



July 19, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 1-22-9-16, 13-9-9-18, 14-9-9-18,  
and 15-9-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 1-22-9-16 is an Exception Location. I have notified our office in Denver and they will send you the Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUL 20 2004

DIV. OF OIL, GAS & MINING

001

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Inland Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 1-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NE 903' FNL 824' FEL 576944X 40.0211' At proposed prod. zone 4430280Y -110.09834		9. API Well No. 43-013-32612
14. Distance in miles and direction from nearest town or post office* Approximatley 18.8 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 417' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 22, T9S R16E
17. Spacing Unit dedicated to this well 40 Acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	12. County or Parish Duchesne
19. Proposed Depth 6500'	20. BLM/BIA Bond No. on file UTU0056	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5740' GL	22. Approximate date work will start* 1st Quarter 2005	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 7/19/04
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 10-18-04
Title ENVIRONMENTAL SCIENTIST III		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

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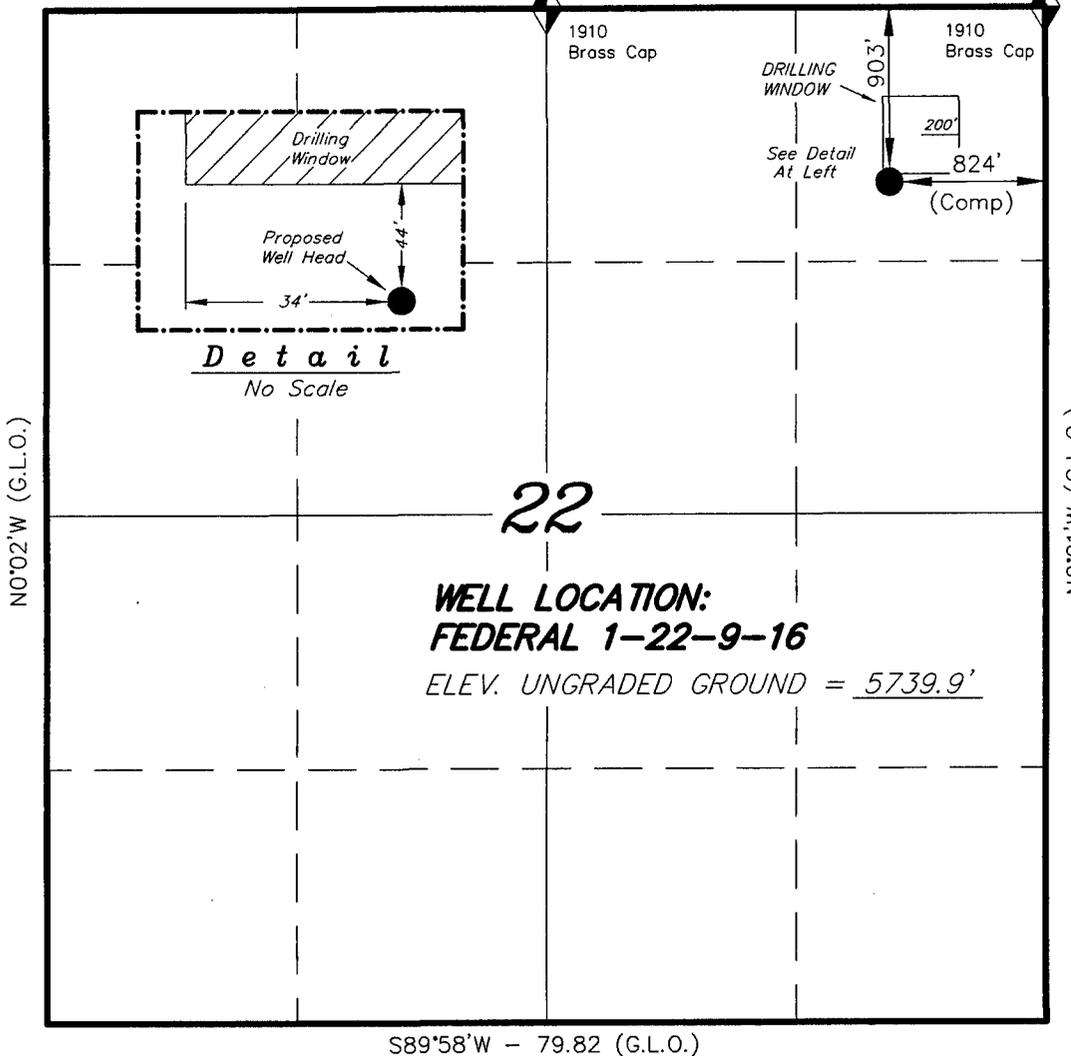
DIV. OF OIL, GAS & MINING

# T9S, R16E, S.L.B.&M.

S89°57'W - 79.76 (G.L.O.)  
 2629.75' (Measured)  
 S89°57'W G.L.O. (Basis of Bearings)

## INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:  
 The Well Location Bears S42°20'07"W  
 1223.00' From the Northeast Corner  
 of Section 22.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
 REG. NO. 189377  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

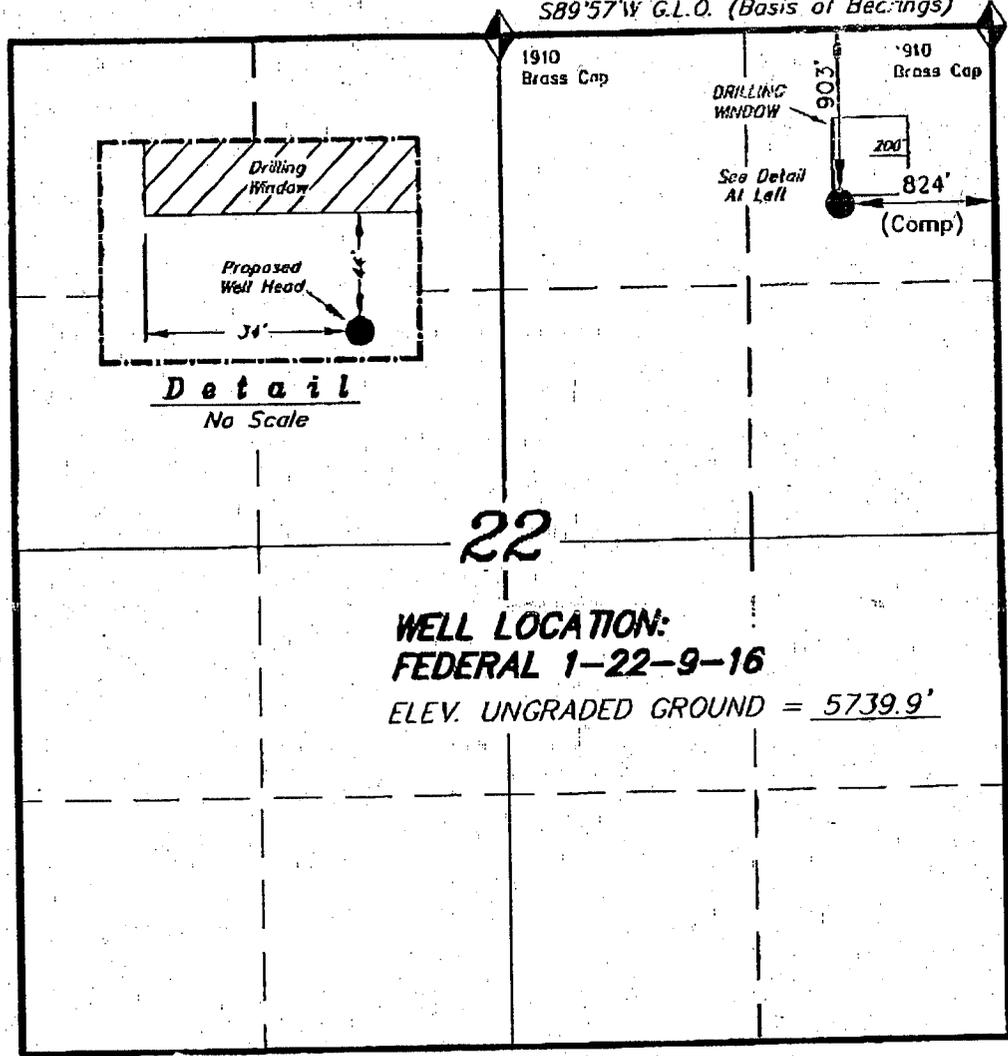
SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3-11-04	DRAWN BY: R.V.C.
NOTES:	FILE #

**T9S, R16E, S.L.B.&M.**

589'57"W - 79.76 (G.L.O.)  
 2629.75' (Measured)  
 589'57"W G.L.O. (Basis of Bearings)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5739.9'

**Note:**  
 The Well Location Bears 542°20'07\"/>



THIS IS TO CERTIFY THAT THE ABOVE LAND WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT IN ALL RESPECTS OF MY KNOWLEDGE AND BELIEF.

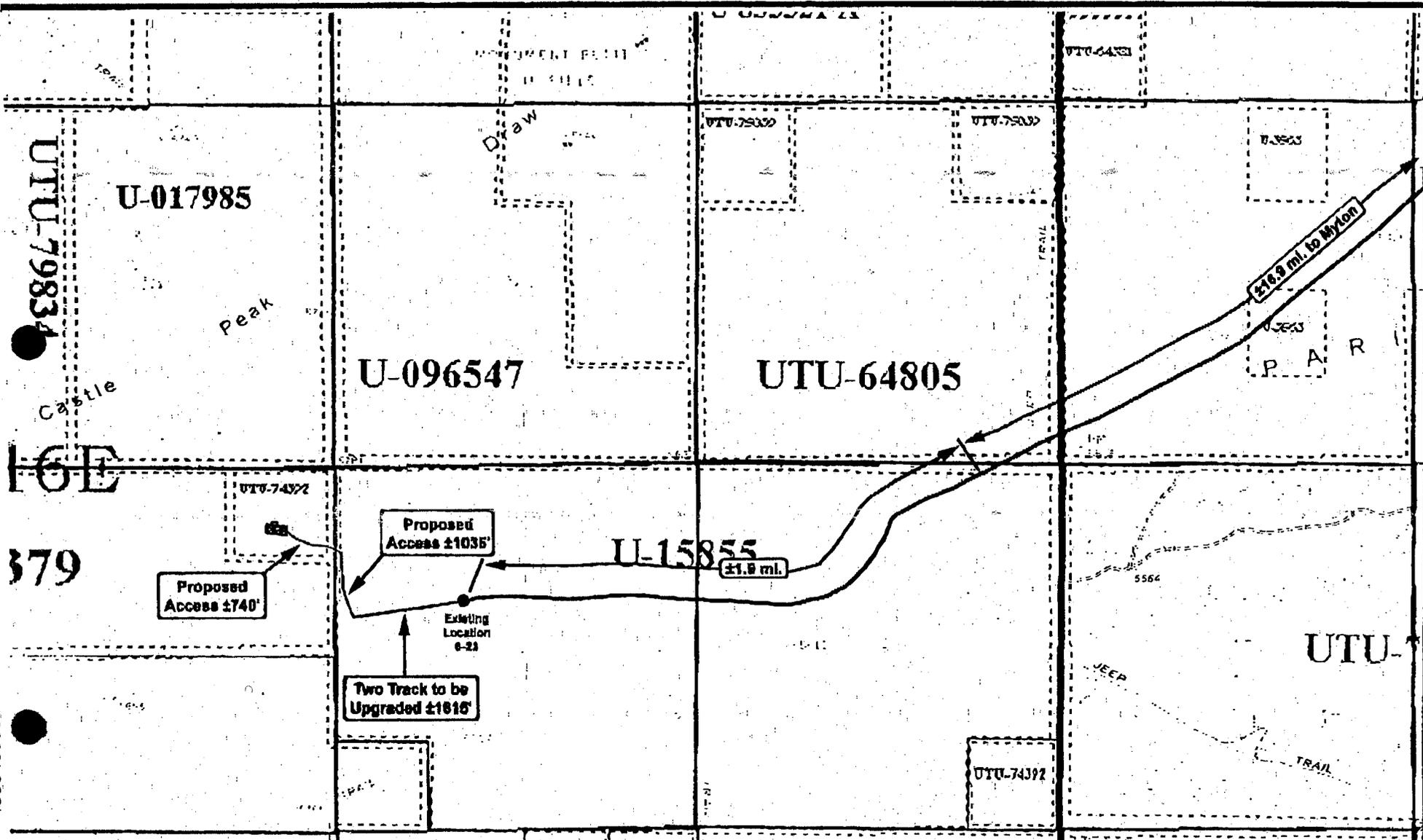
*Stacy W. Stewart*  
**STACY W. STEWART**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3-11-04	DRAWN BY: R.V.C.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

07/19/2004 14:11 43556463031 INLAND PAGE 03



**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
 (436) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 06-24-2004

Legend	
	Existing Road
	Proposed Access
	Access to Upgrade

**"B"**

UTU-1138

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T98-R16E  
Duschene County, Utah

Please be advised that Thomas Lambert does not object to the proposed location on the  
aforementioned well.

By: Thomas J Lambert Date: 9/25/04

THOMAS J. LAMBERT  
Print Name and Title

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Larry R. Simpson does not object to the proposed exception location referenced above.

By:

*Larry R Simpson*  
LARRY R SIMPSON  
Print Name and Title

Date:

*August 21 2004*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Vaughey & Vaughey does not object to the proposed exception location referenced above.

By: *CH Williams*

Date: *9/13/04*

*CH WILLIAMS, JR*  
Print Name and Title  
*ATTORNEY IN FIRM*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duscherne Cty., Utah; Lease UTU-035521

Please be advised that Montana & Wyoming Oil Company does not object to the proposed exception location referenced above.

By: Robert C. Balsam Jr. Date: 8-23-04

Robert C. Balsam Jr. - President  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that John Warne does not object to the proposed exception location referenced above.

By: John R. Warne Date: Sept. 17, 2004  
John R. Warne  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Bonnie Warne does not object to the proposed exception location referenced above.

By: Bonnie Warne Date: Sept. 17'04

Bonnie Warne  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carl Field does not object to the proposed exception location referenced above.

By: *Carl B. Field* Date: 9-22-04  
CARL B. FIELD  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carol Bibler does not object to the proposed exception location referenced above.

By: Carol Bibler Date: 8-27-04  
CAROL BIBLER  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12 T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Leslie Breaux does not object to the proposed exception location referenced above.

By: Leslie Breaux Date: 10/02/04

Leslie Breaux, President WJK Harrington, Inc.  
Print Name and Title

INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	1640'
Wasatch	5865'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to its junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to its junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Inland Production Company requests a 1,615' ROW be granted in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 2,650' ROW in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 2,650' ROW in Lease U-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July

15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Garnders Saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Galleta Grass	<i>Hilaria jamesii</i>	4 lbs/acre
Black Sage Brush	<i>Artemisia nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was on-sited on 11/5/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. The temperature was 30 degrees with ground cover being 50% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham

Address: Route #3 Box 3630  
Myton, UT 84052

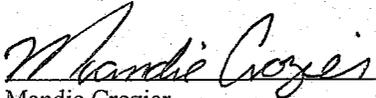
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

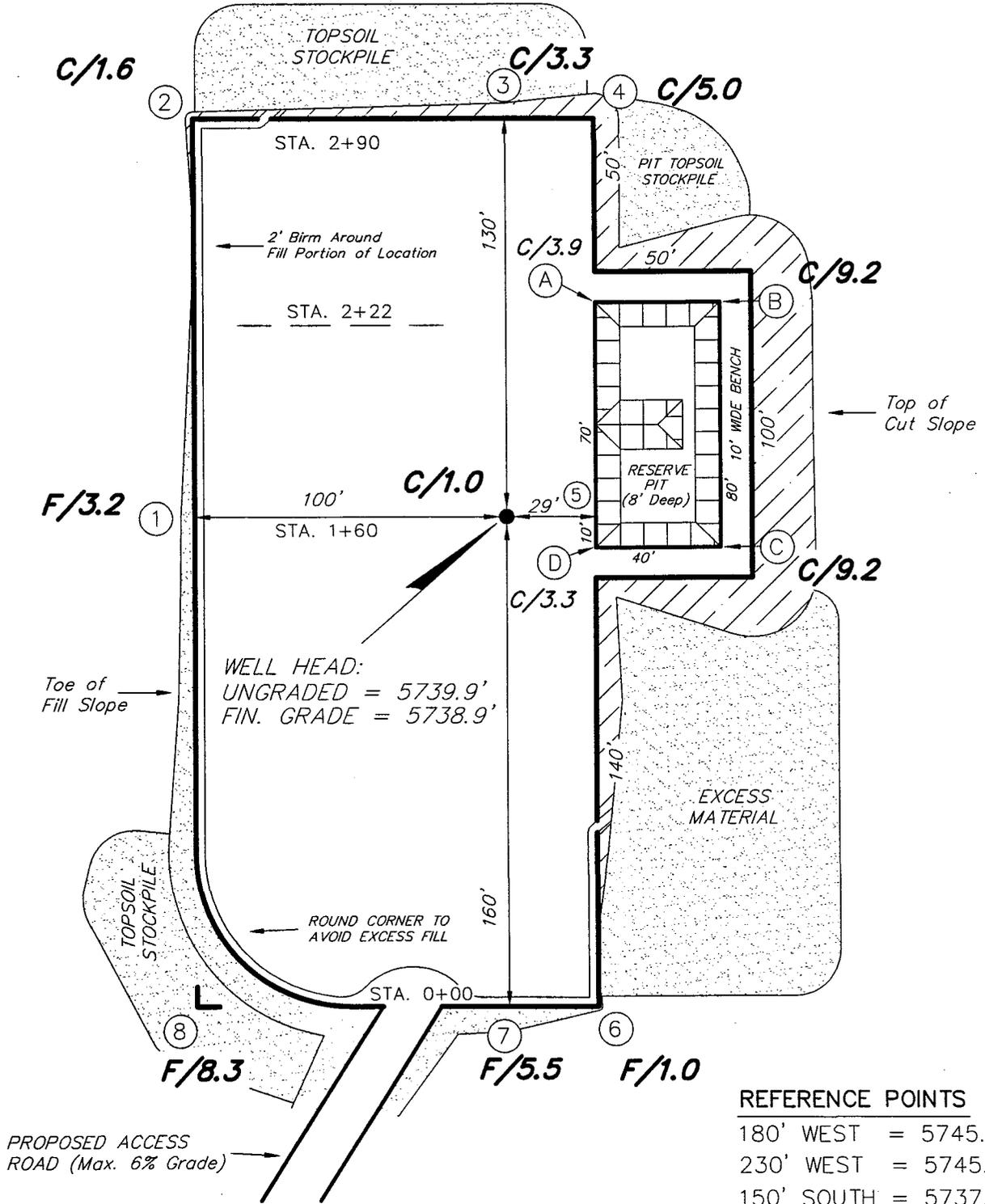
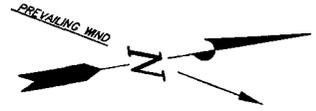
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/19/04  
Date

  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

FEDERAL 1-22-9-16  
SECTION 22, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

180' WEST	= 5745.3'
230' WEST	= 5745.2'
150' SOUTH	= 5737.1'
200' SOUTH	= 5743.2'

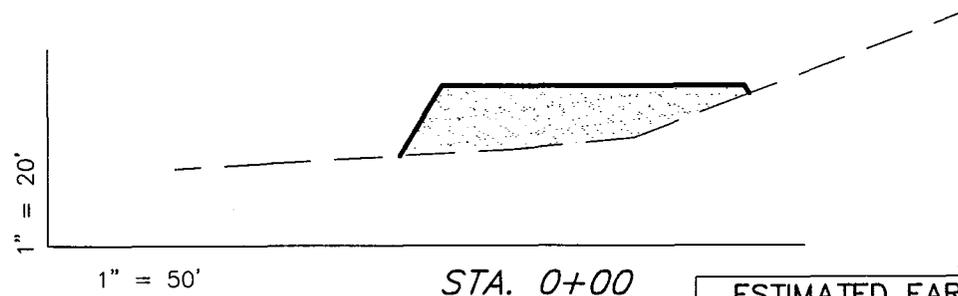
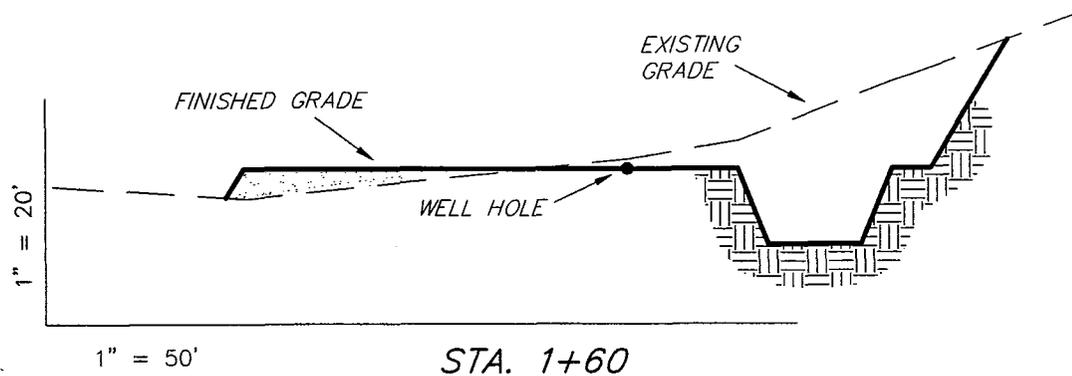
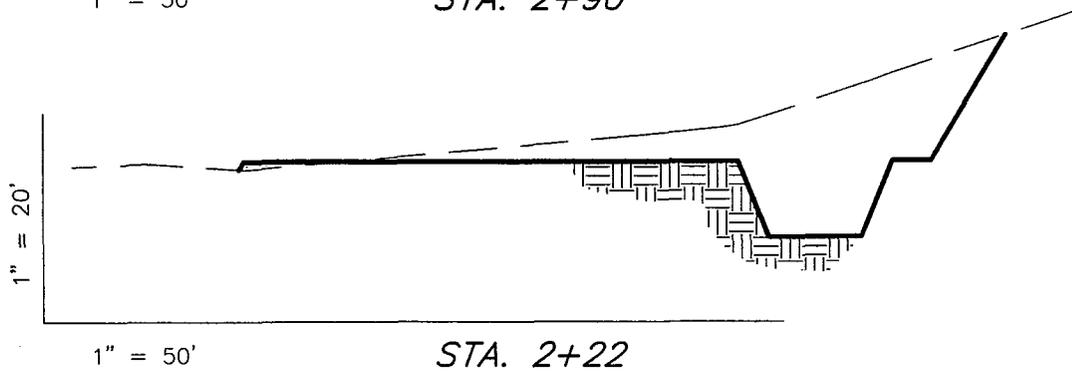
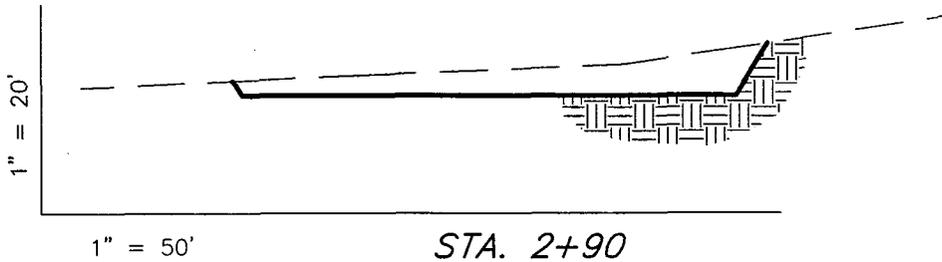
SURVEYED BY: D.J.S.	SCALE: 1" = 50'
DRAWN BY: R.V.C.	DATE: 3-11-04

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,780	2,770	Topsoil is not included in Pad-Cut	10
PIT	640	0		640
TOTALS	3,420	2,770	790	650

NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

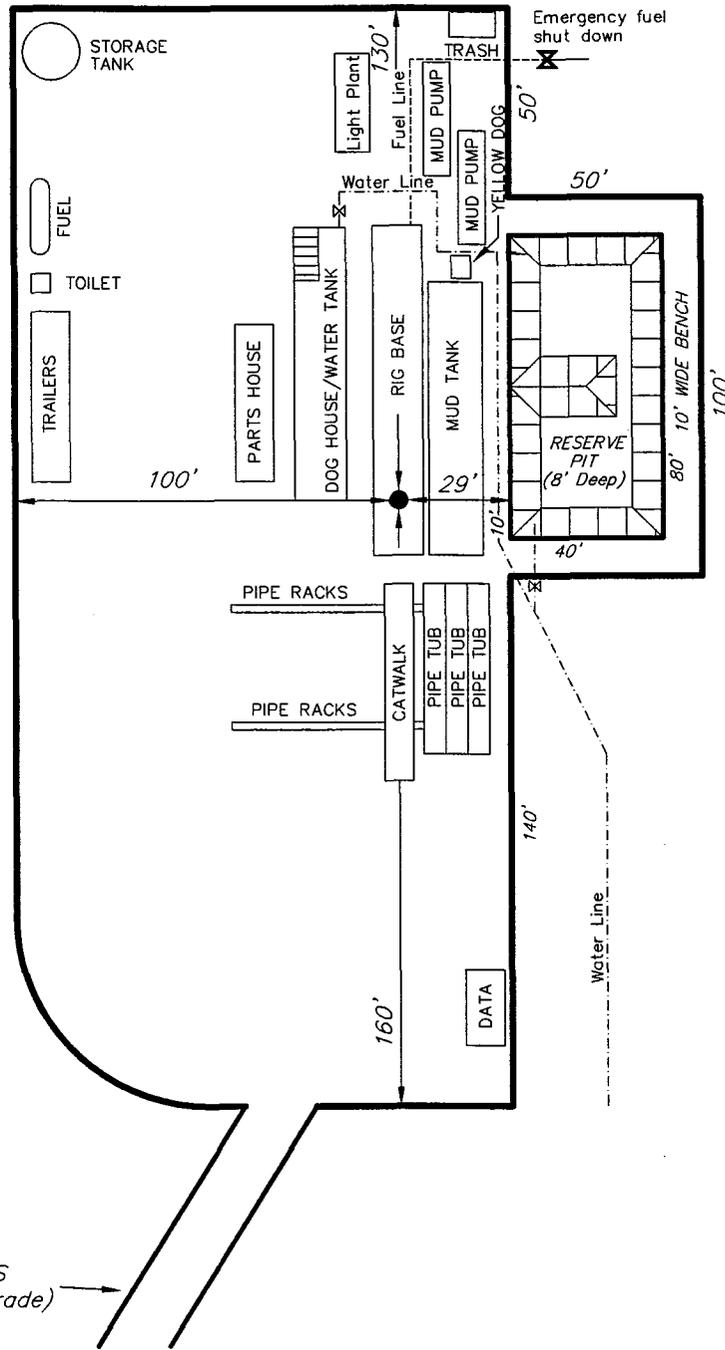
DATE: 3-11-04

Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

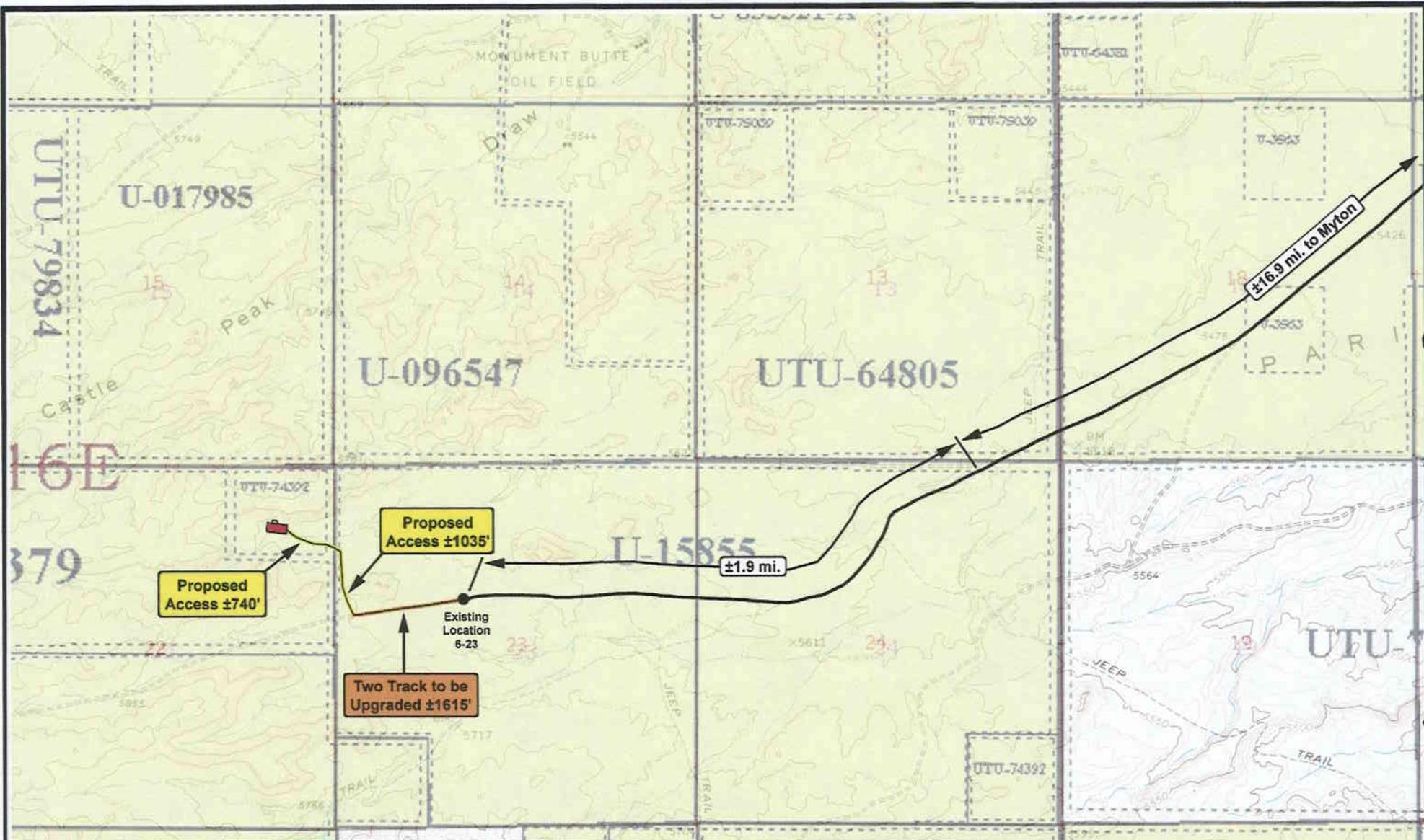
## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	 (435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
DRAWN BY: R.V.C.	DATE: 3-11-04	



**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



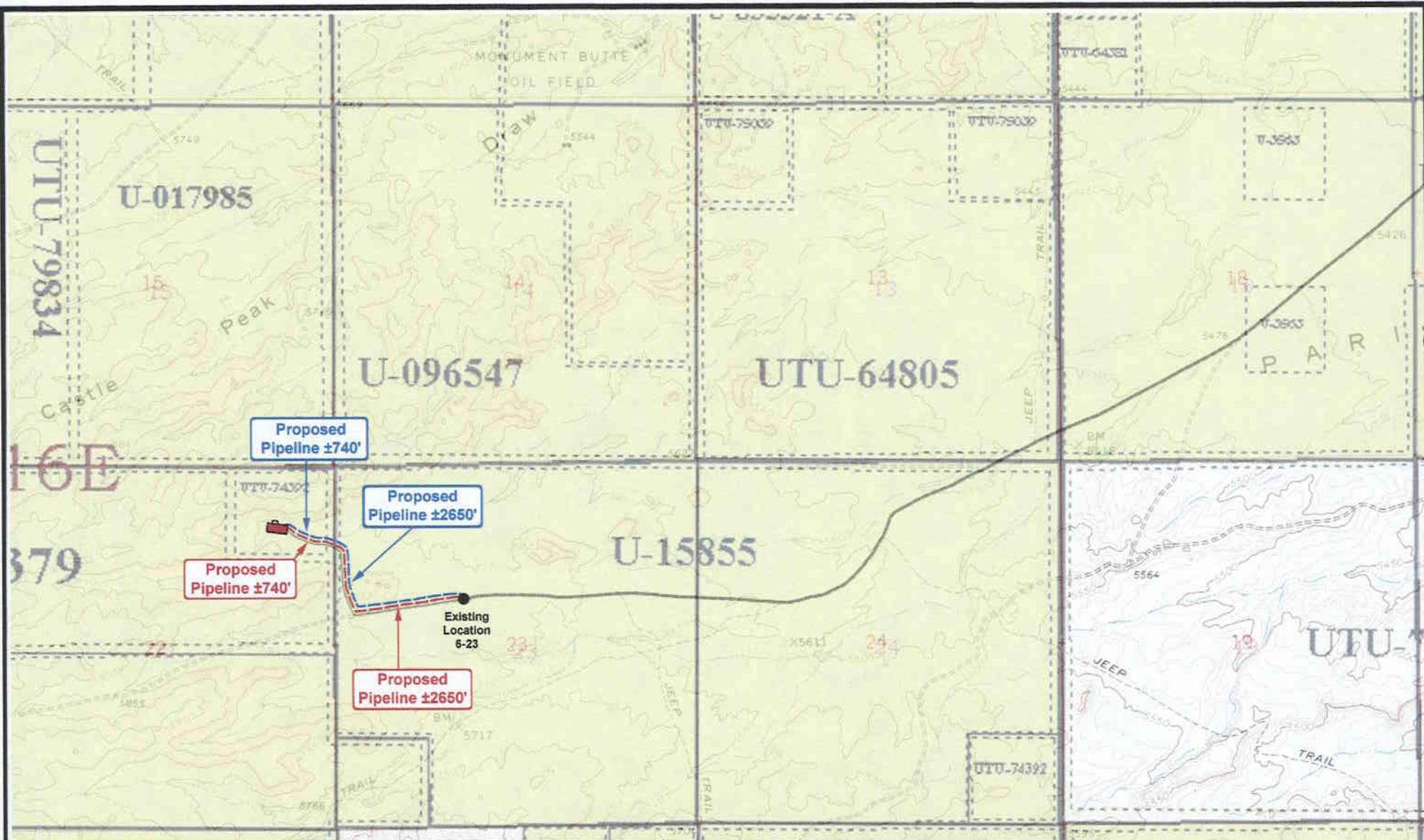
*Tri-State*  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 06-24-2004

Legend	
	Existing Road
	Proposed Access
	Access to Upgrade

**"B"**





**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

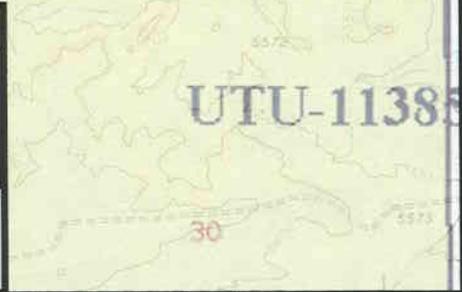


*Tri-State*  
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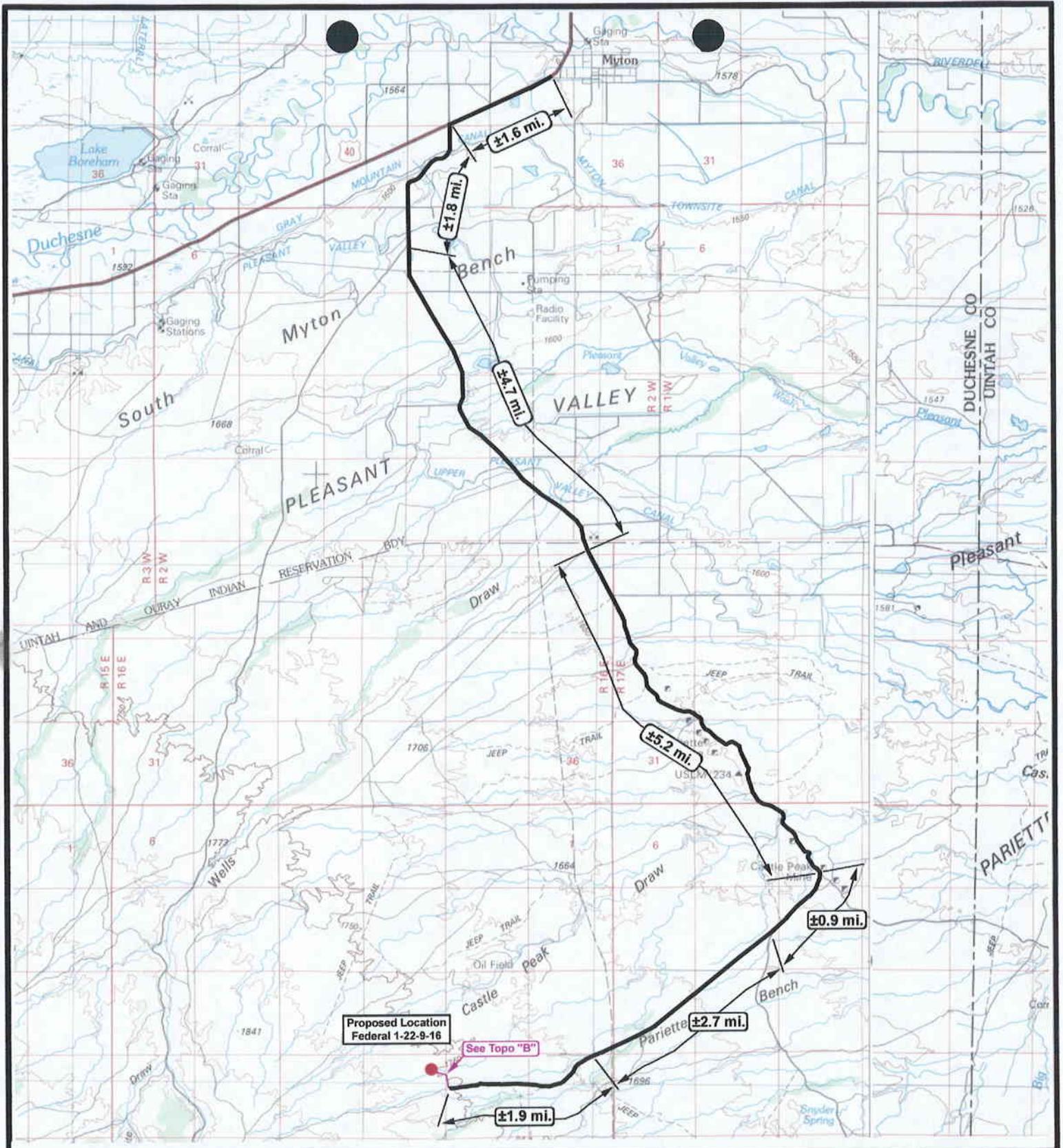
SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 06-24-2004

Legend	
	Existing Road
	Proposed Access
	Proposed Gas Line
	Proposed Water Line

**"C"**







Proposed Location  
Federal 1-22-9-16

See Topo "B"



**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

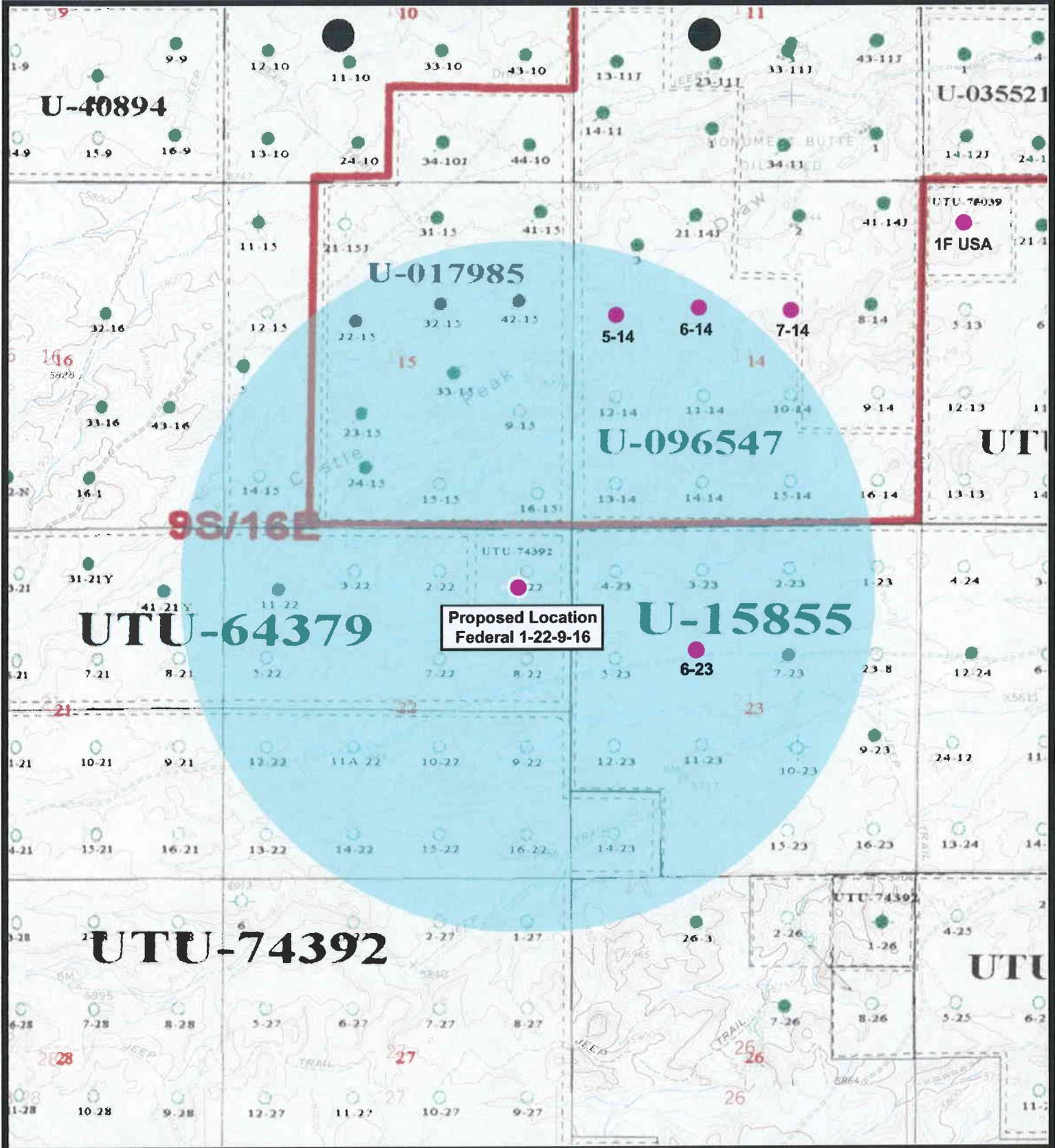
SCALE: 1" = 100,000'  
DRAWN BY: D.J.  
DATE: 11-27-2001

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**



**Proposed Location  
Federal 1-22-9-16**



**Federal 1-22-9-16  
SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 06-24-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

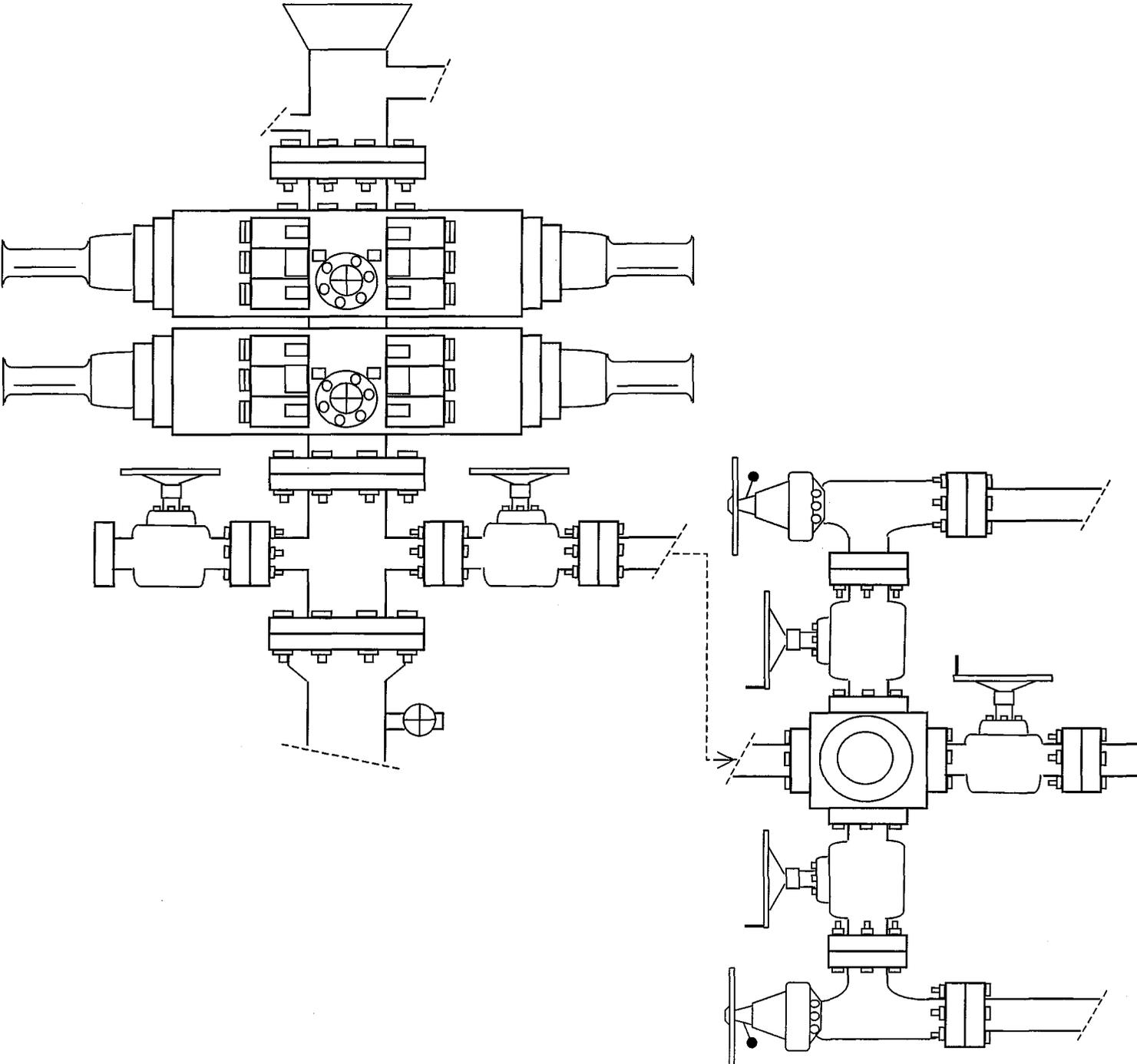


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UINTAH COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW; NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

004

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/20/2004

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 22 090S 160E  
SURFACE: 0903 FNL 0824 FEL  
BOTTOM: 0903 FNL 0824 FEL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-74392  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

LATITUDE: 40.02111  
LONGITUDE: 110.09834

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

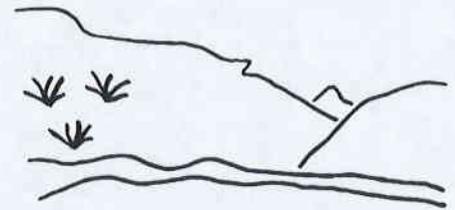
- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: SOP's Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing Str



**OPERATOR: INLAND PRODUCTION CO (N1590)**  
**SEC. 22 T.9S R.16E**  
**FIELD: MONUMENT BUTTE (105)**  
**COUNTY: DUCHESNE**  
**SPACING: R649-3-3 / EXCEPTION LOCATION**



Utah Oil Gas and Mining

- | Wells               | Units.shp    | Fields.shp |
|---------------------|--------------|------------|
| GAS INJECTION       | EXPLORATORY  | ABANDONED  |
| GAS STORAGE         | GAS STORAGE  | ACTIVE     |
| LOCATION ABANDONED  | NF PP OIL    | COMBINED   |
| NEW LOCATION        | NF SECONDARY | INACTIVE   |
| PLUGGED & ABANDONED | PENDING      | PROPOSED   |
| PRODUCING GAS       | PI OIL       | STORAGE    |
| PRODUCING OIL       | PP GAS       | TERMINATED |
| SHUT-IN GAS         | PP GEOTHERML |            |
| SHUT-IN OIL         | PP OIL       |            |
| TEMP. ABANDONED     | SECONDARY    |            |
| TEST WELL           | TERMINATED   |            |
| WATER INJECTION     |              |            |
| WATER SUPPLY        |              |            |
| WATER DISPOSAL      |              |            |



PREPARED BY: DIANA WHITNEY  
 DATE: 20-JULY-2004

**RECEIVED**

OCT 12 2004

**NEWFIELD****MAIL ROOM***2nd request  
10-7-04*

August 18, 2004

Yates Petroleum Corporation  
 Yates Drilling Company  
 Myco Industries, Inc.  
 Abo Petroleum Corporation  
 105 South Fourth Street  
 Artesia, New Mexico 88210-2118

Attn: Bonnie Floore

Re: Exception Locations

Dear Ms. Floore:

Please be advised that Inland Production Company is requesting approval from the Utah Division of Oil, Gas & Mining for the following exception locations:

Fed 12-4-9-18; 340' FWL, 2041' FSL Sec 4-T9S-R18E; the various Yates associates referenced above have ownership in the offsetting lease UTU-65970. The exception location is requested due to an active eagle nest.

Federal 15-31-8-18; 2246' FEL, 668' FSL Sec 31-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74404. The exception location is requested due to active eagle and hawk nests.

Federal 1-22-9-16; 903' FNL, 824' FEL Sec 22-T9S-R16E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74392 and in offsetting lease UTU-64379. The exception location is due to extreme terrain.

Federal 15-12-9-16; 2355' FEL, 427' FSL SWSE Sec 12-T9S-R16E; the various Yates associates referenced above have ownership in the offsetting lease UTU-64805. The exception location is requested due to archeological reasons.

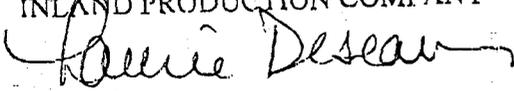
Federal 10-5-9-18; 1875' FSL, 2185' FEL, NWSE Sec 5-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-65970. The exception location is requested due to terrain.

Federal 6-12-9-17; 2014' FNL, 2192' FEL, SENW Sec 12-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-75234. The exception location is due to extreme terrain.

Federal 9-14-9-17; 2210' FSL, 923' FEL, NESE Dec 14-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-64806. The exception location is requested due to an eagle nest.

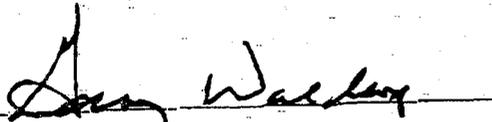
Attached please find the corresponding Application to Drill and survey plat copies to assist you in your review. Upon agreement to these locations, please verify your consent by signing and dating where indicated at the bottom of this facsimile. Please return to my attention as soon as possible using the following Inland fax number: 303-893-0103. If I can provide additional information to assist you in your review please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,  
INLAND PRODUCTION COMPANY



Laurie Deseau  
Properties Administrator

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By: 

Date: 10-12-04

GARY WALDROP-LANDAU  
Print Name and Title



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## NEWFIELD



October 14, 2004

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Location: Federal 1-22-9-16  
903'FNL, 824' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 44' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

Laurie Deseau  
Properties Administrator

RECEIVED

OCT 18 2004

DIV. OF OIL, GAS & MINING



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 18, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 1-22-9-16 Well, 903' FNL, 824' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number Federal 1-22-9-16  
API Number: 43-013-32612  
Lease: UTU-74392

Location: NE NE                      Sec. 22                      T. 9 South                      R. 16 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

#### 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**012**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:		<b>9/1/2004</b>
<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

**CA No. Unit:**

**WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 15-34-8-17	34	080S	170E	4301332628		Federal	OW	APD	K
FEDERAL 14-34-8-17	34	080S	170E	4301332629		Federal	OW	APD	K
FEDERAL 13-34-8-17	34	080S	170E	4301332630		Federal	OW	APD	K
FEDERAL 12-34-8-17	34	080S	170E	4301332631		Federal	OW	APD	K
FEDERAL 16-13-9-16	13	090S	160E	4301332647		Federal	OW	APD	K
FEDERAL 15-13-9-16	13	090S	160E	4301332648		Federal	OW	APD	K
FEDERAL 14-13-9-16	13	090S	160E	4301332649		Federal	OW	APD	K
FEDERAL 13-13-9-16	13	090S	160E	4301332650		Federal	OW	NEW	K
FEDERAL 12-13-9-16	13	090S	160E	4301332651		Federal	OW	APD	K
FEDERAL 11-13-9-16	13	090S	160E	4301332652		Federal	OW	APD	K
FEDERAL 10-13-9-16	13	090S	160E	4301332653		Federal	OW	APD	K
FEDERAL 9-13-9-16	13	090S	160E	4301332654		Federal	OW	APD	K
FEDERAL 8-13-9-16	13	090S	160E	4301332655		Federal	OW	APD	K
FEDERAL 7-13-9-16	13	090S	160E	4301332656		Federal	OW	APD	K
FEDERAL 11-20-9-16	20	090S	160E	4301332598		Federal	OW	APD	K
FEDERAL 1-22-9-16	22	090S	160E	4301332612		Federal	OW	NEW	K
FEDERAL 9-10-9-17	10	090S	170E	4301332502	14325	Federal	OW	DRL	K
FEDERAL 13-11-9-17	11	090S	170E	4301332510	14273	Federal	OW	P	K
FEDERAL 12-11-9-17	11	090S	170E	4301332544		Federal	OW	APD	K
FEDERAL 1-15-9-17	15	090S	170E	4301332596		Federal	OW	APD	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

- Changes entered in the Oil and Gas Database on: 2/28/2005
- Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
- Bond information entered in RBDMS on: 2/28/2005
- Fee/State wells attached to bond in RBDMS on: 2/28/2005
- Injection Projects to new operator in RBDMS on: 2/28/2005
- Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

- (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
- The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

008

NEWFIELD



February 18, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED  
FEB 23 2005  
DIV. OF OIL, GAS & MINING

RE: Amended Applications for Permit to Drill: Federal 11-20-9-16, 1-22-9-16, 2-25-9-17, and 3-14-9-18.

Dear Diana:

Enclosed find the amended APD's on the above mentioned locations. These proposed locations were originally permitted as Oil Wells. It is proposed that they now be drilled as Deep Gas Wells. The well location footages have all changed due to the fact that the well pads will have to be made larger to accommodate the drilling rig required to drill these proposed well. The 10 Point Drilling Program and 13 Point Surface and Operations Plan have been amended as well. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

A handwritten signature in black ink that reads "Mandie Crozier". The signature is written in a cursive, flowing style.

Mandie Crozier  
Regulatory Specialist

enclosures

RECEIVED

FEB 23 2005

Form 3160-3  
(September 2001)

**AMENDED**

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

UNITED STATES DIV. OF OIL, GAS & MINING  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 1-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NE 887' FNL 963' FEL 576903X 40.02113 At proposed prod. zone 4430279Y -110,098827		9. API Well No. 43-013-32612
14. Distance in miles and direction from nearest town or post office* Approximately 18.8 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' #/lse, NA #/unit		11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 22, T9S R16E
16. No. of Acres in lease 2080.00	17. Spacing Unit dedicated to this well 40 Acres	12. County or Parish Duchesne
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 13,970'	13. State UT
20. BLM/BIA Bond No. on file UTU0056	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5742' GL	22. Approximate date work will start* 2nd Quarter 2005
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/18/05
Title Regulatory Specialist	Approved by (Signature) <i>Bradley G. Hill</i>	
	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III	Date 03-02-05
Title	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

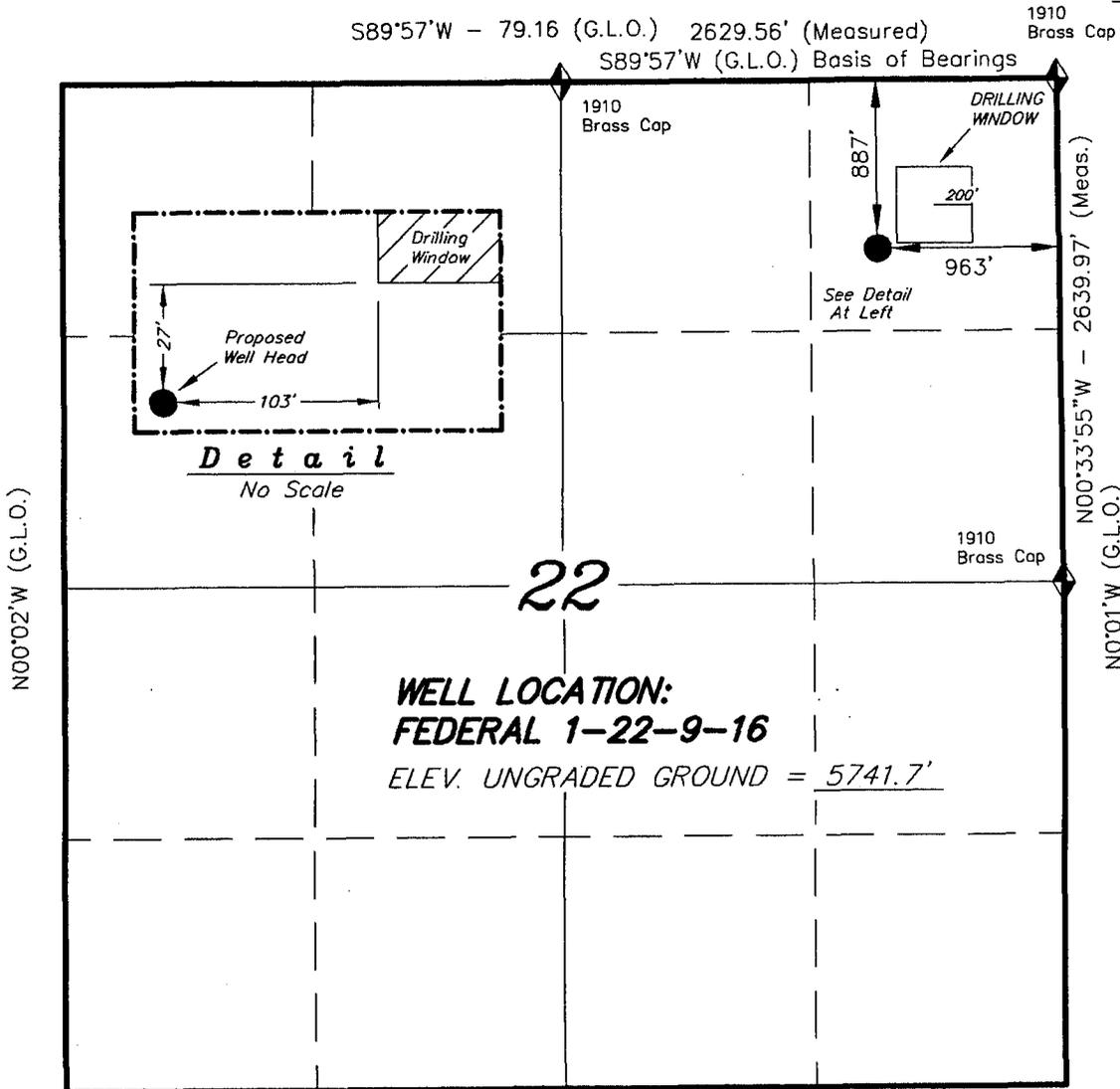
**Federal Approval of this  
Action is Necessary**

# T9S, R16E, S.L.B.&M.

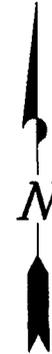
## NEWFIELD PRODUCTION COMPANY

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured) 1910 Brass Cap  
 S89°57'W (G.L.O.) Basis of Bearings

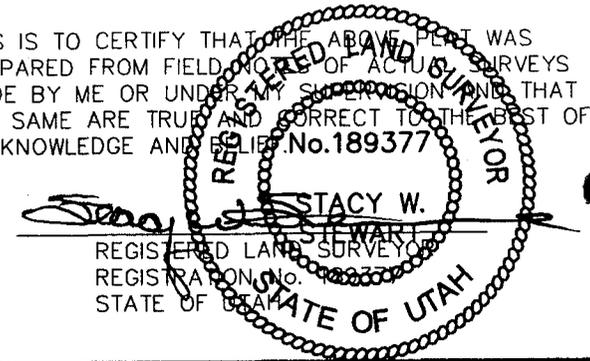
WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5741.7'



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 12-29-04

DRAWN BY: F.T.M.

NOTES:

FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

Form 2160-2  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-7439Z	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 1422-0-16	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface: NENE 837' FNL 963' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Rule NENE Sec. 22, T8S R16E	
14. Distance in miles and direction from nearest town or post office? Approximately 16.8 miles southwest of Myton, Utah		12. County or Parish Duchesne	13. State UT
15. Distance from proposed location to adjacent property or lease line, ft. (Also to nearest dirg. unit line, if any) Approx. 450' (see NA sheet)	16. No. of Acres in lease 2080.00	17. Spacing Unit declared to this well 40 Acres	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 13,970'	20. BLM/BIA Bond No. on file UTU0056	
21. Elevations (Show whether Dr., KDB, RT., GL, etc.) 5742' GL	22. Approximate date work will start 2nd Quarter 2005	23. Estimated duration Approximately 60 days (2 days from start to 1st return)	

24. Attachments

The following, completed in accordance with the requirements of Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Land, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/18/05
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approved does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

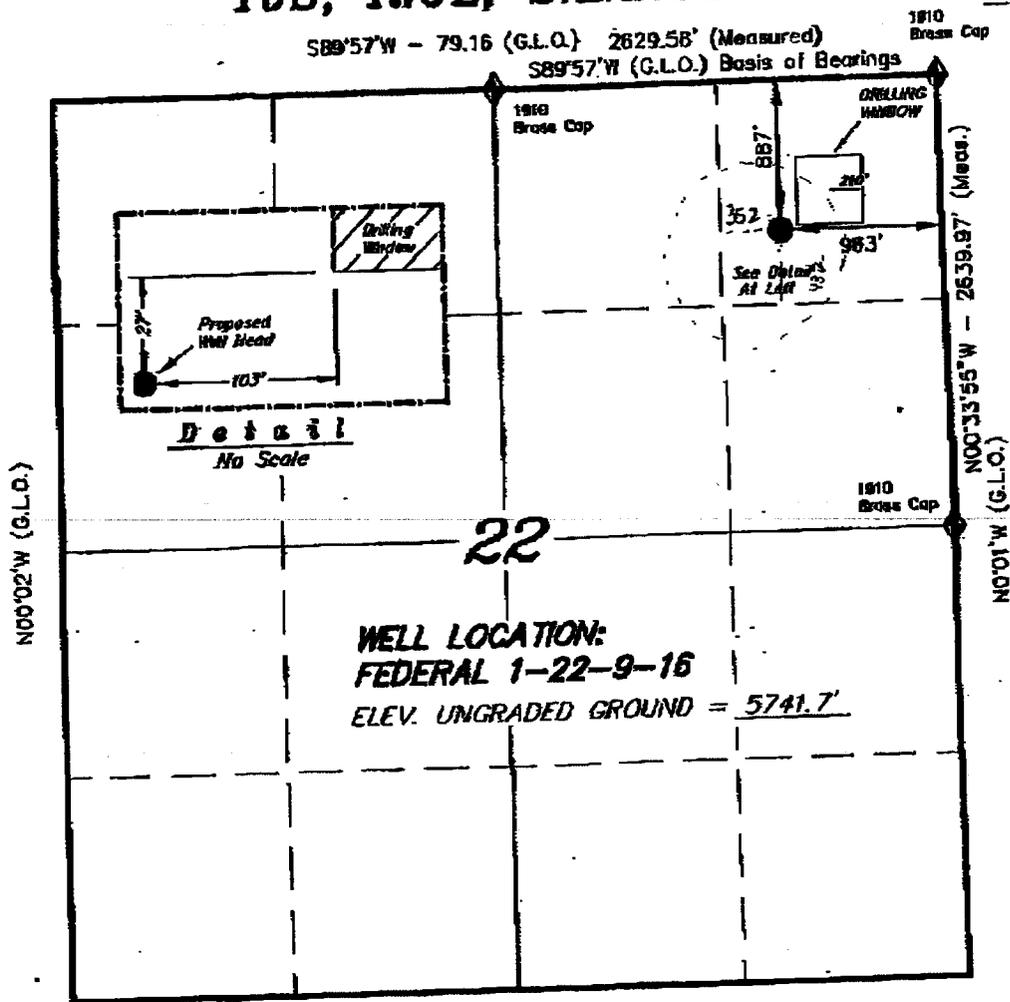
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

# T9S, R16E, S.L.B.&M.

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
 S89°57'W (G.L.O.) Basis of Bearings



S89°58'W - 79.82 (G.L.O.)

◆ = SECTION CORNERS LOCATED

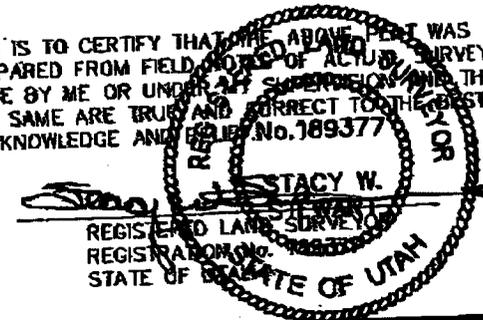
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

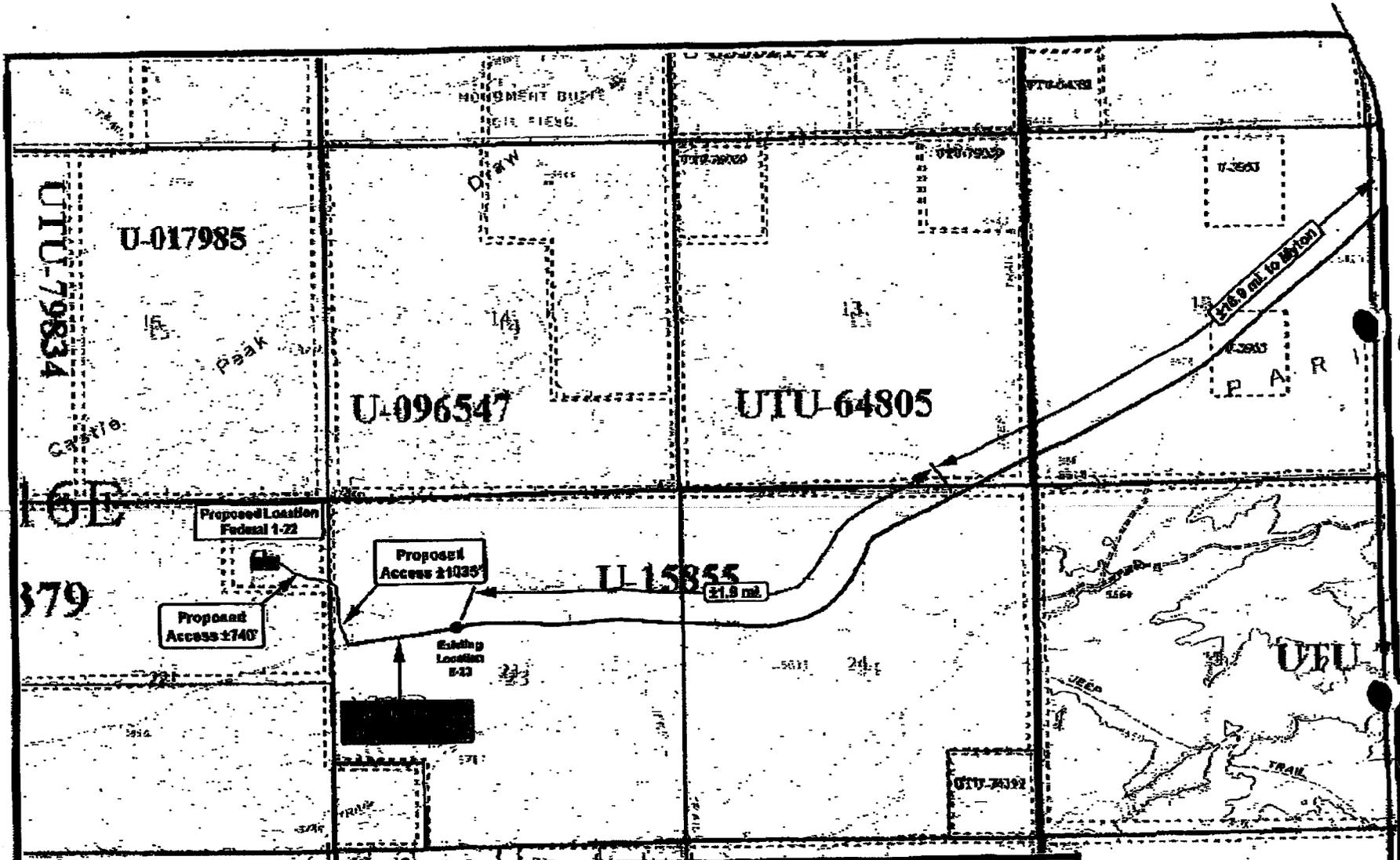


THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD BOOKS OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 12-29-04	DRAWN BY: F.T.M.
NOTES:	FILE #



  
**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

  
**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
100 North Vesel Ave. Vernal, Utah 84078  
SCALE: 1" = 2,000'  
DRAWN BY: IDW  
DATE: 12-29-2004

**Legend**

-  Existing Road
-  Proposed Access
-  Access to Upgrade

**"B"**

UTU-1138

NEWFIELD PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 2450'
Green River	2450'
Wasatch	5950'
Mesaverde	10540'
Castlegate	12965'
Blackhawk	13515'
Mancos	13970'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation (Oil)	2450' - 5950'
Wasatch/Mesaverde/Castlegate/Blackhawk/Mancos Formation (Gas)	5950' - TD

4. PROPOSED CASING PROGRAM

Please refer to the River Bend Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the River Bend Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the River Bend Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the River Bend Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the River Bend Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

Possible abnormal temperatures and/or pressures are anticipated in the lower Mesaverde and Mancos Formations. Please refer to the River Bend Field SOP for pressure control measures.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the River Bend Field SOP.

NEWFIELD PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles ± to it's junction with an existing road to the southwest; proceed southwesterly - 5.5 miles ± to the existing 6-23-9-16 location; proceed westerly - 1,615' ± along an existing two track road to be upgraded to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775' ± to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the River Bend Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the River Bend Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the River Bend Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the River Bend Field SOP.

8. ANCILLARY FACILITIES

Please refer to the River Bend Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the River Bend Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Newfield Production Company requests a 2650' ROW be granted in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 200' ROW in Lease UTU-72106, a 550' ROW in Lease UTU-64805, a 11,180' ROW in Lease UTU-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, a 2" poly fuel gas line, and a 10" steel gas line. The proposed pipeline will tie in to the existing Questar CP tap approximately 2.5 miles away in the SE 1/4 SE 1/4 Section 13, T9S, R16E. The proposed pipeline will follow existing developed roads or existing two track roads. In the areas that two tracks are followed, crews will set up on existing well pads for welding and a dozer will drag pipe across. There will be no surface disturbance and there will not be any road upgrades. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

Newfield Production Company requests a 2,650' ROW in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed

between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered.. Please refer to the River Bend Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the River Bend Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Garnders Saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Galleta Grass	<i>Hilaria jamesii</i>	4 lbs/acre
Black Sage Brush	<i>Artemisia nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was originally on-sited on 11/5/03. It was then on-sited again on 12/23/04 to amend the originally submitted APD. The following were present; Brad Mecham (Newfield Production) and Byron Tolman (Bureau of Land Management).

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

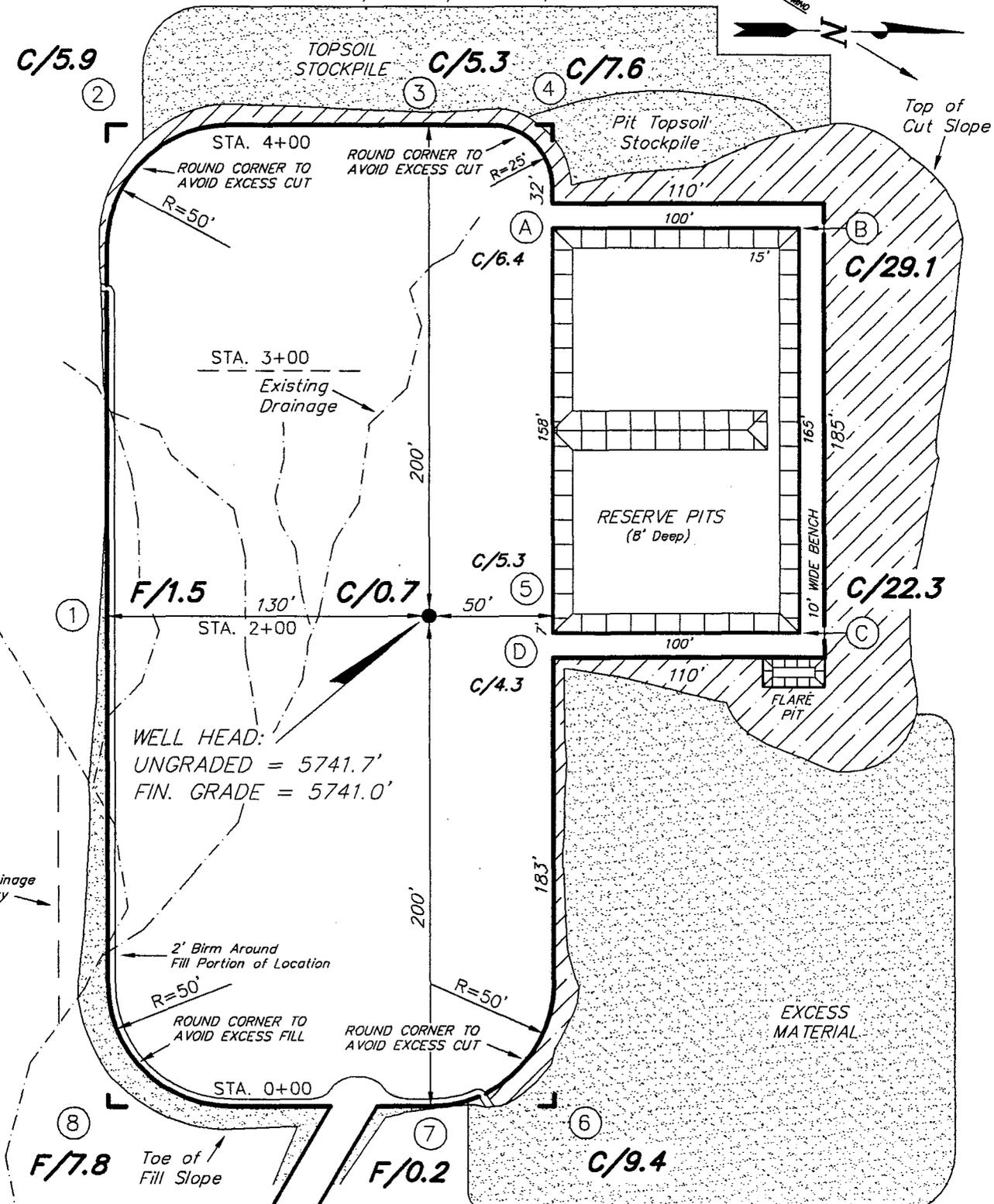
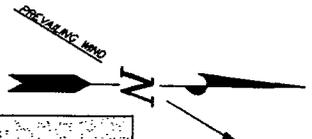
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/18/05  
Date

  
Mandie Crozier  
Regulatory Specialist

# NEWFIELD PRODUCTION COMPANY

FEDERAL 1-22-9-16  
SECTION 22, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5741.7'  
FIN. GRADE = 5741.0'

REFERENCE POINTS  
250' WESTERLY = 5748.4'  
300' WESTERLY = 5750.2'

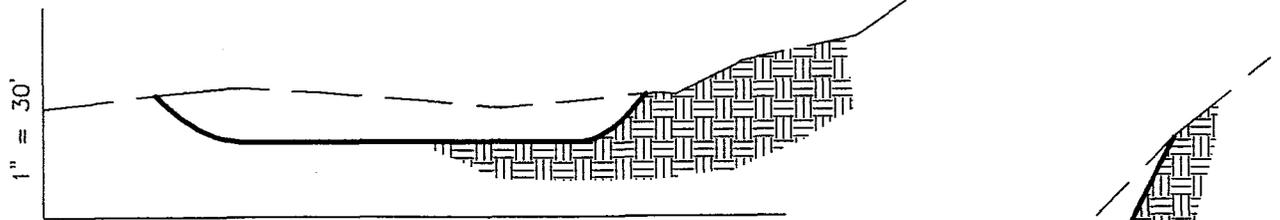
SURVEYED BY: C.M.	SCALE: 1" = 60'
DRAWN BY: F.T.M.	DATE: 12-29-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

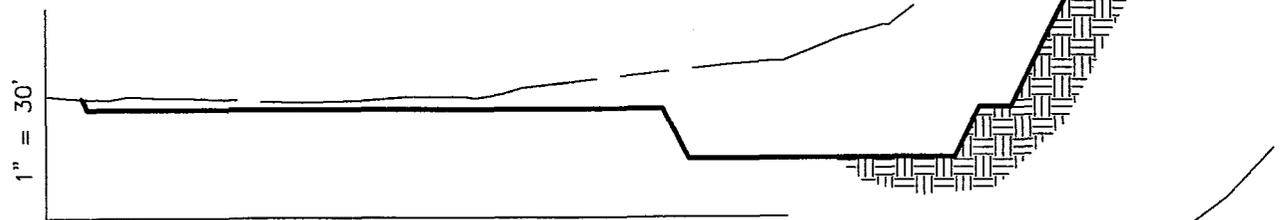
## CROSS SECTIONS

FEDERAL 1-22-9-16



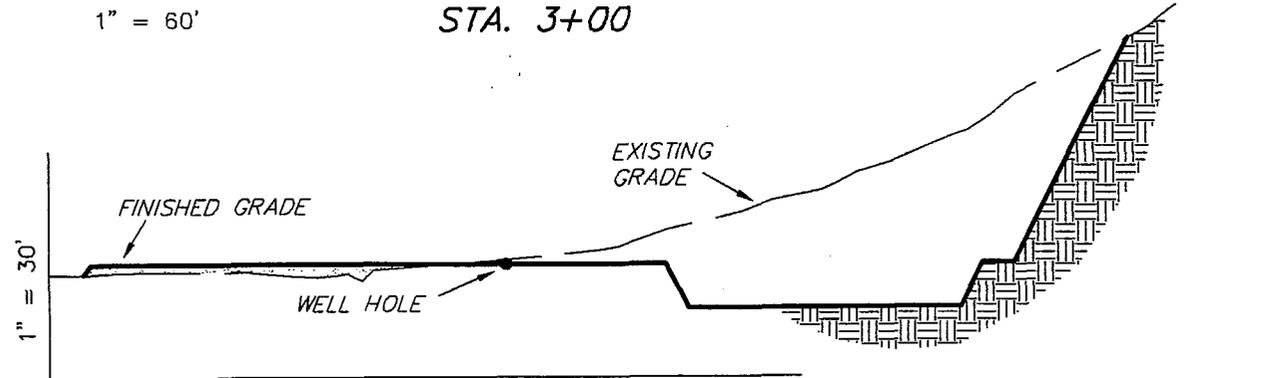
1" = 60'

STA. 4+00



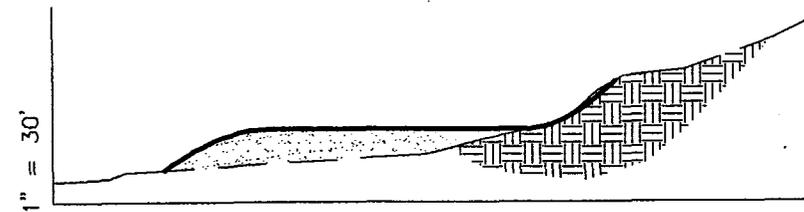
1" = 60'

STA. 3+00



1" = 60'

STA. 2+00



1" = 60'

STA. 0+00

NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	20,910	4,070	Topsoil is not included in Pad Cut	16,840
PIT	4,090	0		4,090
TOTALS	25,000	4,070	2070	20,930

SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

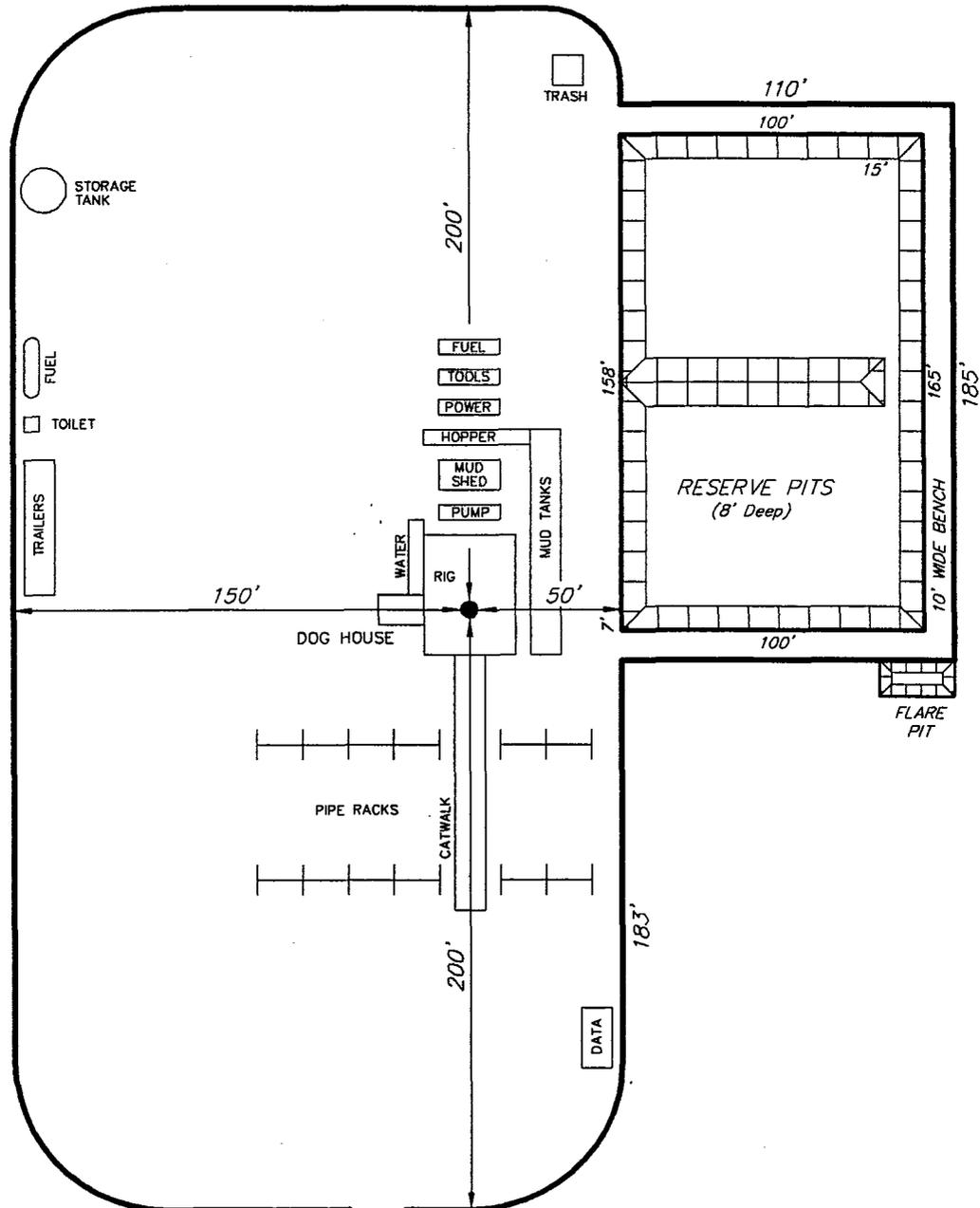
DATE: 12-29-04

Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



PROPOSED ACCESS ROAD (Max. 6% Grade)

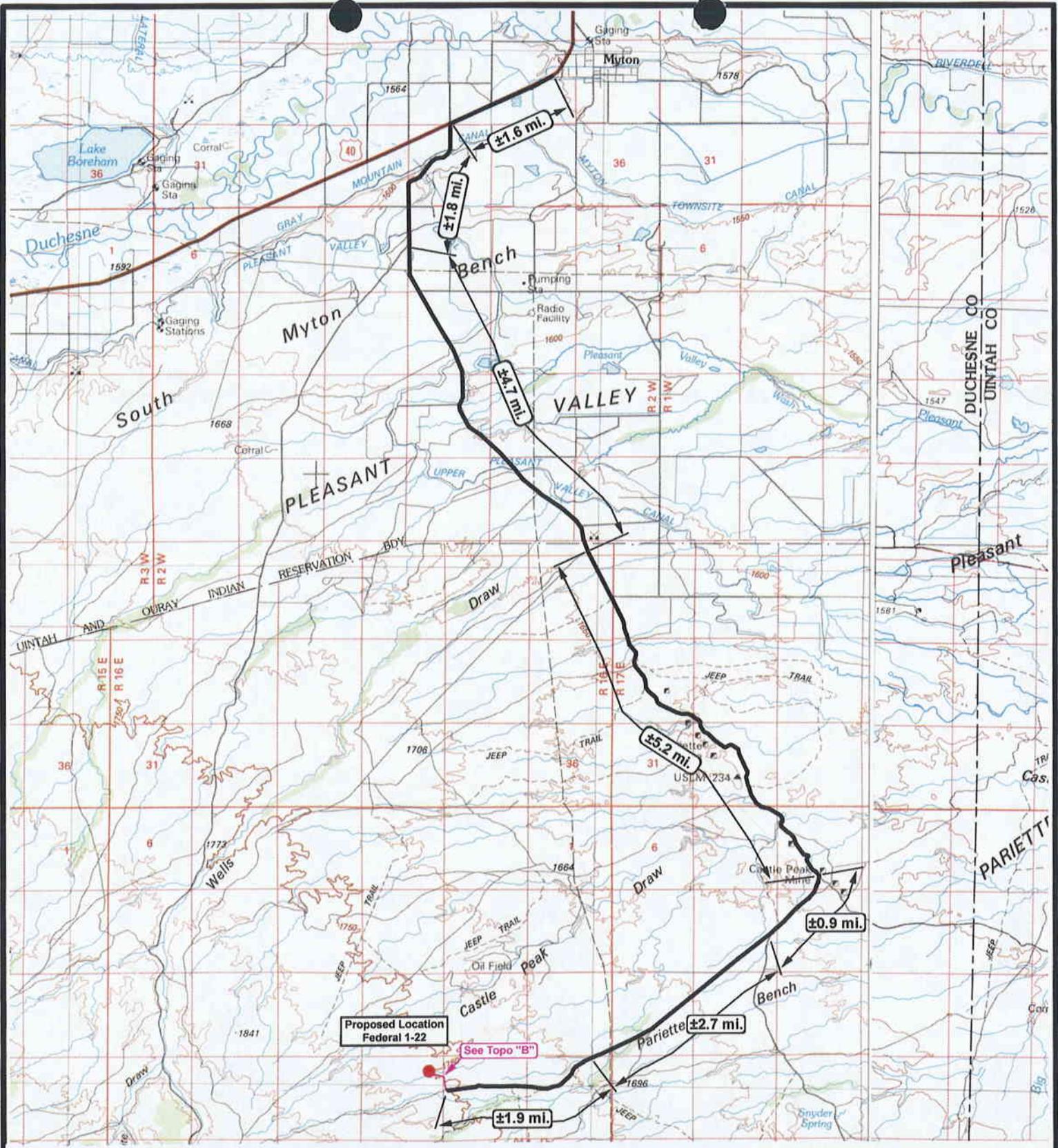
SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

DATE: 12-29-04

Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



 **NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



  
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

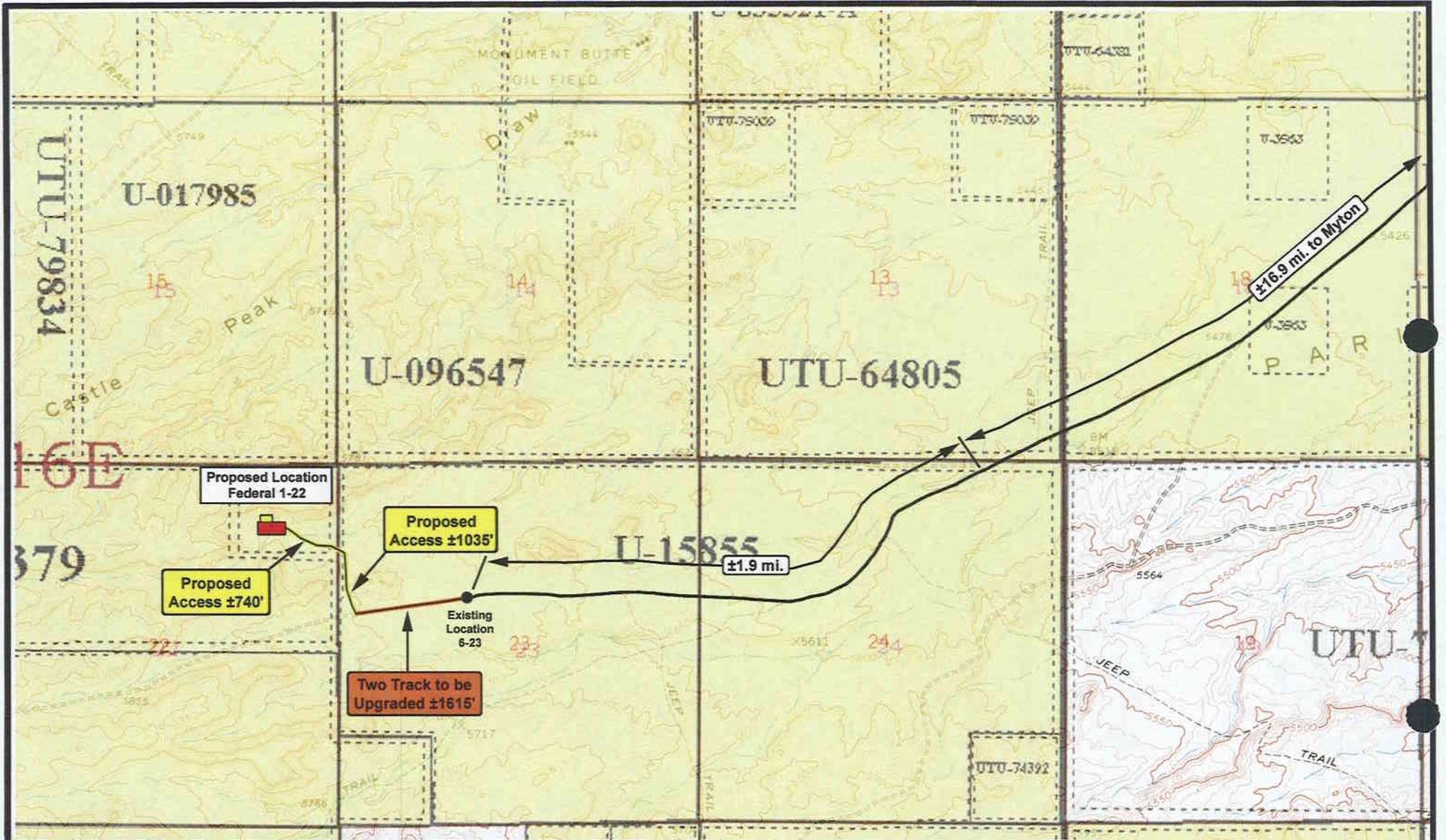
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DRAWN BY: mw  
DATE: 12-29-2004

**Legend**

-  Existing Road
-  Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

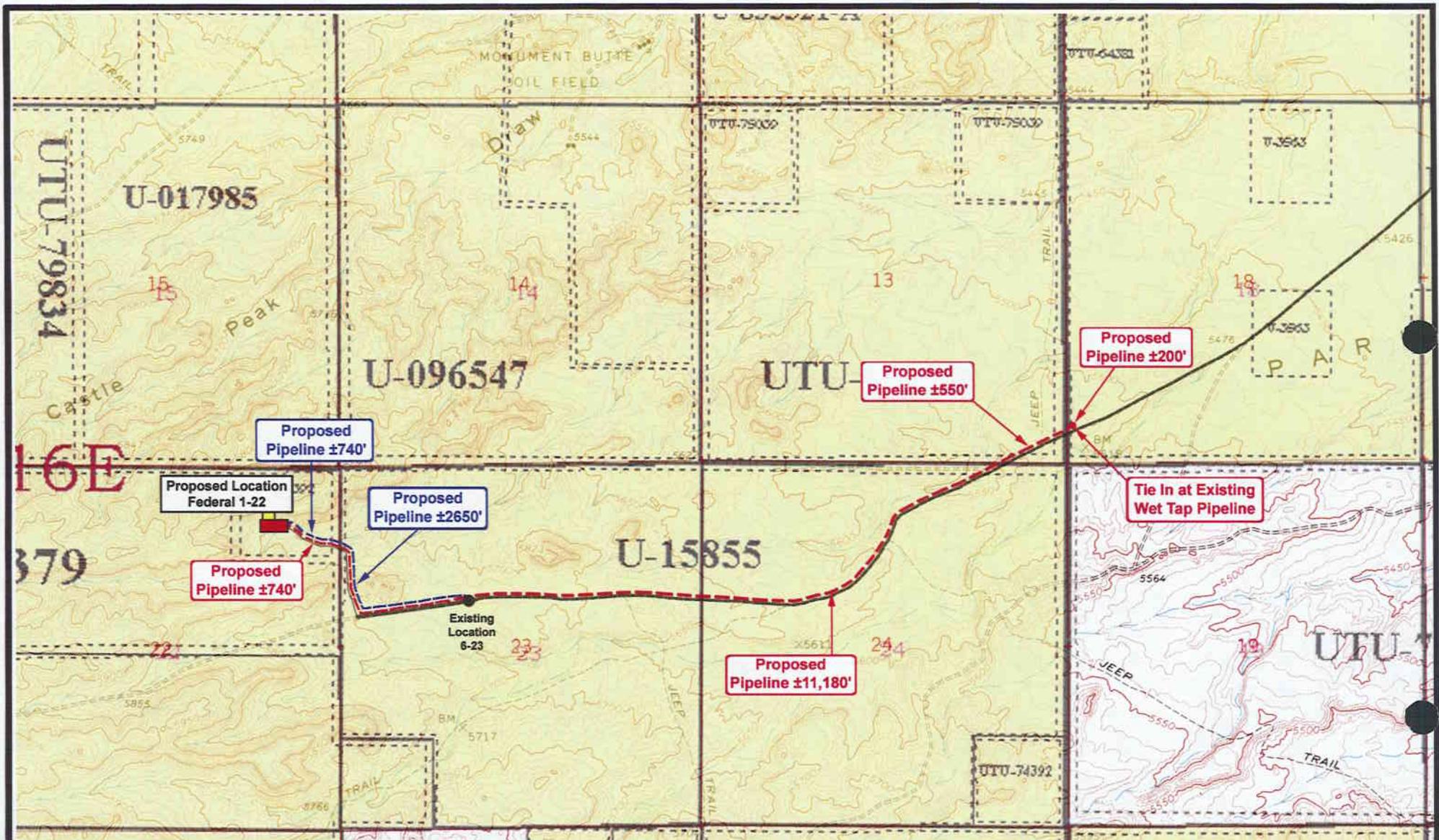
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-29-2004

Legend	
	Existing Road
	Proposed Access
	Access to Upgrade

**"B"**

UTU-11385

30



**NEWFIELD**  
Exploration Company



*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

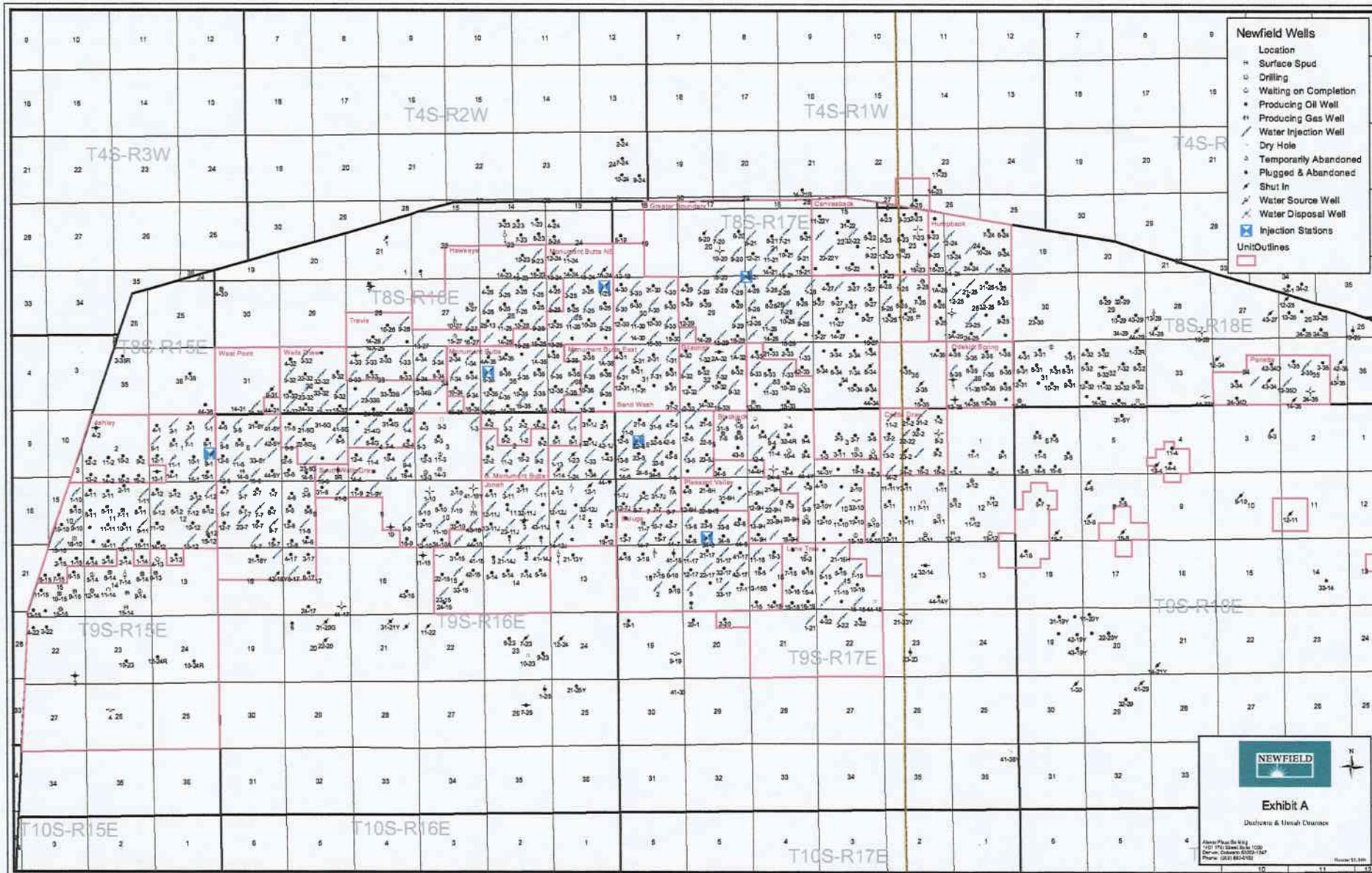
DATE: 02-04-2005

Legend	
	Existing Road
	Proposed Access
	Proposed Gas Line
	Proposed Water Line

"C"

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

UTU-11385

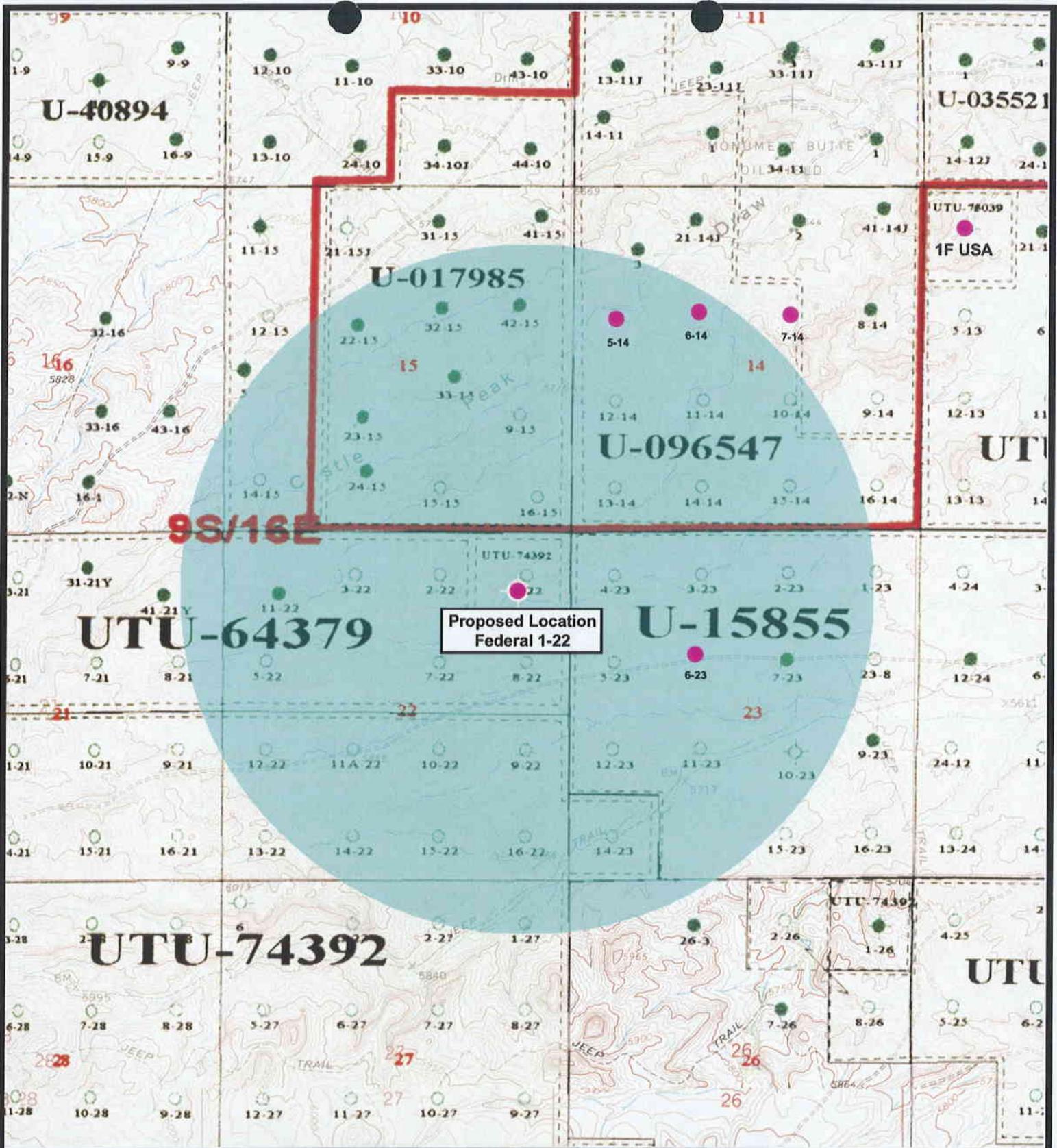


**Exhibit A**

Districts & Unsat Counts

Alton Plant 26 411  
 1701 1712 1723 1734 1745  
 Districts: 0000-1000  
 Phone: (361) 861-4121

Scale: 1:50,000



Proposed Location  
Federal 1-22



**NEWFIELD**  
Exploration Company

---

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**




**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

---

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-29-2004

**Legend**

- Well Locations
- One-Mile Radius

---

**Exhibit "B"**



CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UTAH COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW, NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

009

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/23/2005

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

**AMENDED**

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 22 090S 160E  
SURFACE: 0887 FNL 0963 FEL  
BOTTOM: 0887 FNL 0963 FEL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCS

COALBED METHANE WELL? NO

LATITUDE: 40.02111

LONGITUDE: -110.0988

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

*See Separate File*

STIPULATIONS:

*1- Federal Approval  
2- Spacing Strip*



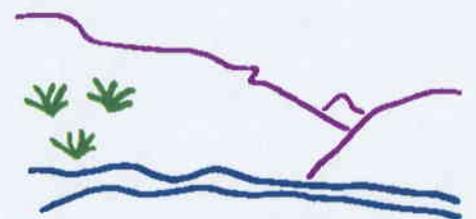
OPERATOR- NEWFIELD PROD CO (N2695)

SEC. 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

**Wells**

- ⊕ GAS INJECTION
- GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- ⊕ PRODUCING GAS
- PRODUCING OIL
- ⊕ SHUT-IN GAS
- ⊕ SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ⊕ WATER DISPOSAL

**Units.shp**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields.shp**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 24-FEBRUARY-2005

007

## NEWFIELD



March 1, 2005

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Descau  
Properties Administrator



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 2, 2005  
Amended

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 1-22-9-16 Well, 887' FNL, 963' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company

Well Name & Number Federal 1-22-9-16

API Number: 43-013-32612

Lease: UTU-74392

Location: NE NE                      Sec. 22                      T. 9 South                      R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

NEWFIELD



43.013.32612  
 9S, 16E, 22

RECEIVED  
 MAR 04 2005  
 DIV. OF OIL, GAS & MINING

March 1, 2005

Utah Division of Oil, Gas & Mining  
 P.O. Box 145801  
 Attn: Diana Whitney  
 Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
 887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
 Duchene County, Utah; Lease U-74392

Dear Ms. Whitney:

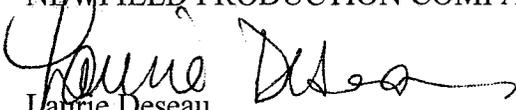
Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
 NEWFIELD PRODUCTION COMPANY

  
 Laurie Deseau  
 Properties Administrator

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1804-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-74392  
6. If Indian, Allottee or Tribe Name  
N/A  
7. If Unit or CA Agreement, Name and No.  
N/A  
8. Lease Name and Well No.  
Federal 1-22-9-16  
9. API Well No.

1a. Type of Work:  DRILL  REENTER  
1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052  
3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface NE/NE 887' PNL 963' FEL  
At proposed prod. zone

10. Field and Pool, or Exploratory  
Monument Butte  
11. Sec., T., R., M., or Blk. and Survey or Area  
NE/NE Sec. 22, T9S R16E  
12. County or Parish  
Duchesne  
13. State  
UT

14. Distance in miles and direction from nearest town or post office\*  
Approximately 18.8 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' file, NA limit  
2080.00  
16. No. of Acres in lease  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
NA  
13,970'  
19. Proposed Depth  
20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5742' GL  
22. Approximate date work will start\*  
2nd Quarter 2005  
23. Estimated duration  
Approximately seven (7) days from start to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 2/18/05  
Title Regulatory Specialist

Approved by (Signature) \_\_\_\_\_ Name (Printed/Typed) \_\_\_\_\_ Date \_\_\_\_\_  
Title \_\_\_\_\_ Office \_\_\_\_\_

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

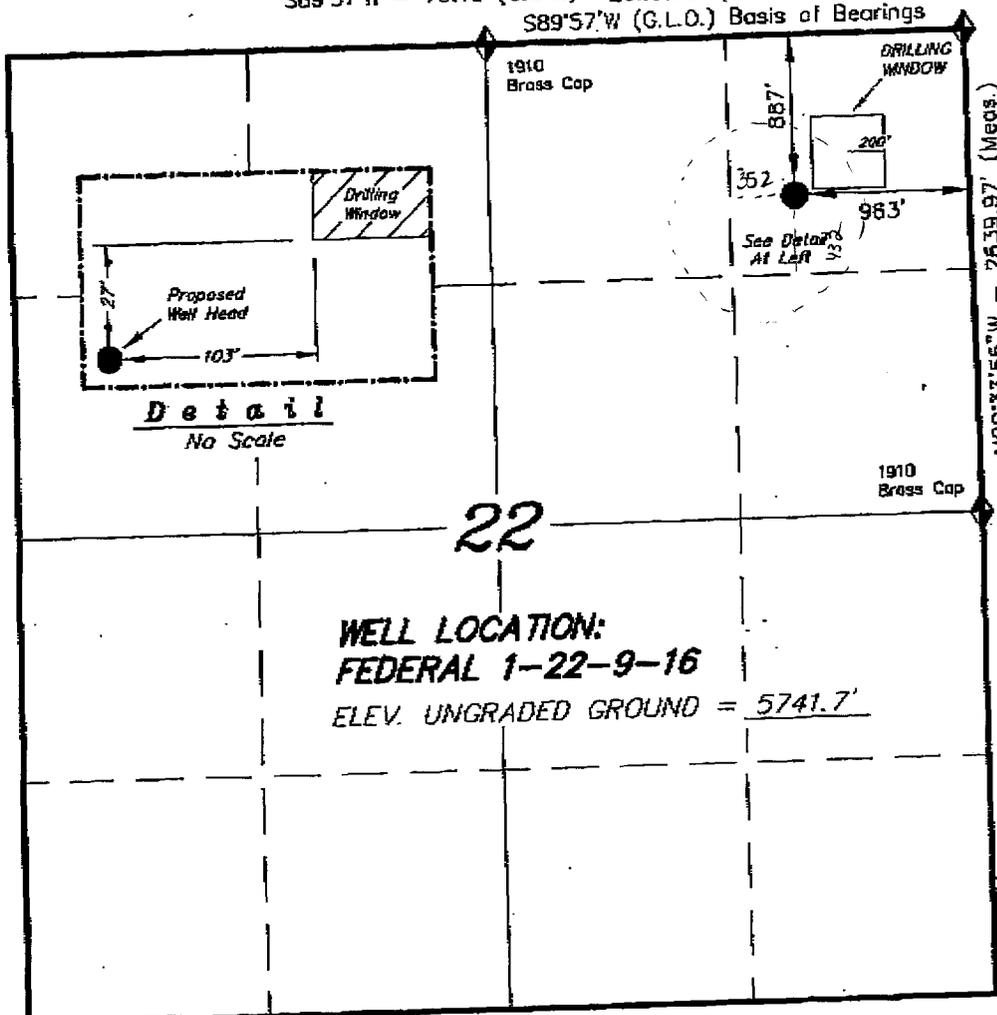
RECEIVED  
MAR 04 2005  
DIV. OF OIL, GAS & MINING

# T9S, R16E, S.L.B.&M.

**NEWFIELD PRODUCTION COMPANY**

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
 S89°57'W (G.L.O.) Basis of Bearings

1910 Brass Cap



**Detail**  
No Scale

**22**

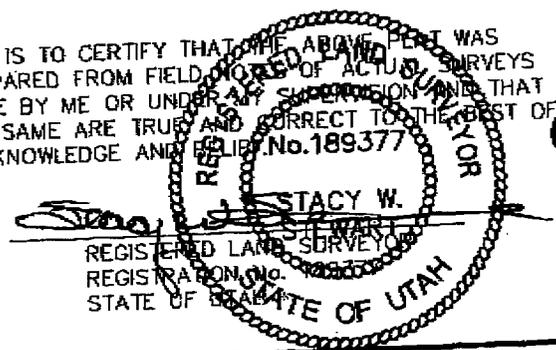
**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5741.7'

S89°58'W - 79.82 (G.L.O.)

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 12-29-04	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

N00°02'W (G.L.O.)

1910 Brass Cap  
 1910 Brass Cap  
 1910 Brass Cap  
 N00°02'W (G.L.O.)

02/28/2005 09:17 4356463001 INLAND PAGE 03



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

**013 APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 1-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NE 887' FNL 963' FEL At proposed prod. zone		9. API Well No. 43-013-32612
14. Distance in miles and direction from nearest town or post office* Approximatley 18.8 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 22, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 13,970'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5742' GL	22. Approximate date work will start* 2nd Quarter 2005	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BIA Bond No. on file UTY/0056		
23. Estimated duration Approximately seven (7) days from spud to rig release.		
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/18/05
Title Regulatory Specialist		
Approved by (Signature) <i>Thomas B. Lawrence</i>	Name (Printed/Typed) Thomas B. Lawrence	Date 05/18/2005
Title Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

UDOGM

RECEIVED  
MAY 24 2005  
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company.

Well Name & Number: Federal 1-22-9-16

API Number: 43-013-32612

Lease Number: U-74392

Location: NENE Sec. 22 T. 9S R. 16E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

As a minimum requirement, the cement behind the production casing must extend a minimum of 200' above the top of any potentially productive zone.

The proposed production casing does not meet the minimum requirement for collapse. The collapse design factor for the production casing must be 1.125 or greater.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**877 FNL 963 FEL NE/NE Section 22, T9S R16E**

5. Lease Designation and Serial No.

**UTU-74392**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 1-22-9-16**

9. API Well No.

**43-013-32612**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

<input checked="" type="checkbox"/> Notice of Intent
<input type="checkbox"/> Subsequent Report
<input type="checkbox"/> Final Abandonment Notice

**TYPE OF ACTION**

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other <b>Permit Extension</b>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 10/18/04 (expiration 10/18/05).

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 10-18-05

By: [Signature]

**COPY SENT TO OPERATOR**

Date: 10-20-05

Initials: CHD

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier  
Mandie Crozier

Title

Regulatory Specialist

Date

10/11/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**RECEIVED**

**OCT 13 2005**

**DIV. OF OIL, GAS & MINING**

HEBET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32612  
**Well Name:** Federal 1-22-9-16  
**Location:** NE/NE Section 22, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/18/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No  NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

Mandie Crozier  
Signature

10/10/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**OCT 13 2005**  
DIV. OF OIL, GAS & MINING

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 1-22-9-16

Api No: 43-013-32612 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

**SPUDDED:**

Date 12/26/05

Time 9:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JUSTIN CRUM

Telephone # 1-435-823-6733

Date 12/27/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84062

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
✓ B	99999	14844	43-047-35842	FEDERAL 15-9-9-18	SWSE	9	9S	18E	UINTAH	12/15/05	1/5/06
WELL 1 COMMENTS: <i>GRRV Sundance Unit</i> — J											
✓ B	99999	12391	43-013-32784	GREATER BOUNDARY 11-20-8-17	SWNE	20	8S	17E	DUCHESNE	12/16/05	1/5/06
WELL 2 COMMENTS: <i>GRRV</i> — J											
✓ B	99999	14844	43-047-35766	FEDERAL 5-9-9-18	SWNW	9	9S	18E	UINTAH	12/19/05	1/5/06
WELL 3 COMMENTS: <i>GRRV Sundance Unit</i> — J											
✓ B	99999	14844	43-047-38161	FEDERAL 9-7-9-18	NESE	7	9S	18E	UINTAH	12/21/05	1/5/06
WELL 4 COMMENTS: <i>GRRV Sundance Unit</i> — J											
✓ B	99999	14844	43-047-36050	FEDERAL 6-9-9-18	SENW	9	9S	18E	UINTAH	12/21/05	1/5/06
WELL 5 COMMENTS: <i>GRRV Sundance Unit</i> — J											
A	99999	15124	43-013-32612	FEDERAL 1-22-9-16	NENE	22	9S	16E	DUCHESNE	12/26/05	1/5/06
WELL 6 COMMENTS: <i>MNCS</i> — J											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for lease or single well only
  - B - Add new well to existing entity (group or individual)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

*Kim Kette*  
Signature  
Production Clerk  
Title

RECEIVED  
JAN 04 2006  
DIV OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDERAL 1-22-9-16

9. API Well No.  
4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
Newfield Production Company

3a. Address   Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

3a. Address    Route 3 Box 3630  
                   Myton, UT 84052

3b. Phone No. (include are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 887 FNL 963 FEL  
 NE/NE Section 22 T9S R16E

5. Lease Serial No.  
 UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 FEDERAL 1-22-9-16

9. API Well No.  
 4301332612

10. Field and Pool, or Exploratory Area  
 Monument Butte

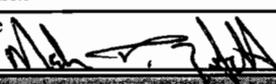
11. County or Parish, State  
 Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12-26-2005 MIRU Ross # 24. Spud well @ 9:00 AM. Drill 325' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 327.33' / KB On 12-27-05 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Troy Zufelt	Drilling Foreman
Signature 	Date 12/28/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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(Instructions on reverse)

**RECEIVED**

**JAN 09 2006**

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

3 5/8 CASING SET AT 327.33

LAST CASING 8 5/8" set @ 327.33  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 325' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 1-22-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 45.23'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	315.48
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			317.33
TOTAL LENGTH OF STRING		317.33	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>327.33</b>
TOTAL		315.48	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		315.48	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	12/26/2005	9:00 AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		12/27/2005	12:30 PM	Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		12/27/2005	1:58 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		12/27/2005	2:00 PM				
BEGIN DSPL. CMT		12/27/2005	2:25 PM	BUMPED PLUG TO <u>1000</u> PSI			
PLUG DOWN		12/27/2005	2:30 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 12/27/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDERAL 1-22-9-16

9. API Well No.  
4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

SUBMIT IN TRIPLICATE. Other Instructions on reverse side.

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

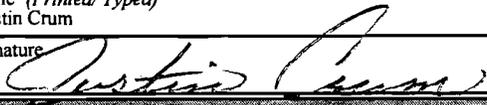
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/30/06 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5880'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 139 jt's of 5.5 J-55, 15.5# csgn. Set @ 5869'/KB. Cement with 400 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 25 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 108,000 #'s tension. Release rig @ 6:00 AM on 1/4/06.

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 01/07/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

JAN 13 2006

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5870.53

Flt clr @ 5826.95

LAST CASING 8 5/8" SET AT 327'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 1-22-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI Rig # 1

TD DRILLER 5880' Loggers TD 5863'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	<b>SHJT</b>	<b>6.03 @ 3709'</b>					
<b>138</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5826.95
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	44.33
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		5871.78
TOTAL LENGTH OF STRING			5871.78	139	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			87.08	2	CASING SET DEPTH		<b>5869.78</b>
<b>TOTAL</b>			<b>5943.61</b>	<b>141</b>	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			5943.61	141			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.			1/4/2006	10:00 AM	GOOD CIRC THRU JOB B <u>Yes</u>		
CSG. IN HOLE			1/4/2006	12:30 PM	Bbls CMT CIRC TO SURFACE <u>25 bbls</u>		
BEGIN CIRC			1/4/2006	12:30 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>		
BEGIN PUMP CMT			1/4/2006	2:40 PM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>		
BEGIN DSPL. CMT			1/4/2006	3:50 PM	BUMPED PLUG TO <u>1500</u> PSI		
PLUG DOWN			1/4/2006	16:15			
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>400</b>	Premlite II w/ 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>450</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING			
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum

DATE 1/4/2006

JAN 13 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

3a. Address    Route 3 Box 3630  
                   Myton, UT    84052

3b. Phone No. (include are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 887 FNL 963 FEL  
 NE/NE    Section 22 T9S R16E

5. Lease Serial No.  
 UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 FEDERAL 1-22-9-16

9. API Well No.  
 4301332612

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

1-31-06  
CHD

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title <b>Accepted by the Utah Division of Oil, Gas and Mining</b>	Date 1/27/06	Federal Approval Of This Action Is Necessary
-------------------	--	-----------------	---

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(Instructions on reverse)

Date: \_\_\_\_\_  
By: *[Signature]*

JAN 23 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 NEWFIELD PRODUCTION COMPANY

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                   Myton, UT 84052

3b. Phone No. (include are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 887 FNL 963 FEL  
 NE/NE    Section 22 T9S R16E

5. Lease Serial No.  
 UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 FEDERAL 1-22-9-16

9. API Well No.  
 4301332612

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 01/11/06 - 01/19/06

Subject well had completion procedures initiated in the Green River formation on 01-11-06 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5410'-5422'); Stage #2 (4768'-4786'), (4718'-4730'); Stage #3(4002'-4007'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-17-2006. Bridge plugs were drilled out and well was cleaned to 5824'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-19-2006.

I hereby certify that the foregoing is true and correct	Title
Name (Printed/ Typed) Lana Nebeker	Production Clerk
Signature 	Date 02/08/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

FEB 10 2006

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74392

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

NA

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.

Federal 1-22-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-32612

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 877' FNL & 963' FEL (NE/NE) Sec. 22, T9S, R16E

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA

Sec. 22, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-32612

DATE ISSUED

10/18/04

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

12/26/05

16. DATE T.D. REACHED

1/3/06

17. DATE COMPL. (Ready to prod.)

1/19/06

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5742' GL

19. ELEV. CASINGHEAD

5754' KB

20. TOTAL DEPTH, MD & TVD

5880'

21. PLUG BACK T.D., MD & TVD

5824'

22. IF MULTIPLE COMPL... HOW MANY\*

----->

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4002'-5422'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

**33. CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT, L.B./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	327'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5870'	7-7/8"	400 sx Premite II and 450 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

**30. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5502'	TA @ 5403'

**31. PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP2) 5410'-5422'	.46"	4/48	5410'-5422'	Frac w/ 45,584# 20/40 sand in 483 bbls fluid
(B1&2) 4718'-4730', 4768'-4786'	.43"	4/120	4718'-4786'	Frac w/ 124,027# 20/40 sand in 851 bbls fluid
(GB6) 4002'-4007'	.43"	4/20	4002'-4007'	Frac w/ 23,163# 20/40 sand in 305 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
1/19/06	2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	84	6	0	71
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from \_\_\_\_\_

*M. Sanchez-Coyis*

**FEB 27 2006**

Regulatory Specialist

2/20/2006

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<b>Well Name Federal 1-22-9-16</b>	Garden Gulch Mkr	3464'	
				Garden Gulch 1	3674'	
				Garden Gulch 2	3786'	
				Point 3 Mkr	4054'	
				X Mkr	4296'	
				Y-Mkr	4329'	
				Douglas Creek Mkr	4444'	
				BiCarbonate Mkr	4680'	
				B Limestone Mkr	4790'	
				Castle Peak	5300'	
				Basal Carbonate	5754'	
				Total Depth (LOGGERS)	5863'	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-22-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013326120000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0887 FNL 0963 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/14/2012. On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Accepted by the Utah Division of Oil, Gas and Mining**

**Date:** November 26, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/16/12 Time 9:00  am  pm

Test Conducted by: Riley Bagley

Others Present: \_\_\_\_\_

Well: <u>Federal 1-22-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 1-22-9-16</u>	API No: <u>4301332612</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1660</u>	psig
5	<u>1660</u>	psig
10	<u>1660</u>	psig
15	<u>1660</u>	psig
20	<u>1660</u>	psig
25	<u>1660</u>	psig
30 min	<u>1660</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

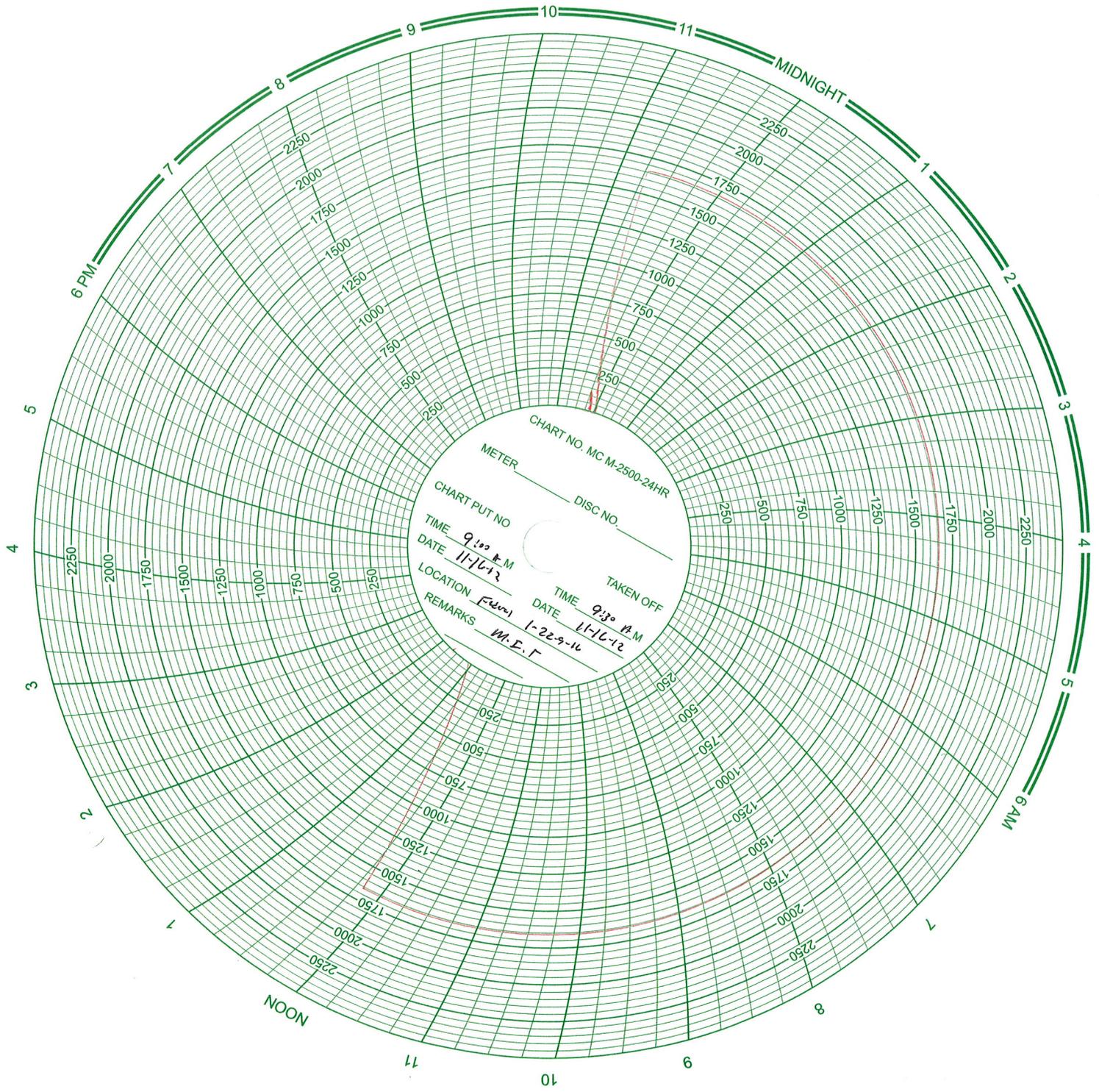
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Riley Bagley



## Daily Activity Report

Format For Sundry  
**FEDERAL 1-22-9-16**  
**9/1/2012 To 1/30/2013**

**11/13/2012 Day: 1**

**Conversion**

WWS #7 on 11/13/2012 - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$17,350

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**11/14/2012 Day: 2**

**Conversion**

WWS #7 on 11/14/2012 - Flushing Tbg w/30 BW count TOO H talling tbg breaking. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$23,995

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**11/15/2012 Day: 3**

**Conversion**

WWS #7 on 11/15/2012 - set pkr, psi test - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO. - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO.

**Daily Cost:** \$0

**Cumulative Cost:** \$28,513

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**11/19/2012 Day: 4**

**Conversion**

Rigless on 11/19/2012 - Conduct initial MIT - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$117,347

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Water Injection Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-22-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0887 FNL 0963 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	<b>9. API NUMBER:</b> 43013326120000
	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

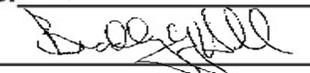
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/13/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Commence Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 11:00 AM on 06/13/2013.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: July 01, 2013

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/17/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 1-22-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013326120000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0887 FNL 0963 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/13/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 11:00 AM on 06/13/2013.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: July 01, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/17/2013	

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

# Federal 1-22-9-16

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315 48')  
 DEPTH LANDED: 327 33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf

### PRODUCTION CASING

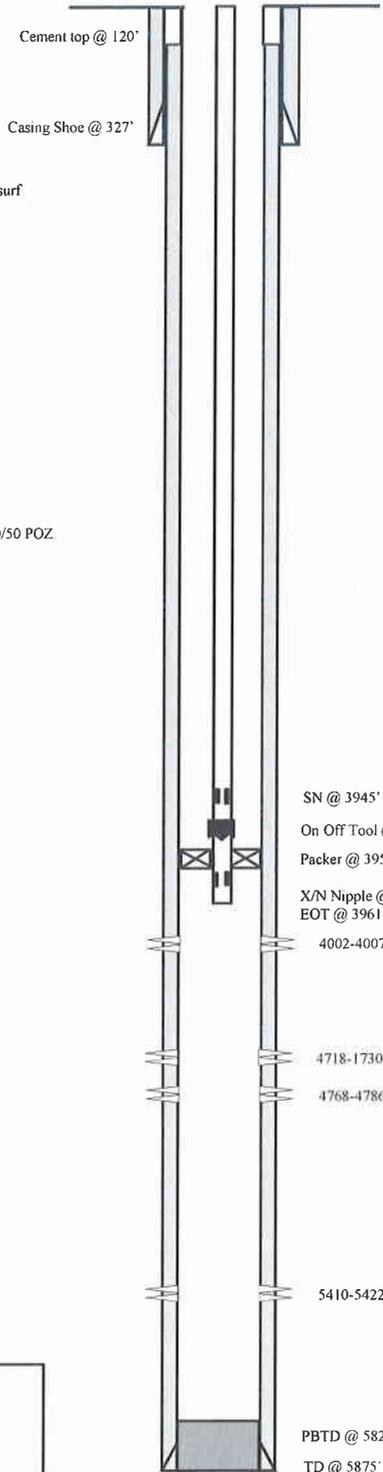
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5871 28')  
 DEPTH LANDED: 5869 78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 124 jts (3933 1')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 3945 1' KB  
 ON/OFF TOOL AT: 3946 2'  
 ARROW #1 PACKER CE AT: 3951'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3955 2'  
 TBG PUP 2-3/8 J-55 AT: 3955 8'  
 X/N NIPPLE AT: 3959 9'  
 TOTAL STRING LENGTH: EOT @ 3961'

### FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.
03/22/06		<b>Pump Change:</b> Update rod and tubing details.
9-3-08		<b>Pump Change:</b> Updated rod & tubing details.
7/21/09		<b>Tubing Leak:</b> Updated rod & tubing details.
01/13/2011		<b>Pump Change:</b> Rod & tubing detail updated.
11/14/12		<b>Convert to Injection Well</b>
11/16/12		<b>Conversion MIT Finalized</b> - update tbg detail



### PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

**NEWFIELD**

**Federal 1-22-9-16**  
 887' FNL & 963' FEL  
 NE/NE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32612; Lease #UTU-74392



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

### Cause No. UIC-392

**Operator:** Newfield Production Company  
**Well:** Federal 1-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32612  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 21, 2012.
2. Maximum Allowable Injection Pressure: 1,869 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,784' – 5,824')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

12-4-2012  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 1-22-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013326120000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0887 FNL 0963 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE  STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/14/2012. On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** November 26, 2012

**By:**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/20/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/16/12 Time 9:00  am  pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

Well: <u>Federal 1-22-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 1-22-9-16</u>	API No: <u>4301332612</u>

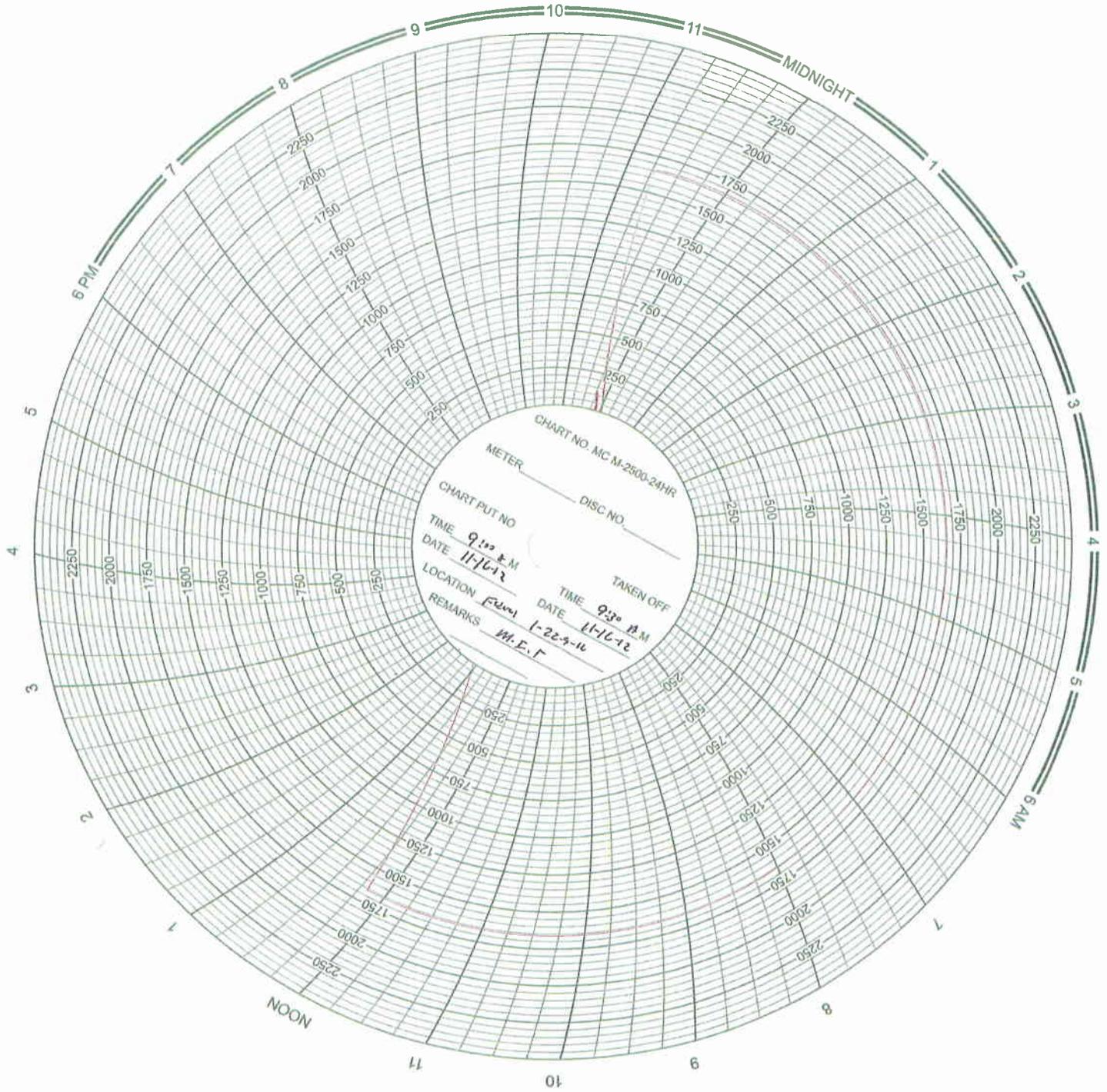
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1660</u>	psig
5	<u>1660</u>	psig
10	<u>1660</u>	psig
15	<u>1660</u>	psig
20	<u>1660</u>	psig
25	<u>1660</u>	psig
30 min	<u>1660</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Riley Bagley

Sundry Number: 32224 API Well Number: 43013326120000



## Daily Activity Report

Format For Sundry  
**FEDERAL 1-22-9-16**  
**9/1/2012 To 1/30/2013**

**11/13/2012 Day: 1**

**Conversion**

WWS #7 on 11/13/2012 - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOOH talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOOH talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$17,350

**11/14/2012 Day: 2**

**Conversion**

WWS #7 on 11/14/2012 - Flushing Tbg w/30 BW count TOOH talling tbg breaking. - Flushing TBG w/30 BW count TOOH talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. - Flushing TBG w/30 BW count TOOH talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$23,995

**11/15/2012 Day: 3**

**Conversion**

WWS #7 on 11/15/2012 - set pkr, psi test - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO. - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO.

**Daily Cost:** \$0

**Cumulative Cost:** \$28,513

**11/19/2012 Day: 4**

**Conversion**

Rigless on 11/19/2012 - Conduct initial MIT - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$117,347

**Pertinent Files: Go to File List**



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 21, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 1-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32612

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,784 feet in the Federal 1-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

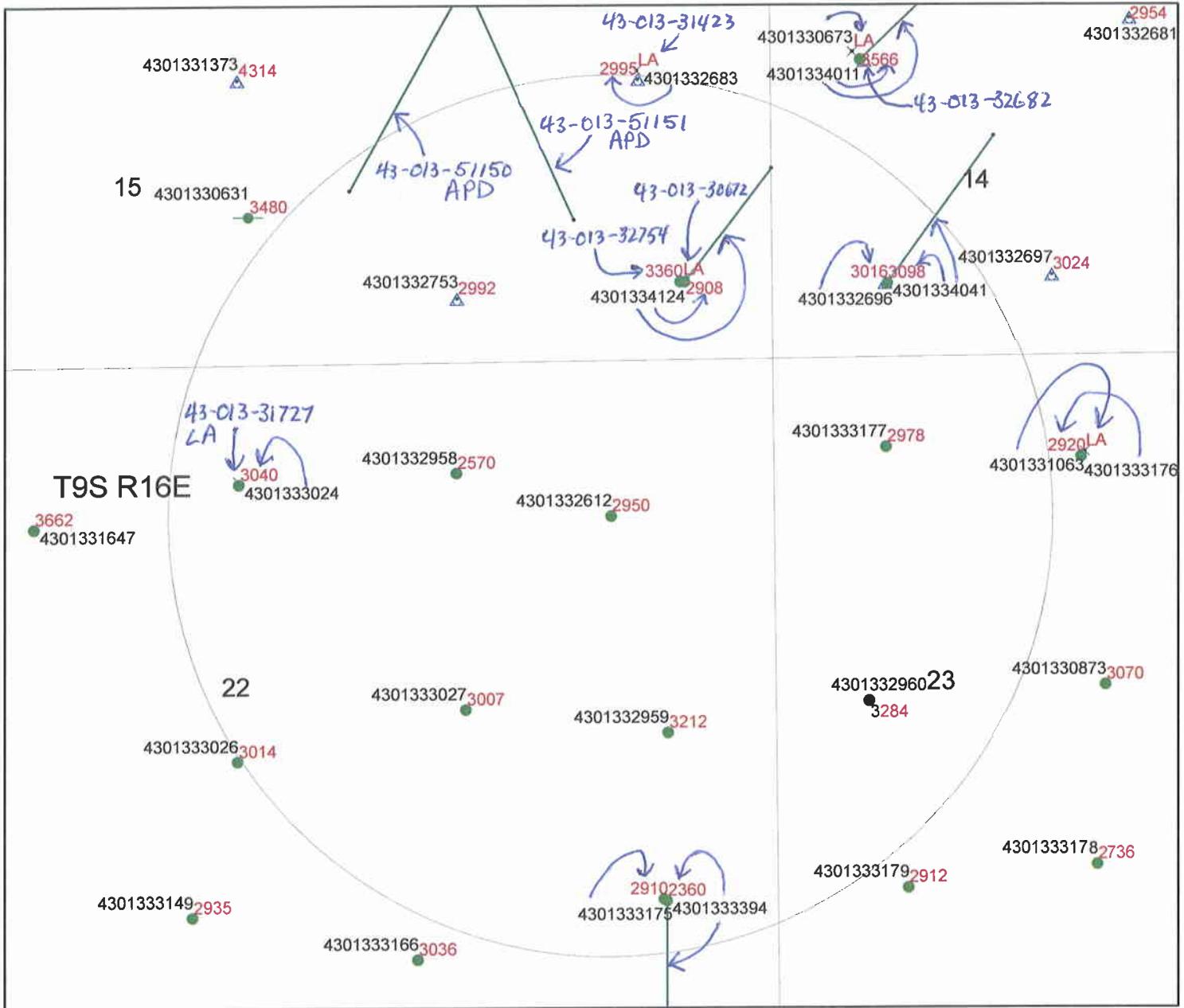
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Cement Bond Tops  
 FEDERAL 1-22-9-16  
 API #43-013-32612  
 UIC 392.13

### Legend

- |   |  |
|---|--|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_87 | PGW  |
| SGID93_ENERGY.DNROilGasWells              | POW  |
| <b>SGID93_ENERGY.DNROilGasWells</b>       | RET  |
| <b>GIS_STAT_TYPE</b>                      | SGW  |
| APD                                       | SOW  |
| DRL                                       | TA   |
| GIW                                       | TW   |
| GSW                                       | WDW  |
| LA  | WIW  |
| LOC                                       | WSW  |
| OPS                                       | SGID93_BOUNDARIES, Counties  |
| PA  | <ul style="list-style-type: none"> <li>• SGID93_ENERGY.DNROilGasWells_HDBottom</li> </ul>                                      |
|   | <ul style="list-style-type: none"> <li>— SGID93_ENERGY.DNROilGasWells_HDPath</li> <li>• Wells-CbitopsMaster08_14_12</li> </ul> |



1870calc = approx cement top calculated from well completion report

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 1-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-32612

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 327 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,870 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,950 feet. A 2 7/8 inch tubing with a packer will be set at 3,952 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 12 producing wells and 2 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are two approved surface locations outside the AOR from which directional wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,784 feet and 5,824 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 1-22-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,869 psig. The requested maximum pressure is 1,869 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 1-22-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 8/16/2012

1770 S. 5600 W.  
 P.O. BOX 704005  
 WEST VALLEY CITY, UTAH 84170  
 FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/25/2012

JUN 04 2012

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
 CAUSE NO. UIC-392

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER#
8015385340	0000794885
SCHEDULE	
Start 05/25/2012	End 05/25/2012
CUST. REF. NO.	
Newfield Prod UIC-392	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
87 Lines	3.00
TIMES	
3	
MISC. CHARGES	AD
	TC

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER. Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0107, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
 Monument Federal 22-121 well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
 API 43-013-15796  
 Federal 3-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
 API 43-013-32658  
 Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
 API 43-013-33136  
 Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33030  
 Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33062  
 Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33174  
 Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33066  
 Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33067  
 Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33104  
 Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33068  
 Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33145  
 Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South Range 16 East  
 API 43-013-31726  
 Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-32612  
 Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-33027  
 Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33176  
 Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33178  
 Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33182  
 Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33084  
 Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33344  
 Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
 API 43-013-31394

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I.C. BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES CAUSE NO. UIC-392 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGAL.S.COM INDEFINATELY

PUBLISHED ON Start 05/25/2012 End 05/25/2012

SIGNATURE: *[Signature]*

5/25/2012

**VIRGINIA CRAFT**  
 Notary Public, State of Utah  
 Commission # 581469  
 My Commission Expires  
 January 12, 2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
 PLEASE PAY FROM BILLING STATEMENT

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	30968	Invoice Date	5/30/2012
Advertiser No.	2080	Invoice Amount	\$191.45
		Due Date	6/29/2012

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N. TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment.

**INVOICE**

Uintah Basin Standard		DIVISION OF OIL GAS & MINING		Invoice No. 30968	5/30/2012	
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
5/30/2012	15615 UBS	UBS Legal Notice: Not of Agcy Actn: Newfield Cause No. UIC-392 Pub. May 29, 2012				\$191.45
				Sub Total:		\$191.45
				Total Transactions: 1		Total: \$191.45

**SUMMARY**      Advertiser No.    2080                      Invoice No.            30968

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 29 day of May, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 29 day of May, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

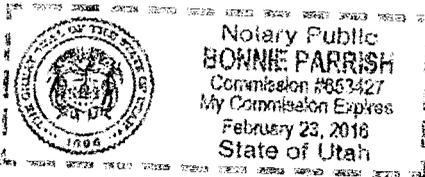
Kevin Ashby  
Publisher

Subscribed and sworn to before me on this

1 day of June, 2012

by Kevin Ashby.

Bonnie Parrish  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-392

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17.

For further information contact Mike Hyde at (435) 738-1151. Or, send comments to: Duchesne County Planning, P.O. Box 317, Duchesne, Utah 84021 or email myhde@duchesne.utah.gov. Persons needing special accommodations for this meeting should call Duchesne County Planning at least 3 days in advance of the hearing. Published May 22 and 29, 2012.

## LEGAL N Your Right

Christensen, located on the south side of Highway 87 (Ioka Lane) and the west side of 4000 West, in the NE 1/4 of the NE 1/4 of Section 2, Township 3 South, Range 2 West.

The Duchesne County Commissioners will conduct a public hearing to review the Planning Commission recommendation and proposed rezoning ordinance during their June 18, 2012 meeting, beginning at 1:30 PM in the Commission Chambers, Duchesne County Administration Building, 734 North Center Street, Duchesne, Utah.

For further information contact Mike

## SERET P TRIC COOP

## ATORY TECHNICAL CHEMIST

is an electrical utility states. We have a Laboratory Technical a 500 MW coal-fueled, Utah.

candidate will be reliable, and take independent on high pressure O2 scrubbers, demineralized potable water, and a candidate must also have condensate polishers, bulk chemical handling computer literate and software.

High School graduate experience as a technician in an industrial

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

- Monument Federal 22-12J well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15796
- Federal 5-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32658
- Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
API 43-013-33136
- Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33030
- Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33062
- Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33174
- Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066
- Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33067
- Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33104
- Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33068
- Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33145
- Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-31726
- Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-32612
- Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33027
- Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22<sup>nd</sup> day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 22-12J, FEDERAL 5-13-9-16, FEDERAL 13-15-9-16, FEDERAL 7-17-9-16, FEDERAL 1-19-9-16, FEDERAL 5-19-9-16, FEDERAL 1-20-9-16, FEDERAL 3-20-9-16, FEDERAL 5-20-9-16, FEDERAL 9-20-9-16, FEDERAL 9-21-9-16, MONUMENT FEDERAL 31-21-9-16Y, FEDERAL 1-22-9-16, FEDERAL 7-22-9-16, FEDERAL 3-23-9-16, FEDERAL 11-23-9-16, FEDERAL 15-23-9-16, FEDERAL 3-24-9-16, FEDERAL 15-24-9-16, FEDERAL 21-25Y**

**Cause No. UIC-392**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Uintah Basin Standard  
268 S 200 E  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

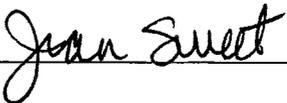
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Vernal Office  
Bureau of Land Management  
170 S 500 E  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

May 22, 2012

Via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 5/23/2012 3:07 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

---

On 5/22/2012 2:09 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

It will be in the May 29 edition.  
Thank you.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2012

Via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/22/2012 2:32 PM  
**Subject:** Proof for Notice of Agency Action  
**Attachments:** OrderConf.pdf

AD# 794885  
Run SL Trib 5/25/12  
Cost \$331.25  
Please advise of any changes  
Thank You  
Ken

### Order Confirmation for Ad #0000794885-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	██████████	<b>Payor Account</b>	██████████
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	earlenerussell@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$331.25</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$331.25</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Newfield Prod UIC-392	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 87 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/25/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/25/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	05/25/2012	

### Order Confirmation for Ad #0000794885-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000794885-01

Ad Content Proof 135%

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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API 43-013-32658

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API 43-013-33136

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API 43-013-33030

Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33062

Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33174

Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33066

Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33067

Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33104

Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33068

Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33145

Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-31726

Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32612

Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33027

Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33178

Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33182

Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33084

Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33344

Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East

API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of May, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/ Brad Hill

Permitting Manager

794885

UPAXLP



April 30, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #1-22-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 22-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**MAY 01 2012**

**DIV OF OIL, GAS, & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #1-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**APRIL 30, 2012**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #1-22-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #2-22-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #3-22-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #7-22-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #8-22-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #9-22-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #4-23-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #5-23-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – JONAH FEDERAL #13-14-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – JONAH FEDERAL #9-15-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – JONAH FEDERAL #16-15-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – JONAH #15-15-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 1/12/06 – 1/20/06
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

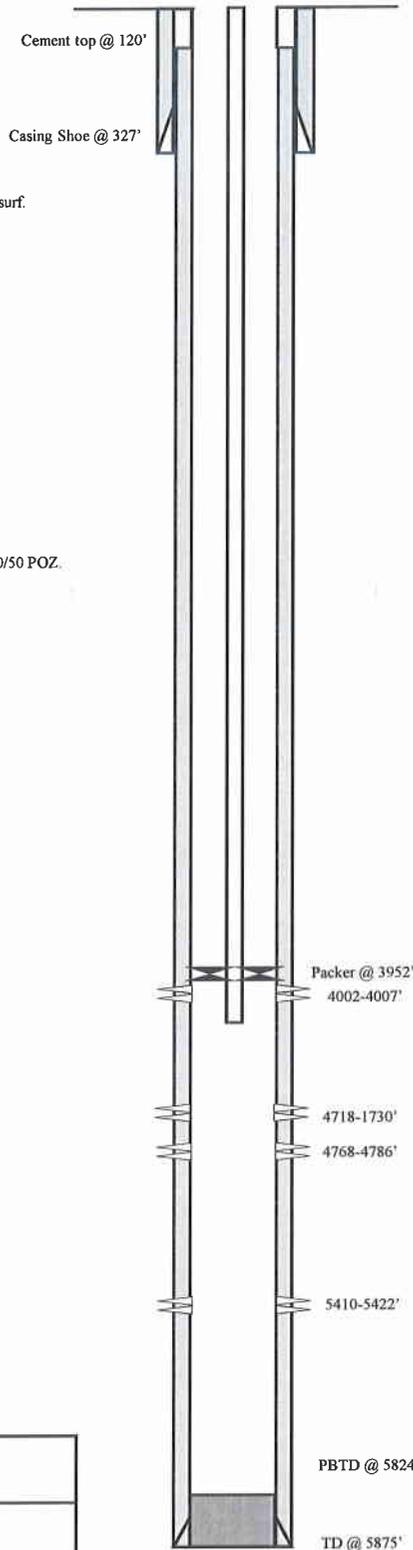
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

## TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5390.80')  
 TUBING ANCHOR: 5403' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5437' KB  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5502' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.
03/22/06		Pump Change. Update rod and tubing details.
9-3-08		Pump Change. Updated rod & tubing details.
7/21/09		Tubing Leak. Updated rod & tubing details.
01/13/2011		Pump Change. Rod & tubing detail updated.

## PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

**NEWFIELD**

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**Federal 1-22-9-16**  
 887' FNL & 963' FEL  
 NE/NE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32612; Lease #UTU-74392

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #1-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3784' - 5824'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3462' and the TD is at 5875'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #1-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 327' KB, and 5-1/2", 15.5# casing run from surface to 5870' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1869 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #1-22-9-16, for existing perforations (4002' - 5422') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1869 psig. We may add additional perforations between 3462' and 5875'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #1-22-9-16, the proposed injection zone (3784' - 5824') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

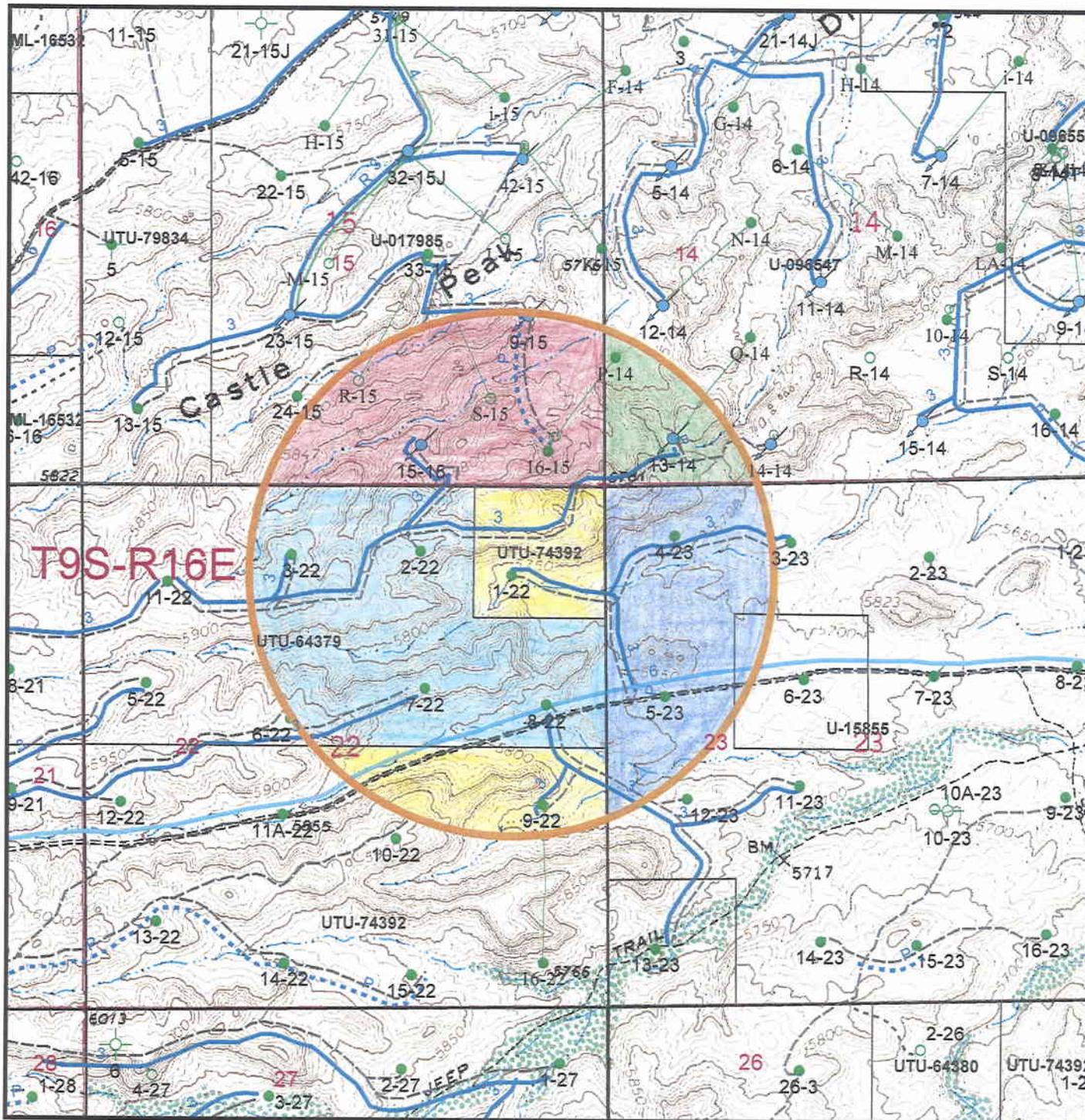
**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.

# ATTACHMENT A



**WellStatus\_HalfMile\_Buffer**

**Well Status**

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In

**Injection system**

- high pressure
- low pressure
- proposed
- return
- return proposed

**Leases**

- Leases
- Mining tracts

**Handwritten Well IDs:**

- UTU-74392
- UTU-64379
- UTU-017985
- UTU-096547
- UTU-15855

Federal 1-22  
Section 22, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1 in = 1,500 feet

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

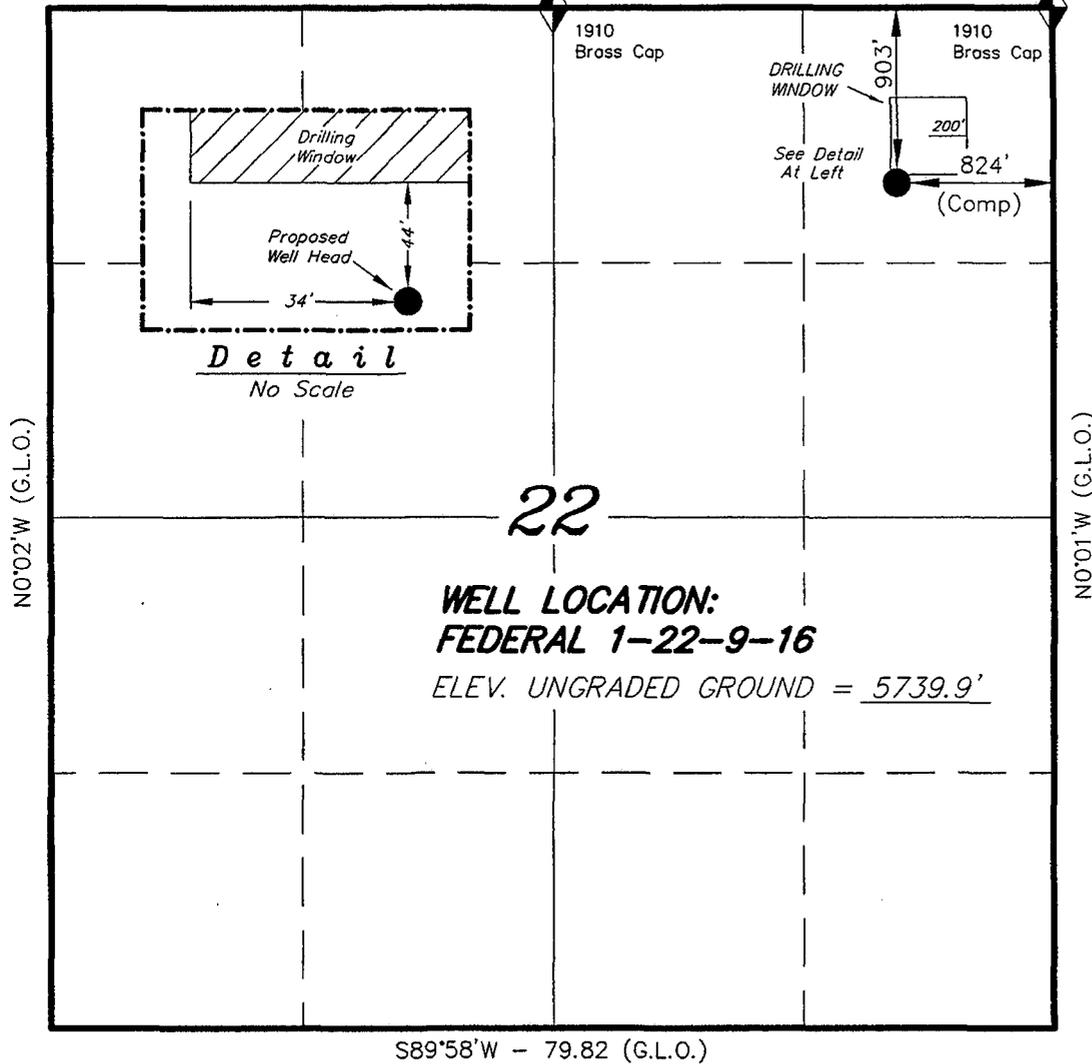
March 13, 2012

## T9S, R16E, S.L.B.&M.

## INLAND PRODUCTION COMPANY

S89°57'W - 79.76 (G.L.O.)  
 2629.75' (Measured)  
 S89°57'W G.L.O. (Basis of Bearings)

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:  
 The Well Location Bears S42°20'07"W  
 1223.00' From the Northeast Corner  
 of Section 22.



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5739.9'

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.

STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3-11-04	DRAWN BY: R.V.C.
NOTES:	FILE #

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: Lots 3, 4, E2SW, SE Section 19: Lots 1,2, NE, E2NW Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU - 64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S -R16E SLM Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
4	T9S-R16E SLM Section 11: W2SW, W2SW Section 14: SWNE, S2, S2SE, SESE	USA UTU- 096547 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA

5 T9S-R16E SLM  
Section 23: E2, NW, E2SW, NWSW  
Section 24: N2, SW, N2SE, SWSE

USA  
UTU-15855  
HBP

Newfield Production Company  
Newfield RMI LLC  
Bee Hive Oil LLC  
Journey Properties LLC  
King Oil & Gas of Texas LTD  
Six Gold Oil LLC  
Stone Energy Corp

USA

ATTACHMENT C

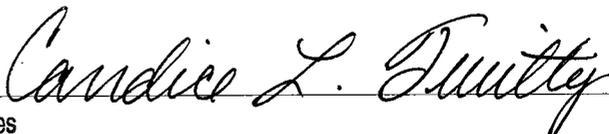
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #1-22-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 30<sup>th</sup> day of April, 2012.

Notary Public in and for the State of Colorado:   
My Commission Expires  
02/10/2013

My Commission Expires: \_\_\_\_\_



## Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

### TUBING

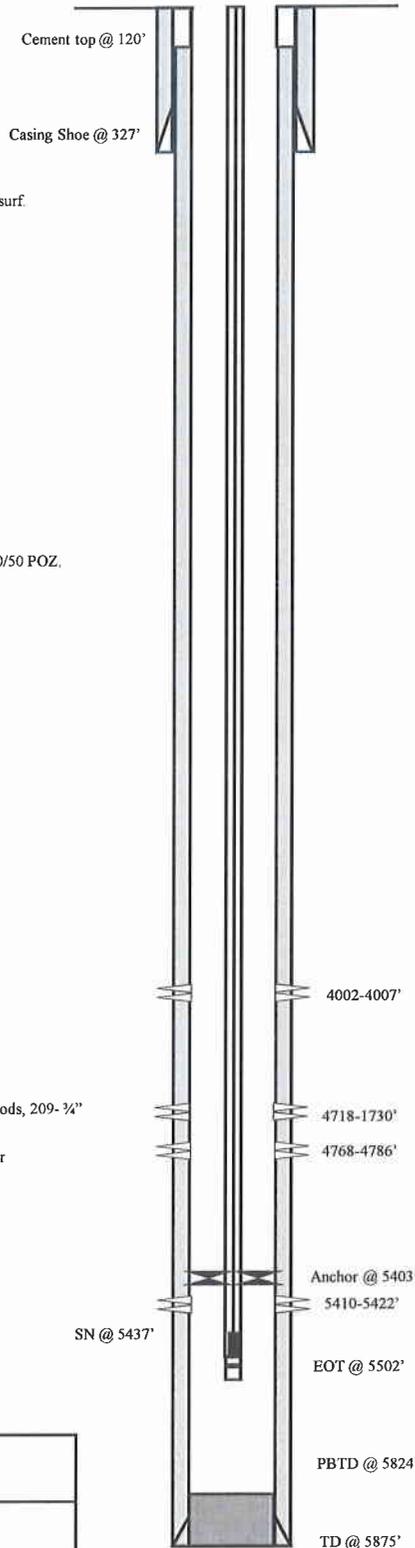
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5390.80')  
 TUBING ANCHOR: 5403' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5437' KB  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5502' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-8" & 1-2" 3/4" pony rods, 100- 3/4" guided rods, 209- 3/4" guided rods, 6-1 1/2" sinker bars, 6-1" Stabilizer Rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

### FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal. Pump Change. Update rod and tubing details.
03/22/06		Pump Change. Update rod & tubing details.
9-3-08		Pump Change. Updated rod & tubing details.
7/21/09		Tubing Leak. Updated rod & tubing details.
01/13/2011		Pump Change. Rod & tubing detail updated.



### PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

**NEWFIELD**

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**Federal 1-22-9-16**

887' FNL & 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392

# FEDERAL 2-22-9-16

Spud Date: 05/26/07  
 Put on Production: 07/03/07  
 GL: 5860' KB: 5872'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (302 90')  
 DEPTH LANDED: 314 75' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, cir 6 bbls to surf

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 136 jts (5895 76')  
 DEPTH LANDED 5893 76' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP 57' per CBL 6/25/07

### TUBING (GI 7/5/11)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS 178 jts (5515 9')  
 TUBING ANCHOR 5528'  
 NO OF JOINTS 1 jts (31 42')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT: 5562 1'  
 NO OF JOINTS 1 jt (29 82')  
 PAGA: 3-1/2" (5 4')  
 NO OF JOINTS 3 jts (94 7')  
 PBGA: 2-7/8" (0 7')  
 TOTAL STRING LENGTH: EOT @ 5694'

### SUCKER RODS (GI 7/5/11)

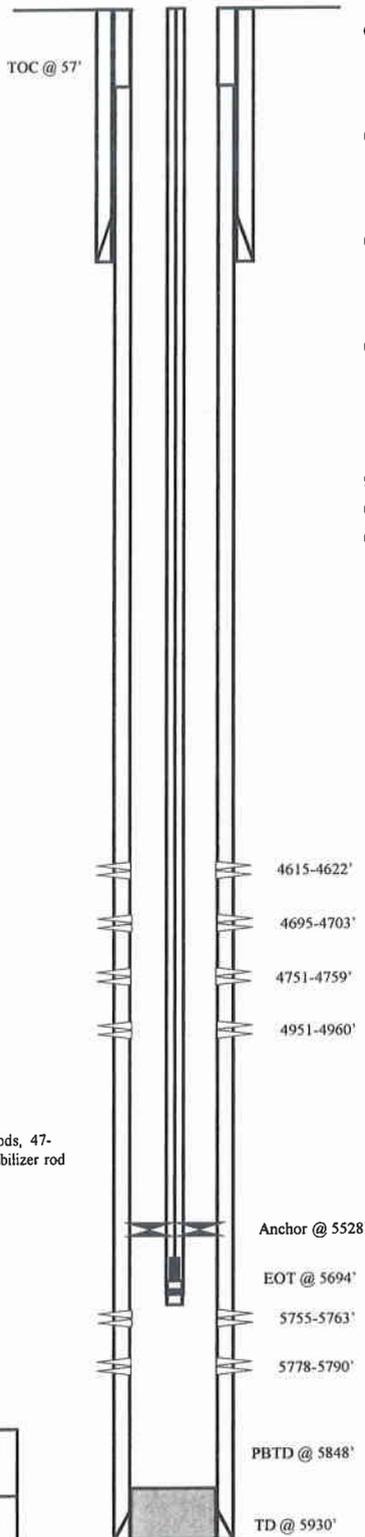
POLISHED ROD: 1-1/2" x 22' polish rod  
 SUCKER RODS 1-2", 4", 8", 8' x 3/4" pony rods, 130-3/4 4 per guided rods, 47-3/4 sucker rods, 37-3/4 4 per guided rods, 6-1 1/2 Sinkers bars, 6-1" Stabilizer rod  
 PUMP SIZE 2-1/2" x 1-1/4" x 12"x16"RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: 5 SPM  
 PUMPING UNIT: Weatherford C-228-213-86

### FRAC JOB

06/27/07	5755-5790'	<b>Frac CP5 sands as follows:</b> 60101# 20/40 sand in 501 bbls Lightning 17 frac fluid Treated @ avg press of 1583 psi w/avg rate of 24 7 BPM ISIP 1950 psi Calc flush: 5753 gal Actual flush: 5166 gal
06/27/07	4951-4960'	<b>Frac A.5 sands as follows:</b> 39988# 20/40 sand in 382 bbls Lightning 17 frac fluid Treated @ avg press of 2087 psi w/avg rate of 24 7 BPM ISIP 2525 psi Calc flush: 4898 gal Actual flush: 4360 gal
06/27/07	4695-4759'	<b>Frac D3 &amp; C sands as follows:</b> 57108# 20/40 sand in 466 bbls Lightning 17 frac fluid Treated @ avg press of 2290 psi w/avg rate of 24 7 BPM ISIP 3228 psi Calc flush: 4693 gal Actual flush: 4158 gal
06/29/07	4615-4622'	<b>Frac D1 sands as follows:</b> 9646# 20/40 sand in 210 bbls Lightning 17 frac fluid Treated @ avg press of 2799 psi w/avg rate of 24 7 BPM ISIP 1928 psi Calc flush: 4613 gal Actual flush: 4536 gal \
9-18-07		Pump Change Updated rod tubing details
05/28/08		Hole in tubing Updated rod and tubing details
07/06/11		Tubing leak Rods & tubing updated

### PERFORATION RECORD

06/25/07	5778-5790'	4 JSPF	48 holes
06/25/07	5755-5763'	4 JSPF	32 holes
06/27/07	4951-4960'	4 JSPF	36 holes
06/27/07	4751-4759'	4 JSPF	32 holes
06/27/07	4695-4703'	4 JSPF	32 holes
06/27/07	4615-4622'	4 JSPF	28 holes



**NEWFIELD**

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**FEDERAL 2-22-9-16**

645' FNL & 1878' FEL

NW/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32958; Lease # UTU-64379

## Fed. #3-22-9-16

Spud Date: 5-31-07  
 Put on Production: 7-4-07  
 GL: 5866' KB: 5878'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (287 98')  
 DEPTH LANDED: 299 83' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sxs Class "G" cement

### PRODUCTION CASING

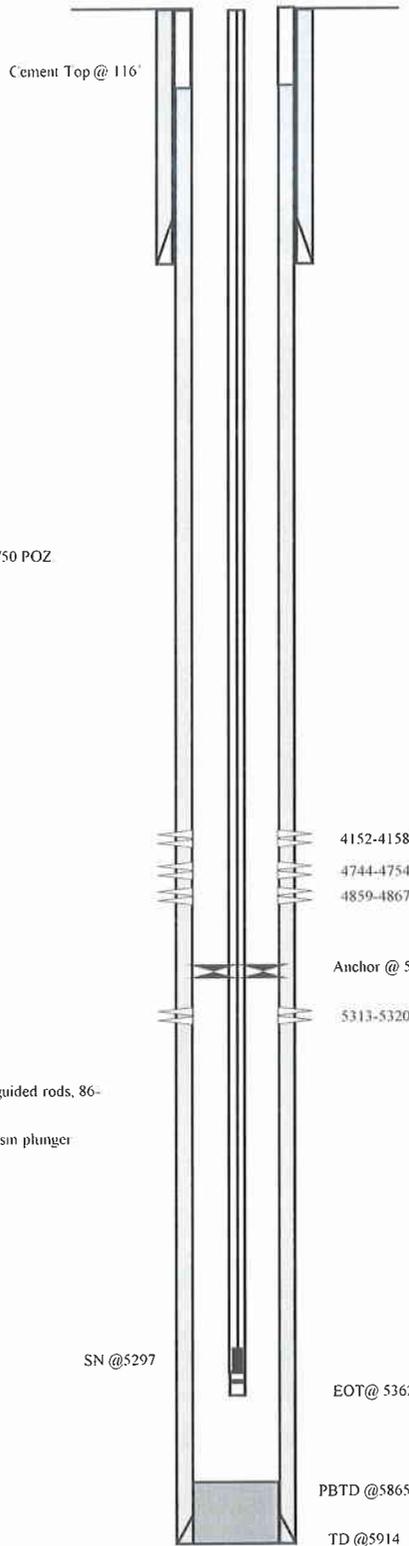
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts (6357 47')  
 DEPTH LANDED: 5910.55' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP: 116'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 169 jts (5263 03')  
 TUBING ANCHOR: 5263' KB  
 NO OF JOINTS: 1 jts (31 60')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5297 40' KB  
 NO OF JOINTS: 2 jts (63 23')  
 TOTAL STRING LENGTH: EOT @ 5362' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rods  
 SUCKER RODS: 1-8", 1-6", 1-4", 1-2", x 3/4" ponies, 99-3/4" guided rods, 86-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12" x 15" RHAC pump w/sin plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED: SPM: 5



### FRAC JOB

6/29/07 5313-5320' **RU BJ & frac LODC sds as follows:**  
 40,796# 20/40 sand in 411 bbls of Lightning 17 frac fluid. Treated @  
 ave pressure of 3412 w/ ave rate of 22.2 bpm w/ 6.5 ppg of sand. ISIP  
 was 3327. Actual flush: 4830 gals

6/29/07 4859-4867' **RU BJ & frac stage #2 as follows:**  
 34,536#s of 20/40 sand in 354 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 3900 w/ ave rate of 22.1 bpm w/ 6.5 ppg of sand.  
 ISIP was 4200. Actual flush: 2646 gals

6/29/07 4744-4754' **RU BJ & frac stage #3 as follows:**  
 34,902#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 2527 w/ ave rate of 27.6 bpm w/ 6.5 ppg of sand.  
 1144 bbls EWTR. ISIP was 1925. Actual flush: 4242 gals

6/29/07 4152-4158' **RU BJ & frac stage #4 as follows:**  
 44,919#s of 20/40 sand in 372 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 2360 w/ ave rate of 24.7 bpm w/ 8 ppg of sand.  
 1517 bbls EWTR. ISIP was 1900. Actual flush: 5996 gals

12/21/09 Parted Rods. Rod & Tubing updated

### PERFORATION RECORD

Date	Depth Range	Number of JSPF	Number of Holes
06/29/07	5313-5320'	4 JSPF	28 holes
06/29/07	4859-4867'	4 JSPF	32 holes
06/29/07	4744-4754'	4 JSPF	40 holes
06/29/07	4152-4158'	4 JSPF	24 holes



Federal 3-22-9-16  
 683' FNL & 2079' FWL (NE/NW)  
 Section 22, T9S, R16E  
 Duchesne Co, Utah  
 API #43-013-33024; Lease # UTU-64379

# Federal 7-22-9-16

Spud Date: 3/12/08  
 Put on Production: 04/23/08  
 GL: 5818' KB: 5880'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (323.72')  
 DEPTH LANDED: 336'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

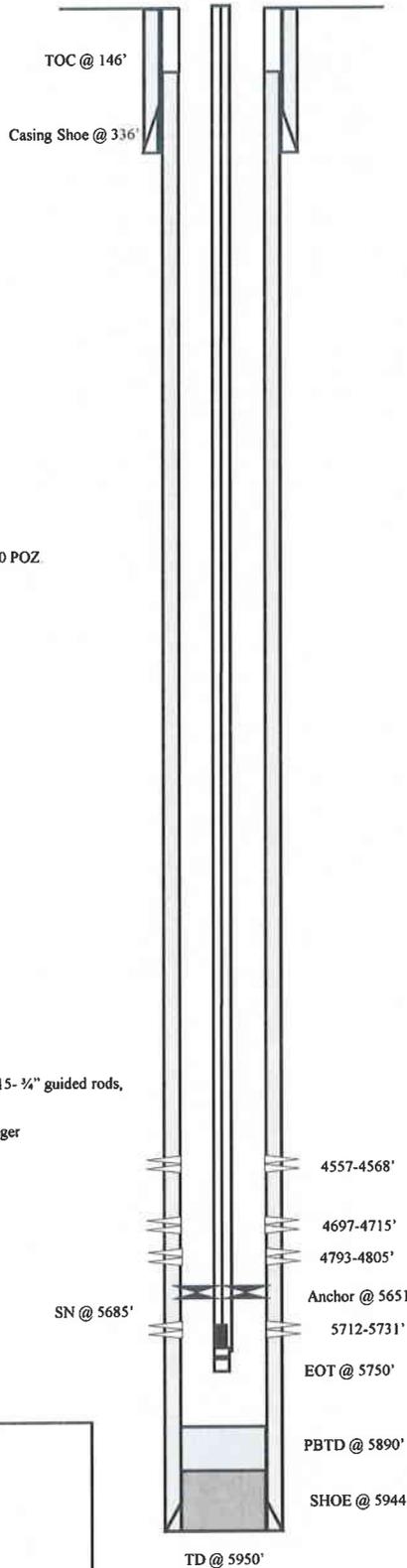
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5930.89')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5944'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 146'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 183 jts (5639.3')  
 TUBING ANCHOR: 5651.2'  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5685.4' KB  
 NO. OF JOINTS: 2 jts (62.90')  
 TOTAL STRING LENGTH: EOT @ 5750' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 115-3/4" guided rods, 67-3/4" guided rods, 40-3/4" guided rods, 6-1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 20' RHAC pump w/ SM plunger  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5



### FRAC JOB

04-17-08 5712-5731' **Frac CP5 sands as follows:**  
 Frac with 45958 #'s of 20/40 sand in 460 bbls of Lightning 17 fluid. Treat at an ave pressure of 1725 psi @ 23.3 BPM ISIP 1824 psi

04-17-08 4793-4805' **Frac B1 sands as follows:**  
 Frac with 40109 #'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Treat at an ave pressure of 1811 psi @ 23.3 BPM ISIP 1936 psi.

04-17-08 4697-4715' **Frac C sands as follows:**  
 Frac with 109892 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 2002 psi @ 23.3 BPM ISIP 2125 psi.

04-17-08 4557-4568' **Frac D1 sands as follows:**  
 Frac with 52326 #'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treat at an ave pressure of 2259 psi @ 23.3 BPM ISIP 2160 psi

04-29-08 Pump change. Tubing and rod details updated.

5/8/2010 Pump changed. Updated rod and tubing detail.

### PERFORATION RECORD

4557-4568'	4 JSPF	44 holes
4697-4715'	4 JSPF	72 holes
4793-4805'	4 JSPF	48 holes
5712-5731'	4 JSPF	76 holes

**NEWFIELD**



Federal 7-22-9-16  
 2036' FNL & 1837' FEL  
 SWNE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33027; Lease #UTU-64379

# Federal 8-22-9-16

Spud Date: 11/01/06  
 Put on Production: 12/13/06  
 K.B.: 5791, G.L.: 5779

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310 68')  
 DEPTH LANDED: 322 53' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15 5#  
 LENGTH: 133 jts (5837 43')  
 DEPTH LANDED: 5850 68' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 322 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 60'

### TUBING

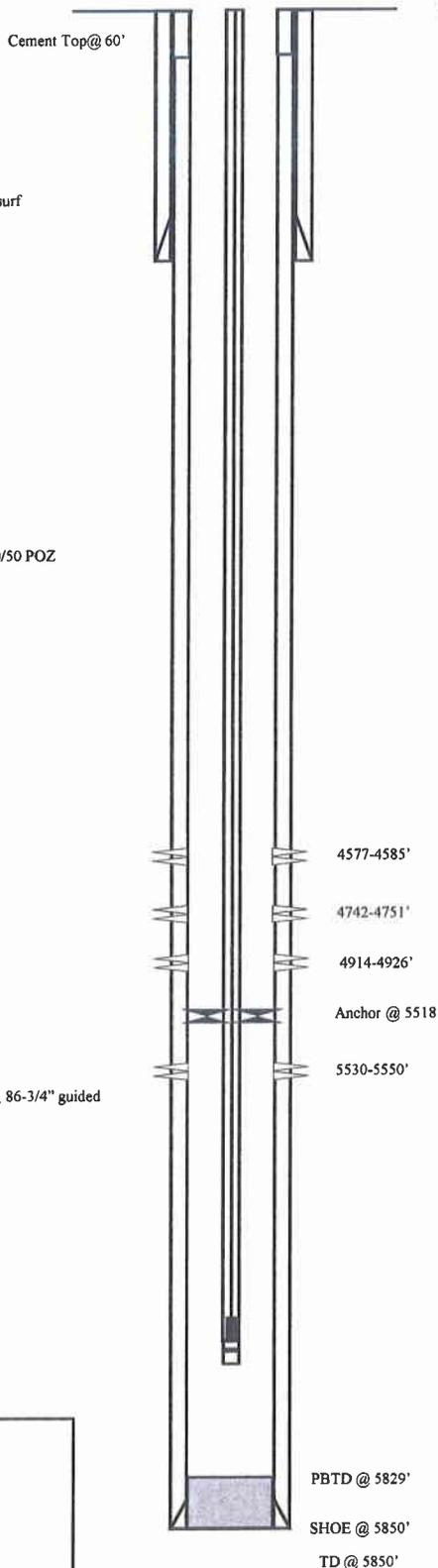
SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS: 175 jts (5517 93')  
 TUBING ANCHOR: 5517 90' KB  
 NO OF JOINTS: 1 jts (31 70')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5552.4' KB  
 NO OF JOINTS: 2 jts (63 10')  
 TOTAL STRING LENGTH: EOT @ 5617' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 2-8' x 3/4" pony rod, 100-3/4" guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC w/SM plunger  
 STROKE LENGTH: 61"  
 PUMP SPEED: 5 SPM

### FRAC JOB

12/08/06	5530-5550'	<b>Frac CP4, sands as follows:</b> 30245# 20/40 sand in 381 bbls Lightning 17 frac fluid Treated @ avg press of 2020 psi w/avg rate of 25 BPM ISIP 1960 psi Calc flush: 5548 gal Actual flush: 4998 gal
12/08/06	4914-4926'	<b>Frac A1 sands as follows:</b> 70951# 20/40 sand in 533 bbls Lightning 17 frac fluid Treated @ avg press of 1762 psi w/avg rate of 25 BPM ISIP 2190 psi Calc flush: 4924 gal Actual flush: 4452 gal
12/08/06	4742-4751'	<b>Frac B2 sands as follows:</b> 29729# 20/40 sand in 414 bbls Lightning 17 frac fluid Treated @ avg press of 2490 psi w/avg rate of 25 BPM ISIP 1950 psi Calc flush: 4749 gal Actual flush: 4242 gal
12/08/06	4577-4585'	<b>Frac C sands as follows:</b> 26560# 20/40 sand in 342 bbls Lightning 17 frac fluid Treated @ avg press of 2804 psi w/avg rate of 25 BPM ISIP psi Calc flush: 4583 gal Actual flush: 4242 gal
07/16/10		Pump Change Rod & Tubing detail



### PERFORATION RECORD

12/05/06	5530-5550'	4 JSPF	80 holes
12/08/06	4914-4926'	4 JSPF	48 holes
12/08/06	4742-4751'	4 JSPF	36 holes
12/08/06	4577-4585'	4 JSPF	32 holes

**NEWFIELD**

**Federal 8-22-9-16**

2200' FNL & 618' FEL

SE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32959; Lease #UTU-64379

Federal 9-22-9-16

Spud Date: 4-19-2007  
 Put on Production: 6-08-2007  
 GL: 5803' KB: 5815'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (309 25')  
 DEPTH LANDED 322 91' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 133 jts (5855 48')  
 DEPTH LANDED 5852.48' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP AT 68'

**TUBING**

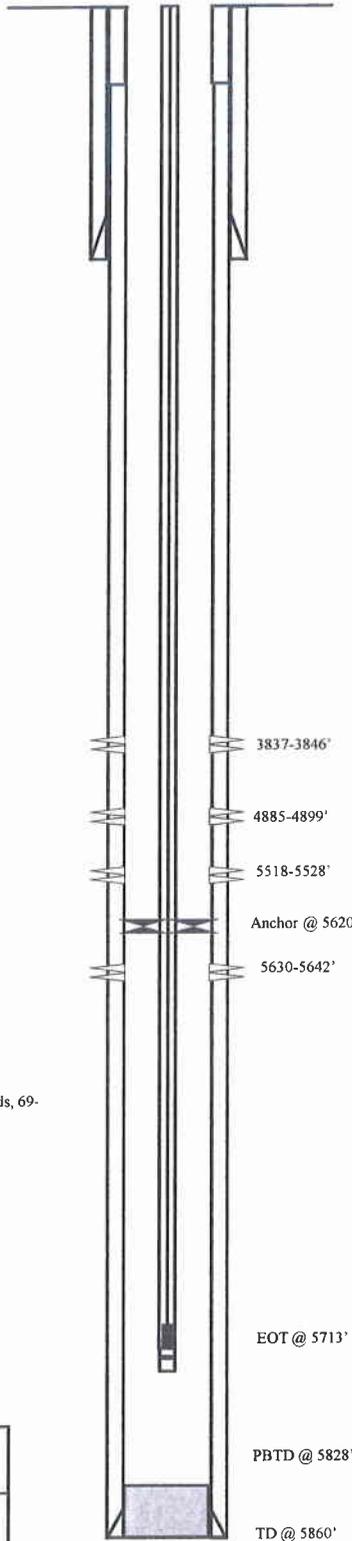
SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 182 jts (5608 ')  
 TUBING ANCHOR 5620'  
 NO OF JOINTS 1 jts (28 32')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5651'  
 NO OF JOINTS 2 jts (60 92')  
 TOTAL STRING LENGTH EOT @ 5713'

**SUCKER RODS**

POLISHED ROD 1-1/2" x 26'  
 SUCKER RODS 1-2", 4", 6' x 8' X 3/4" pony rods, 99- 1/4" guided rods, 69- 3/4" sucker rods, 50- 3/4" guided rods, 6- 1 1/2" sinker bars,  
 PUMP SIZE 2-1/2" x 1-1/4" x 16' x 22' RHAC  
 STROKE LENGTH 120"  
 PUMP SPEED, SPM 5 SPM

**FRAC JOB**

06-05-07	5630-5642'	<b>Frac CP5 sands as follows:</b> 39984# 20/40 sand in 405 bbls Lightning 17 frac fluid Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM ISIP 2165 psi Calc flush: 5328 gal Actual flush: 5208 gal
06-05-07	5518-5528'	<b>Frac CP4 sands as follows:</b> 25037# 20/40 sand in 336 bbls Lightning 17 frac fluid Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM ISIP 2241 psi Calc flush: 5516 gal Actual flush: 4998 gal
06-05-07	4885-4899'	<b>Frac A1 sands as follows:</b> 59792# 20/40 sand in 485 bbls Lightning 17 frac fluid Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM ISIP 2240 psi Calc flush: 4883 gal Actual flush: 4368 gal
06-05-07	3837-3846'	<b>Frac GB2 sands as follows:</b> 35741# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 1806 w/ avg rate of 24.7 BPM ISIP 2950 psi Calc flush: 3835 gal Actual flush: 3738 gal
12-13-07		Pump Change Updated rod & tubing details
1-30-08		Pump Change Updated rod & tubing details
8-29-08		Pump Change Updated rod & tubing details
1/23/09		Pump Change Updated r & t details
10/05/11		Pump Change Rods & tubing updated



**PERFORATION RECORD**

05-30-07	5630-5642'	4 JSPF	48 holes
06-05-07	5518-5528'	4 JSPF	40 holes
06-05-07	4885-4899'	4 JSPF	96 holes
06-05-07	3837-3846'	4 JSPF	36 holes

**NEWFIELD**

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**Federal 9-22-9-16**  
 2079' FSL & 668' FEL  
 NE/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33175; Lease # UTU-74392

Federal 4-23-9-16

Spud Date: 01-09-08  
 Put on Production: 3-10-08  
 GL: 5716' KB: 5728'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH 7 jts (312.55')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH 133jts (5715.22')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5728.47'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 134'

**TUBING**

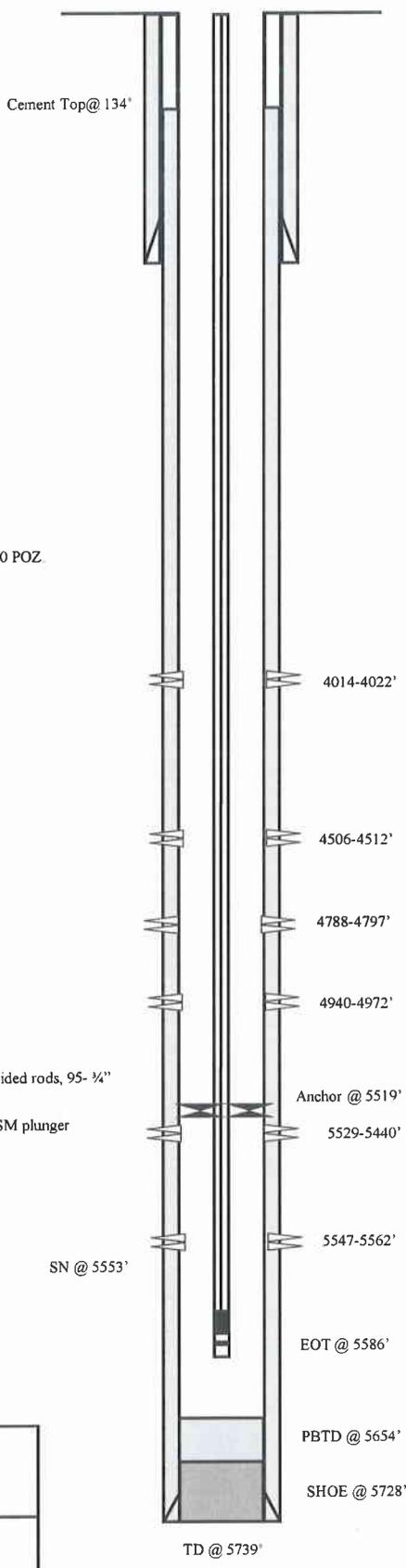
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS 175 jts (5507.16')  
 TUBING ANCHOR: 5519.16'  
 NO. OF JOINTS: 1 jts (31.39')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5553.35' KB  
 NO. OF JOINTS: 1 jts (31.48')  
 TOTAL STRING LENGTH EOT @ 5586.38' w/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6', 1-4' & 1-2' X 3/4" ponies, 100-3/4" guided rods, 95- 3/4" plain rods, 20-3/4" guided rods, 6- 1 1/2" weighted bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12" X 15.5' RHAC pump w/ SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4

**FRAC JOB**

- 2-29-08 5547-5562' **Frac CP4 sands as follows:**  
 Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM ISIP 1970 psi.
- 2-29-08 5429-5440' **Frac CP2 sands as follows:**  
 Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM ISIP 1840 psi.
- 2-29-08 4940-4972' **Frac A1 sands as follows:**  
 Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM ISIP 2105 psi.
- 2-29-08 4788-4797' **Frac B2 sand as follows:**  
 Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM ISIP 1945 psi.
- 2-29-08 4506-4512' **Frac D1 sands as follows:**  
 Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM ISIP 1825 psi.
- 2-29-08 4014-4022' **Frac GB6 sands as follows:**  
 Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM ISIP 1880 psi.



**PERFORATION RECORD**

4014-4022'	4 JSPF	32 holes
4506-4512'	4 JSPF	24 holes
4788-4797'	4 JSPF	36 holes
4940-4972'	4 JSPF	128 holes
5429-5440'	4 JSPF	44 holes
5547-5562'	4 JSPF	60 holes

**NEWFIELD**

**Federal 4-23-9-16**  
 499' FNL & 685' FWL  
 NWNW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33177; Lease #UTU-15855

# Federal 5-23-9-16

Spud Date: 1/17/08  
 Put on Production: 3-5-08  
 GL: 5749' KB: 5761'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311 39')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

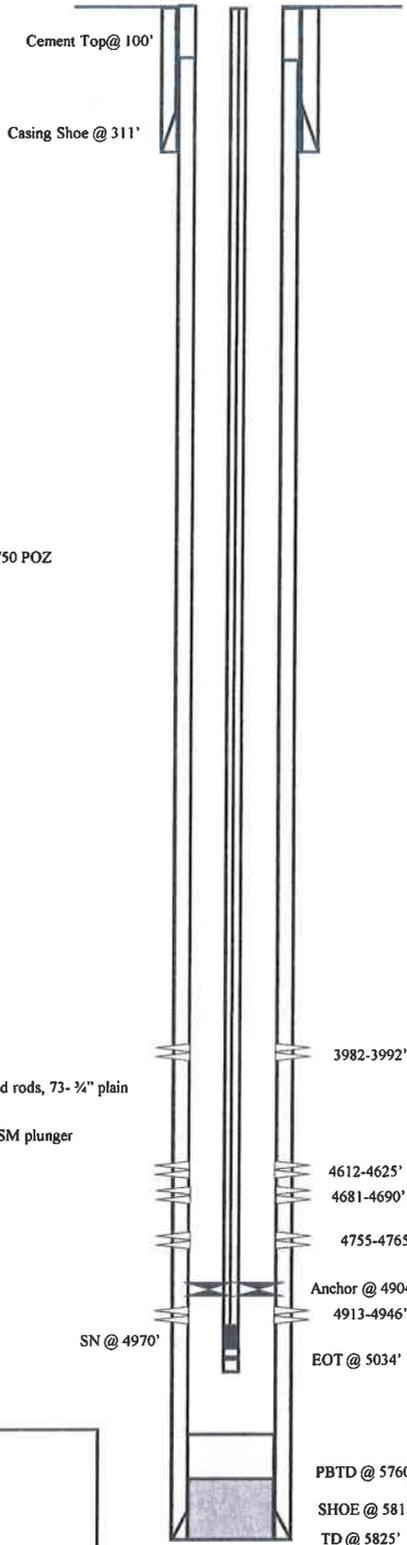
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts (5781 03')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5814 84'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 100'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 154 jts (4892 46')  
 TUBING ANCHOR: 4904 46'  
 NO OF JOINTS: 2 jts (63 04')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4970 31' KB  
 NO OF JOINTS: 2 jts (62 64')  
 TOTAL STRING LENGTH: EOT @ 5034 50' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 99-3/4" guided rods, 73-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' X 19.5' RHAC pump w/ SM plunger  
 STROKE LENGTH: 120"  
 PUMP SPEED, SPM: 4.5



### FRAC JOB

2-27-08	4913-4946'	<b>Frac A1 sands as follows:</b> Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM ISIP 2132 psi
2-27-08	4755-4765'	<b>Frac B2 sands as follows:</b> Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM ISIP 1900 psi
2-27-08	4681-4690'	<b>Frac B.5 sands as follows:</b> Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM ISIP 1943 psi
2-27-08	4612-4625'	<b>Frac C sand as follows:</b> Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM ISIP 2346 psi
2-27-08	3982-3992'	<b>Frac GB6 sands as follows:</b> Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM ISIP 1825 psi
1/24/09		Pump Change Updated r & t details

### PERFORATION RECORD

3982-3992'	4 JSPF	40 holes
4612-4625'	4 JSPF	52 holes
4681-4690'	4 JSPF	36 holes
4755-4765'	4 JSPF	40 holes
4913-4946'	4 JSPF	132 holes



**Federal 5-23-9-16**  
 2125' FNL & 595' FWL  
 SWNW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32960; Lease #UTU-15855

## Jonah Federal 13-14-9-16

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB 5780'

Injection Wellbore  
Diagram

### SURFACE CASING

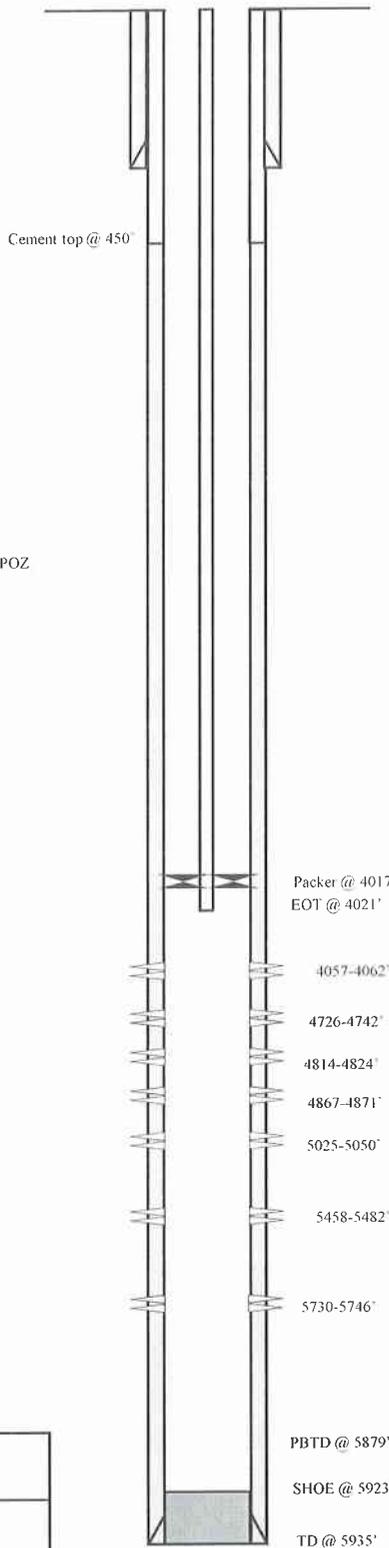
CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (303 95')  
DEPTH LANDED 313 95' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 137 jts (5925 19')  
DEPTH LANDED 5923 19' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 450'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 123 jts (4001 11')  
SN LANDED AT 1 10' @ 4014 21'  
CE @ 4017 51'  
TOTAL STRING LENGTH EOT @ 4021 58' w/12' KB



### FRAC JOB

6-27-05	5730-5746'	<b>Frac CP5 sands as follows:</b> 58406# 20/40 sand in 503 bbls Lightning 17 frac fluid Treated @ avg press of 1678 psi w/avg rate of 25 BPM ISIP 2200 psi Calc flush 5728 gal Actual flush: 5712 gal
6-27-05	5458-5482'	<b>Frac CP1 sands as follows:</b> 78805# 20/40 sand in 609 bbls Lightning 17 frac fluid Treated @ avg press of 1654 psi w/avg rate of 24 7 BPM ISIP 2400 psi Calc flush 5456 gal Actual flush: 5462 gal
6-27-05	5025-5050'	<b>Frac A1/A3 sands as follows:</b> 108479# 20/40 sand in 876 bbls Lightning 17 frac fluid Treated @ avg press of 1560 psi w/avg rate of 24 7 BPM ISIP 2300 psi Calc flush 5023 gal Actual flush: 5082 gal
6-27-05	4814-4871'	<b>Frac B2 &amp; B1 sands as follows:</b> 43548# 20/40 sand in 339 bbls Lightning 17 frac fluid Treated @ avg press of 1606 psi w/avg rate of 24 6 BPM ISIP 2150 psi Calc flush 4812 gal Actual flush: 4872 gal
6-27-05	4726-4742'	<b>Frac C sands as follows:</b> 68949# 20/40 sand in 538 bbls Lightning 17 frac fluid Treated @ avg press of 1590 psi w/avg rate of 24 5 BPM ISIP 2100 psi Calc flush 4724 gal Actual flush: 4704 gal
6-27-05	4057-4062'	<b>Frac GB4 sands as follows:</b> 12976# 20/40 sand in 203 bbls Lightning 17 frac fluid Treated @ avg press of 1956 psi w/avg rate of 24 7 BPM ISIP 1850 psi Calc flush 4055 gal Actual flush: 4704 gal
07/07/06		<b>Pump Change:</b> Updated rod and tbg detail.
01-09-07		<b>Pump Change:</b> Updated rod and tbg detail.
10/20/08		<b>Convert to Injection well</b>
10/24/08		<b>MIT Completed - tbg detail updated</b>

### PERFORATION RECORD

6-22-05	5730-5746'	4 JSPF	64 holes
6-27-05	5458-5482'	4 JSPF	96 holes
6-27-05	5025-5050'	4 JSPF	100 holes
6-27-05	4867-4871'	4 JSPF	16 holes
6-27-05	4814-4824'	4 JSPF	40 holes
6-27-05	4726-4742'	4 JSPF	64 holes
6-27-05	4057-4062'	4 JSPF	20 holes



### Jonah Federal 13-14-9-16

484' FSL & 688' FWL  
SW/SW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32696, Lease #UTU-096547

## Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD.  
 11 MCFD, 59 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

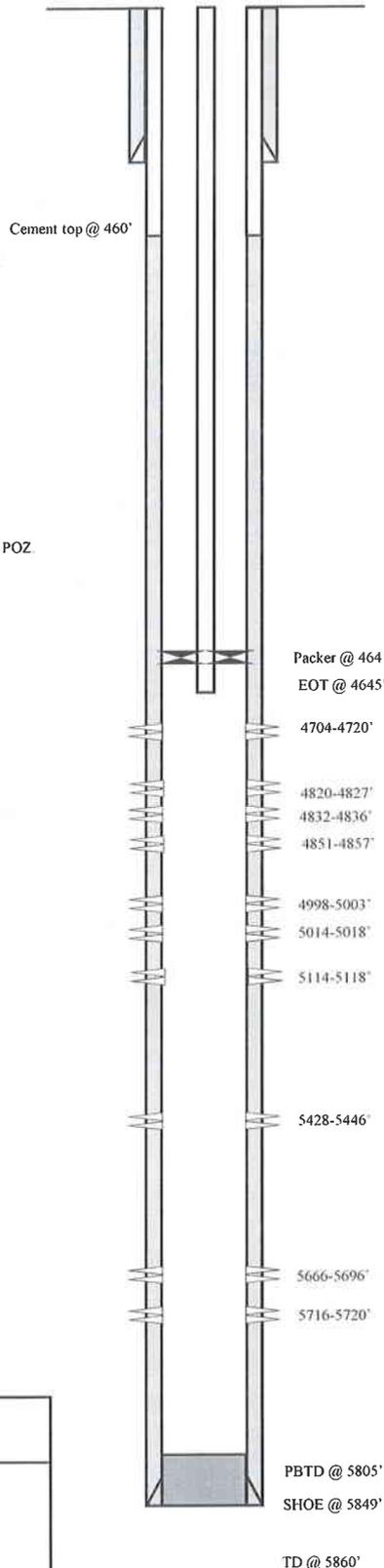
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts ( 302.72 )  
 DEPTH LANDED: 314.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836.02')  
 DEPTH LANDED: 5849.27' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jnts (4436.14')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4636.14' KB  
 TOTAL STRING LENGTH: EOT @ 4644.69' KB



**FRAC JOB**

6-30-05	5666-5696'	<b>Frac CP5 &amp; CP4 sands as follows:</b> 70165# 20/40 sand in 559 bbls Lightning 17 frac fluid Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM ISIP 1800 psi. Calc flush 5664 gal Actual flush 5670 gal
6-30-05	5428-5446'	<b>Frac CPI sands as follows:</b> 57169# 20/40 sand in 486 bbls Lightning 17 frac fluid Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM ISIP 1900 psi. Calc flush 5426 gal Actual flush 5418 gal
7-1-05	4998-5118'	<b>Frac LODC, A1, A3 sands as follows:</b> 34026# 20/40 sand in 343 bbls Lightning 17 frac fluid Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM ISIP 2500 psi. Calc flush 5996 gal Actual flush 4738 gal
7-1-05	4820-4857'	<b>Frac B2 sands as follows:</b> 49623# 20/40 sand in 426 bbls Lightning 17 frac fluid Treated @ ave pressure of 1590 24.5 BPM ISIP 2000 psi. Calc flush 4818 gal Actual flush: 4578 gal
7-1-05	4704-4720'	<b>Frac C sands as follows:</b> 88671# 20/40 sand in 632 bbls Lightning 17 frac fluid 24.5 BPM Treated @ ave pressure of 1714 ISIP 2000 psi. Calc flush 4402 gal Actual flush: 4607 gal
11/14/06		Well converted to an Injection well.
11/21/06		MIT completed and submitted.

**PERFORATION RECORD**

6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes

**NEWFIELD**

**Jonah Federal 9-15-9-16**

1724' FSL & 782' FEL  
 NE/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32683; Lease #UTU-017985

## Jonah Federal 16-15-9-16

Spud Date: 12/28/05  
 Put on Production: 02/02/06  
 GL: 5704' KB: 5716'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315 16')  
 DEPTH LANDED: 327 01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

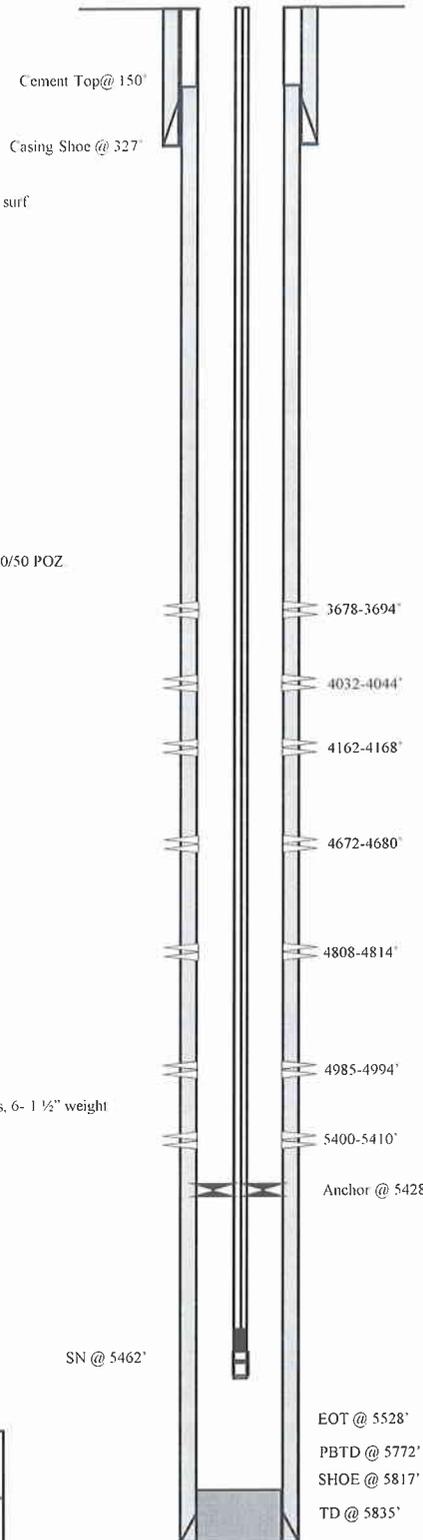
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5818 63')  
 DEPTH LANDED: 5817 88' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem Lite 11 mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 150'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO OF JOINTS: 170 jts (5415 7')  
 TUBING ANCHOR: 5427 7  
 NO OF JOINTS: 1 jts (31 7')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5462.2'  
 NO OF JOINTS: 2 jts (64 4')  
 TOTAL STRING LENGTH: EOT @ 5528'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22"  
 SUCKER RODS: 3-2' x 3/4" pony rods, 212-3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5



### FRAC JOB

01/25/06	5400-5410'	<b>Frac C P1 sands as follows:</b> 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.
01/25/06	4985-4994'	<b>Frac A3 sands as follows:</b> 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.
01/25/06	4808-4814'	<b>Frac B2 sands as follows:</b> 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
01/25/06	4672-4680'	<b>Frac C sands as follows:</b> 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	<b>Frac PB8, GB6 sands as follows:</b> 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	<b>Frac GG sands as follows:</b> 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.

06-26-06 **Parted Rods:** Update rod and tubing details.  
 11-27-06 **Pump Change:** Updated rod and tubing detail  
 9-12-07 **Pump change:** Updated rod & tubing details  
 04/17/08 **Pump change:** Updated rod & tubing details  
 12/11/09 **Tubing leak:** Updated rod and tubing details

### PERFORATION RECORD

01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes



**Jonah Federal 16-15-9-16**

512' FSL & 535' FEL  
 SE/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32754; Lease #UTU-17985

## Jonah 15-15-9-16

Spud Date: 01/07/06  
 Put on Production: 02/07/06  
 GL: 5758' KB: 5770'

Initial Production: BOPD.  
 MCFD. BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.55')  
 DEPTH LANDED: 323.40' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

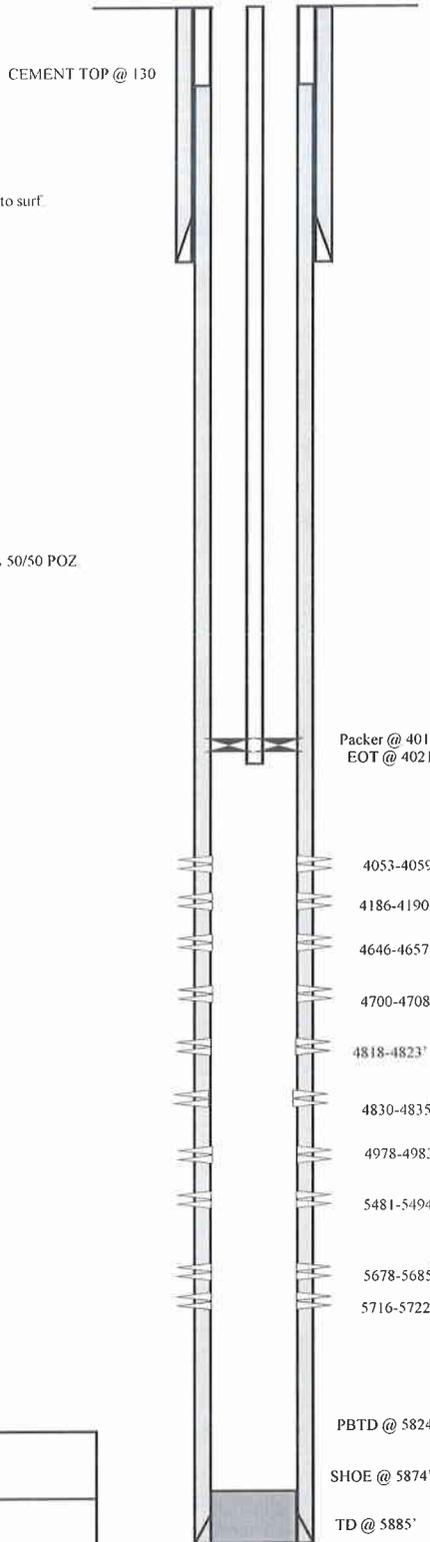
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5874.99')  
 DEPTH LANDED: 5874.24' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP @ 130

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 123 jts (4000.93')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4014.03'  
 TOTAL STRING LENGTH: EOT @ 4021.42'

Injection Wellbore Diagram



### FRAC JOB

01/31/06	5678-5722'	<b>Frac CP4, CP5 sands as follows:</b> 30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal.
01/31/06	5481-5494'	<b>Frac CP2 sands as follows:</b> 50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.
01/31/06	4978-4983'	<b>Frac A3 sands as follows:</b> 19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.
01/31/06	4818-4835'	<b>Frac B2 sands as follows:</b> 25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.
01/31/06	4646-4657'	<b>Frac D3, C, sands as follows:</b> 98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.
02/01/06	4186-4190'	<b>Frac PB7 sands as follows:</b> 19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.
02/01/06	4053-4059'	<b>Frac GB6 sands as follows:</b> 17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.
04/13/07	7/30/07	<b>Pump Change</b> Update Rod & Tubing Pump change. Updated rod & tubing detail.
05-21-08		<b>Workover.</b> Updated rod and tubing detail
10/16/08		<b>Well converted to an Injection well.</b>
10/28/08		<b>MIT completed and submitted.</b>

### PERFORATION RECORD

01/27/06	5716-5722'	4 JSPF	24 holes
01/27/06	5678-5685'	4 JSPF	28 holes
01/31/06	5481-5494'	4 JSPF	52 holes
01/31/06	4978-4983'	4 JSPF	20 holes
01/31/06	4830-4835'	4 JSPF	20 holes
01/31/06	4818-4828'	4 JSPF	20 holes
01/31/06	4700-4708'	4 JSPF	32 holes
01/31/06	4646-4657'	4 JSPF	44 holes
01/31/06	4186-4190'	4 JSPF	16 holes
02/01/06	4053-4059'	4 JSPF	24 holes



**Jonah 15-15-9-16**  
 421' FSL & 1864' FEL  
 SW/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32753; Lease #UTU-17985

# Jonah Fed Q-14-9-16

Spud Date 12/6/2008  
 Put on Production 1/26/2009  
 GL: 5760' KB: 5772'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (315')  
 DEPTH LANDED 327 16' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sx class 'g'

**PRODUCTION CASING**

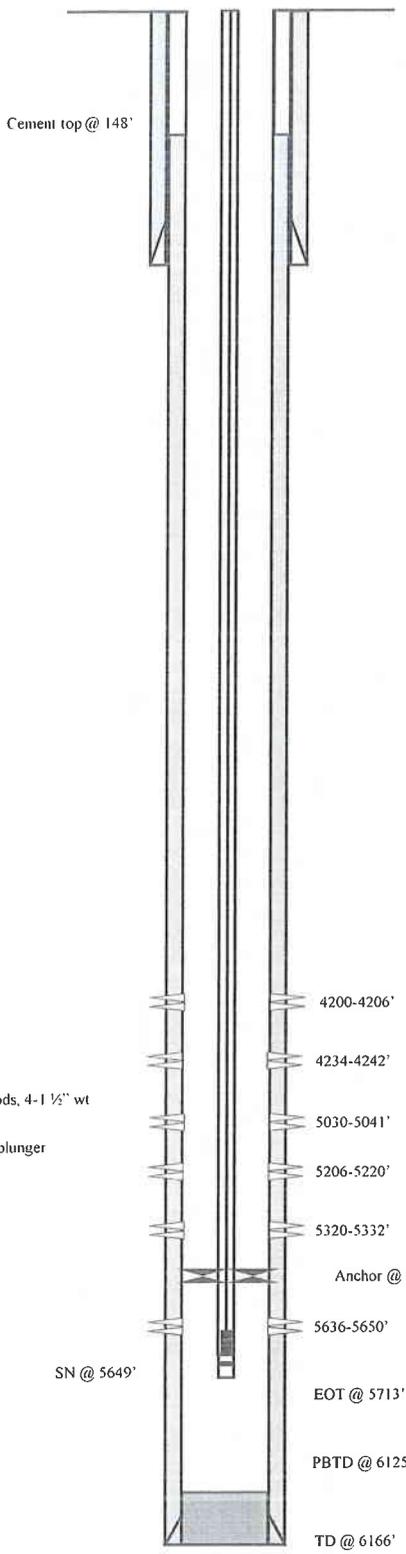
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 160 jts (6351.71')  
 DEPTH LANDED 6164 10'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 275 sx primlite and 400 sx 50/50 poz  
 CEMENT TOP AT 148'

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 179 jts (5602 17')  
 TUBING ANCHOR 5614 17' KB  
 NO OF JOINTS 1 jt (31 10')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5649 07' KB  
 NO OF JOINTS 2 jts (63 21')  
 TOTAL STRING LENGTH EOT @ 5712 73'

**SUCKER RODS**

POLISHED ROD 1 1/2" x 26'  
 SUCKER RODS 2', 2', 6' x 7/8" ponies, 221-7/8" scraped rods, 4-1 1/2" wt bars, shear coupling #21,000  
 PUMP SIZE CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
 STROKE LENGTH 122"  
 PUMP SPEED, SPM 4



**FRAC JOB**

1/14/09 5636-5650' RU BJ & frac CPI sds as follows:  
 50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2289 Actual flush 5170 gals

1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:  
 40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid Treated @ ave pressure of 3291 @ ave rate of 26 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2861 Actual flush 4876 gals

1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:  
 55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2459 Actual flush 4741 gals

1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:  
 40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 1987 Actual flush 4523 gals

1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:  
 38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand ISIP was 2122 Actual flush 4116 gals

8/5/09 Parted rods Updated rod & tubing detail

**PERFORATION RECORD**

Date	Interval	Tool	Holes
1/15/09	4200-4206'	4 JSPF	24 holes
1/15/09	4234-4242'	4 JSPF	32 holes
1/14/09	5030-5041'	4 JSPF	44 holes
1/14/09	5206-5220'	4 JSPF	56 holes
1/15/09	5320-5332'	4 JSPF	48 holes
1/15/09	5636-5650'	4 JSPF	56 holes



**Jonah Q-14-9-16**  
 478' FSL & 703' FWL  
 SW/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-34041; Lease # UTU-096547

# Federal 6-22-9-16

Spud Date: 3-13-08  
 Put on Production: 5-6-08  
 GL: 5913' KB: 5925'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (290 93')  
 DEPTH LANDED 302 78' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

Cement top @ 196'

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 141 jts (5933 60')  
 DEPTH LANDED 5904' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 196'

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 168 jts (5278 14')  
 TUBING ANCHOR 5290 14' KB  
 NO. OF JOINTS 2 jts (63 11')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5356.05' KB  
 NO OF JOINTS 1 jts (31.47')  
 TOTAL STRING LENGTH EOT @ 5583 08' KB

### SUCKER RODS

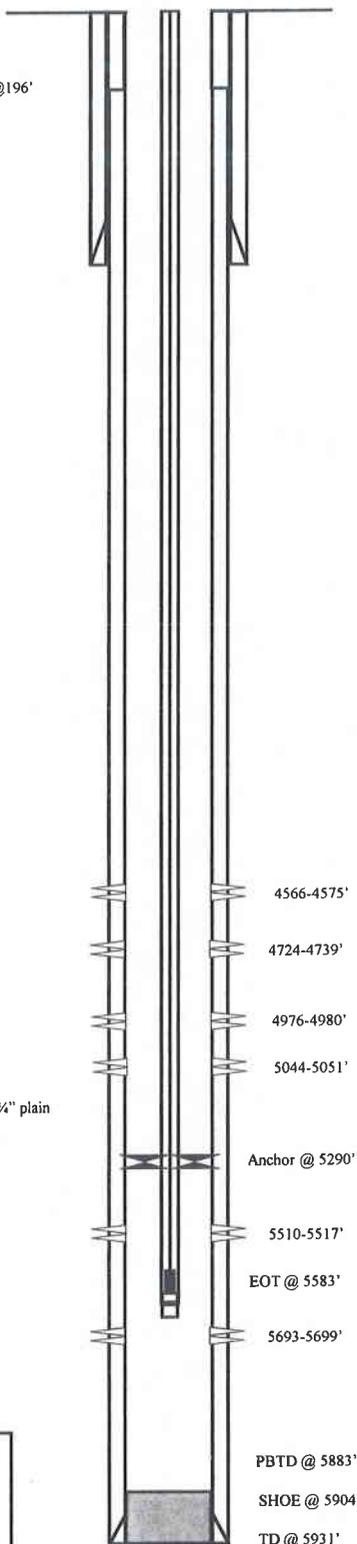
POLISHED ROD 1-1/2" x 26' SM  
 SUCKER RODS 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger  
 STROKE LENGTH 86"  
 PUMP SPEED, SPM 5 SPM

### FRAC JOB

04-30-08	5693-5699'	<b>Frac CP4 sands as follows:</b> 16361# 20/40 sand in 302 bbls Lightning 17 frac fluid Treated @ avg press of 2441 psi w/avg rate of 23 2 BPM ISIP 2055 psi Calc flush 5691 gal Actual flush 5250 gal
04-30-08	5510-5517'	<b>Frac CP2 sands as follows:</b> 15257# 20/40 sand in 279 bbls Lightning 17 frac fluid Treated @ avg press of 2046 psi w/avg rate of 23 2 BPM ISIP 1762 psi Calc flush 5508 gal Actual flush 4998 gal
04-30-08	4976-5051'	<b>Frac A3, &amp; A1 sands as follows:</b> 14997# 20/40 sand in 235 bbls Lightning 17 frac fluid Treated @ avg press of 2158 psi w/avg rate of 23 2 BPM ISIP 1884 psi Calc flush 4974 gal Actual flush 4494 gal
4-30-08	4724-4739'	<b>Frac C sands as follows:</b> 115315# 20/40 sand in 825 bbls Lightning 17 frac fluid Treated @ avg press of 1876 w/ avg rate of 23 2 BPM ISIP 2044 psi Calc flush 4722 gal Actual flush: 4242 gal
04-30-08	4566-4575'	<b>Frac D1 sands as follows:</b> 40206# 20/40 sand in 394 bbls Lightning 17 frac fluid Treated @ avg press of 1832 w/ avg rate of 23 2 BPM ISIP 1850 psi Calc flush 4564 gal Actual flush 4452 gal

### PERFORATION RECORD

04-24-08	5693-5699'	4 JSPF	24 holes
04-30-08	5510-5517'	4 JSPF	28 holes
04-30-08	5044-5051'	4 JSPF	28 holes
04-30-08	4976-4980'	4 JSPF	16 holes
04-30-08	4724-4739'	4 JSPF	60 holes
04-30-08	4566-4575'	4 JSPF	36 holes



4566-4575'  
 4724-4739'  
 4976-4980'  
 5044-5051'  
 Anchor @ 5290'  
 5510-5517'  
 EOT @ 5583'  
 5693-5699'  
 PBTD @ 5883'  
 SHOE @ 5904'  
 TD @ 5931'

**NEWFIELD**

**Federal 6-22-9-16**

2340' FNL & 2060' FWL  
 SE/NW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33026; Lease # UTU-34379

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293 76')  
DEPTH LANDED: 305 61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 525 sxs 50/50 POZ.  
CEMENT TOP: 39'

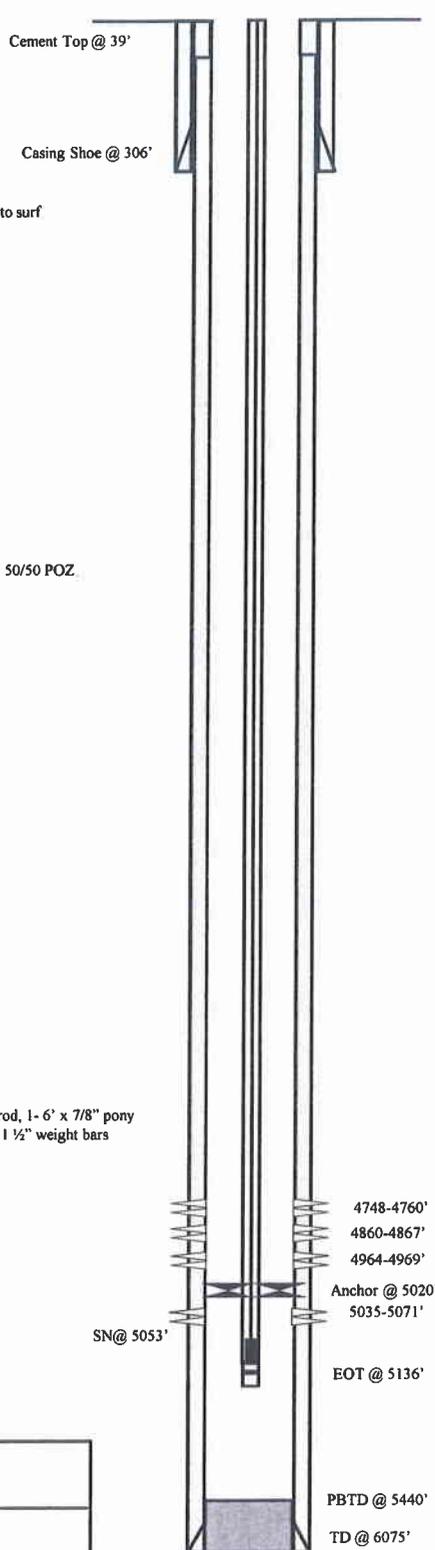
## TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 162 jts (4993 8')  
TUBING ANCHOR: 5005 8' KB  
NO OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5072 8'  
NO OF JOINTS: 2 jts (61 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197- 7/8" guided rods (8 per), 4-3' x 1" pony rods, 4- 1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20'RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid Treated @ avg press of 1851 psi w/avg rate of 24 8 BPM ISIP 2081 psi Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid Treated @ avg press of 2605 psi w/avg rate of 24 8 BPM ISIP 1909 psi Calc flush: 4962 gal. Actual flush: 4456 gal
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid Treated @ avg press of 2130 psi w/avg rate of 24 8 BPM ISIP 1925 psi Calc flush: 4858 gal Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 4181# 20/40 sand in 406 bbls Lightning 17 frac fluid Treated @ avg press of 2620 psi w/avg rate of 24 8 BPM ISIP 2235 psi Calc flush: 4746 gal Actual flush: 4662 gal
6/17/08		parted rods Updated rod and tubing detail
11/19/08		Pump Change Updated rod & tubing details
2/13/09		Tubing Leak Updated r & t details
6/18/2010		Tubing leak Updated rod and tubing detail

## PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes

**NEWFIELD**

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**FEDERAL 16-22-9-16**

2068'FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

# JONAH P-14-9-16

Spud Date: 10/19/2010

PWOP: 12/14/2010

GL: 5707' KB: 5719'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH 8 jts (336.56')  
 DEPTH LANDED: 346.41' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 180 sxs Class "G" cmt

### PRODUCTION CASING

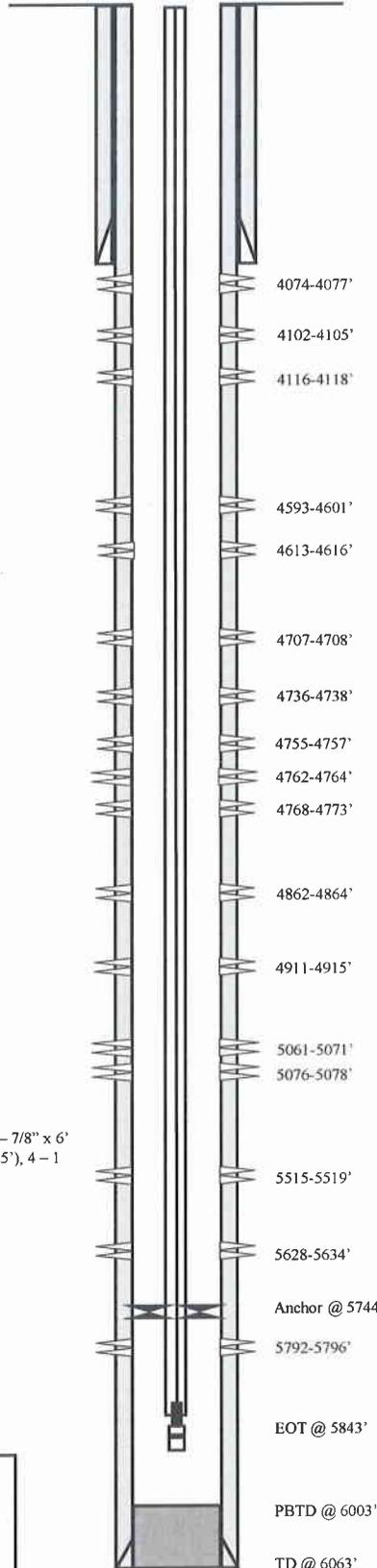
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT: 15.5#  
 LENGTH 143 jts (6034.18')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6047.43' KB  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 430 sxs 50/50 POZ.  
 CEMENT TOP AT: 50'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 187 jts (5744.2')  
 TUBING ANCHOR: 5744.2' KB  
 NO OF JOINTS: 1 jt (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5778.4' KB  
 NO OF JOINTS: 2 jts (62.8')  
 NOTCHED COLLAR: 5842.3' KB  
 TOTAL STRING LENGTH: EOT @ 5843'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1/2" Sinker Bars (100')  
 PUMP SIZE 2 1/2" x 1 3/4" x 21' x 24' RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM



### FRAC JOB

11/30/2010	5515-5796'	<b>Frac CP1, CP3 &amp; CP5, sands as follows:</b> Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover.
12/08/2010	5061-5078'	<b>Frac A1, sands as follows:</b> Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover.
12/08/2010	4862-4915'	<b>Frac B1 &amp; B2, sands as follows:</b> Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover.
12/08/2010	4707-4773'	<b>Frac C &amp; D3, sands as follows:</b> Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover.
12/08/2010	4593-4616'	<b>Frac D1, sands as follows:</b> Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover.
12/08/2010	4074-4118'	<b>Frac GB4 &amp; GB6, sands as follows:</b> Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover.

### PERFORATION RECORD

5792-5796'	3 JSPF	12 holes
5628-5634'	3 JSPF	18 holes
5515-5519'	3 JSPF	12 holes
5076-5078'	3 JSPF	6 holes
5061-5071'	3 JSPF	30 holes
4911-4915'	3 JSPF	12 holes
4862-4864'	3 JSPF	6 holes
4768-4773'	3 JSPF	15 holes
4762-4764'	3 JSPF	6 holes
4755-4757'	3 JSPF	6 holes
4736-4738'	3 JSPF	6 holes
4707-4708'	3 JSPF	3 holes
4613-4616'	3 JSPF	9 holes
4593-4601'	3 JSPF	24 holes
4116-4118'	3 JSPF	6 holes
4102-4105'	3 JSPF	9 holes
4074-4077'	3 JSPF	9 holes

## NEWFIELD



### Jonah P-14-9-16

513' FSL & 510' FEL (SE/SE)  
 Section 14, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-.34124; Lease # UTU-017985

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **SWDIF**  
 Sample Point: **After production filter**  
 Sample Date: **12/9/2011**  
 Sample ID: **WA-204150**

Sales Rep: **Darren Betts**  
 Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/9/2011	Sodium (Na):	6799.09	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	26.10	Sulfate (SO4):	2.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	9.40	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	26.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	24.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.47	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	17913.62	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.70	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.06	Silica (SiO2):	0.00
H2S in Water (mg/L):	10.00				

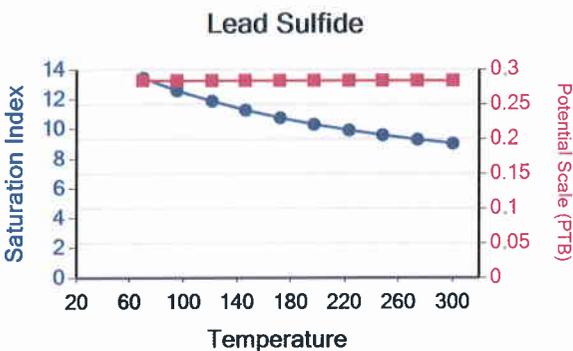
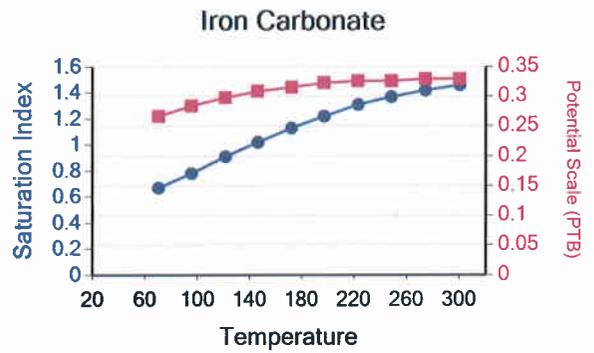
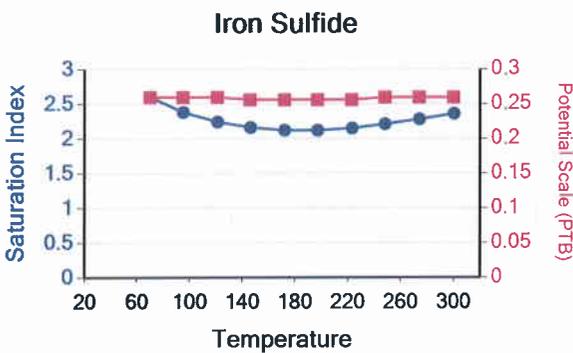
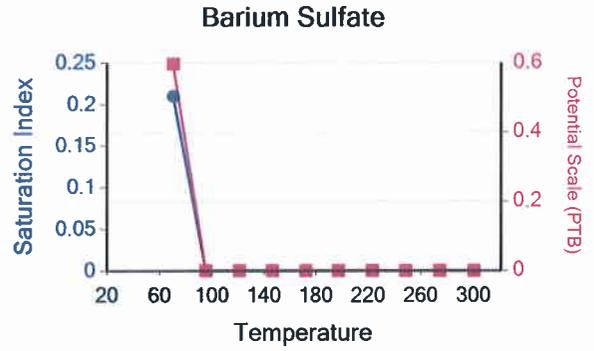
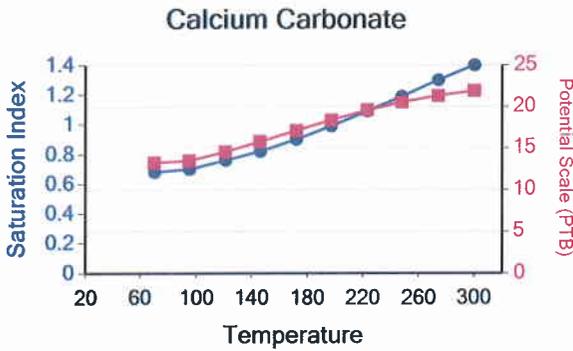
Notes:

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Temp (°F)	PSI	Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide



Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FEDERAL 1-22-9-16**  
Sample Point: **Treater**  
Sample Date: **3/20/2012**  
Sample ID: **WA-210167**

Sales Rep: **Darren Betts**  
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	3/29/2012	Sodium (Na):	9449.63	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	39.50	Sulfate (SO <sub>4</sub> ):	310.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	2.20	Bicarbonate (HCO <sub>3</sub> ):	7637.20
System Temperature 2 (°F):	70.00	Calcium (Ca):	11.40	Carbonate (CO <sub>3</sub> ):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH <sub>3</sub> COO)	0.00
Calculated Density (g/ml):	1.02	Barium (Ba):	1.20	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	0.00
pH:	9.80	Iron (Fe):	22.90	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	0.00
Calculated TDS (mg/L):	27475.73	Zinc (Zn):	0.70	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	0.00
CO <sub>2</sub> in Gas (%):	0.00	Lead (Pb):	0.30	Fluoride (F):	0.00
Dissolved CO <sub>2</sub> (mg/L):	0.00	Ammonia NH <sub>3</sub> :	0.00	Bromine (Br):	0.00
H <sub>2</sub> S in Gas (%):	0.00	Manganese (Mn):	0.70	Silica (SiO <sub>2</sub> ):	0.00
H <sub>2</sub> S in Water (mg/L):	25.00				

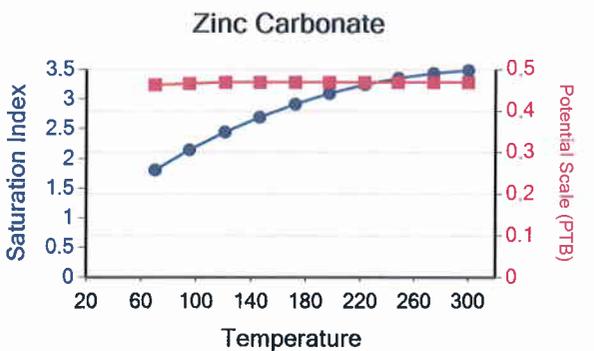
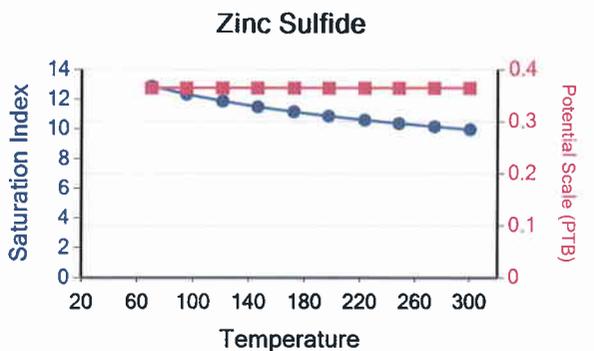
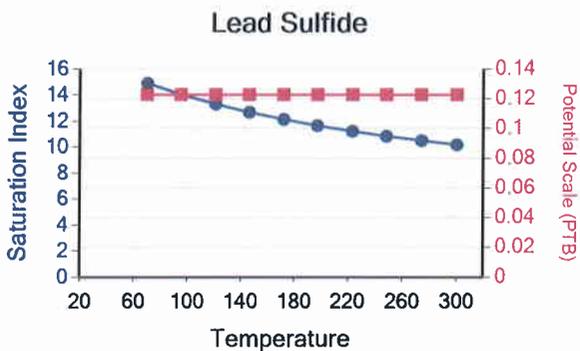
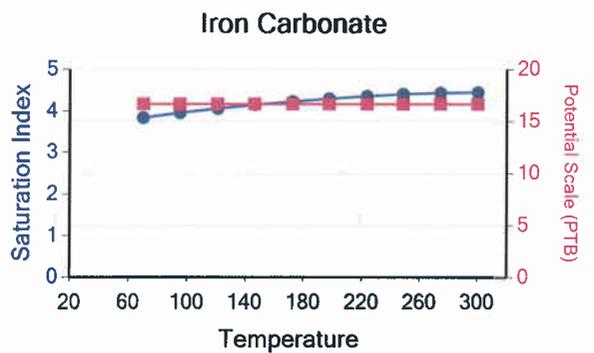
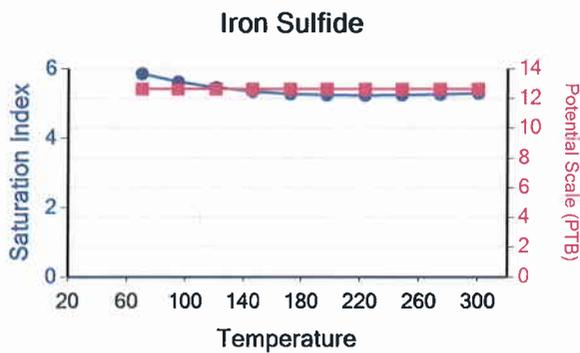
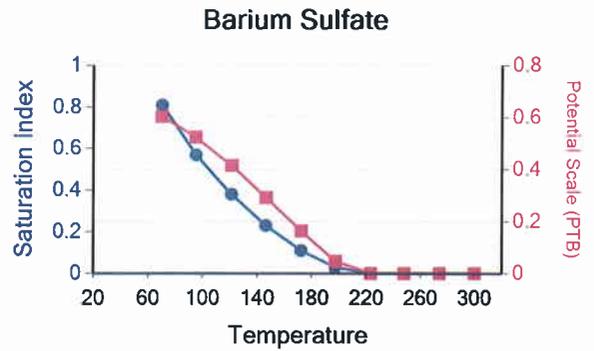
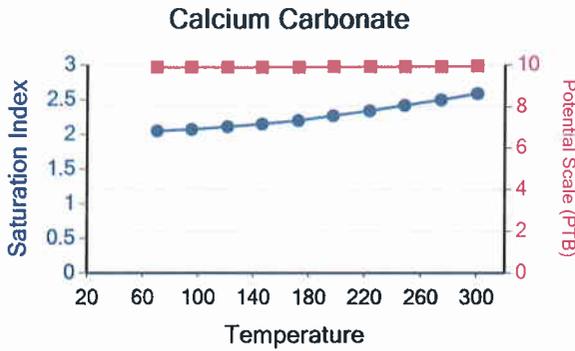
Notes:

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	2.05	9.89	0.81	0.60	5.86	12.64	3.84	16.65	0.00	0.00	0.00	0.00	0.00	0.00	12.88	0.36
95	346	2.07	9.89	0.57	0.52	5.63	12.64	3.96	16.65	0.00	0.00	0.00	0.00	0.00	0.00	12.35	0.36
121	678	2.11	9.90	0.38	0.41	5.46	12.64	4.06	16.65	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.36
146	1009	2.15	9.91	0.23	0.29	5.35	12.64	4.15	16.65	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.36
172	1341	2.20	9.92	0.11	0.16	5.28	12.64	4.23	16.65	0.00	0.00	0.00	0.00	0.00	0.00	11.17	0.36
197	1673	2.27	9.93	0.03	0.05	5.25	12.64	4.30	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.88	0.36
223	2004	2.34	9.93	0.00	0.00	5.24	12.64	4.36	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.62	0.36
248	2336	2.42	9.94	0.00	0.00	5.25	12.64	4.41	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.36
274	2668	2.50	9.95	0.00	0.00	5.27	12.64	4.44	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.18	0.36
300	3000	2.59	9.95	0.00	0.00	5.30	12.64	4.45	16.65	0.00	0.00	0.00	0.00	0.00	0.00	9.98	0.36

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.46	14.92	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.47	14.06	0.12	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.47	13.32	0.12	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.47	12.69	0.12	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.47	12.14	0.12	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.47	11.66	0.12	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	3.25	0.47	11.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	3.36	0.47	10.85	0.12	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	3.44	0.47	10.51	0.12	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	3.49	0.47	10.19	0.12	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide



Attachment "G"

Federal #1-22-9-16  
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5410	5422	5416	2130	0.83	2095
4718	4730	4724	1900	0.84	1869 ←
4002	4007	4005	2080	0.95	2054
				<b>Minimum</b>	<u><u>1869</u></u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf})) / \text{Top Perf}$ .

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16 Report Date: 1-12-06 Day: 01

Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: CP2 sds, 5410-5422', 4/48

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jan-06 SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5790' & cement top @ 120'. Perforate stage #1, CP2 sds @ 5410-5422' w/ 4" Port guns (19 gram, .46"HE. 120 ) w/ 4 spf for total of 48 shots. 138 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 138 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Table with 2 columns: Item, Cost. Items include Engineered Equip. Inc. (\$400), NPC NU crew (\$300), NDSI trucking (\$500), Perforators LLC (\$5,638), Drilling cost (\$293,215), D&M Hot Oil (\$300), Location preparation (\$300), NPC wellhead (\$1,500), Benco - anchors (\$1,200), Admin. Overhead (\$3,000), NPC Supervisor (\$300)

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$306,653

TOTAL WELL COST: \$306,653



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** 17-Jan-06      **Day:** 2a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBTD:** 5790'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<b>CP2 sds</b>	<b>5410-5422'</b>	<b>4/48</b>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 16-Jan-06      **SITP:** \_\_\_\_\_ **SICP:** 0 psi

**Day 2a.**

RU BJ's "Ram head". RU BJ Services. 0 psi on well. Frac CP2 sds w/ 45,584#'s of 20/40 sand in 483 bbls of Lightning 17 fluid. Broke @ 2180 psi. Treated w/ ave pressure of 2087 psi @ ave rate of 25 BPM. ISIP 2130 psi. Leave pressure on well. 621 BWTR. **See Day 2b.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 138      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 483      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 621      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** CP2 sands

- 4600 gals of pad
- 3218 gals W/ 1-4 ppg of 20/40 sand
- 6420 gals W/ 4-6.5 ppg of 20/40 sand
- 743 gals W/ 6.5 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4788 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

**Max TP:** 2342      **Max Rate:** 25.3 BPM      **Total fluid pmpd:** 483 bbls  
**Avg TP:** 2087      **Avg Rate:** 25 BPM      **Total Prop pmpd:** 45,584#'s  
**ISIP:** 2130      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .83  
**Completion Supervisor:** Orson Barney

### COSTS

Engineered Equip. Inc.	\$70
BJ Services-CP2	\$22,811
NPC & Betts frac wtr	\$828
NPC fuel gas	\$138
Weatherford tool/serv	\$950
NPC Supervisor	\$100
NPC trucking	\$400

**DAILY COST:** \$25,297  
**TOTAL WELL COST:** \$331,950



3 of 7

DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16 Report Date: 17-Jan-06 Day: 2b  
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4900'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B1 sds	4718- 4730'	4/48			
B2 sds	4768- 4786'	4/72			
CP2 sds	5410-5422'	4/48			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06 SITP: \_\_\_\_\_ SICP: 1405 psi

Day 2b.  
 RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug, 12' & 18' (3 1/8") perf guns Set plug @ 4900'. Perforate B2 sds @ 4768- 86', B1 sds @ 4718- 30'. All 4 SPF for a total of 120 holes (2 runs). RL BJ Services. 1405 psi on well. Frac B2 & B1 sds w/ 124,027#'s of 20/40 sand in 851 bbls of Lightning 17 fluid. Broke @ 1727 psi. Treated w/ ave pressure of 1490 psi @ ave rate of 24.9 BPM. ISIP 1900 psi. Leave pressure on well 1472 BWTR. See Day 2c.

FLUID RECOVERY (BLS)

Starting fluid load to be recovered: 621 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 851 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1472 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: B1&2 sands

COSTS

Engineered Equip. Inc.	\$70
BJ Services-B1&2	\$27,916
NPC & Betts frac wtr	\$2,304
NPC fuel gas	\$384
Weatherford tool/serv	\$2,450
Lone Wolf WL	\$8,188
NPC Supervisor	\$100

- 9400 gals of pad
- 6319 gals W/ 1-5 ppg of 20/40 sand
- 12622 gals W/ 5-8 ppg of 20/40 sand
- 2773 gals W/ 8 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4116 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 1744 Max Rate: 25.6 BPM Total fluid pmpd: 851 bbls  
 Avg TP: 1490 Avg Rate: 24.9 BPM Total Prop pmpd: 124,027#'s  
 ISIP: 1900 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .83

Completion Supervisor: Orson Barney

DAILY COST: \$41,412  
 TOTAL WELL COST: \$373,362



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** 17-Jan-06      **Day:** 2c  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBTD:** 5790'WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4110'  
**BP:** 4900'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 16-Jan-06      **SITP:** \_\_\_\_\_      **SICP:** 1670 psi

**Day 2c.**  
 RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug & 5' (3 1/8") perf guns. Set plug @ 4110'. Perforate GB6 sds @ 4002- 07'. All 4 SPF for a total of 20 holes. RU BJ Services. 1670 psi on well Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. Frac GB6 sds w/ 23,163#'s of 20/40 sand in 305 bbls of Lightning 17 fluid. Broke @ 4080 psi. Treated w/ ave pressure of 1785 ps @ ave rate of 14.5 BPM. ISIP 2080 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 6 hrs 8 died. Rec. 346 BTF, Light oil & gas at end of flowback (21% of total frac load). 1431 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1472      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 41      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1431      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services

**Procedure or Equipment detail:**      **GB6 sands**  
798 gals to breakdown & get crosslink.  
2500 gals of pad  
1915 gals W/ 1-4 ppg of 20/40 sand  
3733 gals W/ 4-6.5 ppg of 20/40 sand  
Flush W/ 3877 gals of slick water  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

<u>Engineered Equip. Inc.</u>	<u>\$70</u>
<u>BJ Services-GB6</u>	<u>\$10,568</u>
<u>NPC &amp; Betts frac wtr</u>	<u>\$468</u>
<u>NPC fuel gas</u>	<u>\$78</u>
<u>Weatherford tool/serv</u>	<u>\$2,450</u>
<u>Lone Wolf WL</u>	<u>\$1,365</u>
<u>NPC Supervisor</u>	<u>\$100</u>
<u>NPC/Betts wtr transfer</u>	<u>\$400</u>
<u>Unichem chemicals</u>	<u>\$350</u>
<u>Wtr disposal/trucking</u>	<u>\$400</u>
<u>NPC flowback hand</u>	<u>\$300</u>

**Max TP:** 1828      **Max Rate:** 14.6 BPM      **Total fluid pmpd:** 305 bbls  
**Avg TP:** 1785      **Avg Rate:** 14.5 BPM      **Total Prop pmpd:** 23,163#'s  
**ISIP:** 2080      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .95

**Completion Supervisor:** Orson Barney

**DAILY COST:** \$16,549  
**TOTAL WELL COST:** \$389,911



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** Jan. 18, 2006      **Day:** 03  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBDT:** 5790'WL  
**Tbg:** **Size:** 2 7/8    **Wt:** 6.5#    **Grd:** J-55    **Pkr/EOT @:** 5619'    **BP/Sand PBDT:** 5684'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Jan. 17, 2006      **SITP:** \_\_\_\_\_      **SICP:** 25

MIRU NC #3. Thaw wellhead & frac valve W/ HO truck. Bleed pressure off well. Rec est 5 BTF. ND frac valve & 5W frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ usec Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag plug @ 4110'. Tbg displaced 10 BW or TIH. RU power swivel. C/O sd & drill out composite bridge as follows (using conventional circulation): no sd, plug @ 4110' in 40 minutes; sd @ 4703', plug @ 4900' in 35 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5430'. Drill plug remains & sd to 5684'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5619'. SIFN W/ est 1416 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1431      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 15      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1416      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_    **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

NC #3 rig	\$4,978
Weatherford BOP	\$140
D & M HO truck	\$200
NDSI trucking	\$1,400
NDSI wtr & truck	\$400
NPC trucking	\$300
Four Star swivel	\$750
Aztec - new J55 tbg	\$29,251
NPC sfc equipment	\$130,000
R & T labor/welding	\$19,500
Mt. West sanitation	\$550
Monks pit reclaim	\$1,800
NPC supervision	\$300
<b>DAILY COST:</b>	<b>\$189,569</b>
<b>TOTAL WELL COST:</b>	<b>\$579,480</b>

**Max TP:** \_\_\_\_\_    **Max Rate:** \_\_\_\_\_    **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_    **Avg Rate:** \_\_\_\_\_    **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_    **5 min:** \_\_\_\_\_    **10 min:** \_\_\_\_\_    **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** Jan. 19, 2006      **Day:** 04  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBTD:** 5824'  
**Tbg:** **Size:** 2 7/8      **Wt:** 6.5#      **Grd:** J-55      **Anchor @:** 5403'      **BP/Sand PBTD:** 5824'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Jan. 18, 2006      **SITP:** 0      **SICP:** 0

Thaw wellhead, BOP & tbg stump W/ HO truck. TIH W/ bit & tbg f/ 5619'. Tag fill @ 5676'. PU swivel. Finish C/O sc to PBTD @ 5824'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5728'. RU swab equipment. IFL @ sfc Made 10 swb runs rec 111 BTF W/ light gas, tr oil & no sand. FFL @ 1500'. TIH W/ tbg. Tag fill @ 5820' (4' new fill) C/O sd to PBTD @ 5684'. Circ hole W/ clean wtr. Lost est 45 BW & rec tr oil. LD excess tbg. TOH W/ tbg--LD bit TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 170 jts 2 7/8 8rc 6.5# J-55 tbg. ND BOP. Set TA @ 5403' W/ SN @ 5437' & EOT @ 5502'. Land tbg W/ 15,000# tension. NL wellhead. SIFN W/ est 1350 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1416      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 66      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1350      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** sfc      **FFL:** 1500'      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** tr

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_      **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

NC #3 rig	\$4,496
Weatherford BOP	\$140
D & M HO truck	\$200
Four Star swivel	\$750
NPC location cleanup	\$300
NPC wtr disposal	\$3,000
CDI TA	\$525
CDI SN	\$80
NPC supervision	\$300
_____	_____
_____	_____

**Max TP:** \_\_\_\_\_      **Max Rate:** \_\_\_\_\_      **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_      **Avg Rate:** \_\_\_\_\_      **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$9,791

**TOTAL WELL COST:** \$589,271

# NEWFIELD



# ATTACHMENT G-1

7 of 7

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** Jan. 20, 2006      **Day:** 05  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBDT:** 5824'  
**Tbg:** Size: 2 7/8    Wt: 6.5#    **Grd:** J-55    **Anchor @:** 5403'    **BP/Sand PBDT:** 5824'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Jan. 19, 2006      **SITP:** 0      **SICP:** 0

Thaw wellhead W/ HO truck. PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 15 RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 101-3/4" plain rods, 100-3/4" scraped rods, 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1350 BWTR.

**Place well on production @ 1:00 PM 1/19/2006 W/ 64" SL @ 6 SPM.**  
**FINAL REPORT!!**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1350      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1350      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut: tr** \_\_\_\_\_

<u>TUBING DETAIL</u>		<u>ROD DETAIL</u>	<u>COSTS</u>	
			NC #3 rig	\$2,364
KB	<u>12.00'</u>	<u>1 1/2" X 22' polished rod</u>	Zubiate HO truck	\$400
170	<u>2 7/8 J-55 tbg (5390.82')</u>	<u>1-4' &amp; 1-2' X 3/4" pony rods</u>	NPC trucking	\$300
	<u>TA (2.80' @ 5402.82' KB)</u>	<u>100-3/4" scraped rods</u>	CDI rod pump	\$1,325
1	<u>2 7/8 J-55 tbg (31.80')</u>	<u>101-3/4" plain rods</u>	"B" grade rod string	\$8,947
	<u>SN (1.10' @ 5437.42' KB)</u>	<u>10-3/4" scraped rods</u>	NPC frac tks(5X5 dys)	\$1,000
2	<u>2 7/8 J-55 tbg (63.20')</u>	<u>6-1 1/2" weight rods</u>	NPC swb tk (3 dys)	\$120
	<u>2 7/8 NC (.45')</u>	<u>CDI 2 1/2" X 1 1/2" X 15'</u>	NPC frac head	\$500
EOT	<u>5502.17' W/ 12' KB</u>	<u>RHAC pump W/ SM plunger</u>	NPC supervision	\$300
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**DAILY COST:** \$15,256  
**TOTAL WELL COST:** \$604,527

**Completion Supervisor:** Gary Dietz

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3952'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 175' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 377'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

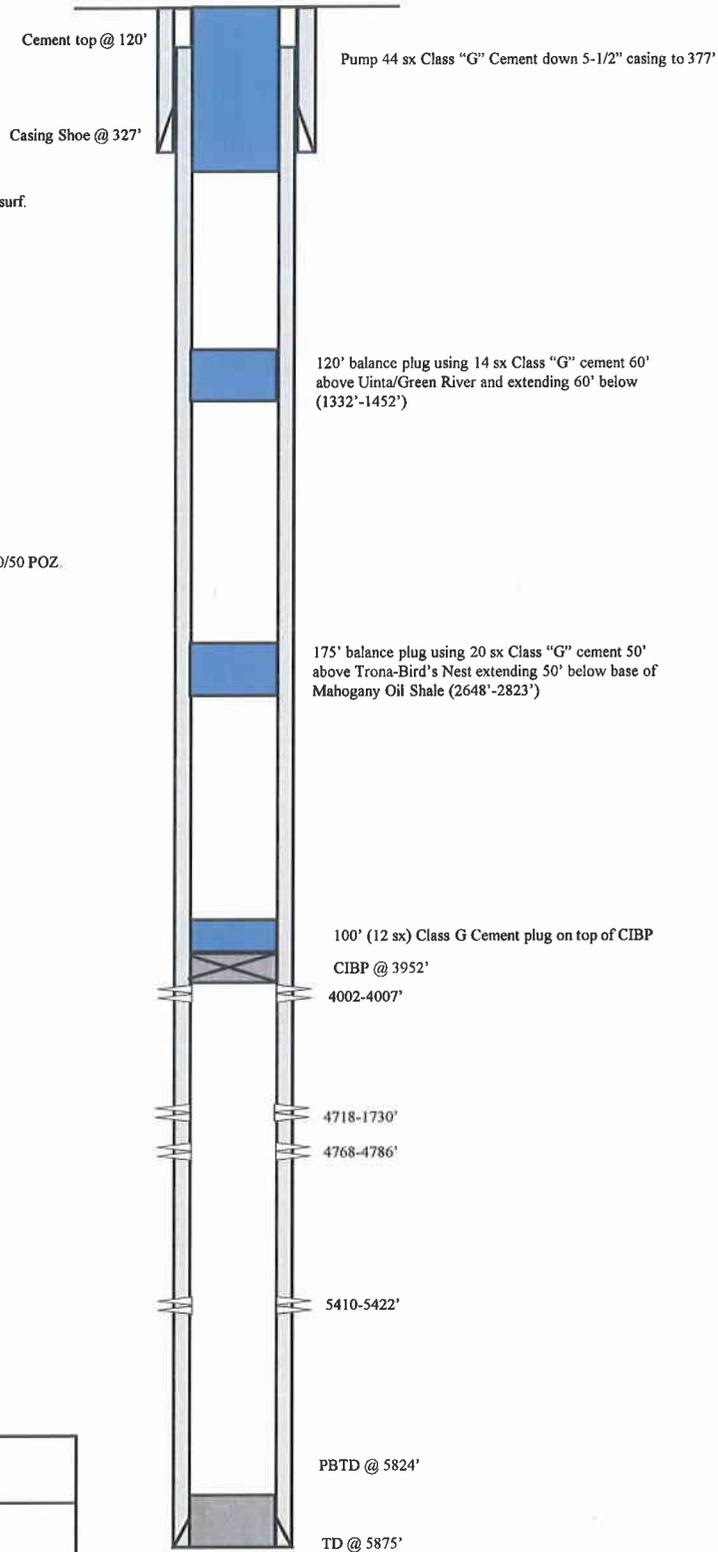
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'




<p><b>Federal 1-22-9-16</b>                  887' FNL &amp; 963' FEL                  NE/NE Section 22-T9S-R16E                  Duchesne Co, Utah                  API #43-013-32612; Lease #UTU-74392</p>



July 19, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 1-22-9-16, 13-9-9-18, 14-9-9-18,  
and 15-9-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 1-22-9-16 is an Exception Location. I have notified our office in Denver and they will send you the Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**

**JUL 20 2004**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-74392

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA Agreement, Name and No.  
N/A

8. Lease Name and Well No.  
Federal 1-22-9-16

9. API Well No.  
43-013-32612

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/NE Sec. 22, T9S R16E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work:  DRILL  REENTER

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
Inland Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/NE 903' FNL 824' FEL 576944X 40.02111  
At proposed prod. zone 4430280Y -110.09834

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 18.8 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 417' f/lse, NA f/unit  
NA

16. No. of Acres in lease  
2080.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
NA

19. Proposed Depth  
6500'

20. BLM/BIA Bond No. on file  
UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5740' GL

22. Approximate date work will start\*  
1st Quarter 2005

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 7/19/04

Title Regulatory Specialist  
Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 10-18-04  
Title ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

JUL 20 2004

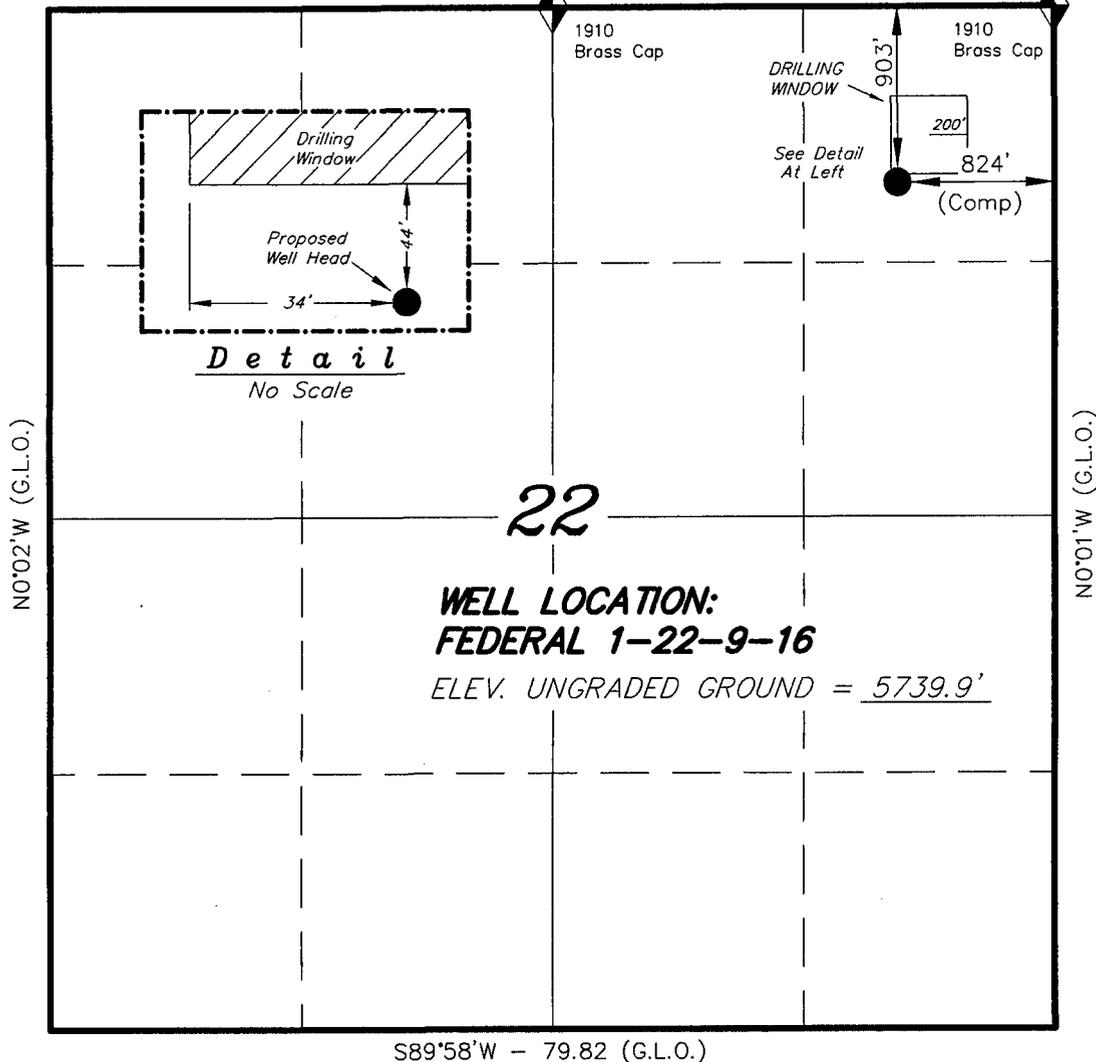
DIV. OF OIL, GAS & MINING

# T9S, R16E, S.L.B.&M.

S89°57'W - 79.76 (G.L.O.)  
 2629.75' (Measured)  
 S89°57'W G.L.O. (Basis of Bearings)

## INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:  
 The Well Location Bears S42°20'07"W  
 1223.00' From the Northeast Corner  
 of Section 22.



THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
 No. 189377  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

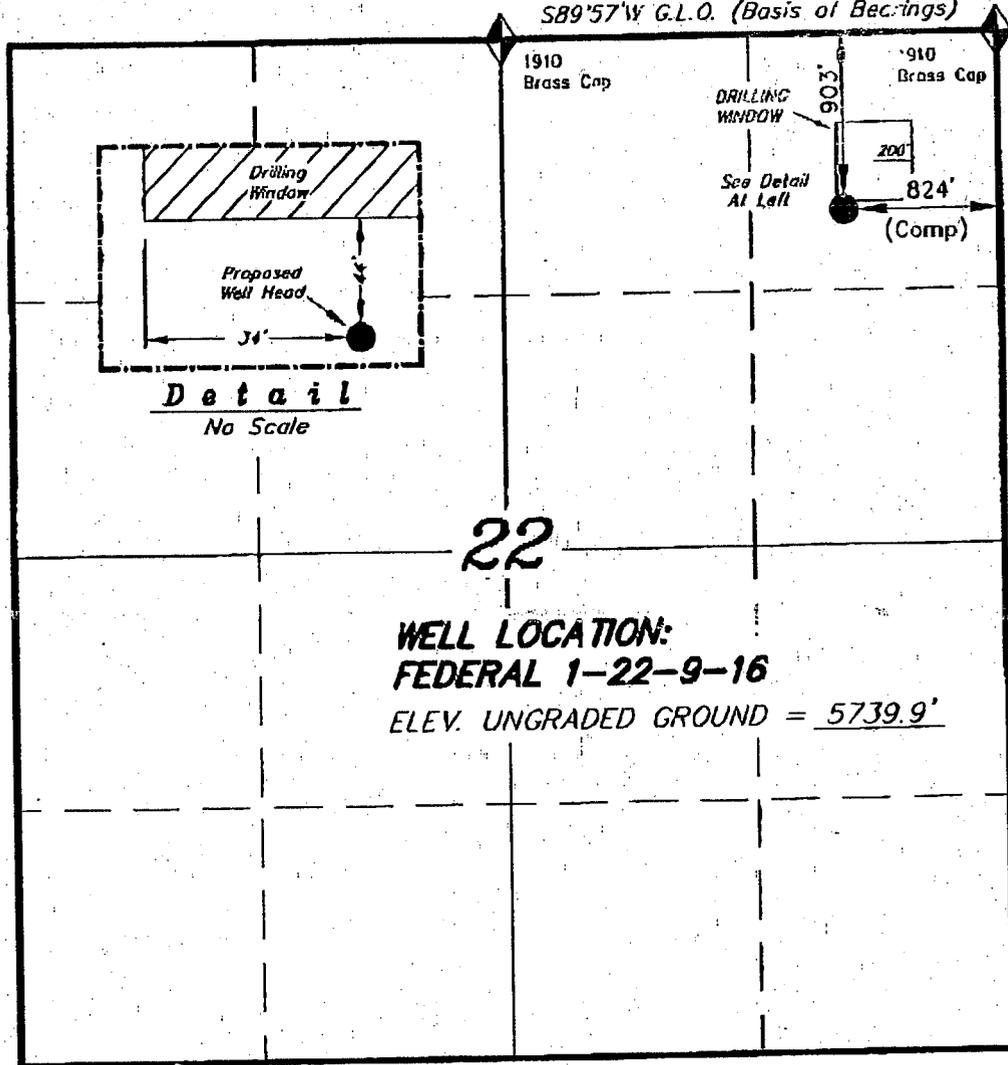
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2. min QUAD (MYTON SE)

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3-11-04	DRAWN BY: R.V.C.
NOTES:	FILE #

# T9S, R16E, S.L.B.&M.

S89°57'W - 79.76 (G.L.O.)  
 2629.75' (Measured)  
 S89°57'W G.L.O. (Basis of Bearings)



## INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

Note:  
 The Well Location Bears S42°20'07"W  
 1223.00' From the Northeast Corner  
 of Section 22.



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5739.9'

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF

STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3-11-04	DRAWN BY: R.V.C.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)



To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9B-R16E  
Duschene County, Utah

Please be advised that Thomas Lambert does not object to the proposed location on the  
aforementioned well.

By: Thomas J Lambert Date: 9/25/04

THOMAS J. LAMBERT  
Print Name and Title

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Larry R. Simpson does not object to the proposed exception location referenced above.

By: *Larry R. Simpson*  
LARRY R SIMPSON  
Print Name and Title

Date: *August 21 2004*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Vaughey & Vaughey does not object to the proposed exception location referenced above.

By: *CH Williams*

Date: *9/13/04*

*C.H WILLIAMS, JR*  
Print Name and Title  
*ATTORNEY IN FIDELI*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2335' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschee Cty., Utah; Lease UTU-035521

Please be advised that Montana & Wyoming Oil Company does not object to the proposed exception location referenced above.

By: Robert C. Balsam Jr. Date: 8-23-04

Robert C. Balsam Jr. - President  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that John Warne does not object to the proposed exception location referenced above.

By: John R. Warne Date: Sept. 17, 2004  
John R. Warne  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Bonnie Warne does not object to the proposed exception location referenced above.

By: Bonnie Warne Date: Sept. 17'04

Bonnie Warne  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carl Field does not object to the proposed exception location referenced above.

By: Carl B. Field

Date: 9-22-04

CARL B. FIELD  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carol Bibler does not object to the proposed exception location referenced above.

By: Carol Bibler Date: 8-27-04  
CAROL BIBLER  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12 T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Leslie Breaux does not object to the proposed exception location referenced above.

By: Leslie Breaux Date: 10/02/04

Leslie Breaux, President WJK Harrington, Inc.  
Print Name and Title

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1640'
Green River	1640'
Wasatch	5865'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Inland Production Company requests a 1,615' ROW be granted in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 2,650' ROW in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 2,650' ROW in Lease U-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July

15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Garnders Saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Galleta Grass	<i>Hilaria jamesii</i>	4 lbs/acre
Black Sage Brush	<i>Artemisia nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was on-sited on 11/5/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. The temperature was 30 degrees with ground cover being 50% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

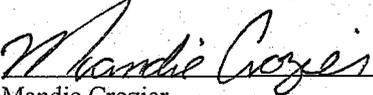
Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

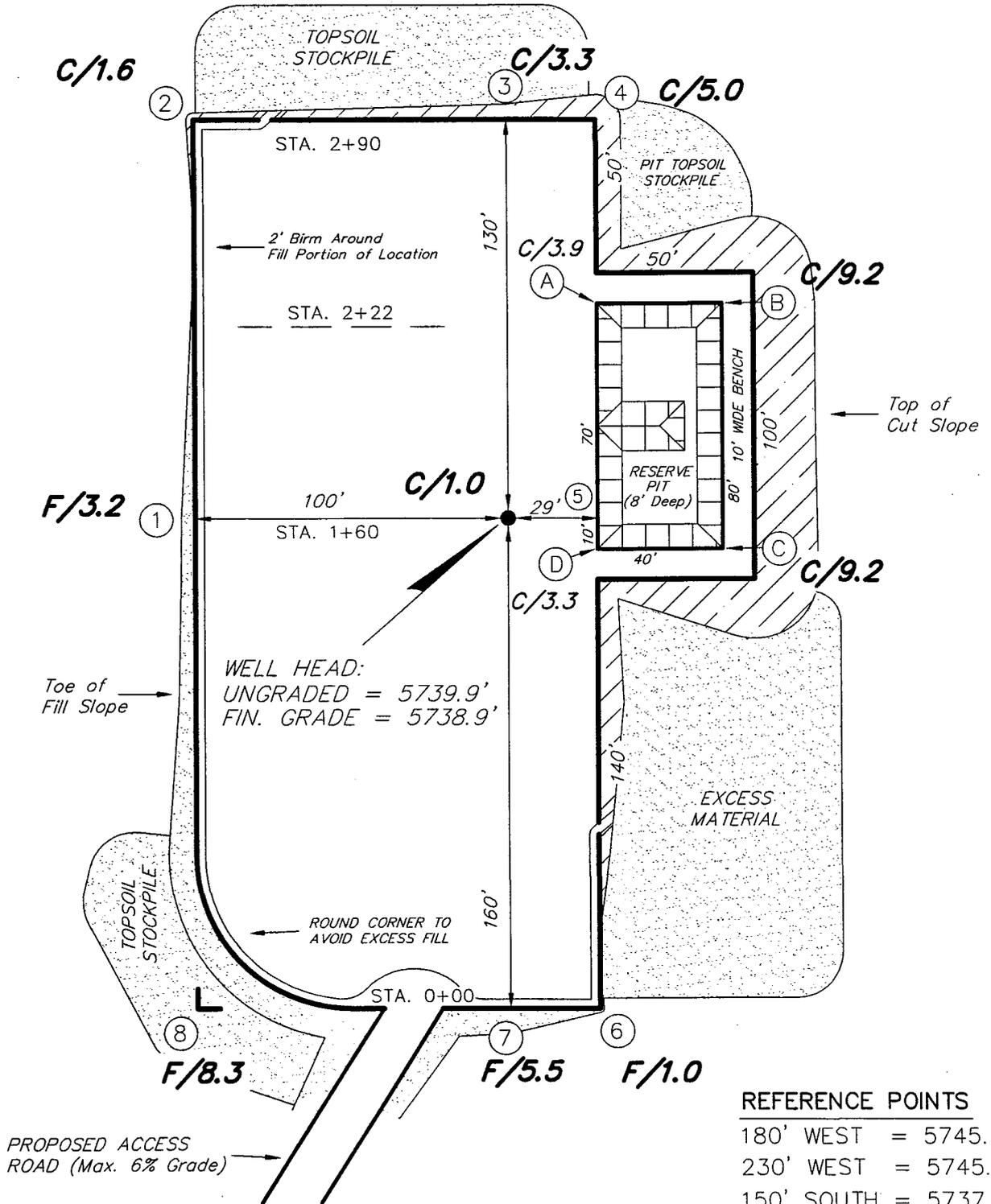
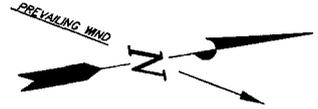
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/19/04  
Date

  
Mandie Crozier  
Regulatory Specialist

# INLAND PRODUCTION COMPANY

FEDERAL 1-22-9-16  
SECTION 22, T9S, R16E, S.L.B.&M.



### REFERENCE POINTS

180' WEST = 5745.3'  
230' WEST = 5745.2'  
150' SOUTH = 5737.1'  
200' SOUTH = 5743.2'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

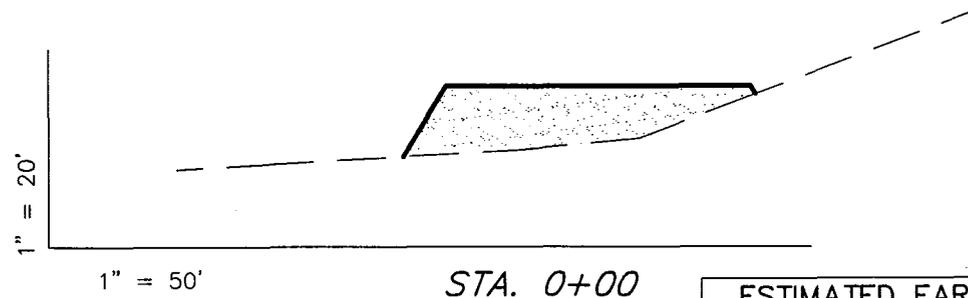
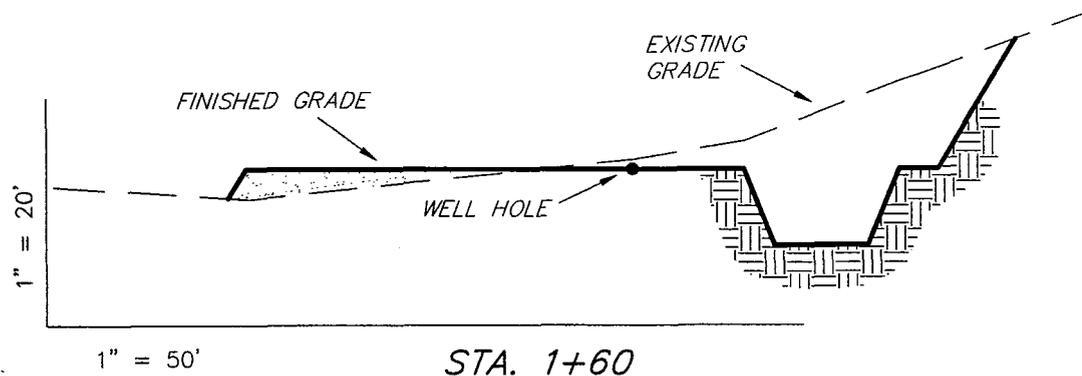
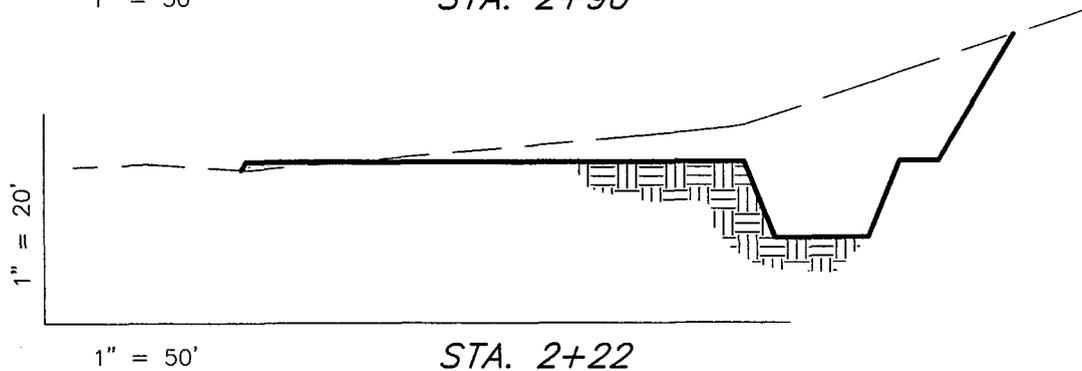
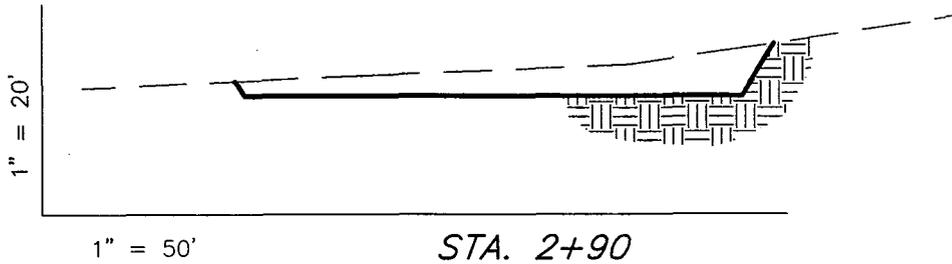
DATE: 3-11-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,780	2,770	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	3,420	2,770	790	650

NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

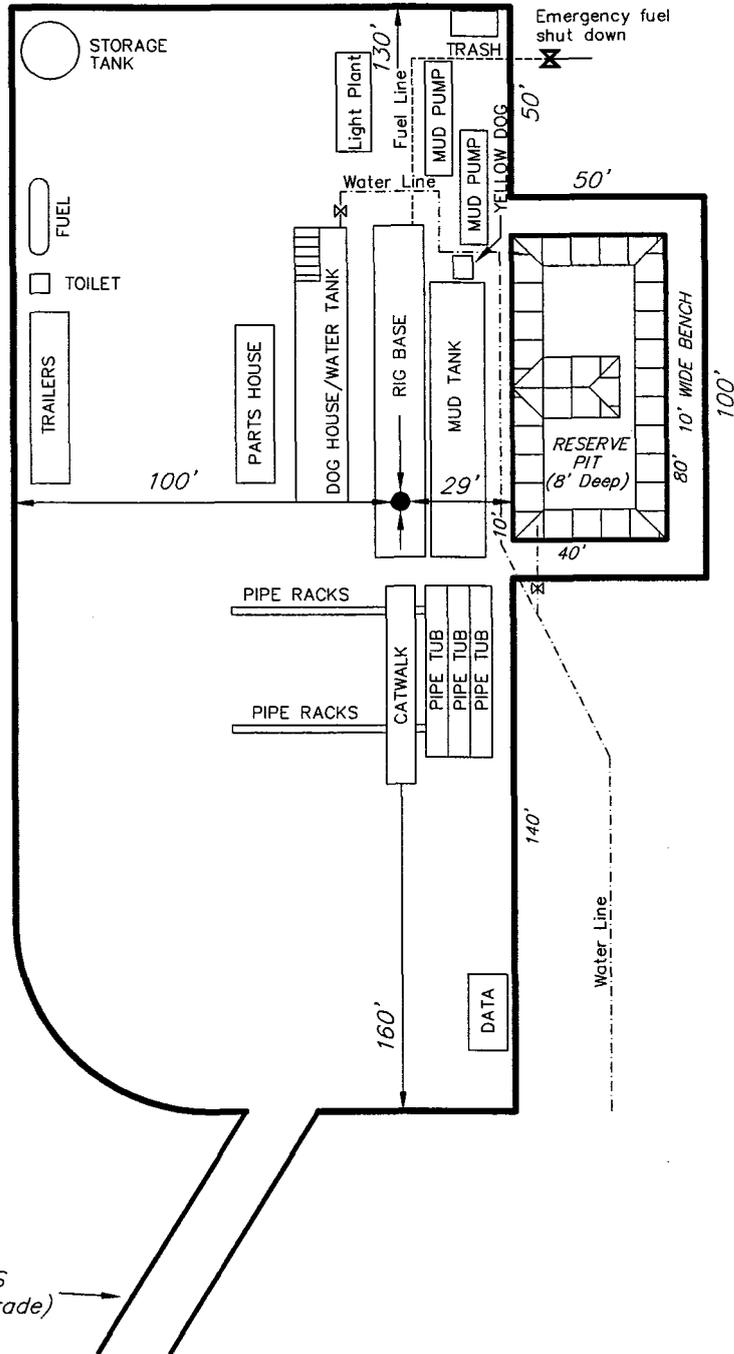
DATE: 3-11-04

Tri State Land Surveying, Inc. (435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



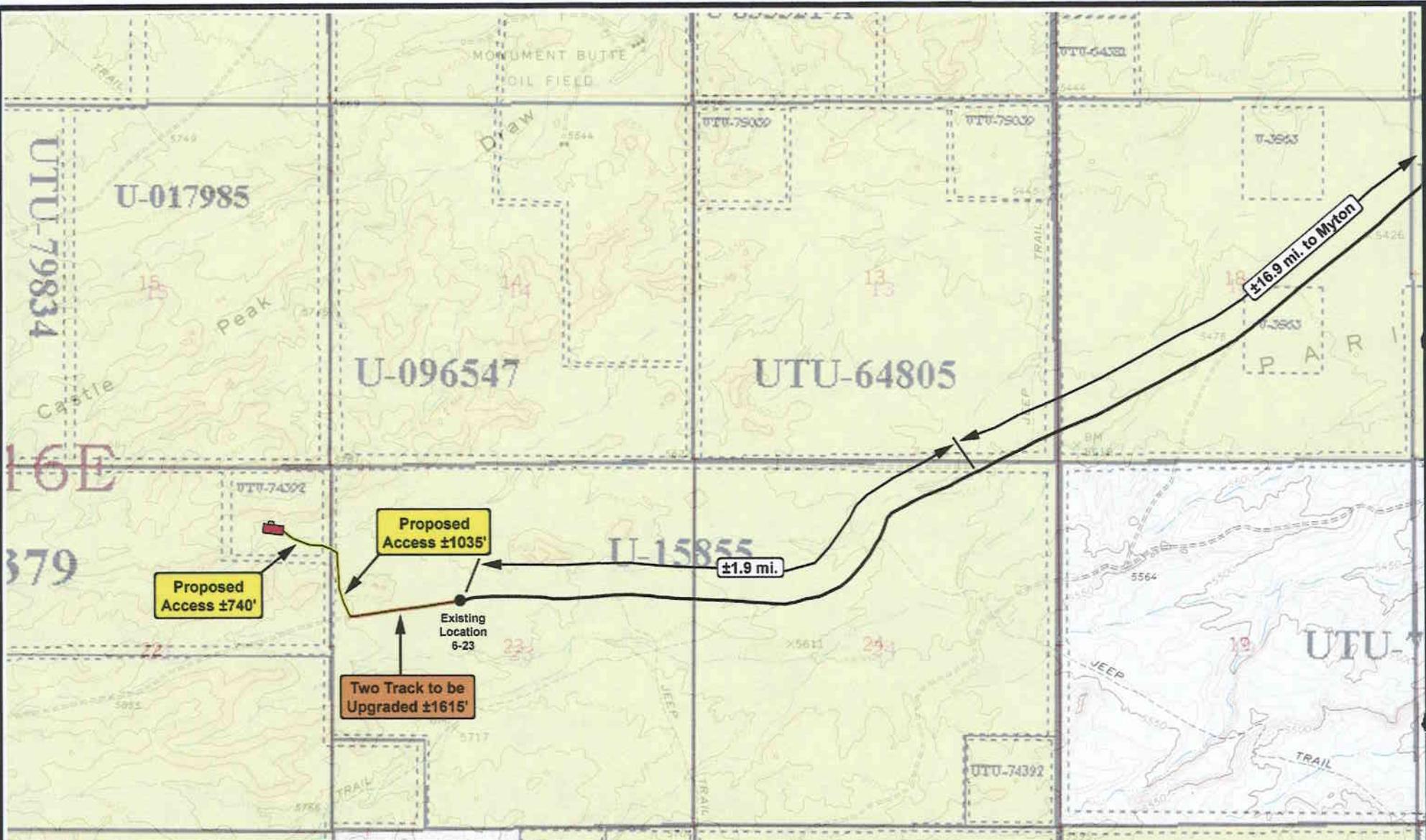
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-11-04

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Federal 1-22-9-16  
SEC. 22, T9S, R16E, S.L.B.&M.**

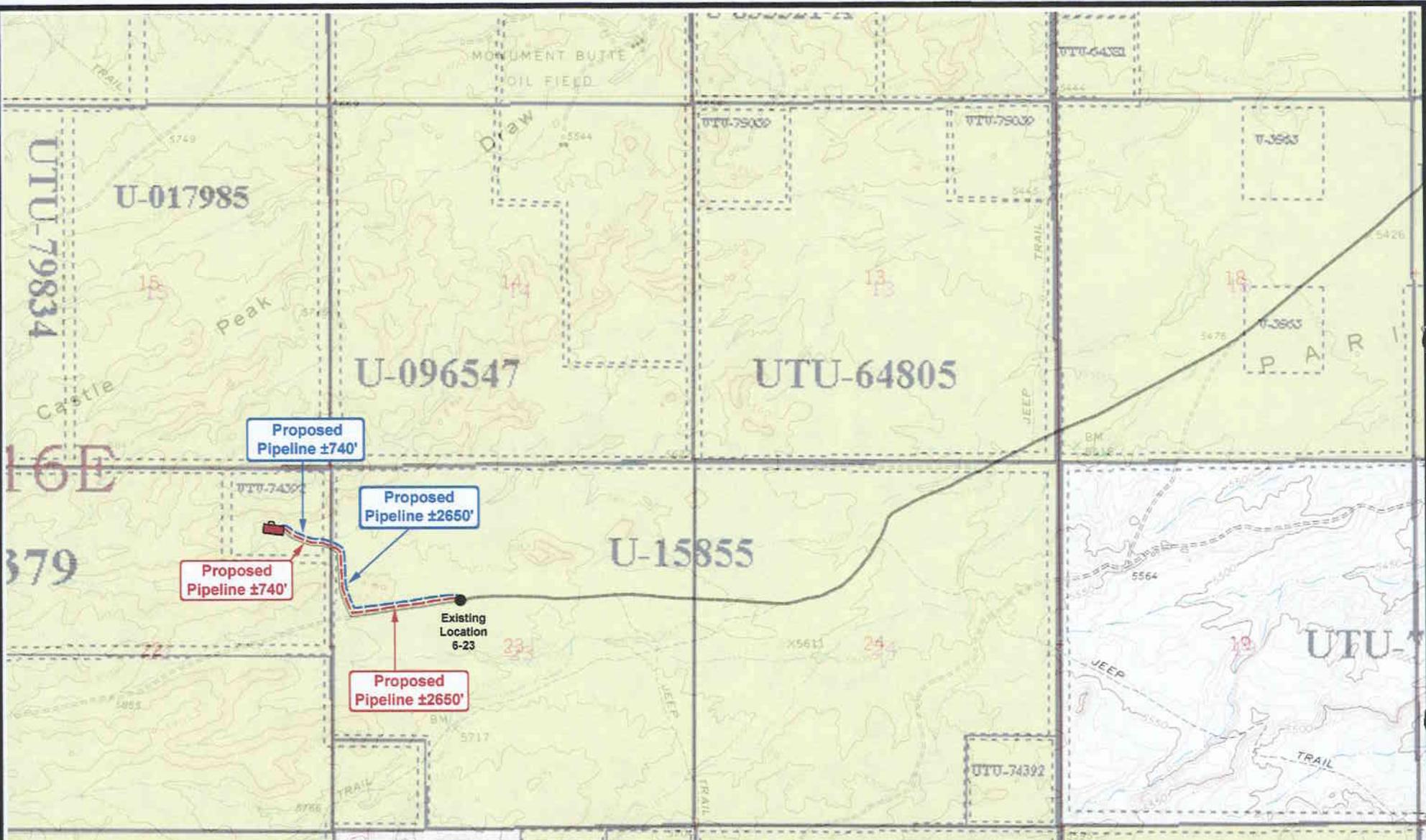


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 06-24-2004

Legend	
	Existing Road
	Proposed Access
	Access to Upgrade

**"B"**



**Federal 1-22-9-16  
SEC. 22, T9S, R16E, S.L.B.&M.**

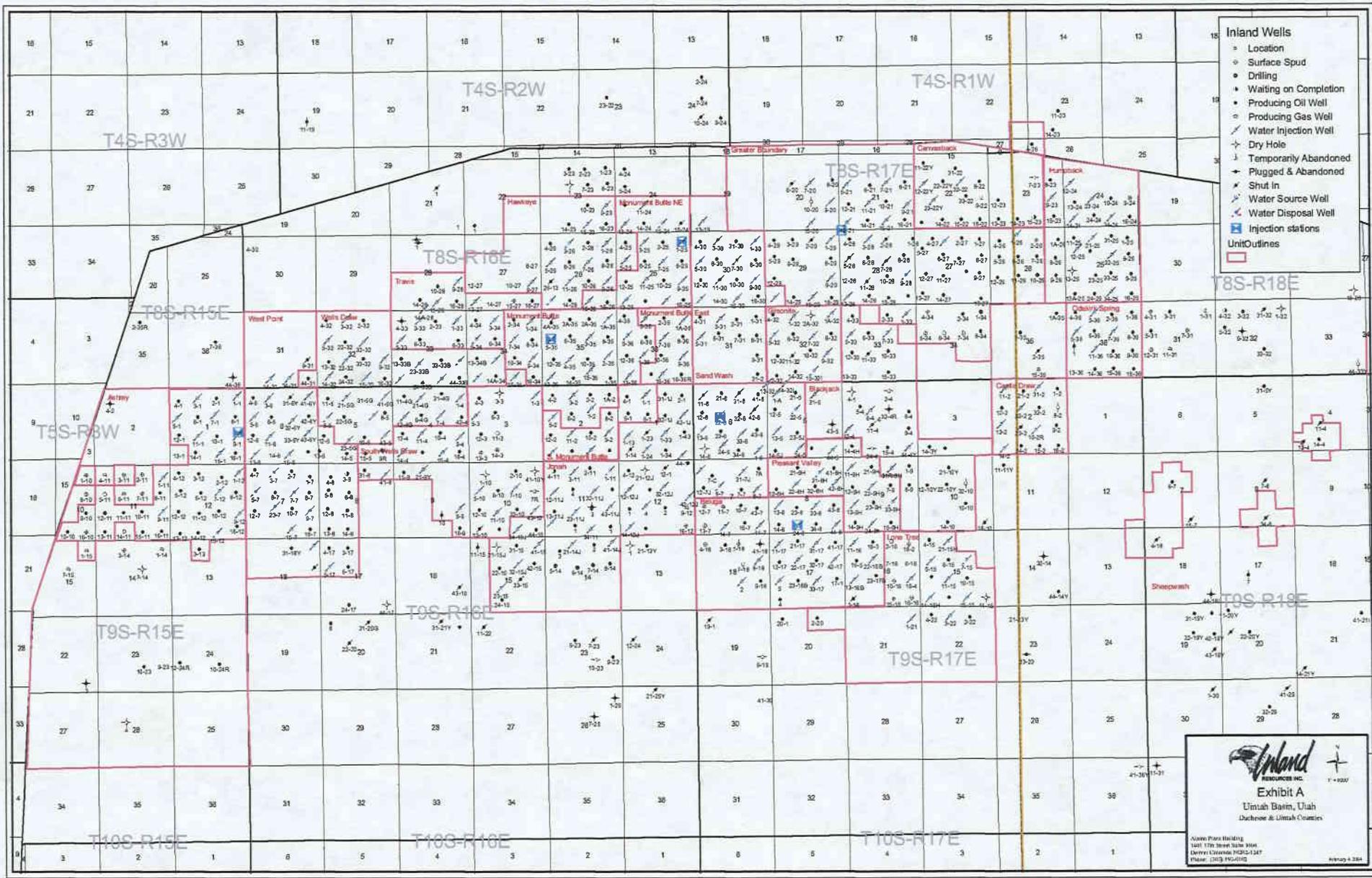


**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 06-24-2004

Legend	
	Existing Road
	Proposed Access
	Proposed Gas Line
	Proposed Water Line

**"C"**



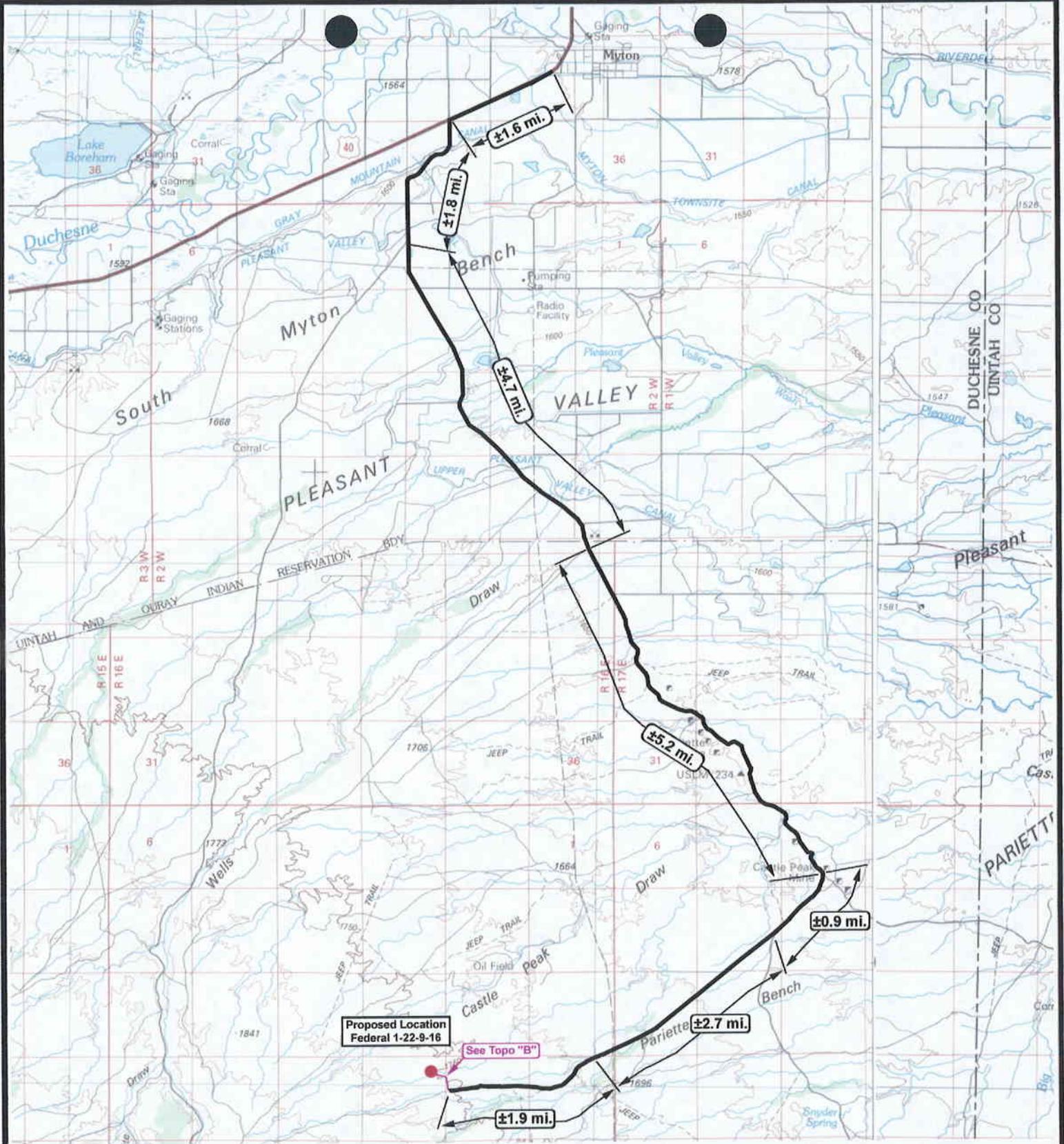
- Inland Wells**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Water Source Well
  - Water Disposal Well
  - Injection stations
  - Unit Outlines

**Inland**  
RESOURCES INC.

**Exhibit A**  
Uintah Basin, Utah  
Duchesne & Uintah Counties

4000 Plaza Building  
 1601 17th Street Suite 3000  
 Denver Colorado 80202-3127  
 Phone: (303) 756-6100

Map No. 4-264



Proposed Location  
Federal 1-22-9-16

See Topo "B"



RESOURCES INC.

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

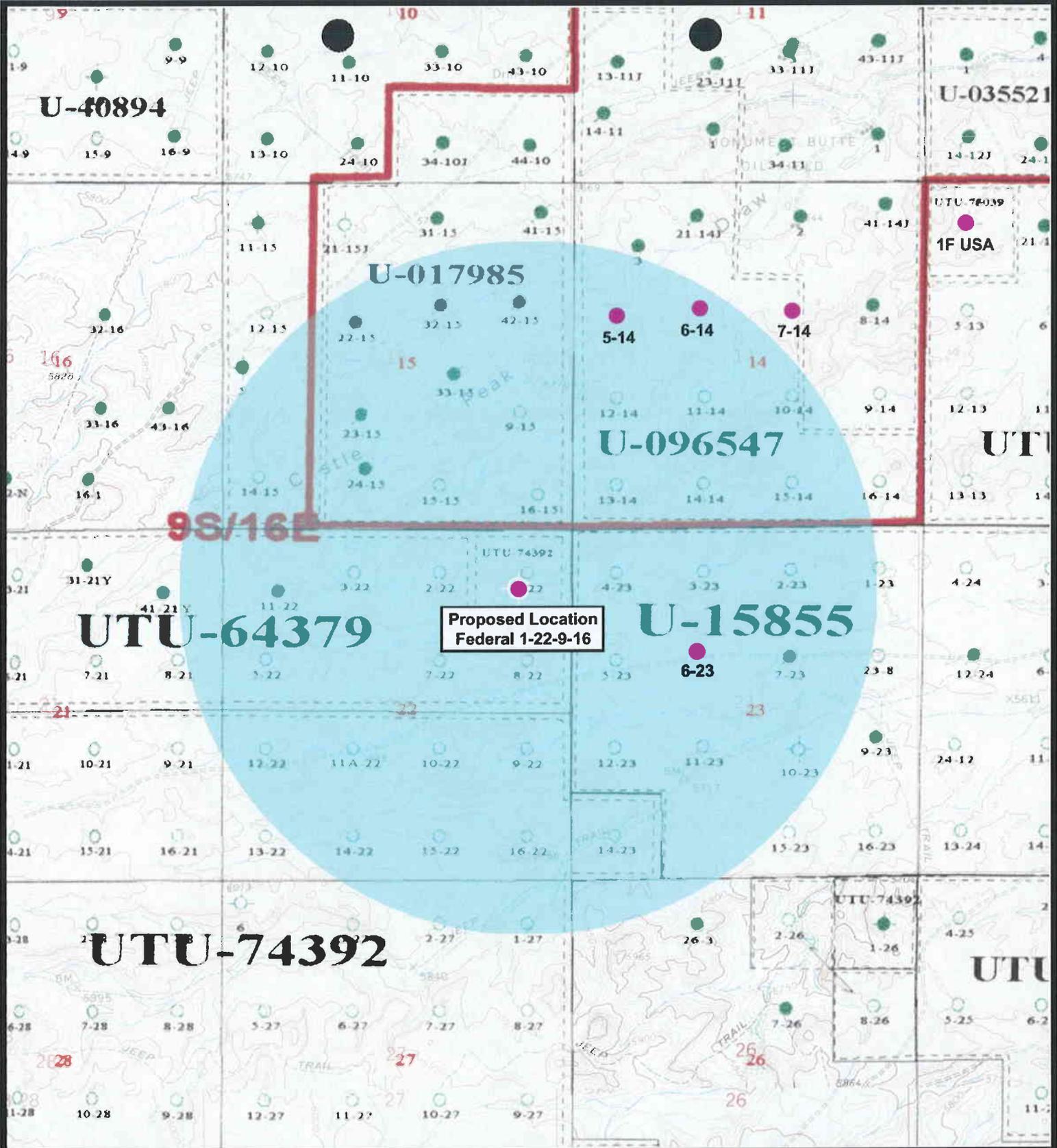
SCALE: 1" = 100,000'  
DRAWN BY: D.J.  
DATE: 11-27-2001

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

**"A"**



**Proposed Location  
Federal 1-22-9-16**



**Federal 1-22-9-16  
SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: bgm  
DATE: 06-24-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

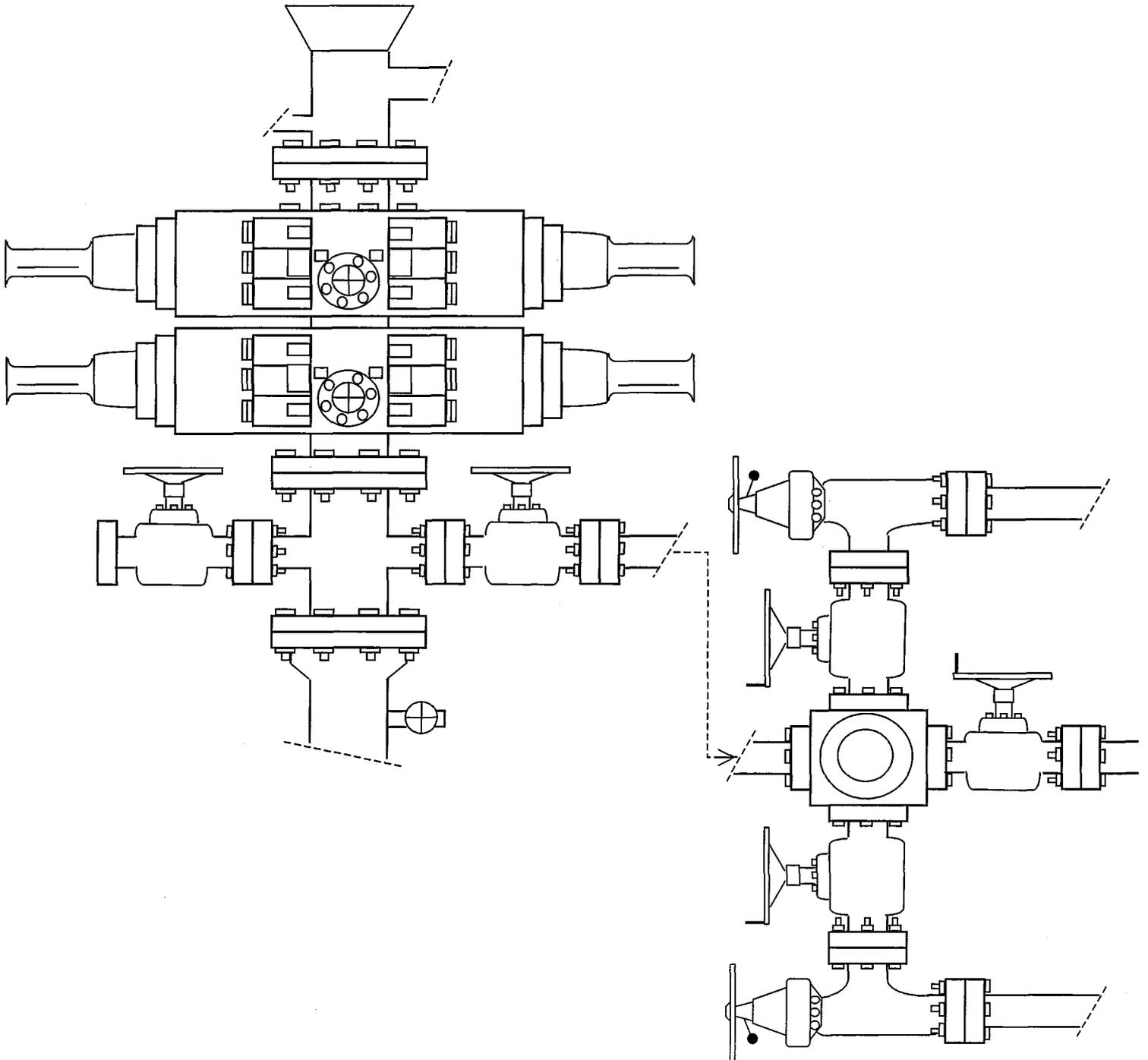


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UINTAH COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW; NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/20/2004

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16  
OPERATOR: INLAND PRODUCTION ( N5160 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:  
NENE 22 090S 160E  
SURFACE: 0903 FNL 0824 FEL  
BOTTOM: 0903 FNL 0824 FEL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-74392  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

LATITUDE: 40.02111  
LONGITUDE: 110.09834

RECEIVED AND/OR REVIEWED:

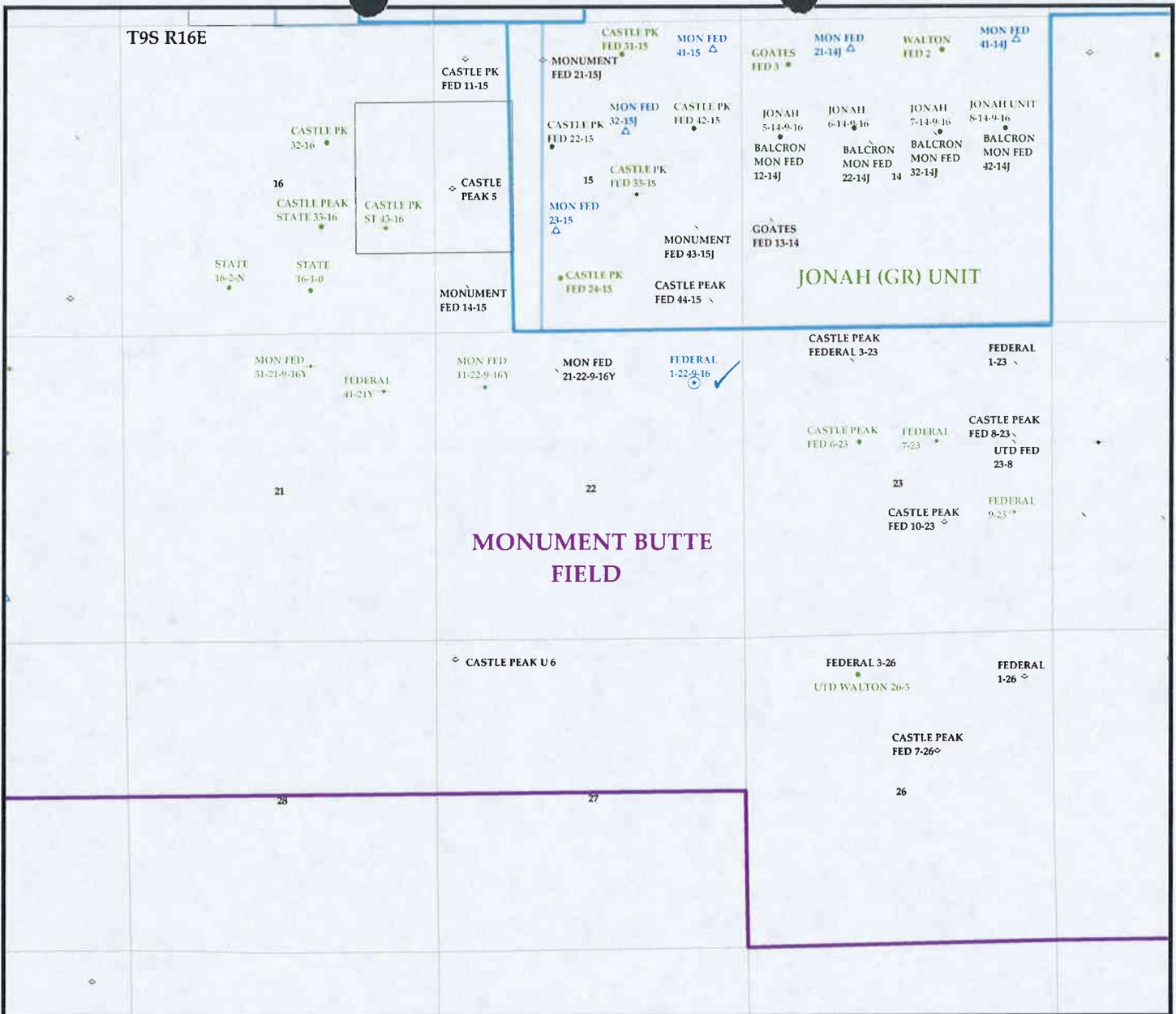
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

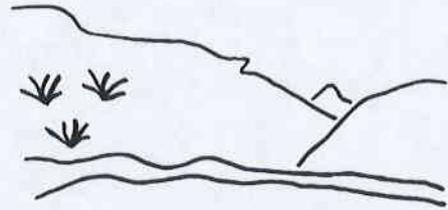
- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: SOP's Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing SUE



**OPERATOR: INLAND PRODUCTION CO (N1590)**  
**SEC. 22 T.9S R.16E**  
**FIELD: MONUMENT BUTTE (105)**  
**COUNTY: DUCHESNE**  
**SPACING: R649-3-3 / EXCEPTION LOCATION**



Utah Oil Gas and Mining

Wells	Units.shp	Fields.shp
GAS INJECTION	EXPLORATORY	ABANDONED
GAS STORAGE	GAS STORAGE	ACTIVE
LOCATION ABANDONED	NF PP OIL	COMBINED
NEW LOCATION	NF SECONDARY	INACTIVE
PLUGGED & ABANDONED	PENDING	PROPOSED
PRODUCING GAS	PI OIL	STORAGE
PRODUCING OIL	PP GAS	TERMINATED
SHUT-IN GAS	PP GEOTHERML	
SHUT-IN OIL	PP OIL	
TEMP. ABANDONED	SECONDARY	
TEST WELL	TERMINATED	
WATER INJECTION		
WATER SUPPLY		
WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY  
 DATE: 20-JULY-2004

**RECEIVED**

OCT 12 2004

**MAIL ROOM**

**NEWFIELD**



*2nd request  
10-7-04*

August 18, 2004

Yates Petroleum Corporation  
Yates Drilling Company  
Myco Industries, Inc.  
Abo Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210-2118

Attn: Bonnie Floore

Re: Exception Locations

Dear Ms. Floore:

Please be advised that Inland Production Company is requesting approval from the Utah Division of Oil, Gas & Mining for the following exception locations:

Fed 12-4-9-18; 340' FWL, 2041' FSL Sec 4-T9S-R18E; the various Yates associates referenced above have ownership in the offsetting lease UTU-65970. The exception location is requested due to an active eagle nest.

Federal 15-31-8-18; 2246' FEL, 668' FSL Sec 31-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74404. The exception location is requested due to active eagle and hawk nests.

Federal 1-22-9-16; 903' FNL, 824' FEL Sec 22-T9S-R16E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74392 and in offsetting lease UTU-64379. The exception location is due to extreme terrain.

Federal 15-12-9-16; 2355' FEL, 427' FSL SWSE Sec 12-T9S-R16E; the various Yates associates referenced above have ownership in the offsetting lease UTU-64805. The exception location is requested due to archeological reasons.

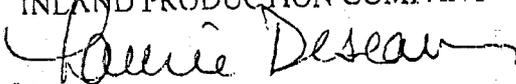
Federal 10-5-9-18; 1875' FSL, 2185' FEL, NWSE Sec 5-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-65970. The exception location is requested due to terrain.

Federal 6-12-9-17; 2014' FNL, 2192' FEL, SENW Sec 12-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-75234. The exception location is due to extreme terrain.

Federal 9-14-9-17; 2210' FSL, 923' FEL, NESE Dec 14-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-64806. The exception location is requested due to an eagle nest.

Attached please find the corresponding Application to Drill and survey plat copies to assist you in your review. Upon agreement to these locations, please verify your consent by signing and dating where indicated at the bottom of this facsimile. Please return to my attention as soon as possible using the following Inland fax number: 303-893-0103. If I can provide additional information to assist you in your review please do not hesitate to contact me. Thank you for your assistance in this matter.

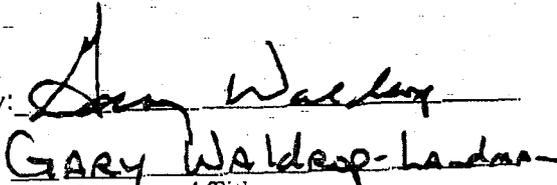
Sincerely,  
INLAND PRODUCTION COMPANY



Laurie Deseau  
Properties Administrator

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By:

  
Print Name and Title

Date: 10-12-04



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

Come visit us on the internet at <http://www.sos.state.tx.us/>

PHONE(512) 463-5555  
Prepared by: SOS-WEB

FAX(512) 463-5709

TTY7-1-1

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## NEWFIELD



October 14, 2004

Utah Division of Oil, Gas & Mining  
 P.O. Box 145801  
 Attn: Diana Whitney  
 Salt Lake City, Utah 84114-5801

Re: Exception Location: Federal 1-22-9-16  
 903'FNL, 824' FEL NENE Sec 22-T9S-R16E  
 Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 44' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
 NEWFIELD PRODUCTION COMPANY

*Laurie Deseau*  
 Laurie Deseau  
 Properties Administrator

RECEIVED

OCT 18 2004

DIV. OF OIL, GAS & MINING



## State of Utah

Department of  
Natural ResourcesROBERT L. MORGAN  
*Executive Director*Division of  
Oil, Gas & MiningLOWELL P. BRAXTON  
*Division Director*OLENE S. WALKER  
*Governor*GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 18, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052Re: Federal 1-22-9-16 Well, 903' FNL, 824' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

John R. Baza  
Associate Directorpab  
Enclosurescc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number Federal 1-22-9-16  
API Number: 43-013-32612  
Lease: UTU-74392

Location: NE NE                      Sec. 22                      T. 9 South                      R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**012**

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

<b>FROM:</b> (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO:</b> ( New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

**CA No.**

**Unit:**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 15-34-8-17	34	080S	170E	4301332628		Federal	OW	APD	K
FEDERAL 14-34-8-17	34	080S	170E	4301332629		Federal	OW	APD	K
FEDERAL 13-34-8-17	34	080S	170E	4301332630		Federal	OW	APD	K
FEDERAL 12-34-8-17	34	080S	170E	4301332631		Federal	OW	APD	K
FEDERAL 16-13-9-16	13	090S	160E	4301332647		Federal	OW	APD	K
FEDERAL 15-13-9-16	13	090S	160E	4301332648		Federal	OW	APD	K
FEDERAL 14-13-9-16	13	090S	160E	4301332649		Federal	OW	APD	K
FEDERAL 13-13-9-16	13	090S	160E	4301332650		Federal	OW	NEW	K
FEDERAL 12-13-9-16	13	090S	160E	4301332651		Federal	OW	APD	K
FEDERAL 11-13-9-16	13	090S	160E	4301332652		Federal	OW	APD	K
FEDERAL 10-13-9-16	13	090S	160E	4301332653		Federal	OW	APD	K
FEDERAL 9-13-9-16	13	090S	160E	4301332654		Federal	OW	APD	K
FEDERAL 8-13-9-16	13	090S	160E	4301332655		Federal	OW	APD	K
FEDERAL 7-13-9-16	13	090S	160E	4301332656		Federal	OW	APD	K
FEDERAL 11-20-9-16	20	090S	160E	4301332598		Federal	OW	APD	K
FEDERAL 1-22-9-16	22	090S	160E	4301332612		Federal	OW	NEW	K
FEDERAL 9-10-9-17	10	090S	170E	4301332502	14325	Federal	OW	DRL	K
FEDERAL 13-11-9-17	11	090S	170E	4301332510	14273	Federal	OW	P	K
FEDERAL 12-11-9-17	11	090S	170E	4301332544		Federal	OW	APD	K
FEDERAL 1-15-9-17	15	090S	170E	4301332596		Federal	OW	APD	K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

NEWFIELD



February 18, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED  
FEB 23 2005  
DIV. OF OIL, GAS & MINING

RE: Amended Applications for Permit to Drill: Federal 11-20-9-16, 1-22-9-16, 2-25-9-17, and 3-14-9-18.

Dear Diana:

Enclosed find the amended APD's on the above mentioned locations. These proposed locations were originally permitted as Oil Wells. It is proposed that they now be drilled as Deep Gas Wells. The well location footages have all changed due to the fact that the well pads will have to be made larger to accommodate the drilling rig required to drill these proposed well. The 10 Point Drilling Program and 13 Point Surface and Operations Plan have been amended as well. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

enclosures

RECEIVED

FEB 23 2005

Form 3160-3  
(September 2001)

**AMENDED**

UNITED STATES DIV. OF OIL, GAS & MINING  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 1-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NE 887' FNL 963' FEL 576903X 40.021113 At proposed prod. zone 4430279Y -110,098827		9. API Well No. 43-013-32612
14. Distance in miles and direction from nearest town or post office* Approximatley 18.8 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' f/lse, NA f/unit	16. No. of Acres in lease 2080.00	11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 22, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 13,970'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5742' GL	22. Approximate date work will start* 2nd Quarter 2005	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BIA Bond No. on file UTU0056		
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/18/05
Title Regulatory Specialist	Signature <i>Bradley G. Hill</i>	Date 03-02-05
Approved by (Signature)	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III	
Title	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**

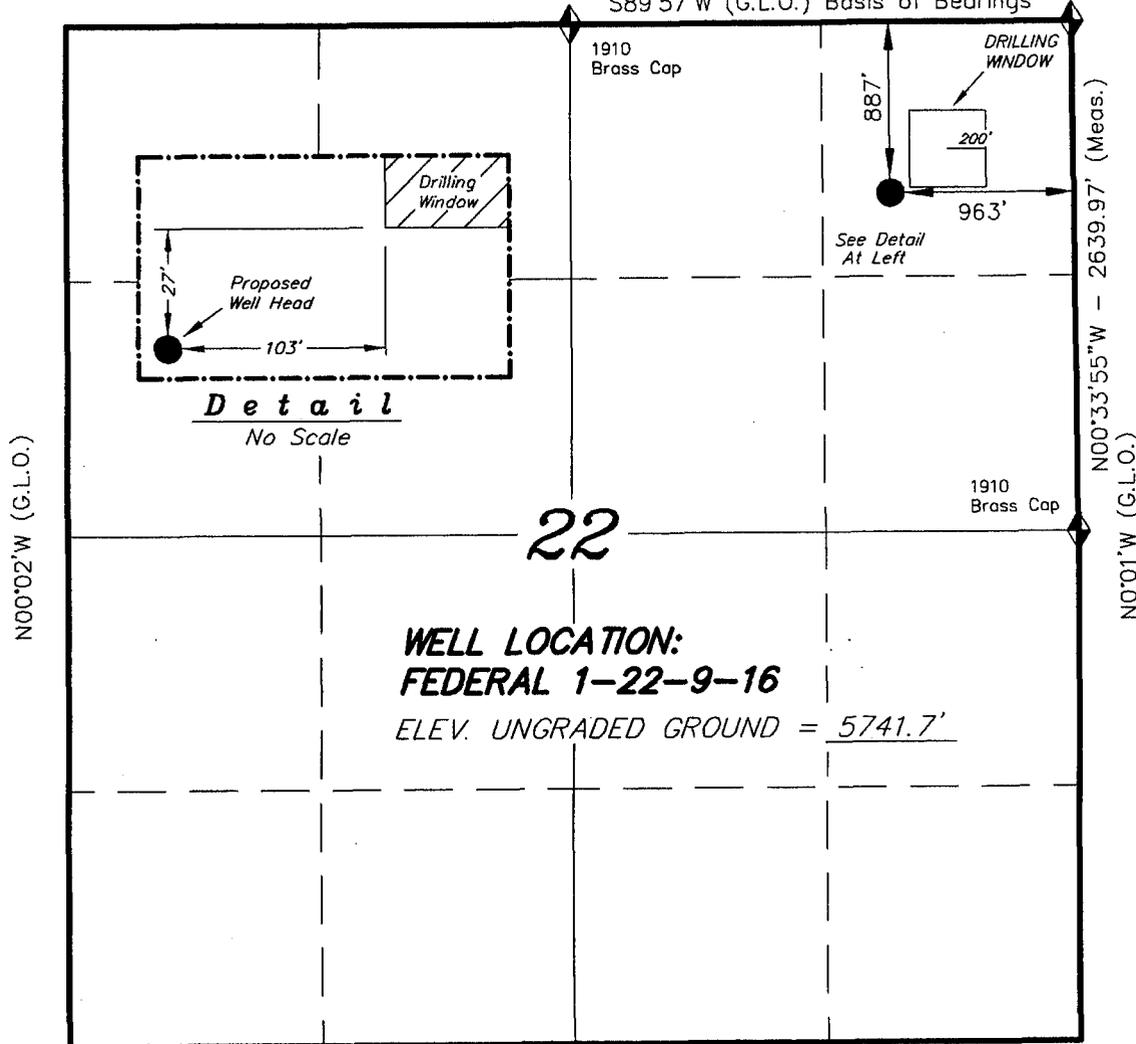
# T9S, R16E, S.L.B.&M.

**NEWFIELD PRODUCTION COMPANY**

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
 S89°57'W (G.L.O.) Basis of Bearings

1910  
Brass Cap

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



S89°58'W - 79.82 (G.L.O.)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
**STACY W. STEWART**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 12-29-04

DRAWN BY: F.T.M.

NOTES:

FILE #

Form 2160-2  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1804-0739  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or GA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 1-22-9-16
3b. Phone No. (include area code) (435) 648-3721		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NE/NE 887' FNL, 963' FEL At proposed prod. well		10. Field and Pool, or Exploratory Monument Bufile
14. Distance in miles and direction from nearest town or post office Approximately 15.8 miles southwest of Myton, Utah		11. Sec., T., R., M., or B.R. and Survey or Area NE/NE Sec. 22, T8S R16E
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest dril. unit line, if any) Approx. 450' (see NA sheet)	16. No. of Acres in lease 2080.00	17. Spacing Unit declared to this well 40 Acres
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 13,970'	20. BLM/BIA Bond No. on file UTU0056
21. Elevations (Show whether DW, KDB, RT, GL, etc.) 5742' GL	22. Approximate date work will start 2nd Quarter 2005	23. Estimated duration Approximately 90 days from start to 1st return.

24. Attachments

The following, completed in accordance with the requirements of OSHA Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (If the location is on National Forest System Land, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other plan specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/18/05
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approved does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

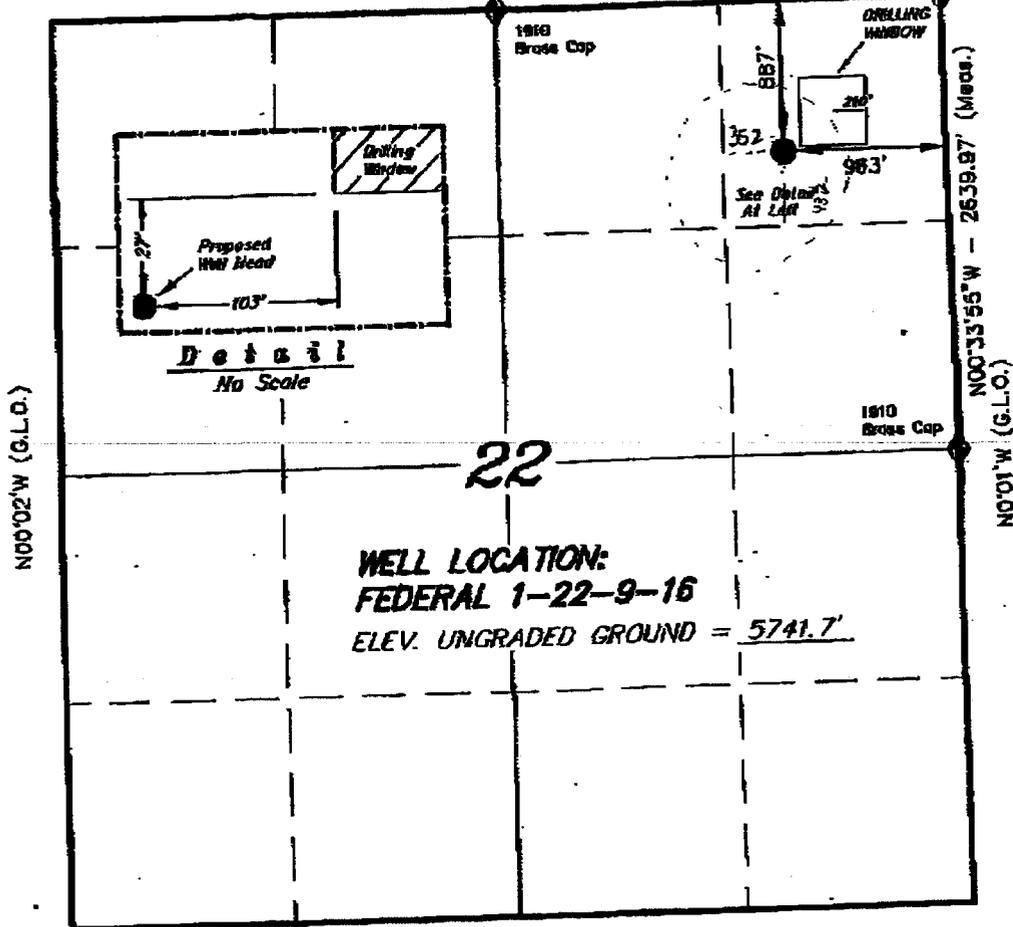
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

# T9S, R16E, S.L.B.&M.

S89°57'W - 79.16 (G.L.O.) 2629.58' (Measured)  
 S89°57'W (G.L.O.) Basis of Bearings

1810  
 Brass Cap



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5741.7'

S89°58'W - 79.82 (G.L.O.)

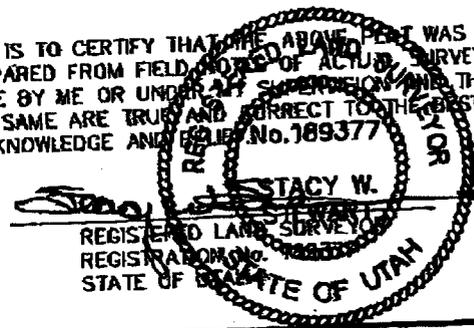
◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.

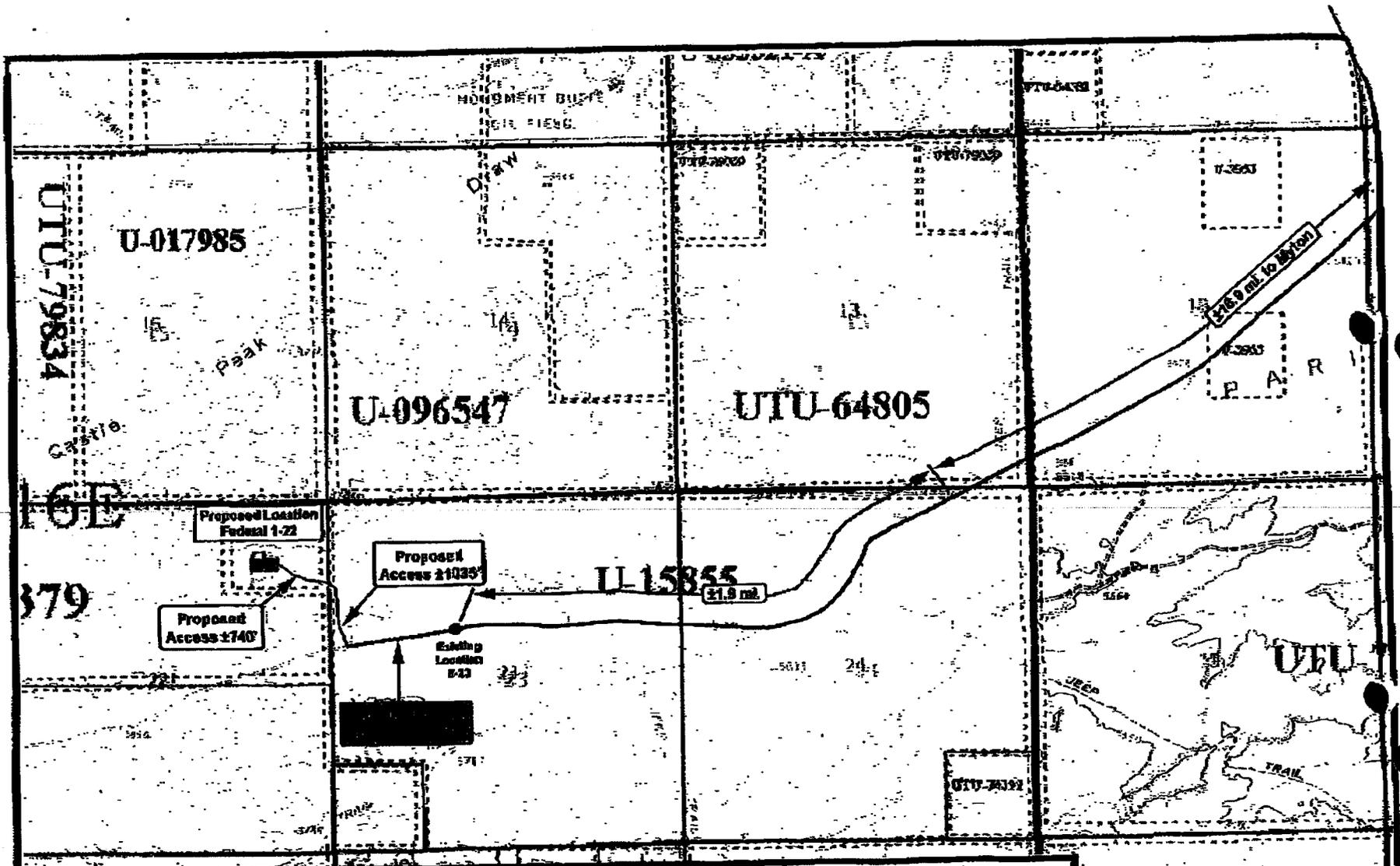


THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 12-29-04	DRAWN BY: F.T.M.
NOTES:	FILE #



  
**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

  
**Tri-State**  
**Land Surveying Inc.**  
180 North Vesel Ave. Vernal, Utah 84078  
SCALE: 1" = 2,000'  
DRAWN BY: m/w  
DATE: 12-29-2004

Legend

	Existing Road
	Proposed Access
	Access to Upgrade

**"B"**

**NEWFIELD PRODUCTION COMPANY**

**FEDERAL #1-22-9-16**

**NE/NE SECTION 22, T9S, R16E**

**DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2450'
Green River	2450'
Wasatch	5950'
Mesaverde	10540'
Castlegate	12965'
Blackhawk	13515'
Mancos	13970'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)	2450' – 5950'
Wasatch/Mesaverde/Castlegate/Blackhawk/Mancos Formation (Gas)	5950' - TD

**4. PROPOSED CASING PROGRAM**

Please refer to the River Bend Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the River Bend Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the River Bend Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the River Bend Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the River Bend Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

Possible abnormal temperatures and/or pressures are anticipated in the lower Mesaverde and Mancos Formations. Please refer to the River Bend Field SOP for pressure control measures.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the River Bend Field SOP.

NEWFIELD PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to its junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to its junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the River Bend Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the River Bend Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the River Bend Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the River Bend Field SOP.

8. ANCILLARY FACILITIES

Please refer to the River Bend Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the River Bend Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Newfield Production Company requests a 2650' ROW be granted in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 200' ROW in Lease UTU-72106, a 550' ROW in Lease UTU-64805, a 11,180' ROW in Lease UTU-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, a 2" poly fuel gas line, and a 10" steel gas line. The proposed pipeline will tie in to the existing Questar CP tap approximately 2.5 miles away in the SE 1/4 SE 1/4 Section 13, T9S, R16E. The proposed pipeline will follow existing developed roads or existing two track roads. In the areas that two tracks are followed, crews will set up on existing well pads for welding and a dozer will drag pipe across. There will be no surface disturbance and there will not be any road upgrades. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

Newfield Production Company requests a 2,650' ROW in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed

between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered.. Please refer to the River Bend Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the River Bend Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
Garnders Saltbush	<i>Atriplex gardneri</i>	4 lbs/acre
Galleta Grass	<i>Hilaria jamesii</i>	4 lbs/acre
Black Sage Brush	<i>Artemisia nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was originally on-sited on 11/5/03. It was then on-sited again on 12/23/04 to amend the originally submitted APD. The following were present; Brad Mecham (Newfield Production) and Byron Tolman (Bureau of Land Management).

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

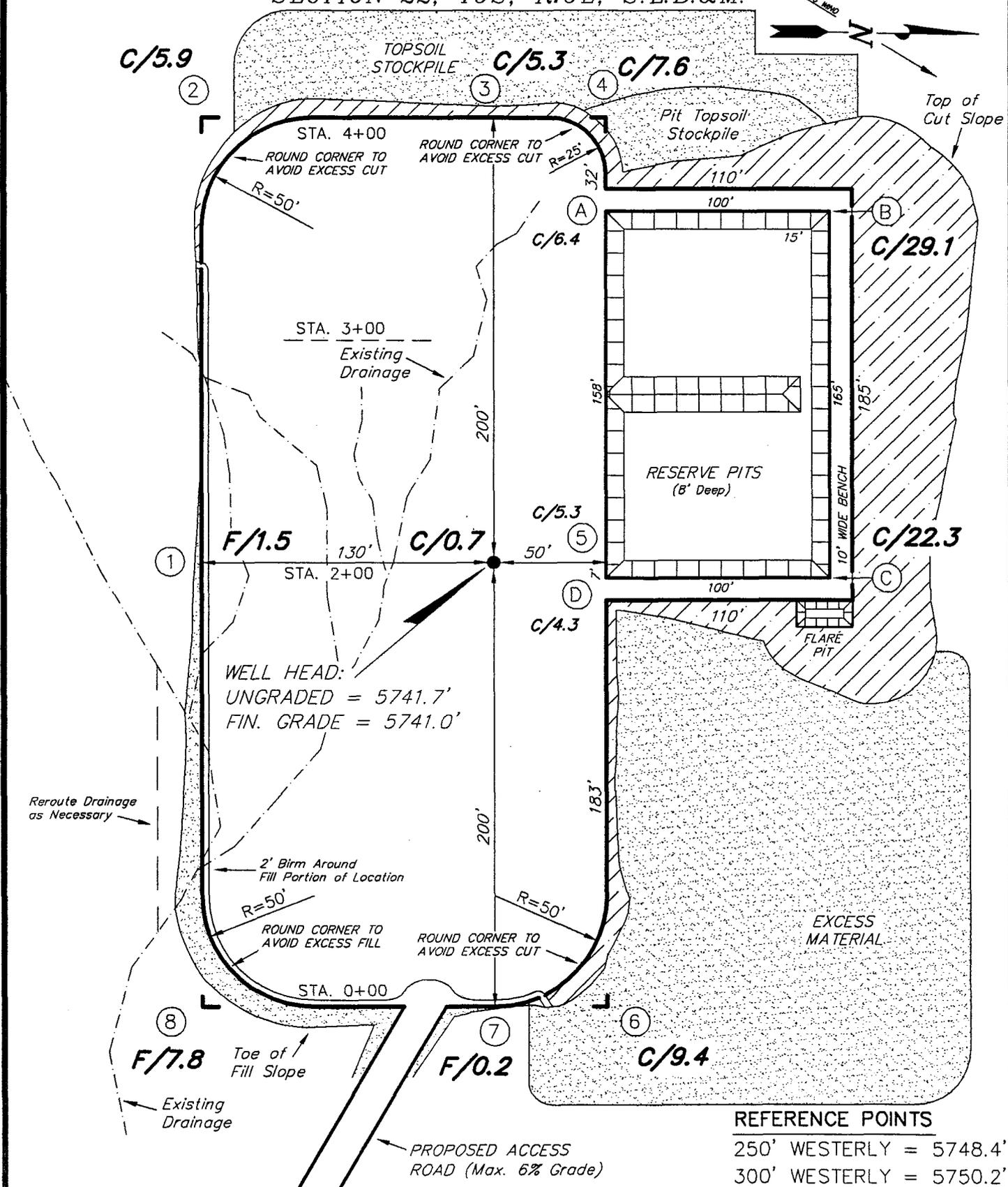
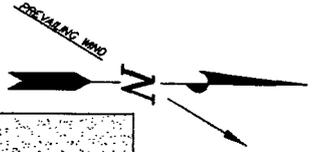
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/18/05  
Date

  
Mandie Crozier  
Regulatory Specialist

# NEWFIELD PRODUCTION COMPANY

FEDERAL 1-22-9-16  
SECTION 22, T9S, R16E, S.L.B.&M.



**REFERENCE POINTS**  
 250' WESTERLY = 5748.4'  
 300' WESTERLY = 5750.2'

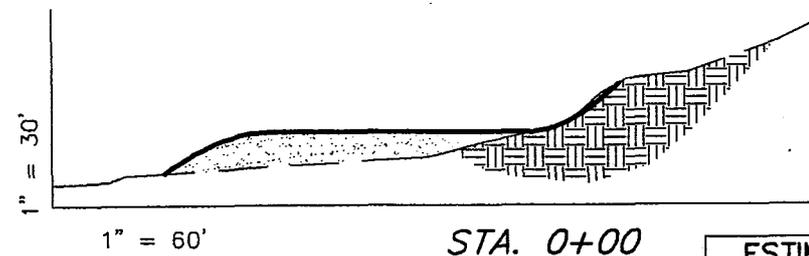
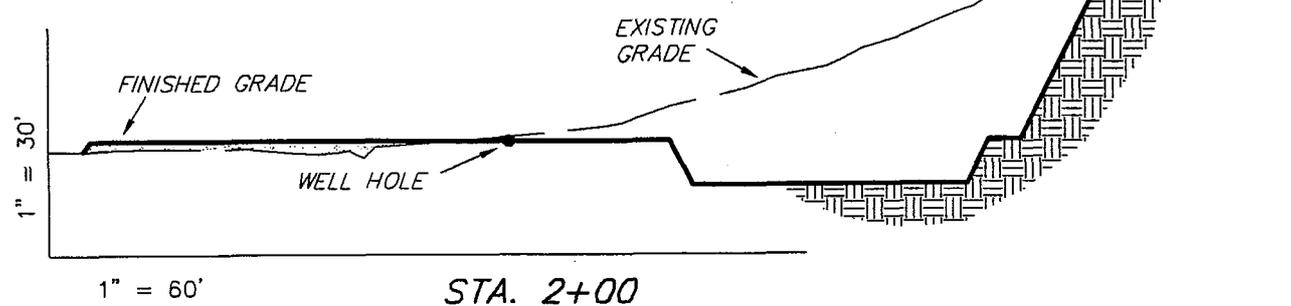
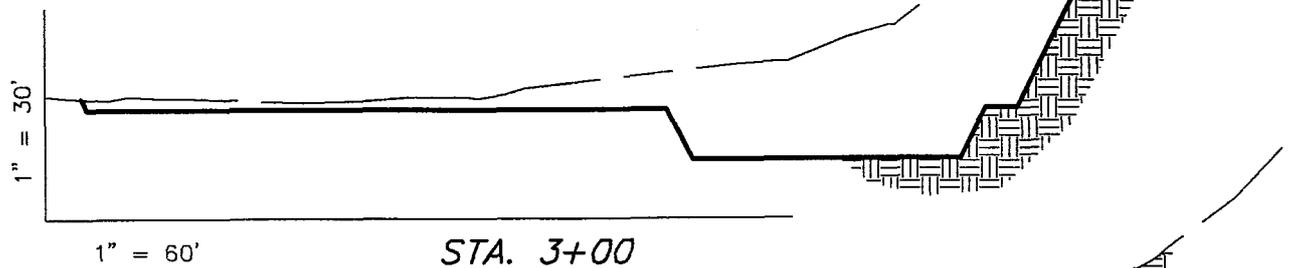
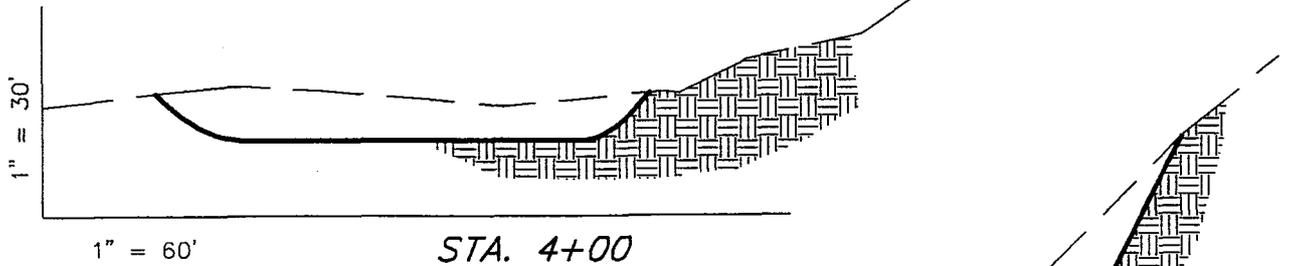
SURVEYED BY: C.M.	SCALE: 1" = 60'
DRAWN BY: F.T.M.	DATE: 12-29-04

**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	20,910	4,070	Topsoil is not included in Pad Cut	16,840
PIT	4,090	0		4,090
TOTALS	25,000	4,070	2070	20,930

NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

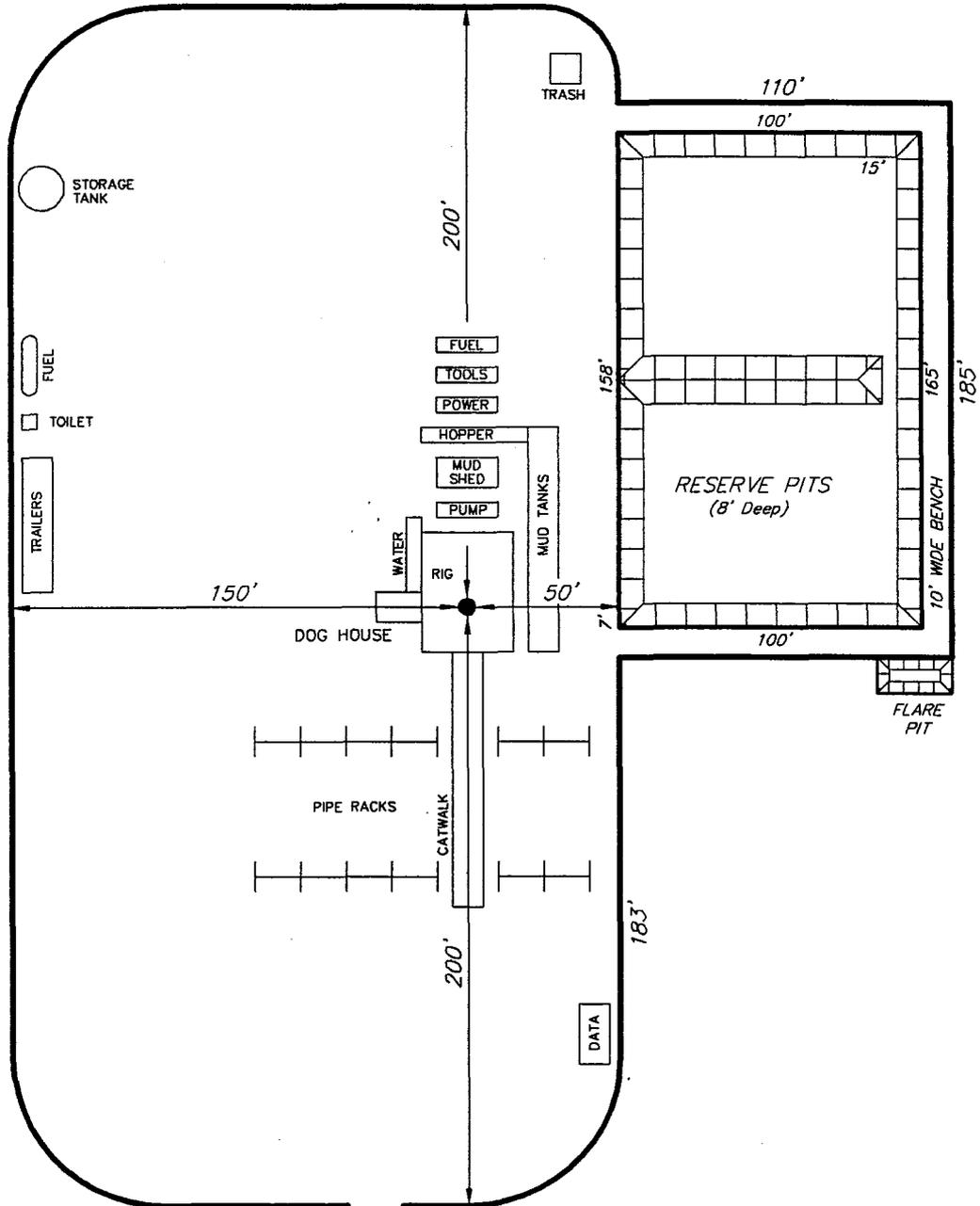
DATE: 12-29-04

Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



PROPOSED ACCESS ROAD (Max. 6% Grade)

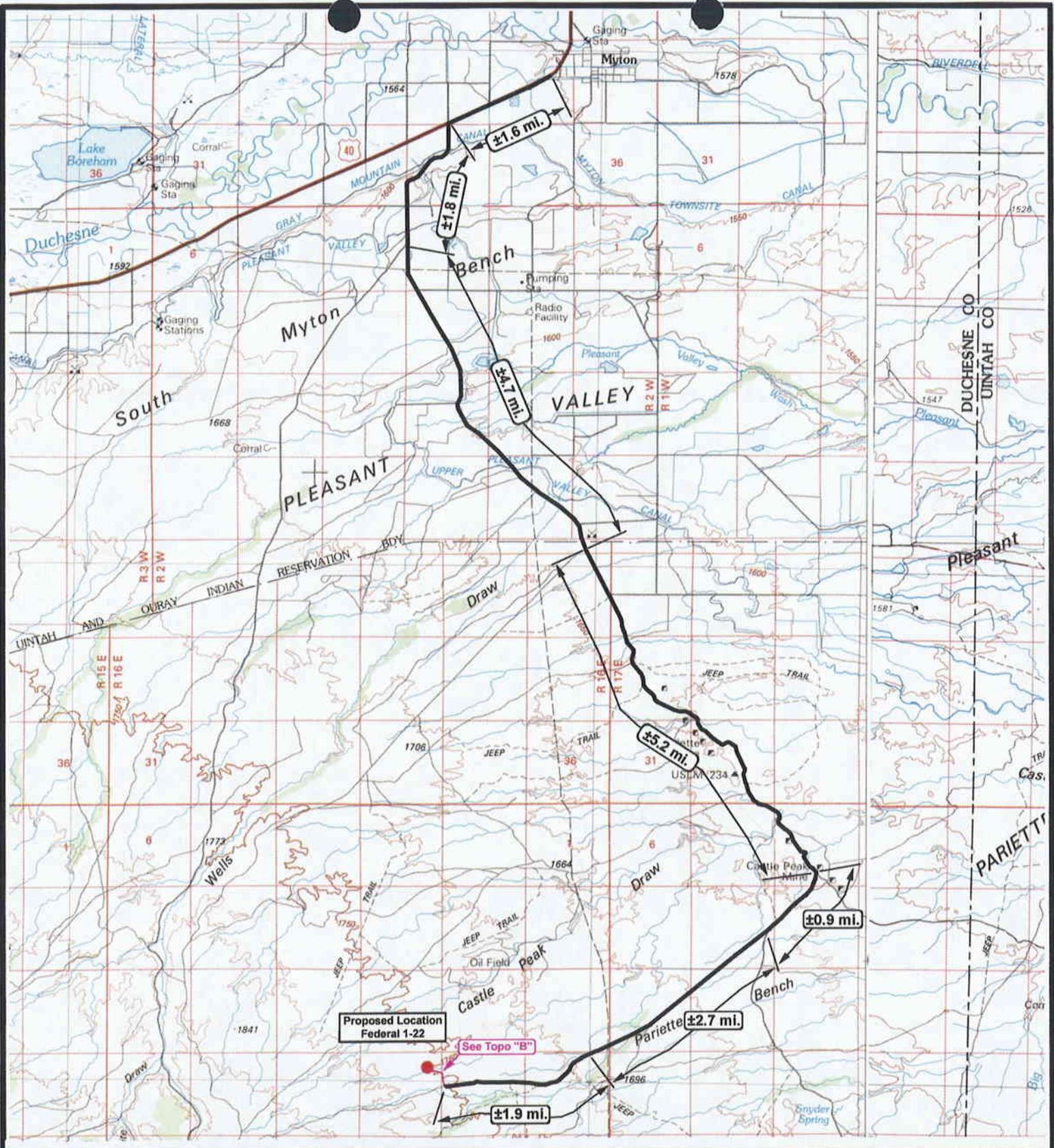
SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

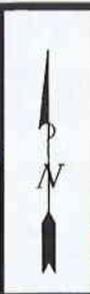
DATE: 12-29-04

Tri State Land Surveying, Inc. (435) 781-2501  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



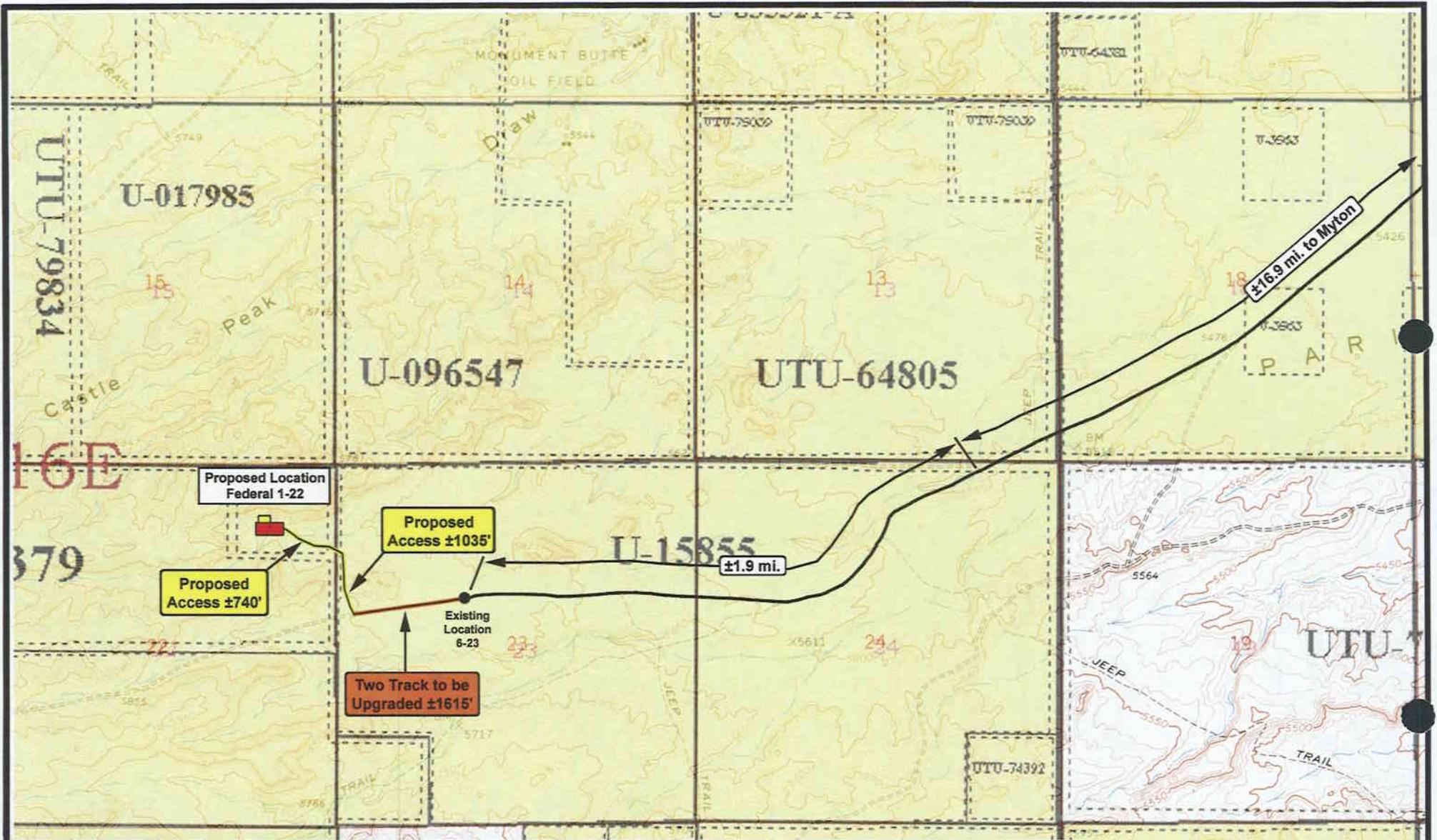
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 12-29-2004

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**



**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

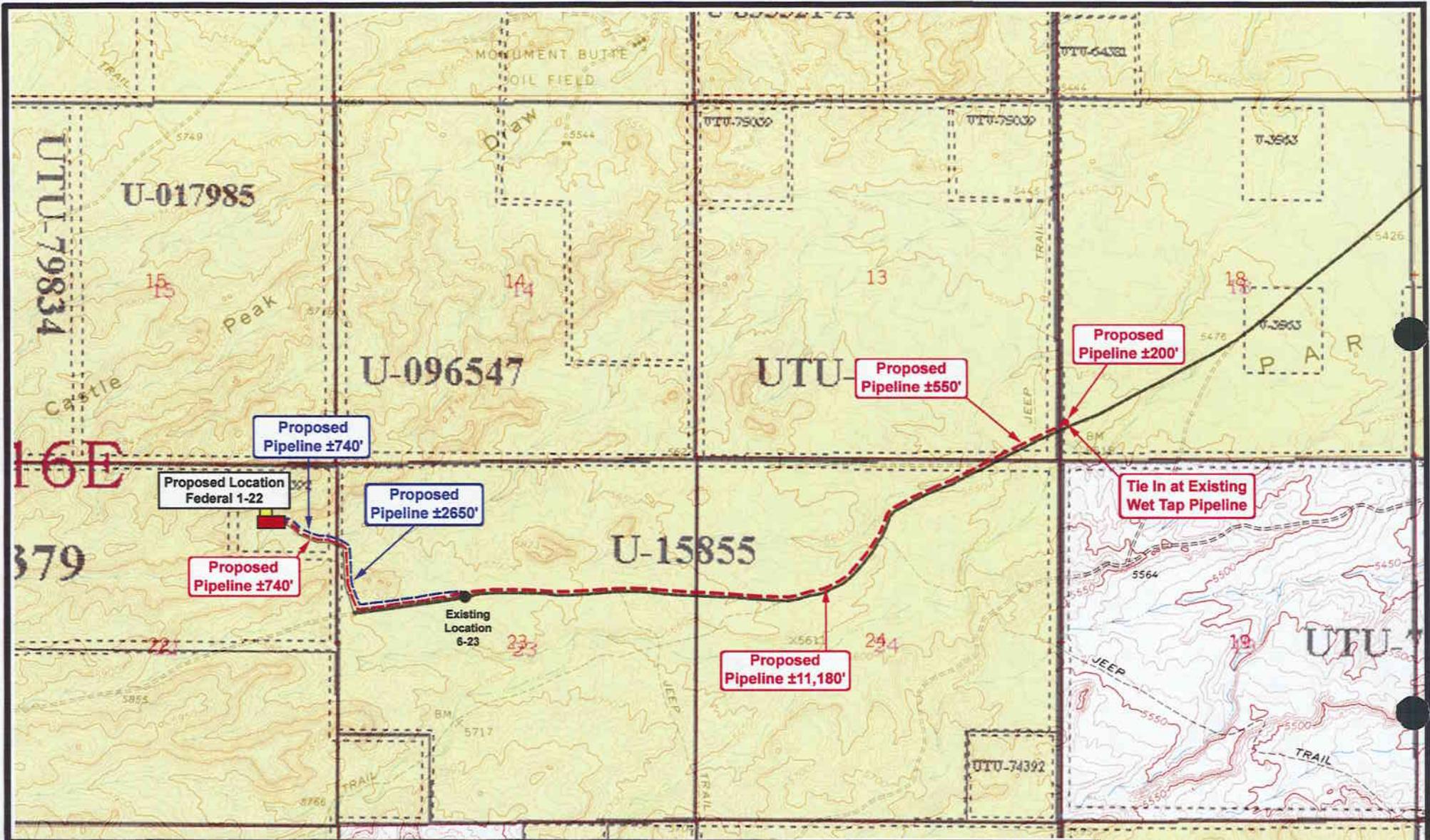
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-29-2004

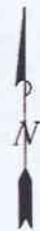
**Legend**

- Existing Road
- Proposed Access
- Access to Upgrade

**"B"**



**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

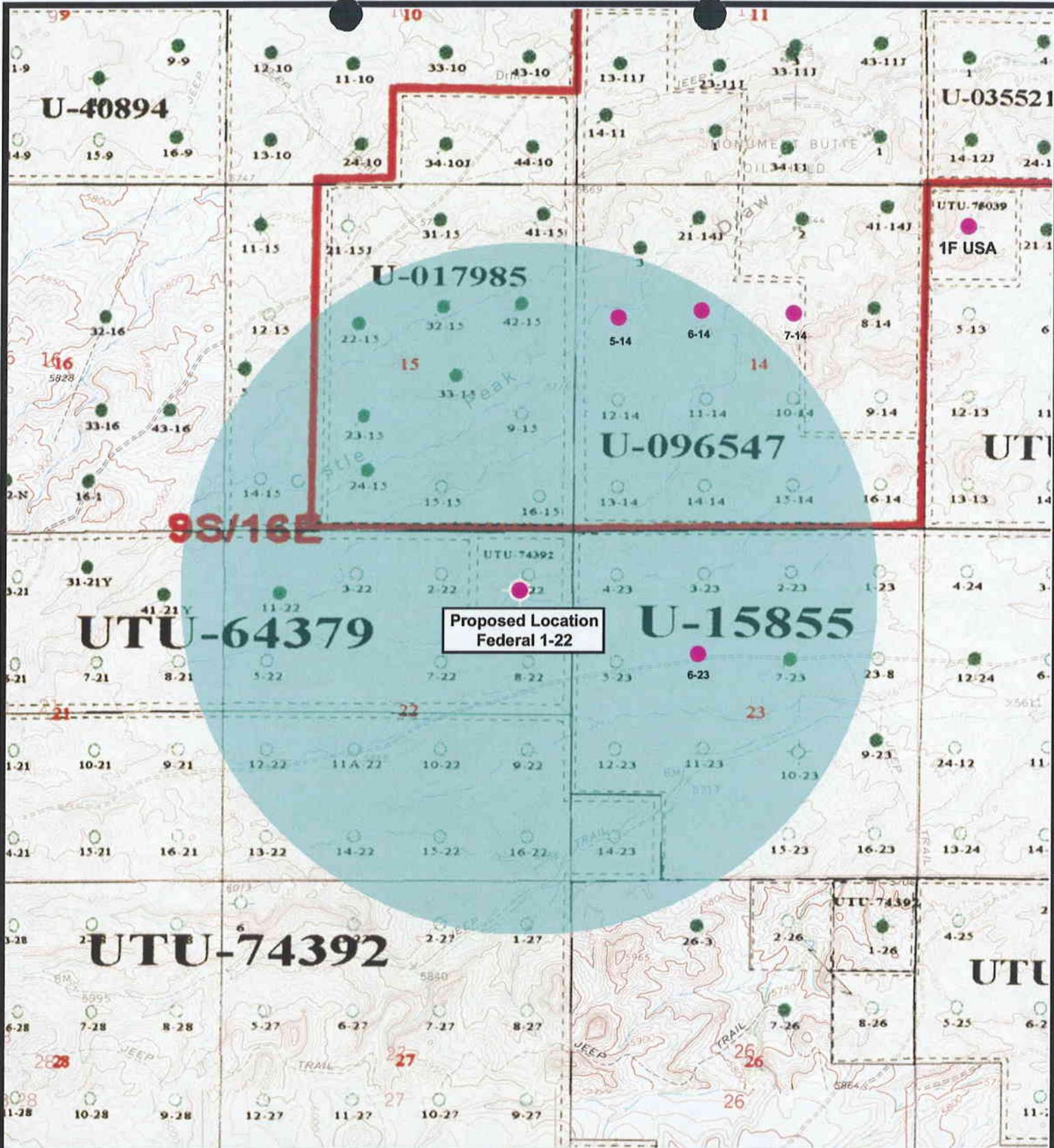
DRAWN BY: mw

DATE: 02-04-2005

Legend	
	Existing Road
	Proposed Access
	Proposed Gas Line
	Proposed Water Line

"C"






**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**




**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-29-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

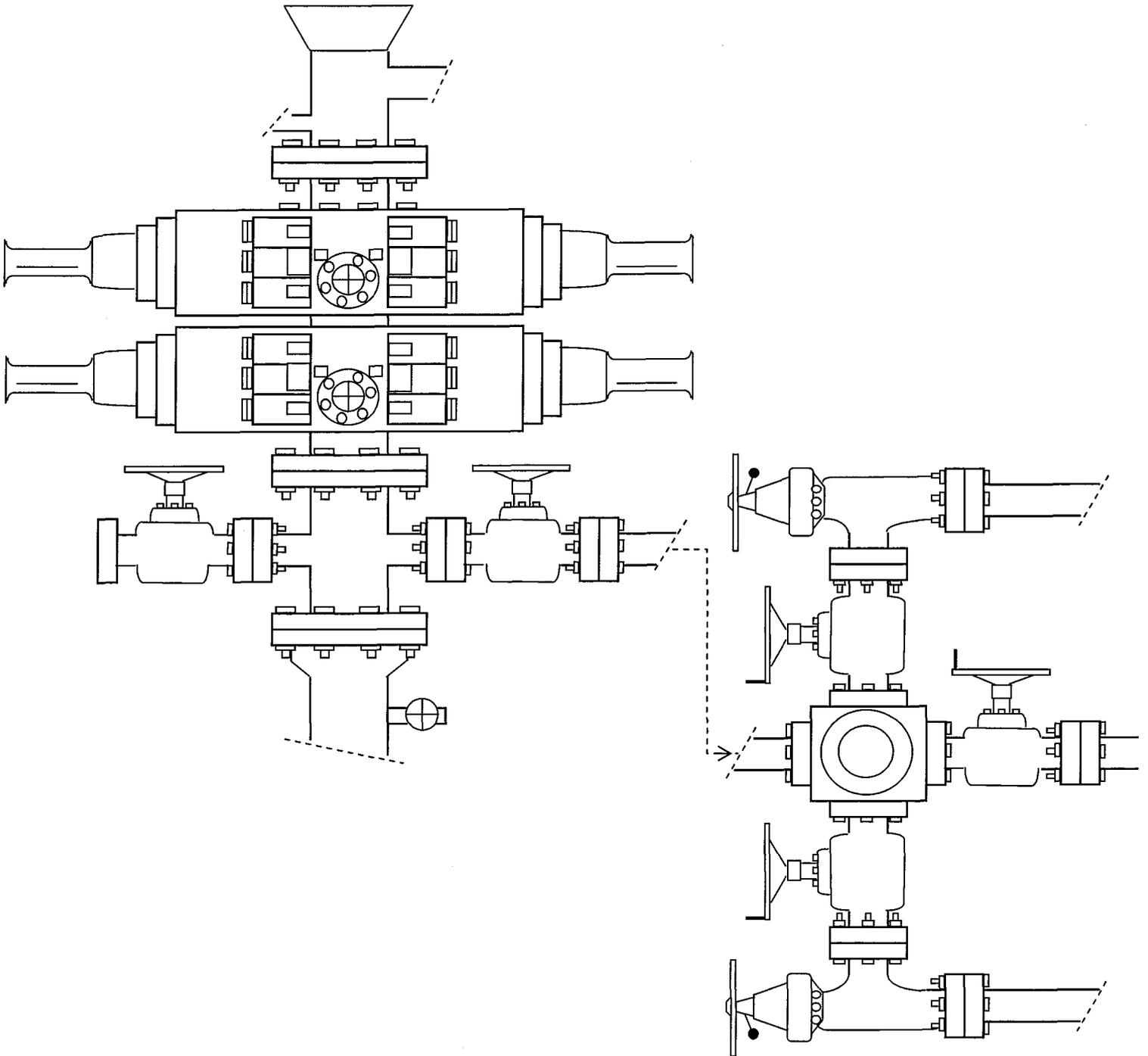


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND Uintah COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW, NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

009

APD RECEIVED: 02/23/2005

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

**AMENDED**

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 22 090S 160E  
SURFACE: 0887 FNL 0963 FEL  
BOTTOM: 0887 FNL 0963 FEL  
DUCHESNE  
MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCS

COALBED METHANE WELL? NO

LATITUDE: 40.02111

LONGITUDE: -110.0988

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

*Sup, Supersite file*

STIPULATIONS:

- 1- Federal Approval*
- 2- Spacing Strip*



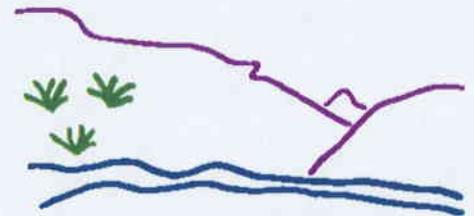
OPERATOR- NEWFIELD PROD CO (N2695)

SEC. 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

**Wells**

- ⊗ GAS INJECTION
- ⊙ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- \* PRODUCING GAS
- PRODUCING OIL
- ⊖ SHUT-IN GAS
- + SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ⚡ WATER DISPOSAL

**Units.shp**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields.shp**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 24-FEBRUARY-2005

007

**NEWFIELD**

March 1, 2005

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Latnie Descau  
Properties Administrator



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 2, 2005  
Amended

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 1-22-9-16 Well, 887' FNL, 963' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Newfield Production Company  
**Well Name & Number** Federal 1-22-9-16  
**API Number:** 43-013-32612  
**Lease:** UTU-74392

**Location:** NE NE                      **Sec.** 22                      **T.** 9 South                      **R.** 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

NEWFIELD



RECEIVED

MAR 04 2005

DIV. OF OIL, GAS &amp; MINING

March 1, 2005

Utah Division of Oil, Gas & Mining  
 P.O. Box 145801  
 Attn: Diana Whitney  
 Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
 887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
 Duchene County, Utah; Lease U-74392

Dear Ms. Whitney:

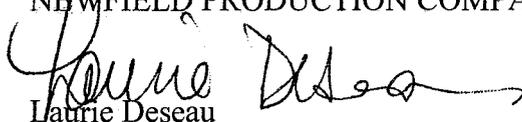
Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
 NEWFIELD PRODUCTION COMPANY

  
 Laurie Deseau  
 Properties Administrator

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1804-0136  
Expires January 31, 2004

5. Lease Serial No.  
UTU-74392  
6. If Indian, Allottee or Tribe Name  
N/A  
7. If Unit or CA Agreement, Name and No.  
N/A  
8. Lease Name and Well No.  
Federal 1-22-9-16  
9. API Well No.

1a. Type of Work:  DRILL  REENTER  
1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052  
3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/NE 887' FNL 963' FEL  
At proposed prod. zone

10. Field and Pool, or Exploratory Monument Units  
11. Sec., T., R., M., or Blk. and Survey or Area  
NE/NE Sec. 22, T9S R16E  
12. County or Parish  
Duchesne  
13. State  
UT

14. Distance in miles and direction from nearest town or post office\*  
Approximately 18.8 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' file, NA limit  
16. No. of Acres in lease  
2080.00  
17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
NA  
19. Proposed Depth  
13,970'

20. BLM/BIA Bond No. on file  
UTU0056  
23. Estimated duration  
Approximately seven (7) days from permit to rig release.

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5742' GL  
22. Approximate date work will start\*  
2nd Quarter 2005

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  
*Mandie Crozier*

Name (Printed/Typed)  
Mandie Crozier  
Date  
2/18/05

Title  
Regulatory Specialist

Name (Printed/Typed)  
Date

Approved by (Signature)  
Title

Name (Printed/Typed)  
Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

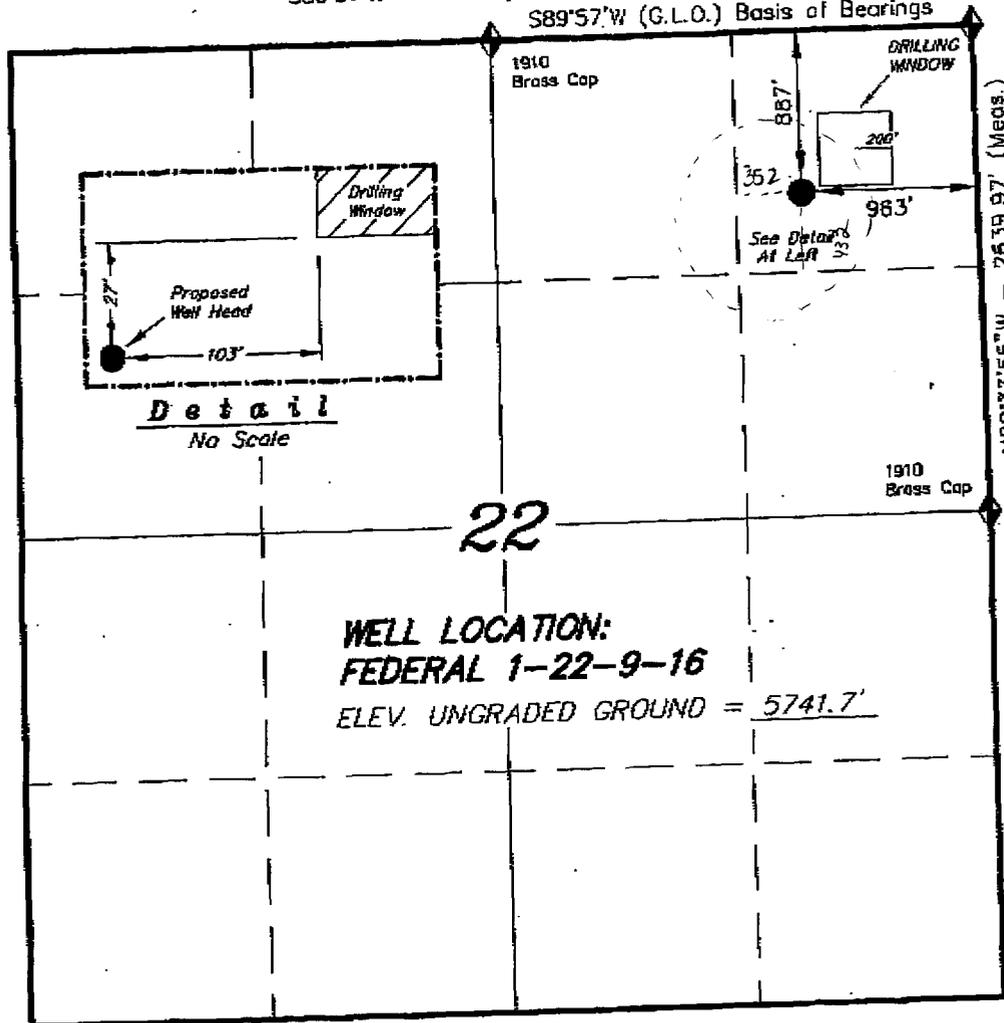
RECEIVED  
MAR 04 2005  
DIV. OF OIL, GAS & MINING

# T9S, R16E, S.L.B.&M.

**NEWFIELD PRODUCTION COMPANY**

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
 S89°57'W (G.L.O.) Basis of Bearings

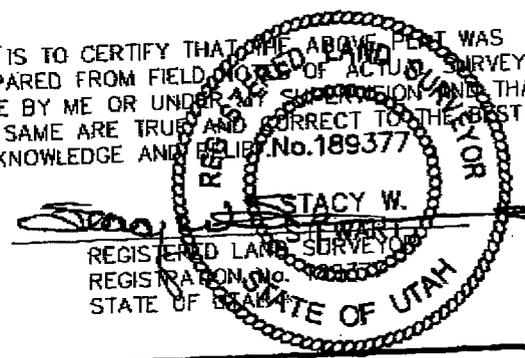
WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
 ELEV. UNGRADED GROUND = 5741.7'



THIS IS TO CERTIFY THAT THE ABOVE PERT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 12-29-04	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

02/28/2005 09:17 4356463001 INLAND PAGE 03



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**013 APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-74392
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 1-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NE 887' FNL 963' FEL At proposed prod. zone		9. API Well No. 43-013-32612
14. Distance in miles and direction from nearest town or post office* Approximatley 18.8 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' f/lease, NA f/unit	16. No. of Acres in lease 2080.00	11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 22, T9S R16E
17. Spacing Unit dedicated to this well 40 Acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	12. County or Parish Duchesne
19. Proposed Depth 13,970'	20. BLM/BIA Bond No. on file UT/0056	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5742' GL	22. Approximate date work will start* 2nd Quarter 2005	23. Estimated duration Approximately seven (7) days from spud to rig release.
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/18/05
Title Regulatory Specialist		
Approved by (Signature): <i>Thomas B. Clavert</i>	Name (Printed/Typed) Thomas B. Clavert	Date 05/18/2005
Title Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

UDOGM

RECEIVED  
MAY 24 2005  
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company.  
Well Name & Number: Federal 1-22-9-16  
API Number: 43-013-32612  
Lease Number: U-74392  
Location: NENE Sec. 22 T. 9S R. 16E  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

As a minimum requirement, the cement behind the production casing must extend a minimum of 200' above the top of any potentially productive zone.

The proposed production casing does not meet the minimum requirement for collapse. The collapse design factor for the production casing must be 1.125 or greater.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**877 FNL 963 FEL NE/NE Section 22, T9S R16E**

5. Lease Designation and Serial No.

**UTU-74392**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 1-22-9-16**

9. API Well No.

**43-013-32612**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Permit Extension**

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 10/18/04 (expiration 10/18/05).

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 10-18-05  
By: [Signature]

**COPY SENT TO OPERATOR**  
Date: 10-20-05  
Initials: CHD

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 10/11/2005  
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**RECEIVED**

**OCT 13 2005** Date \_\_\_\_\_

**DIV OF OIL, GAS & MINING**

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32612  
**Well Name:** Federal 1-22-9-16  
**Location:** NE/NE Section 22, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/18/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No  NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

Mandie Cozies  
Signature

10/10/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**OCT 13 2005**  
**DIV. OF OIL, GAS & MINING**

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 1-22-9-16

Api No: 43-013-32612 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

### **SPUDDED:**

Date 12/26/05

Time 9:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JUSTIN CRUM

Telephone # 1-435-823-6733

Date 12/27/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84062

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
✓ B	99999	14844	43-047-35842	FEDERAL 15-9-9-18	SWSE	9	9S	18E	UINTAH	12/15/05	1/5/06
WELL COMMENTS: <i>GRUV Sundance Unit</i>											
✓ B	99999	12391	43-013-32784	GREATER BOUNDARY 11-20-8-17	SWNE	20	8S	17E	DUCHESNE	12/16/05	1/5/06
WELL COMMENTS: <i>GRUV</i>											
✓ B	99999	14844	43-047-35766	FEDERAL 5-9-9-18	SWNW	9	9S	18E	UINTAH	12/19/05	1/5/06
WELL COMMENTS: <i>GRUV Sundance Unit</i>											
✓ B	99999	14844	43-047-36161	FEDERAL 9-7-9-18	NESE	7	9S	18E	UINTAH	12/21/05	1/5/06
WELL COMMENTS: <i>GRUV Sundance Unit</i>											
✓ B	99999	14844	43-047-36050	FEDERAL 6-9-9-18	SENW	9	9S	18E	UINTAH	12/21/05	1/5/06
WELL COMMENTS: <i>GRUV Sundance Unit</i>											
A	99999	15124	43-013-32612	FEDERAL 1-22-9-16	NENE	22	9S	18E	DUCHESNE	12/26/05	1/5/06
WELL COMMENTS: <i>m NCS</i>											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for control (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

*Kim Kett*  
Signature Kim Kett  
Production Clerk  
Title

RECEIVED  
January 4, 2006

JAN 04 2006

DIV. OF OIL, GAS & MINING

01/04/2006 13:50 4356463831 INLAND PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDERAL 1-22-9-16

9. API Well No.  
4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

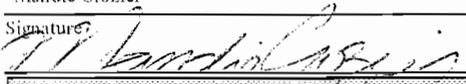
Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Signature: 

Title  
Regulatory Specialist

Date  
01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDERAL 1-22-9-16

9. API Well No.  
4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

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TYPE OF SUBMISSION	TYPE OF ACTION			
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12-26-2005 MIRU Ross # 24. Spud well @ 9:00 AM. Drill 325' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 327.33'/ KB On 12-27-05 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Troy Zufelt	Title Drilling Foreman
Signature 	Date 12/28/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by .....	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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**RECEIVED**

**JAN 09 2006**

(Instructions on reverse)

**NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT**

8 5/8 CASING SET AT 327.33

LAST CASING 8 5/8" set @ 327.33  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 325' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 1-22-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 45.23'					
		WHI - 92 csg head			3rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	3rd	A	315.48
		<b>GUIDE</b> shoe			3rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			317.33
TOTAL LENGTH OF STRING		317.33	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>327.33</b>
TOTAL		315.48	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		315.48	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	12/26/2005	9:00 AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		12/27/2005	12:30 PM	Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		12/27/2005	1:58 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		12/27/2005	2:00 PM				
BEGIN DSPL. CMT		12/27/2005	2:25 PM	BUMPED PLUG TO <u>1000</u> PSI			
PLUG DOWN		12/27/2005	2:30 PM				

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Troy Zufelt DATE 12/27/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

STANDARD INSTRUCTIONS - Other Instructions on reverse side

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
 Newfield Production Company

3a. Address    Route 3 Box 3630  
                   Myton, UT    84052

3b. Phone No. (include are code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 887 FNL 963 FEL  
 NE/NE Section 22 T9S R16E

5. Lease Serial No.  
 UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 FEDERAL 1-22-9-16

9. API Well No.  
 4301332612

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/30/06 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5880'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 139 jt's of 5.5 J-55, 15.5# csgn. Set @ 5869'/KB. Cement with 400 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 25 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 108,000 #'s tension. Release rig @ 6:00 AM on 1/4/06.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Justin Crum	Title Drilling Foreman
Signature 	Date 01/07/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

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(Instructions on reverse)

JAN 13 2006

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5870.53

Ft clr @ 5826.95

LAST CASING 8 5/8" SET AT 327'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 1-22-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # NDSI Rig # 1

TD DRILLER 5880' Loggers TD 5863'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	<b>SHJT</b>	<b>6.03 @ 3709'</b>					
<b>138</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	5826.95
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	44.33
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5871.78
TOTAL LENGTH OF STRING		5871.78	139	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		87.08	2	CASING SET DEPTH			<b>5869.78</b>
<b>TOTAL</b>		<b>5943.61</b>	<b>141</b>	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		5943.61	141				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		1/4/2006	10:00 AM	GOOD CIRC THRU JOB B <u>Yes</u>			
CSG. IN HOLE		1/4/2006	12:30 PM	Bbls CMT CIRC TO SURFACE <u>25 bbls</u>			
BEGIN CIRC		1/4/2006	12:30 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN PUMP CMT		1/4/2006	2:40 PM	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		1/4/2006	3:50 PM	BUMPED PLUG TO <u>1500</u> PSI			
PLUG DOWN		1/4/2006	16:15				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
<b>1</b>	<b>400</b>	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
<b>2</b>	<b>450</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum

DATE 1/4/2006

JAN 13 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDERAL 1-22-9-16

9. API Well No.  
4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

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Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

1-31-06  
CHD

I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date: 1/27/06

Federal Approval Of This  
Action Is Necessary

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(Instructions on reverse)

By: *[Signature]*

JAN 23 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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8. Well Name and No.  
FEDERAL 1-22-9-16

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Monument Butte

11. County or Parish, State  
Duchesne, UT

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address    Route 3 Box 3630  
                  Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

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887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

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TYPE OF SUBMISSION	TYPE OF ACTION			
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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Status report for time period 01/11/06 - 01/19/06

Subject well had completion procedures initiated in the Green River formation on 01-11-06 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5410'-5422'); Stage #2 (4768'-4786'),(4718'-4730'); Stage #3(4002'-4007'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-17-2006. Bridge plugs were drilled out and well was cleaned to 5824'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-19-2006.

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Lana Nebeker	Title Production Clerk
Signature 	Date 02/08/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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(Instructions on reverse)

**RECEIVED**

**FEB 10 2006**

(See other instructions on reverse side)

OMB NO. 1004-0137  
Expires: February 28, 1995

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74392

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

6. IF INDIAN, ALI OTTIE OR TRIBE NAME

NA

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

NA

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.

Federal 1-22-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-32612

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 877' FNL & 963' FEL (NE/NE) Sec. 22, T9S, R16E

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA

Sec. 22, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32612 DATE ISSUED 10/18/04

12. COUNTY OR PARISH  
Duchesne

13. STATE  
UT

15. DATE SPUDDED  
12/26/05

16. DATE T.D. REACHED  
1/3/06

17. DATE COMPL. (Ready to prod.)  
1/19/06

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5742' GL

19. ELEV. CASINGHEAD  
5754' KB

20. TOTAL DEPTH, MD & TVD

5880'

21. PLUG BACK T.D., MD & TVD

5824'

22. IF MULTIPLE COMPL. HOW MANY\*

23. INTERVALS DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4002'-5422'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT (LB./FT.)	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	327'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5870'	7-7/8"	400 sx Premlite II and 450 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

**30. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5502'	TA @ 5403'

**31. PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	SPF/NUMBER
(CP2) 5410'-5422'	.46"	4/48
(B1&2) 4718'-4730', 4768'-4786'	.43"	4/120
(GB6) 4002'-4007'	.43"	4/20

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5410'-5422'	Frac w/ 45,584# 20/40 sand in 483 bbls fluid
4718'-4786'	Frac w/ 124,027# 20/40 sand in 851 bbls fluid
4002'-4007'	Frac w/ 23,163# 20/40 sand in 305 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 1/19/06		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 30 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 84	GAS--MCF 6	WATER--BBL. 0	GAS-OIL RATIO 71
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF	WATER--BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from

*M. Mandel*

**FEB 27 2006**

Regulatory Specialist

2/20/2006

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<b>Well Name Federal 1-22-9-16</b>	Garden Gulch Mkr	3464'	
				Garden Gulch 1	3674'	
				Garden Gulch 2	3786'	
				Point 3 Mkr	4054'	
				X Mkr	4296'	
				Y-Mkr	4329'	
				Douglas Creek Mkr	4444'	
				BiCarbonate Mkr	4680'	
				B Limestone Mkr	4790'	
				Castle Peak	5300'	
				Basal Carbonate	5754'	
				Total Depth (LOGGERS)	5863'	



April 30, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #1-22-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 22-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**MAY 01 2012**

**DIV OF OIL, GAS, & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #1-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**APRIL 30, 2012**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #1-22-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #2-22-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #3-22-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #7-22-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #8-22-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #9-22-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #4-23-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #5-23-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – JONAH FEDERAL #13-14-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – JONAH FEDERAL #9-15-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – JONAH FEDERAL #16-15-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – JONAH #15-15-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 1/12/06 – 1/20/06
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL



# Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

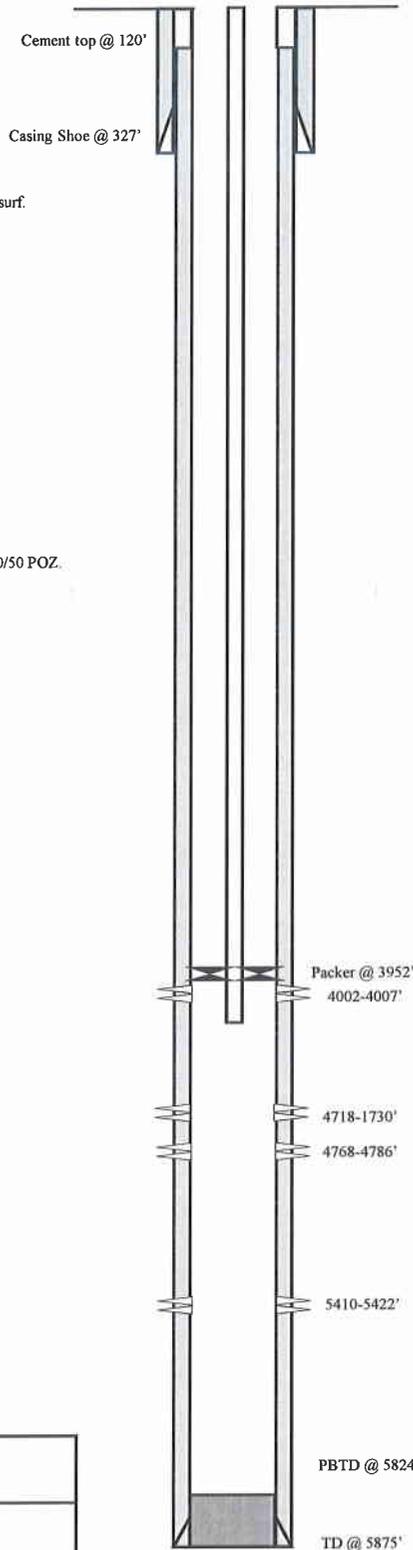
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

## TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5390.80')  
 TUBING ANCHOR: 5403' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5437' KB  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5502' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.
03/22/06		Pump Change. Update rod and tubing details.
9-3-08		Pump Change. Updated rod & tubing details.
7/21/09		Tubing Leak. Updated rod & tubing details.
01/13/2011		Pump Change. Rod & tubing detail updated.

## PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

**NEWFIELD**

---

**Federal 1-22-9-16**  
 887' FNL & 963' FEL  
 NE/NE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32612; Lease #UTU-74392

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #1-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3784' - 5824'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3462' and the TD is at 5875'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #1-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
  - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 327' KB, and 5-1/2", 15.5# casing run from surface to 5870' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1869 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #1-22-9-16, for existing perforations (4002' - 5422') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1869 psig. We may add additional perforations between 3462' and 5875'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #1-22-9-16, the proposed injection zone (3784' - 5824') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

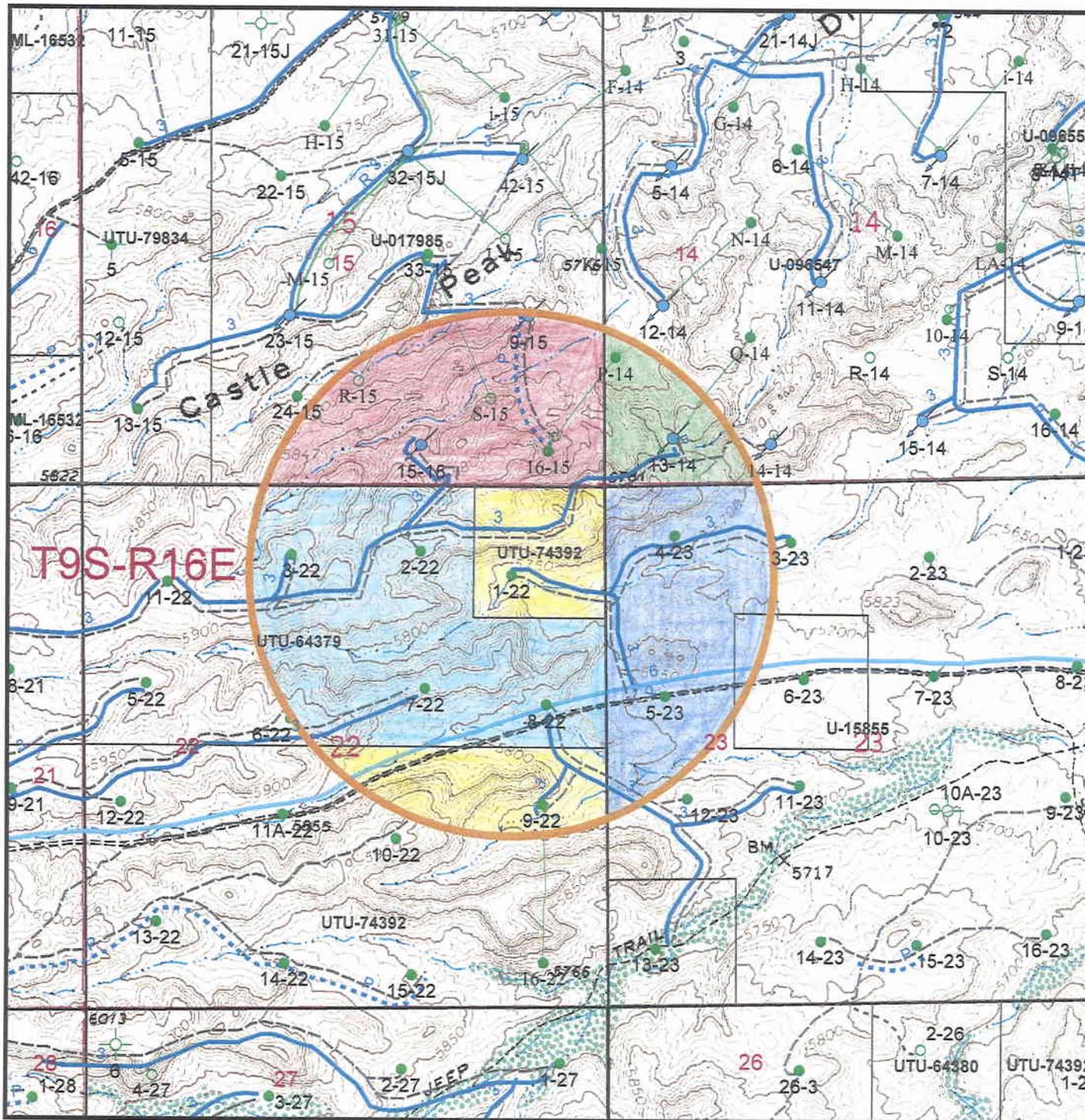
**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.

# ATTACHMENT A



**WellStatus\_HalfMile\_Buffer**

**Well Status**

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In

**Injection system**

- high pressure
- low pressure
- proposed
- return
- return proposed

**Leases**

- Leases
- Mining tracts

**Handwritten Well IDs:**

- UTU-74392
- UTU-64379
- UTU-017985
- UTU-096547
- UTU-15855

Federal 1-22  
Section 22, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS 1 in = 1,500 feet

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

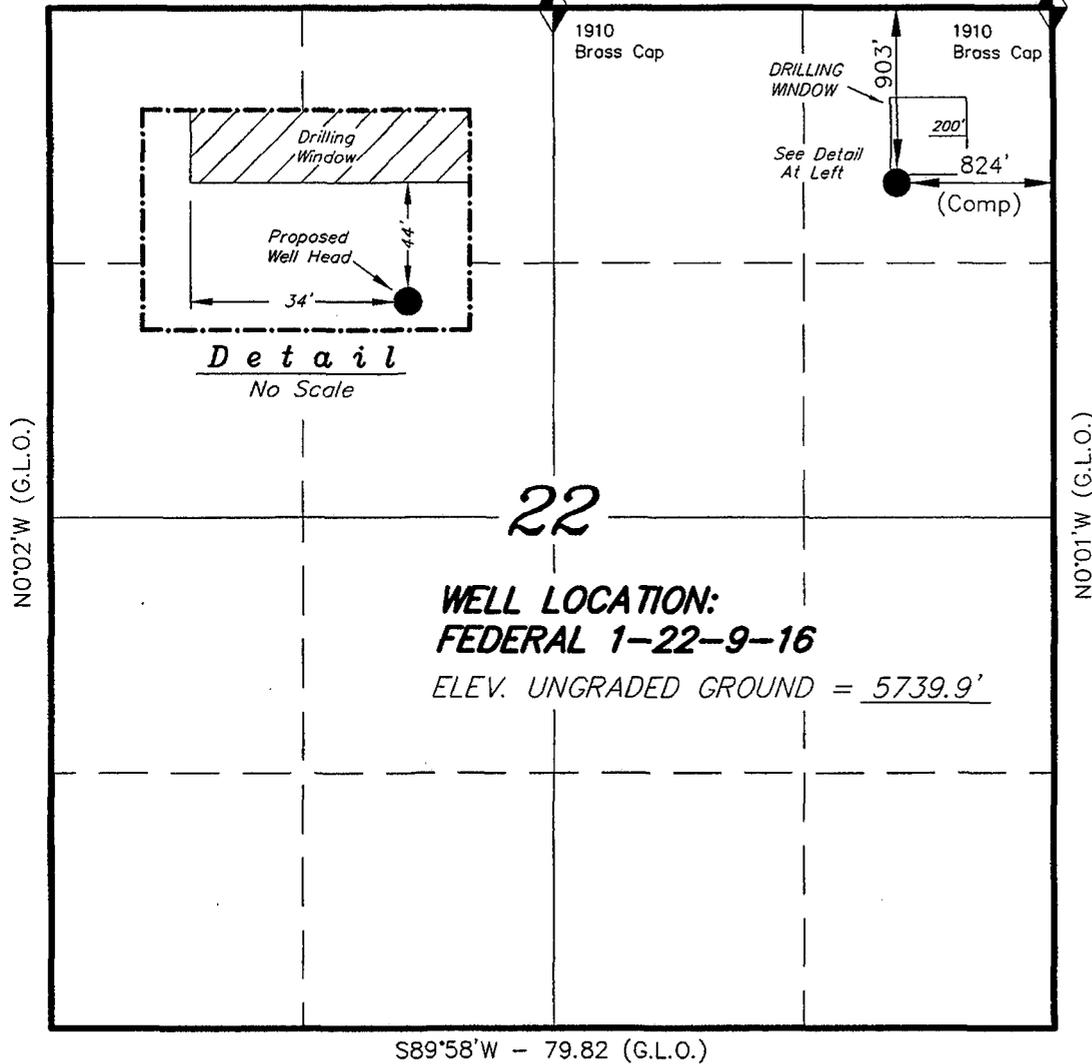
March 13, 2012

## T9S, R16E, S.L.B.&M.

## INLAND PRODUCTION COMPANY

S89°57'W - 79.76 (G.L.O.)  
 2629.75' (Measured)  
 S89°57'W G.L.O. (Basis of Bearings)

WELL LOCATION, FEDERAL 1-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NE  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:  
 The Well Location Bears S42°20'07"W  
 1223.00' From the Northeast Corner  
 of Section 22.

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.

STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

◆ = SECTION CORNERS LOCATED  
 BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3-11-04	DRAWN BY: R.V.C.
NOTES:	FILE #

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: Lots 3, 4, E2SW, SE Section 19: Lots 1,2, NE, E2NW Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU - 64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S -R16E SLM Section 10: S2SE Section 15: E2, E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
4	T9S-R16E SLM Section 11: W2SW, W2SW Section 14: SWNE, S2, S2SE, SESE	USA UTU- 096547 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA

5 T9S-R16E SLM  
Section 23: E2, NW, E2SW, NWSW  
Section 24: N2, SW, N2SE, SWSE

USA  
UTU-15855  
HBP

Newfield Production Company  
Newfield RMI LLC  
Bee Hive Oil LLC  
Journey Properties LLC  
King Oil & Gas of Texas LTD  
Six Gold Oil LLC  
Stone Energy Corp

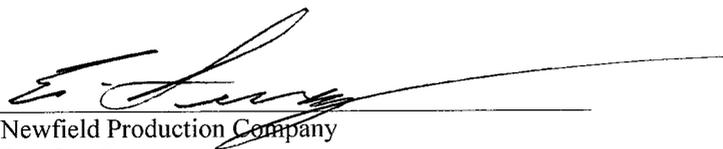
USA

ATTACHMENT C

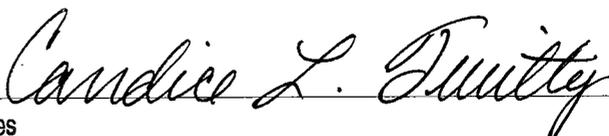
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #1-22-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 30<sup>th</sup> day of April, 2012.

Notary Public in and for the State of Colorado:   
My Commission Expires  
02/10/2013  
My Commission Expires: \_\_\_\_\_



## Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
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 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

### TUBING

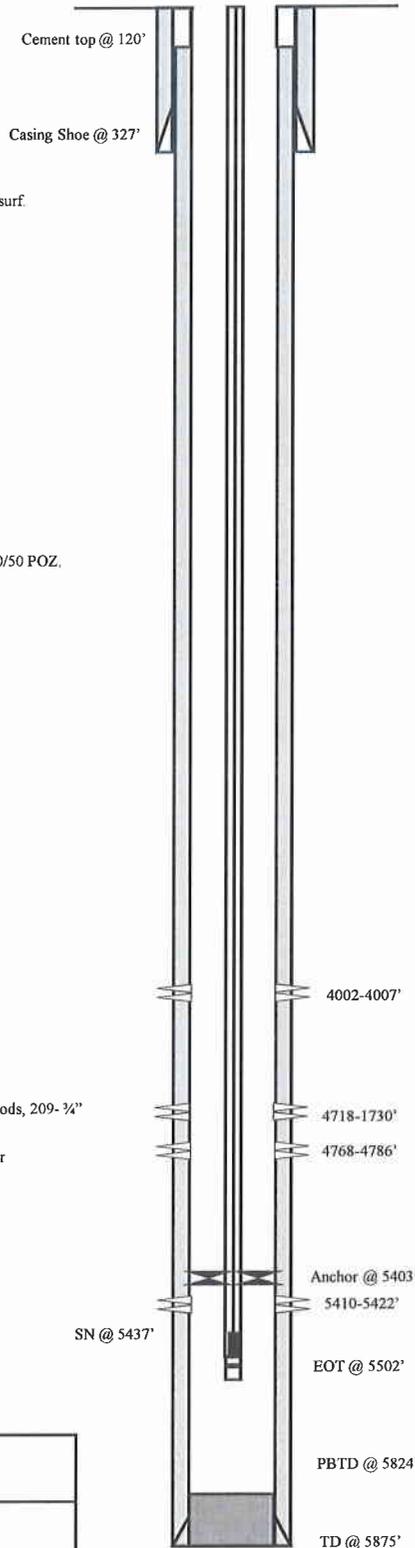
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 170 jts (5390.80')  
 TUBING ANCHOR: 5403' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5437' KB  
 NO. OF JOINTS: 2 jts (63.20')  
 TOTAL STRING LENGTH: EOT @ 5502' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-8" & 1-2" 3/4" pony rods, 100- 3/4" guided rods, 209- 3/4" guided rods, 6-1 1/2" sinker bars, 6-1" Stabilizer Rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

### FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.
03/22/06		Pump Change. Update rod and tubing details.
9-3-08		Pump Change. Updated rod & tubing details.
7/21/09		Tubing Leak. Updated rod & tubing details.
01/13/2011		Pump Change. Rod & tubing detail updated.



### PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

**NEWFIELD**

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**Federal 1-22-9-16**

887' FNL & 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392

# FEDERAL 2-22-9-16

Spud Date: 05/26/07  
 Put on Production: 07/03/07  
 GL: 5860' KB: 5872'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (302 90')  
 DEPTH LANDED: 314 75' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, cir 6 bbls to surf

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 136 jts (5895 76')  
 DEPTH LANDED 5893 76' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP 57' per CBL 6/25/07

### TUBING (GI 7/5/11)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS 178 jts (5515 9')  
 TUBING ANCHOR 5528'  
 NO OF JOINTS 1 jts (31 42')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT: 5562 1'  
 NO OF JOINTS 1 jt (29 82')  
 PAGA: 3-1/2" (5 4')  
 NO OF JOINTS 3 jts (94 7')  
 PBGA: 2-7/8" (0 7')  
 TOTAL STRING LENGTH: EOT @ 5694'

### SUCKER RODS (GI 7/5/11)

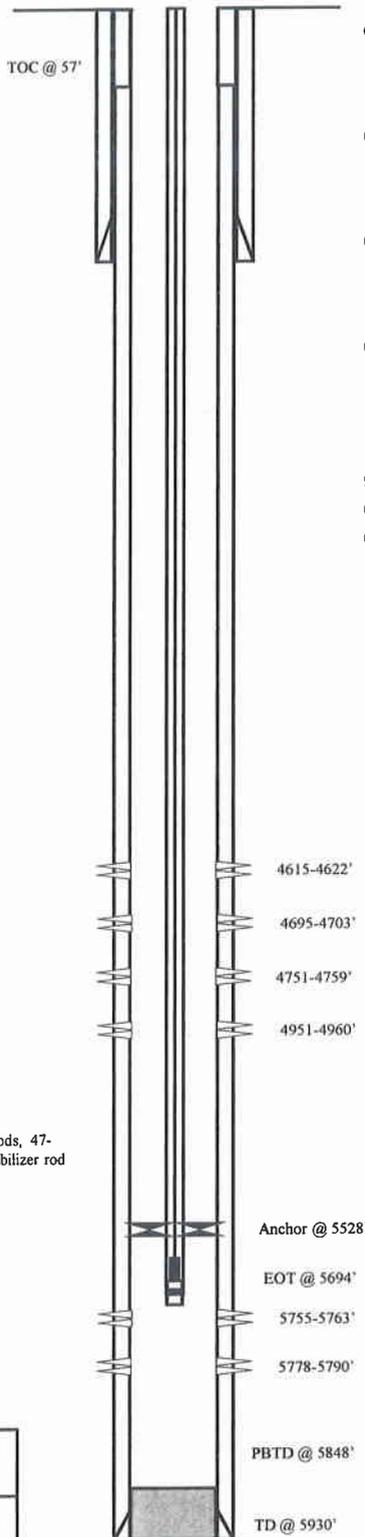
POLISHED ROD: 1-1/2" x 22' polish rod  
 SUCKER RODS 1-2", 4", 8", 8' x 3/4" pony rods, 130-3/4 4 per guided rods, 47-3/4 sucker rods, 37-3/4 4 per guided rods, 6-1 1/2 Sinkers bars, 6-1" Stabilizer rod  
 PUMP SIZE 2-1/2" x 1-1/4" x 12"x16"RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: 5 SPM  
 PUMPING UNIT: Weatherford C-228-213-86

### FRAC JOB

06/27/07	5755-5790'	<b>Frac CP5 sands as follows:</b> 60101# 20/40 sand in 501 bbls Lightning 17 frac fluid Treated @ avg press of 1583 psi w/avg rate of 24 7 BPM ISIP 1950 psi Calc flush: 5753 gal Actual flush: 5166 gal
06/27/07	4951-4960'	<b>Frac A.5 sands as follows:</b> 39988# 20/40 sand in 382 bbls Lightning 17 frac fluid Treated @ avg press of 2087 psi w/avg rate of 24 7 BPM ISIP 2525 psi Calc flush: 4898 gal Actual flush: 4360 gal
06/27/07	4695-4759'	<b>Frac D3 &amp; C sands as follows:</b> 57108# 20/40 sand in 466 bbls Lightning 17 frac fluid Treated @ avg press of 2290 psi w/avg rate of 24 7 BPM ISIP 3228 psi Calc flush: 4693 gal Actual flush: 4158 gal
06/29/07	4615-4622'	<b>Frac D1 sands as follows:</b> 9646# 20/40 sand in 210 bbls Lightning 17 frac fluid Treated @ avg press of 2799 psi w/avg rate of 24 7 BPM ISIP 1928 psi Calc flush: 4613 gal Actual flush: 4536 gal \
9-18-07		Pump Change Updated rod tubing details
05/28/08		Hole in tubing Updated rod and tubing details
07/06/11		Tubing leak Rods & tubing updated

### PERFORATION RECORD

06/25/07	5778-5790'	4 JSPF	48 holes
06/25/07	5755-5763'	4 JSPF	32 holes
06/27/07	4951-4960'	4 JSPF	36 holes
06/27/07	4751-4759'	4 JSPF	32 holes
06/27/07	4695-4703'	4 JSPF	32 holes
06/27/07	4615-4622'	4 JSPF	28 holes



**NEWFIELD**

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**FEDERAL 2-22-9-16**

645' FNL & 1878' FEL

NW/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32958; Lease # UTU-64379

## Fed. #3-22-9-16

Spud Date: 5-31-07  
 Put on Production: 7-4-07  
 GL: 5866' KB: 5878'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (287 98')  
 DEPTH LANDED: 299 83' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sxs Class "G" cement

#### PRODUCTION CASING

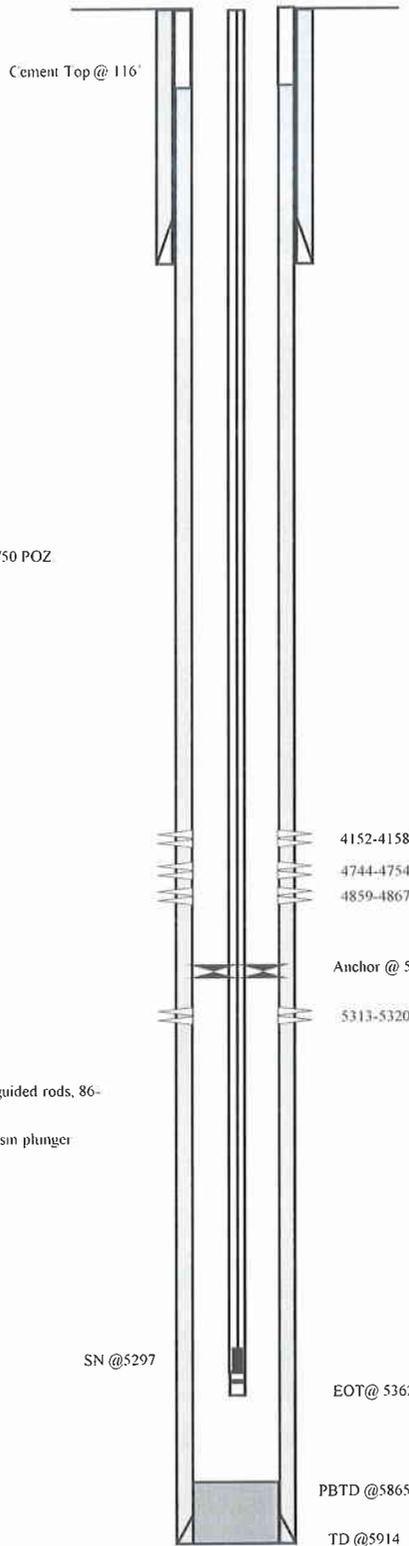
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts (6357 47')  
 DEPTH LANDED: 5910.55' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP: 116'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 169 jts (5263 03')  
 TUBING ANCHOR: 5263' KB  
 NO OF JOINTS: 1 jts (31 60')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5297 40' KB  
 NO OF JOINTS: 2 jts (63 23')  
 TOTAL STRING LENGTH: EOT @ 5362' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rods  
 SUCKER RODS: 1-8", 1-6", 1-4", 1-2", x 3/4" ponies, 99-3/4" guided rods, 86-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12" x 15" RHAC pump w/sin plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED: SPM: 5



#### FRAC JOB

6/29/07 5313-5320' **RU BJ & frac LODC sds as follows:**  
 40,796# 20/40 sand in 411 bbls of Lightning 17 frac fluid. Treated @  
 ave pressure of 3412 w/ ave rate of 22.2 bpm w/ 6.5 ppg of sand. ISIP  
 was 3327. Actual flush: 4830 gals

6/29/07 4859-4867' **RU BJ & frac stage #2 as follows:**  
 34,536#s of 20/40 sand in 354 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 3900 w/ ave rate of 22.1 bpm w/ 6.5 ppg of sand.  
 ISIP was 4200. Actual flush: 2646 gals

6/29/07 4744-4754' **RU BJ & frac stage #3 as follows:**  
 34,902#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 2527 w/ ave rate of 27.6 bpm w/ 6.5 ppg of sand.  
 1144 bbls EWTR. ISIP was 1925. Actual flush: 4242 gals

6/29/07 4152-4158' **RU BJ & frac stage #4 as follows:**  
 44,919#s of 20/40 sand in 372 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 2360 w/ ave rate of 24.7 bpm w/ 8 ppg of sand.  
 1517 bbls EWTR. ISIP was 1900. Actual flush: 5996 gals

12/21/09 Parted Rods. Rod & Tubing updated

#### PERFORATION RECORD

06/29/07	5313-5320'	4 JSPF	28 holes
06/29/07	4859-4867'	4 JSPF	32 holes
06/29/07	4744-4754'	4 JSPF	40 holes
06/29/07	4152-4158'	4 JSPF	24 holes



Federal 3-22-9-16  
 683' FNL & 2079' FWL (NE/NW)  
 Section 22, T9S, R16E  
 Duchesne Co, Utah  
 API #43-013-33024; Lease # UTU-64379

# Federal 7-22-9-16

Spud Date: 3/12/08  
 Put on Production: 04/23/08  
 GL: 5818' KB: 5880'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (323.72')  
 DEPTH LANDED: 336'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

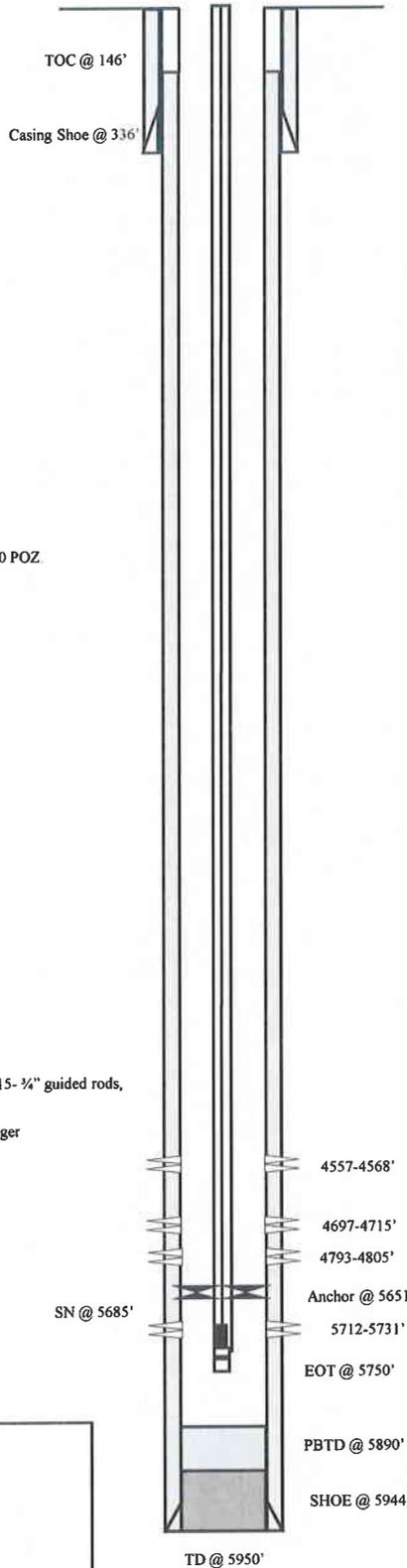
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5930.89')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5944'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 146'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 183 jts (5639.3')  
 TUBING ANCHOR: 5651.2'  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5685.4' KB  
 NO. OF JOINTS: 2 jts (62.90')  
 TOTAL STRING LENGTH: EOT @ 5750' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 115-3/4" guided rods, 67-3/4" guided rods, 40-3/4" guided rods, 6-1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 20' RHAC pump w/ SM plunger  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5



### FRAC JOB

04-17-08	5712-5731'	<b>Frac CP5 sands as follows:</b> Frac with 45958 #'s of 20/40 sand in 460 bbls of Lightning 17 fluid. Treat at an ave pressure of 1725 psi @ 23.3 BPM. ISIP 1824 psi
04-17-08	4793-4805'	<b>Frac B1 sands as follows:</b> Frac with 40109 #'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Treat at an ave pressure of 1811 psi @ 23.3 BPM. ISIP 1936 psi.
04-17-08	4697-4715'	<b>Frac C sands as follows:</b> Frac with 109892 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 2002 psi @ 23.3 BPM. ISIP 2125 psi.
04-17-08	4557-4568'	<b>Frac D1 sands as follows:</b> Frac with 52326 #'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treat at an ave pressure of 2259 psi @ 23.3 BPM. ISIP 2160 psi
04-29-08		Pump change. Tubing and rod details updated.
5/8/2010		Pump changed. Updated rod and tubing detail.

### PERFORATION RECORD

4557-4568'	4 JSPF	44 holes
4697-4715'	4 JSPF	72 holes
4793-4805'	4 JSPF	48 holes
5712-5731'	4 JSPF	76 holes

**NEWFIELD**

**Federal 7-22-9-16**  
 2036' FNL & 1837' FEL  
 SWNE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33027; Lease #UTU-64379

# Federal 8-22-9-16

Spud Date: 11/01/06  
 Put on Production: 12/13/06  
 K.B.: 5791, G.L.: 5779

## Wellbore Diagram

Initial Production: BOPD,  
 MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310 68')  
 DEPTH LANDED: 322 53' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15 5#  
 LENGTH: 133 jts (5837 43')  
 DEPTH LANDED: 5850 68' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 322 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 60'

### TUBING

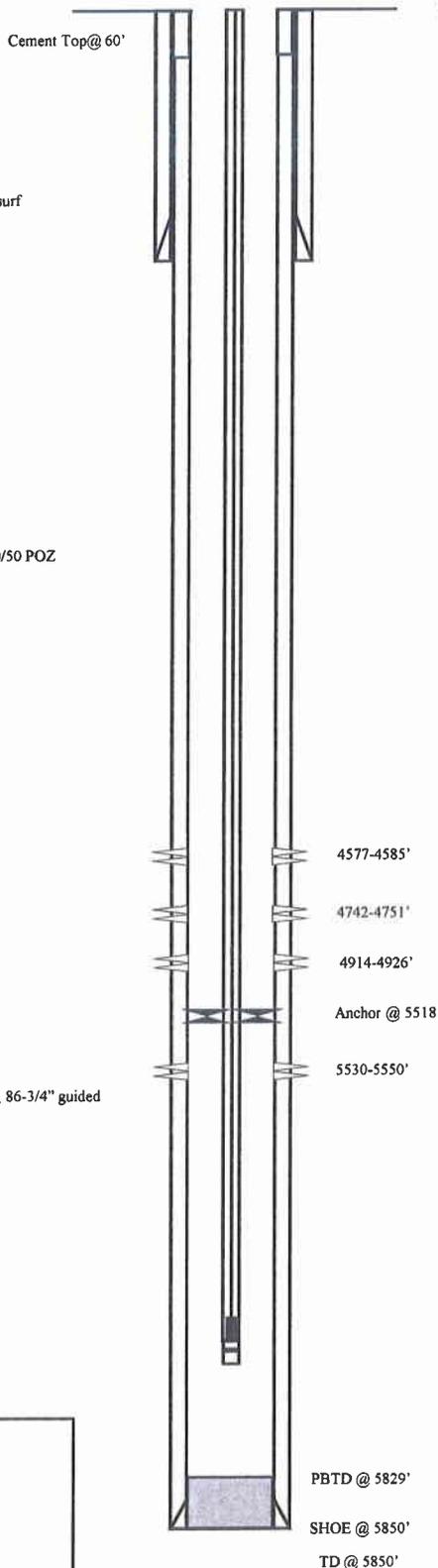
SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS: 175 jts (5517 93')  
 TUBING ANCHOR: 5517 90' KB  
 NO OF JOINTS: 1 jts (31 70')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5552.4' KB  
 NO OF JOINTS: 2 jts (63 10')  
 TOTAL STRING LENGTH: EOT @ 5617' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 2-8' x 3/4" pony rod, 100-3/4" guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC w/SM plunger  
 STROKE LENGTH: 61"  
 PUMP SPEED: 5 SPM

### FRAC JOB

12/08/06	5530-5550'	<b>Frac CP4, sands as follows:</b> 30245# 20/40 sand in 381 bbls Lightning 17 frac fluid Treated @ avg press of 2020 psi w/avg rate of 25 BPM ISIP 1960 psi Calc flush: 5548 gal Actual flush: 4998 gal
12/08/06	4914-4926'	<b>Frac A1 sands as follows:</b> 70951# 20/40 sand in 533 bbls Lightning 17 frac fluid Treated @ avg press of 1762 psi w/avg rate of 25 BPM ISIP 2190 psi Calc flush: 4924 gal Actual flush: 4452 gal
12/08/06	4742-4751'	<b>Frac B2 sands as follows:</b> 29729# 20/40 sand in 414 bbls Lightning 17 frac fluid Treated @ avg press of 2490 psi w/avg rate of 25 BPM ISIP 1950 psi Calc flush: 4749 gal Actual flush: 4242 gal
12/08/06	4577-4585'	<b>Frac C sands as follows:</b> 26560# 20/40 sand in 342 bbls Lightning 17 frac fluid Treated @ avg press of 2804 psi w/avg rate of 25 BPM ISIP psi Calc flush: 4583 gal Actual flush: 4242 gal
07/16/10		Pump Change Rod & Tubing detail



### PERFORATION RECORD

12/05/06	5530-5550'	4 JSPF	80 holes
12/08/06	4914-4926'	4 JSPF	48 holes
12/08/06	4742-4751'	4 JSPF	36 holes
12/08/06	4577-4585'	4 JSPF	32 holes



**Federal 8-22-9-16**  
 2200' FNL & 618' FEL  
 SE/NE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32959; Lease #UTU-64379

Federal 9-22-9-16

Spud Date: 4-19-2007  
 Put on Production: 6-08-2007  
 GL: 5803' KB: 5815'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (309 25')  
 DEPTH LANDED 322 91' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 133 jts (5855 48')  
 DEPTH LANDED 5852.48' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP AT 68'

TUBING

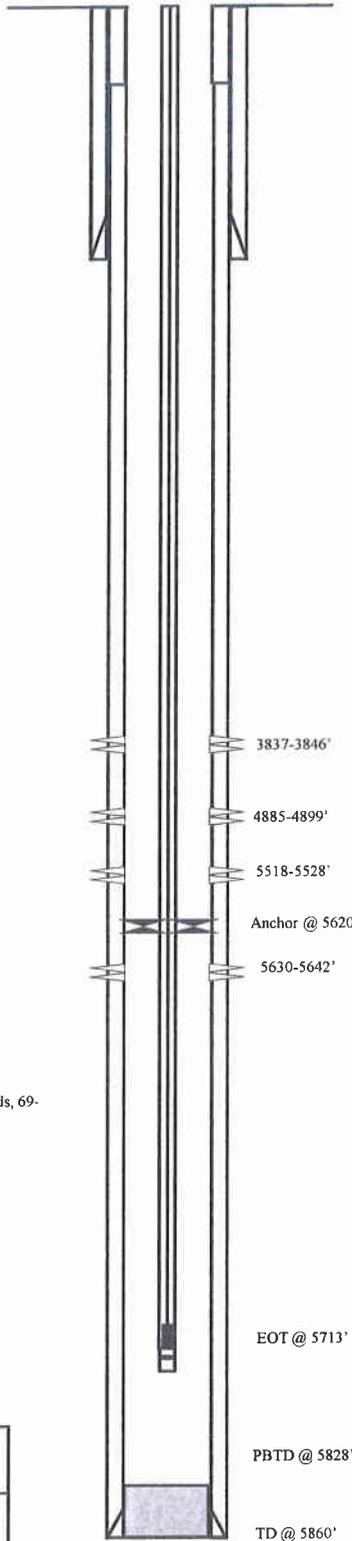
SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 182 jts (5608 ')  
 TUBING ANCHOR 5620'  
 NO OF JOINTS 1 jts (28 32')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5651'  
 NO OF JOINTS 2 jts (60 92')  
 TOTAL STRING LENGTH EOT @ 5713'

SUCKER RODS

POLISHED ROD 1-1/2" x 26'  
 SUCKER RODS 1-2", 4", 6' x 8' X 3/4" pony rods, 99- 1/4" guided rods, 69- 3/4" sucker rods, 50- 3/4" guided rods, 6- 1 1/2" sinker bars,  
 PUMP SIZE 2-1/2" x 1-1/4" x 16' x 22' RHAC  
 STROKE LENGTH 120"  
 PUMP SPEED, SPM 5 SPM

FRAC JOB

06-05-07	5630-5642'	<b>Frac CP5 sands as follows:</b> 39984# 20/40 sand in 405 bbls Lightning 17 frac fluid Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM ISIP 2165 psi Calc flush: 5328 gal Actual flush: 5208 gal
06-05-07	5518-5528'	<b>Frac CP4 sands as follows:</b> 25037# 20/40 sand in 336 bbls Lightning 17 frac fluid Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM ISIP 2241 psi Calc flush: 5516 gal Actual flush: 4998 gal
06-05-07	4885-4899'	<b>Frac A1 sands as follows:</b> 59792# 20/40 sand in 485 bbls Lightning 17 frac fluid Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM ISIP 2240 psi Calc flush: 4883 gal Actual flush: 4368 gal
06-05-07	3837-3846'	<b>Frac GB2 sands as follows:</b> 35741# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 1806 w/ avg rate of 24.7 BPM ISIP 2950 psi Calc flush: 3835 gal Actual flush: 3738 gal
12-13-07		Pump Change Updated rod & tubing details
1-30-08		Pump Change Updated rod & tubing details
8-29-08		Pump Change Updated rod & tubing details
1/23/09		Pump Change Updated r & t details
10/05/11		Pump Change Rods & tubing updated



PERFORATION RECORD

05-30-07	5630-5642'	4 JSPF	48 holes
06-05-07	5518-5528'	4 JSPF	40 holes
06-05-07	4885-4899'	4 JSPF	96 holes
06-05-07	3837-3846'	4 JSPF	36 holes

**NEWFIELD**

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**Federal 9-22-9-16**  
 2079' FSL & 668' FEL  
 NE/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33175; Lease # UTU-74392

Federal 4-23-9-16

Spud Date: 01-09-08  
 Put on Production: 3-10-08  
 GL: 5716' KB: 5728'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH 7 jts (312.55')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH 133jts (5715.22')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5728.47'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 134'

**TUBING**

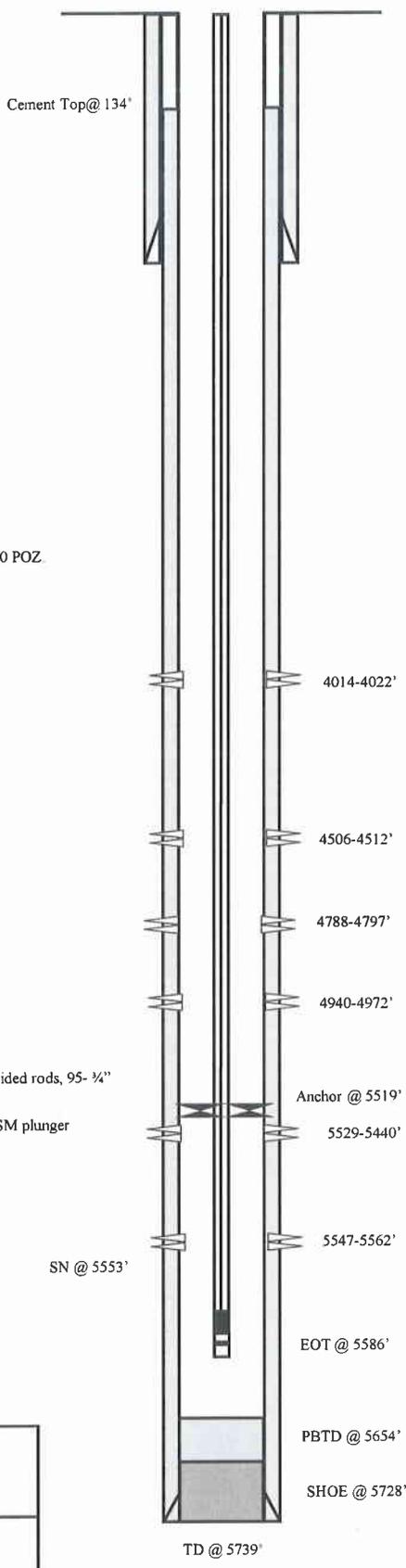
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS 175 jts (5507.16')  
 TUBING ANCHOR: 5519.16'  
 NO. OF JOINTS: 1 jts (31.39')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5553.35' KB  
 NO. OF JOINTS: 1 jts (31.48')  
 TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6', 1-4' & 1-2' X 3/4" ponies, 100-3/4" guided rods, 95- 3/4" plain rods, 20-3/4" guided rods, 6- 1 1/2" weighted bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12" X 15.5' RHAC pump w/ SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4

**FRAC JOB**

- 2-29-08 5547-5562' **Frac CP4 sands as follows:**  
 Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM ISIP 1970 psi.
- 2-29-08 5429-5440' **Frac CP2 sands as follows:**  
 Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM ISIP 1840 psi.
- 2-29-08 4940-4972' **Frac A1 sands as follows:**  
 Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM ISIP 2105 psi.
- 2-29-08 4788-4797' **Frac B2 sand as follows:**  
 Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM ISIP 1945 psi.
- 2-29-08 4506-4512' **Frac D1 sands as follows:**  
 Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM ISIP 1825 psi.
- 2-29-08 4014-4022' **Frac GB6 sands as follows:**  
 Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM ISIP 1880 psi.



**PERFORATION RECORD**

Depth Range	Number of Holes	ISIP
4014-4022'	4 JSPF	32 holes
4506-4512'	4 JSPF	24 holes
4788-4797'	4 JSPF	36 holes
4940-4972'	4 JSPF	128 holes
5429-5440'	4 JSPF	44 holes
5547-5562'	4 JSPF	60 holes

**NEWFIELD**

**Federal 4-23-9-16**  
 499' FNL & 685' FWL  
 NWNW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33177; Lease #UTU-15855

# Federal 5-23-9-16

Spud Date: 1/17/08  
 Put on Production: 3-5-08  
 GL: 5749' KB: 5761'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311 39')  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

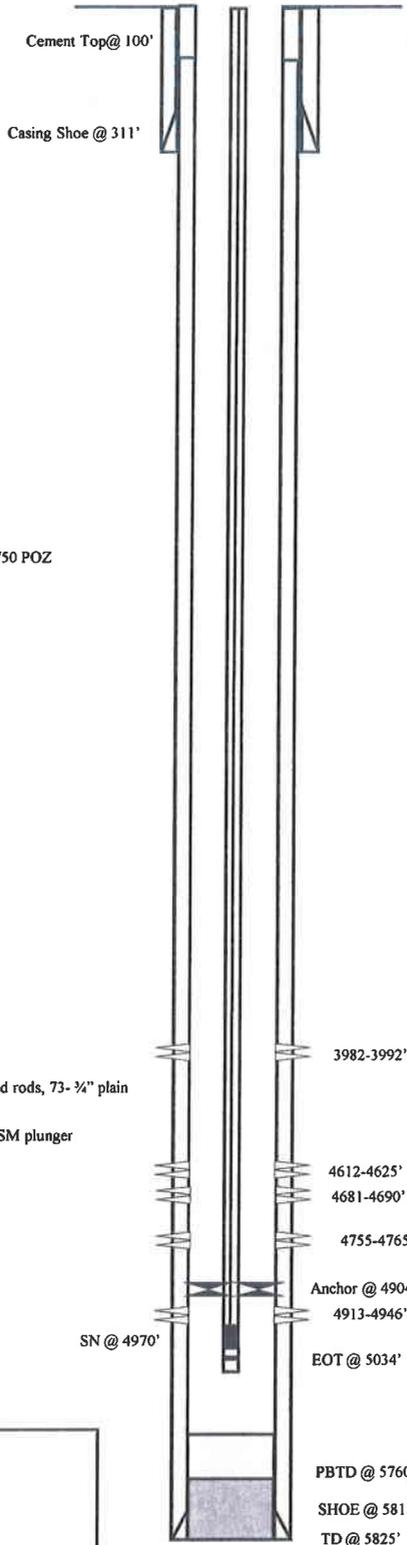
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 146 jts (5781 03')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5814 84'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 100'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 154 jts (4892 46')  
 TUBING ANCHOR: 4904 46'  
 NO OF JOINTS: 2 jts (63 04')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4970 31' KB  
 NO OF JOINTS: 2 jts (62 64')  
 TOTAL STRING LENGTH: EOT @ 5034 50' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 99-3/4" guided rods, 73-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' X 19.5' RHAC pump w/ SM plunger  
 STROKE LENGTH: 120"  
 PUMP SPEED, SPM: 4.5



### FRAC JOB

2-27-08	4913-4946'	<b>Frac A1 sands as follows:</b> Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM ISIP 2132 psi
2-27-08	4755-4765'	<b>Frac B2 sands as follows:</b> Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM ISIP 1900 psi
2-27-08	4681-4690'	<b>Frac B.5 sands as follows:</b> Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM ISIP 1943 psi
2-27-08	4612-4625'	<b>Frac C sand as follows:</b> Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM ISIP 2346 psi
2-27-08	3982-3992'	<b>Frac GB6 sands as follows:</b> Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM ISIP 1825 psi
1/24/09		Pump Change Updated r & t details

### PERFORATION RECORD

3982-3992'	4 JSPF	40 holes
4612-4625'	4 JSPF	52 holes
4681-4690'	4 JSPF	36 holes
4755-4765'	4 JSPF	40 holes
4913-4946'	4 JSPF	132 holes

**NEWFIELD**

**Federal 5-23-9-16**  
 2125' FNL & 595' FWL  
 SWNW Section 23-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32960; Lease #UTU-15855

## Jonah Federal 13-14-9-16

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB 5780'

Injection Wellbore  
Diagram

### SURFACE CASING

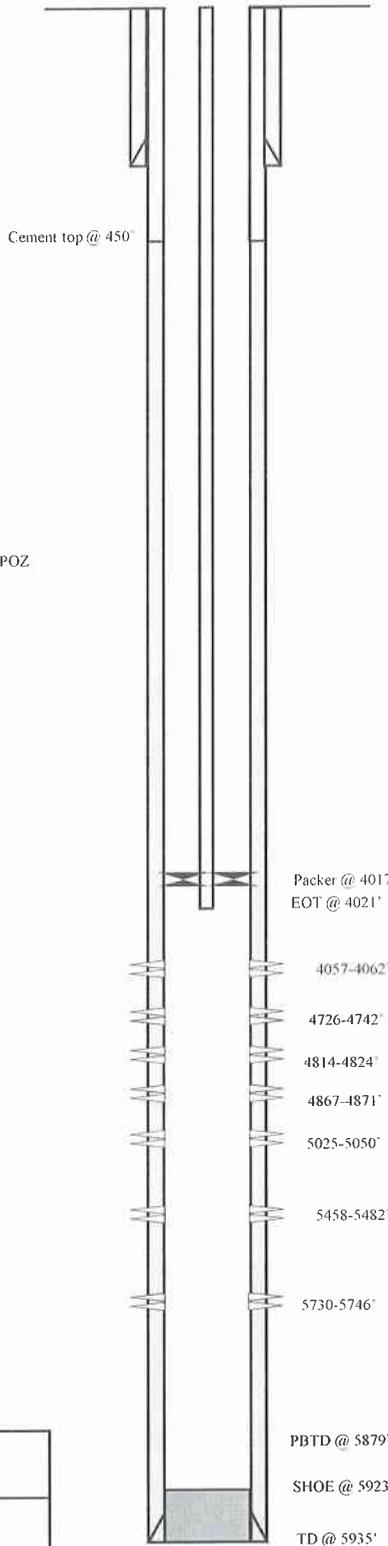
CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (303 95')  
DEPTH LANDED 313 95' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 137 jts (5925 19')  
DEPTH LANDED 5923 19' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 450'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 123 jts (4001 11')  
SN LANDED AT 1 10' @ 4014 21'  
CE @ 4017 51'  
TOTAL STRING LENGTH EOT @ 4021 58' w/12' KB



### FRAC JOB

6-27-05	5730-5746'	<b>Frac CP5 sands as follows:</b> 58406# 20/40 sand in 503 bbls Lightning 17 frac fluid Treated @ avg press of 1678 psi w/avg rate of 25 BPM ISIP 2200 psi Calc flush 5728 gal Actual flush: 5712 gal
6-27-05	5458-5482'	<b>Frac CP1 sands as follows:</b> 78805# 20/40 sand in 609 bbls Lightning 17 frac fluid Treated @ avg press of 1654 psi w/avg rate of 24 7 BPM ISIP 2400 psi Calc flush 5456 gal Actual flush: 5462 gal
6-27-05	5025-5050'	<b>Frac A1/A3 sands as follows:</b> 108479# 20/40 sand in 876 bbls Lightning 17 frac fluid Treated @ avg press of 1560 psi w/avg rate of 24 7 BPM ISIP 2300 psi Calc flush 5023 gal Actual flush: 5082 gal
6-27-05	4814-4871'	<b>Frac B2 &amp; B1 sands as follows:</b> 43548# 20/40 sand in 339 bbls Lightning 17 frac fluid Treated @ avg press of 1606 psi w/avg rate of 24 6 BPM ISIP 2150 psi Calc flush 4812 gal Actual flush: 4872 gal
6-27-05	4726-4742'	<b>Frac C sands as follows:</b> 68949# 20/40 sand in 538 bbls Lightning 17 frac fluid Treated @ avg press of 1590 psi w/avg rate of 24 5 BPM ISIP 2100 psi Calc flush 4724 gal Actual flush: 4704 gal
6-27-05	4057-4062'	<b>Frac GB4 sands as follows:</b> 12976# 20/40 sand in 203 bbls Lightning 17 frac fluid Treated @ avg press of 1956 psi w/avg rate of 24 7 BPM ISIP 1850 psi Calc flush 4055 gal Actual flush: 4704 gal
07/07/06		<b>Pump Change:</b> Updated rod and tbg detail.
01-09-07		<b>Pump Change:</b> Updated rod and tbg detail.
10/20/08		<b>Convert to Injection well</b>
10/24/08		<b>MIT Completed - tbg detail updated</b>

### PERFORATION RECORD

6-22-05	5730-5746'	4 JSPF	64 holes
6-27-05	5458-5482'	4 JSPF	96 holes
6-27-05	5025-5050'	4 JSPF	100 holes
6-27-05	4867-4871'	4 JSPF	16 holes
6-27-05	4814-4824'	4 JSPF	40 holes
6-27-05	4726-4742'	4 JSPF	64 holes
6-27-05	4057-4062'	4 JSPF	20 holes



### Jonah Federal 13-14-9-16

484' FSL & 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32696, Lease #UTU-096547

## Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD.  
 11 MCFD, 59 BWPD

### Injection Wellbore Diagram

#### SURFACE CASING

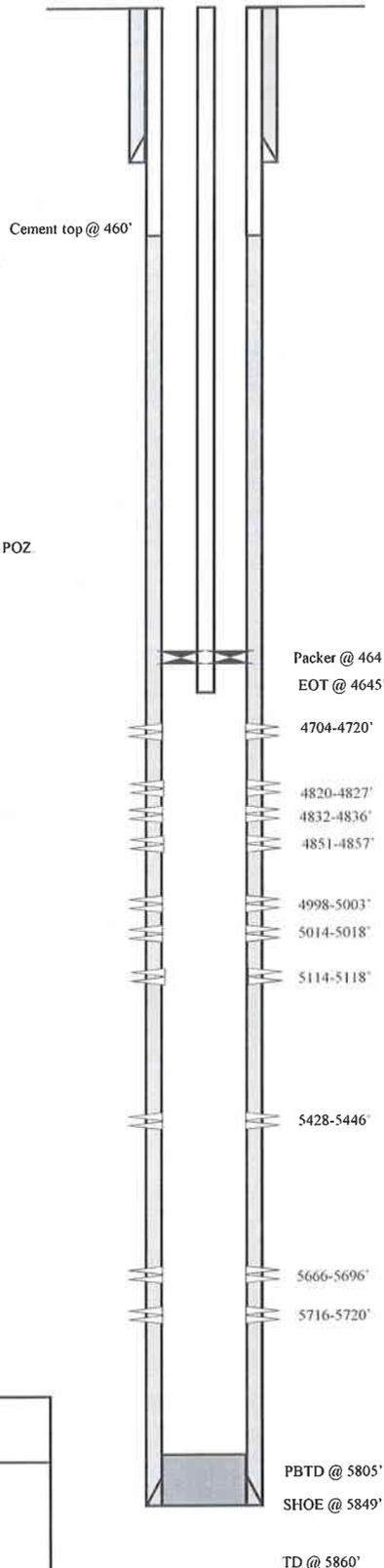
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts ( 302.72 )  
 DEPTH LANDED: 314.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836.02')  
 DEPTH LANDED: 5849.27' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jnts (4436.14')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4636.14' KB  
 TOTAL STRING LENGTH: EOT @ 4644.69' KB



#### FRAC JOB

6-30-05	5666-5696'	<b>Frac CP5 &amp; CP4 sands as follows:</b> 70165# 20/40 sand in 559 bbls Lightning 17 frac fluid Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM ISIP 1800 psi. Calc flush 5664 gal Actual flush 5670 gal
6-30-05	5428-5446'	<b>Frac CPI sands as follows:</b> 57169# 20/40 sand in 486 bbls Lightning 17 frac fluid Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM ISIP 1900 psi. Calc flush 5426 gal Actual flush 5418 gal
7-1-05	4998-5118'	<b>Frac LODC, A1, A3 sands as follows:</b> 34026# 20/40 sand in 343 bbls Lightning 17 frac fluid Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM ISIP 2500 psi. Calc flush 5996 gal Actual flush 4738 gal
7-1-05	4820-4857'	<b>Frac B2 sands as follows:</b> 49623# 20/40 sand in 426 bbls Lightning 17 frac fluid Treated @ ave pressure of 1590 24.5 BPM ISIP 2000 psi. Calc flush 4818 gal Actual flush: 4578 gal
7-1-05	4704-4720'	<b>Frac C sands as follows:</b> 88671# 20/40 sand in 632 bbls Lightning 17 frac fluid 24.5 BPM Treated @ ave pressure of 1714 ISIP 2000 psi. Calc flush 4402 gal Actual flush: 4607 gal
11/14/06		Well converted to an Injection well.
11/21/06		MIT completed and submitted.

#### PERFORATION RECORD

6-24-05	5666-5696'	4 JSPF	120 holes
6-24-05	5716-5720'	4 JSPF	16 holes
6-30-05	5428-5446'	4 JSPF	72 holes
6-30-05	5114-5118'	4 JSPF	16 holes
6-30-05	5014-5018'	4 JSPF	16 holes
6-30-05	4998-5003'	4 JSPF	20 holes
7-1-05	4851-4857'	4 JSPF	24 holes
7-1-05	4832-4836'	4 JSPF	16 holes
7-1-05	4820-4827'	4 JSPF	28 holes
7-1-05	4704-4720'	4 JSPF	64 holes



### Jonah Federal 9-15-9-16

1724' FSL & 782' FEL  
 NE/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32683; Lease #UTU-017985

## Jonah Federal 16-15-9-16

Spud Date: 12/28/05  
 Put on Production: 02/02/06  
 GL: 5704' KB: 5716'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315 16')  
 DEPTH LANDED: 327 01' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

### PRODUCTION CASING

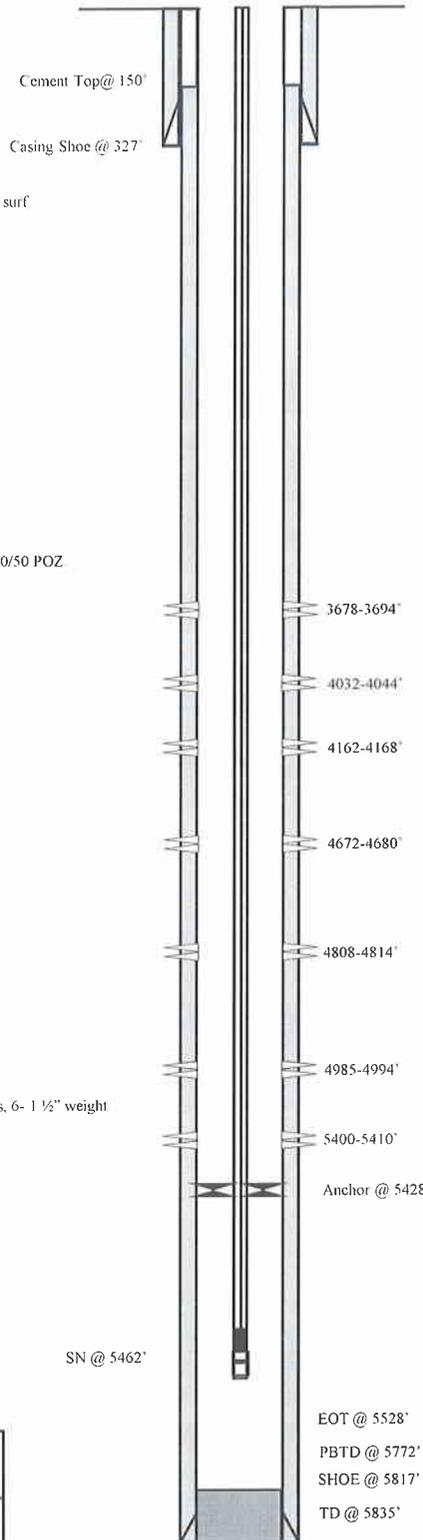
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5818 63')  
 DEPTH LANDED: 5817 88' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem Lite 11 mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 150'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO OF JOINTS: 170 jts (5415 7')  
 TUBING ANCHOR: 5427 7  
 NO OF JOINTS: 1 jts (31 7')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5462.2'  
 NO OF JOINTS: 2 jts (64 4')  
 TOTAL STRING LENGTH: EOT @ 5528'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22"  
 SUCKER RODS: 3-2' x 3/4" pony rods, 212-3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5



### FRAC JOB

01/25/06	5400-5410'	<b>Frac C P1 sands as follows:</b> 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush 5398 gal. Actual flush 4872 gal.
01/25/06	4985-4994'	<b>Frac A3 sands as follows:</b> 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush 4983 gal. Actual flush 4992 gal.
01/25/06	4808-4814'	<b>Frac B2 sands as follows:</b> 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush 4806 gal. Actual flush 4284 gal.
01/25/06	4672-4680'	<b>Frac C sands as follows:</b> 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	<b>Frac PB8, GB6 sands as follows:</b> 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	<b>Frac GG sands as follows:</b> 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush 3676 gal. Actual flush: 3570 gal.

06-26-06 **Parted Rods:** Update rod and tubing details.  
 11-27-06 **Pump Change:** Updated rod and tubing detail  
 9-12-07 **Pump change:** Updated rod & tubing details  
 04/17/08 **Pump change:** Updated rod & tubing details  
 12/11/09 **Tubing leak:** Updated rod and tubing details

### PERFORATION RECORD

01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes



**Jonah Federal 16-15-9-16**  
 512' FSL & 535' FEL  
 SE/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32754; Lease #UTU-17985

## Jonah 15-15-9-16

Spud Date: 01/07/06  
 Put on Production: 02/07/06  
 GL: 5758' KB: 5770'

Initial Production: BOPD.  
 MCFD. BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.55')  
 DEPTH LANDED: 323.40' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

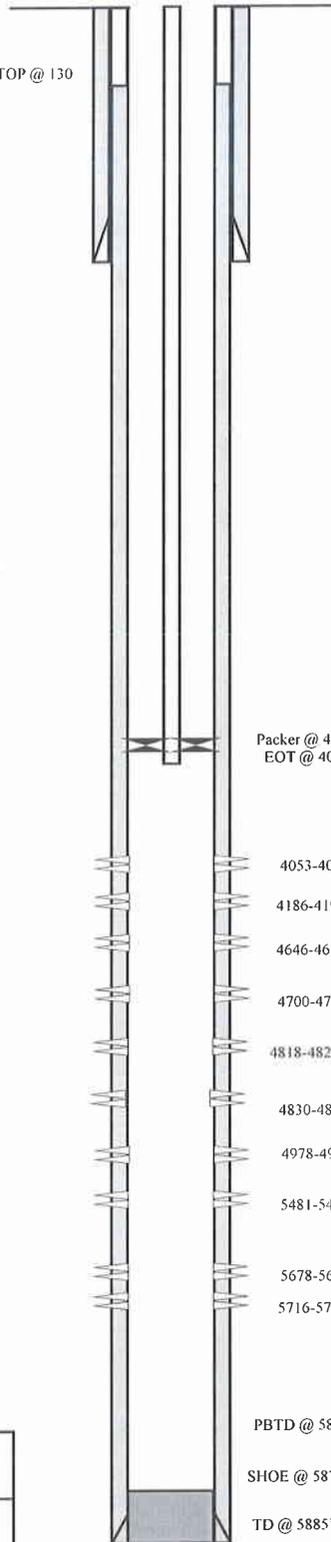
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5874.99')  
 DEPTH LANDED: 5874.24' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP @ 130

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 123 jts (4000.93')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4014.03'  
 TOTAL STRING LENGTH: EOT @ 4021.42'

CEMENT TOP @ 130



**FRAC JOB**

01/31/06	5678-5722'	<b>Frac CP4, CP5 sands as follows:</b> 30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal.
01/31/06	5481-5494'	<b>Frac CP2 sands as follows:</b> 50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.
01/31/06	4978-4983'	<b>Frac A3 sands as follows:</b> 19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.
01/31/06	4818-4835'	<b>Frac B2 sands as follows:</b> 25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.
01/31/06	4646-4657'	<b>Frac D3, C, sands as follows:</b> 98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.
02/01/06	4186-4190'	<b>Frac PB7 sands as follows:</b> 19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.
02/01/06	4053-4059'	<b>Frac GB6 sands as follows:</b> 17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.
04/13/07		<b>Pump Change</b> Update Rod & Tubing
7/30/07		Pump change. Updated rod & tubing detail.
05-21-08		<b>Workover.</b> Updated rod and tubing detail
10/16/08		<b>Well converted to an Injection well.</b>
10/28/08		<b>MIT completed and submitted.</b>

**PERFORATION RECORD**

01/27/06	5716-5722'	4 JSPF	24 holes
01/27/06	5678-5685'	4 JSPF	28 holes
01/31/06	5481-5494'	4 JSPF	52 holes
01/31/06	4978-4983'	4 JSPF	20 holes
01/31/06	4830-4835'	4 JSPF	20 holes
01/31/06	4818-4828'	4 JSPF	20 holes
01/31/06	4700-4708'	4 JSPF	32 holes
01/31/06	4646-4657'	4 JSPF	44 holes
01/31/06	4186-4190'	4 JSPF	16 holes
02/01/06	4053-4059'	4 JSPF	24 holes



**Jonah 15-15-9-16**  
 421' FSL & 1864' FEL  
 SW/SE Section 15-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32753; Lease #UTU-17985

# Jonah Fed Q-14-9-16

Spud Date 12/6/2008  
 Put on Production 1/26/2009  
 GL: 5760' KB: 5772'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (315')  
 DEPTH LANDED 327 16' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sx class 'g'

**PRODUCTION CASING**

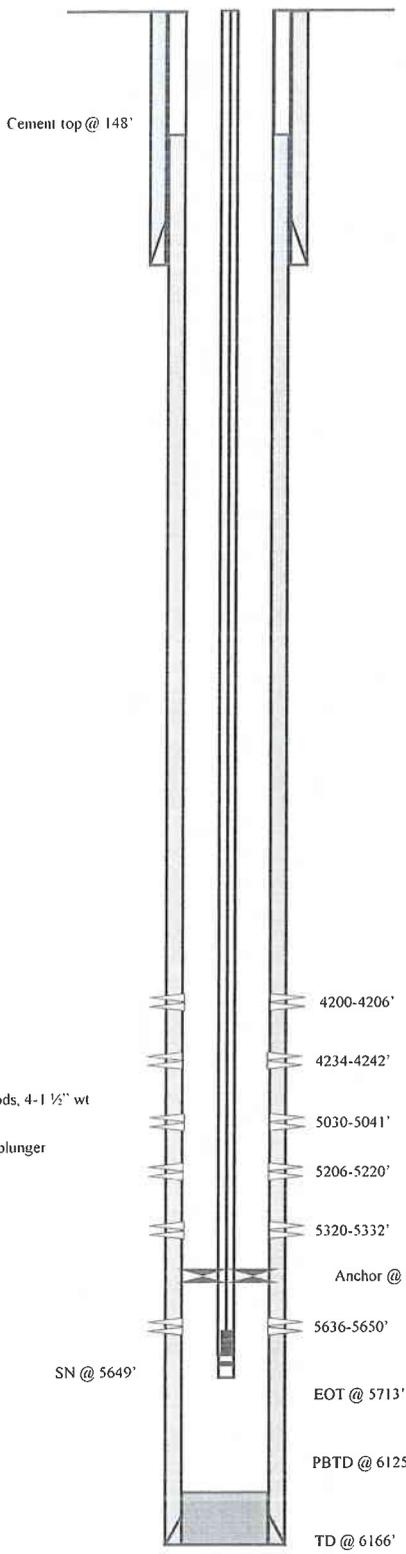
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 160 jts (6351 71')  
 DEPTH LANDED 6164 10'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 275 sx primlite and 400 sx 50/50 poz  
 CEMENT TOP AT 148'

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 179 jts (5602 17')  
 TUBING ANCHOR 5614 17' KB  
 NO OF JOINTS 1 jt (31 10')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5649 07' KB  
 NO OF JOINTS 2 jts (63 21')  
 TOTAL STRING LENGTH EOT @ 5712 73'

**SUCKER RODS**

POLISHED ROD 1 1/2" x 26'  
 SUCKER RODS 2', 2', 6' x 7/8" ponies, 221-7/8" scraped rods, 4-1 1/2" wt bars, shear coupling #21,000  
 PUMP SIZE CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
 STROKE LENGTH 122"  
 PUMP SPEED, SPM 4



**FRAC JOB**

1/14/09 5636-5650' RU BJ & frac CPI sds as follows:  
 50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2289 Actual flush 5170 gals

1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:  
 40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid Treated @ ave pressure of 3291 @ ave rate of 26 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2861 Actual flush 4876 gals

1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:  
 55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2459 Actual flush 4741 gals

1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:  
 40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 1987 Actual flush 4523 gals

1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:  
 38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand ISIP was 2122 Actual flush 4116 gals

8/5/09 Parted rods Updated rod & tubing detail

**PERFORATION RECORD**

Date	Interval	Tool	Holes
1/15/09	4200-4206'	4 JSPF	24 holes
1/15/09	4234-4242'	4 JSPF	32 holes
1/14/09	5030-5041'	4 JSPF	44 holes
1/14/09	5206-5220'	4 JSPF	56 holes
1/15/09	5320-5332'	4 JSPF	48 holes
1/15/09	5636-5650'	4 JSPF	56 holes



**Jonah Q-14-9-16**  
 478' FSL & 703' FWL  
 SW/SW Section 14-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-34041; Lease # UTU-096547

# Federal 6-22-9-16

Spud Date: 3-13-08  
 Put on Production: 5-6-08  
 GL: 5913' KB: 5925'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (290 93')  
 DEPTH LANDED 302 78' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

Cement top @ 196'

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 141 jts (5933 60')  
 DEPTH LANDED 5904' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 196'

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 168 jts (5278 14')  
 TUBING ANCHOR 5290 14' KB  
 NO. OF JOINTS 2 jts (63 11')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5356.05' KB  
 NO OF JOINTS 1 jts (31.47')  
 TOTAL STRING LENGTH EOT @ 5583 08' KB

### SUCKER RODS

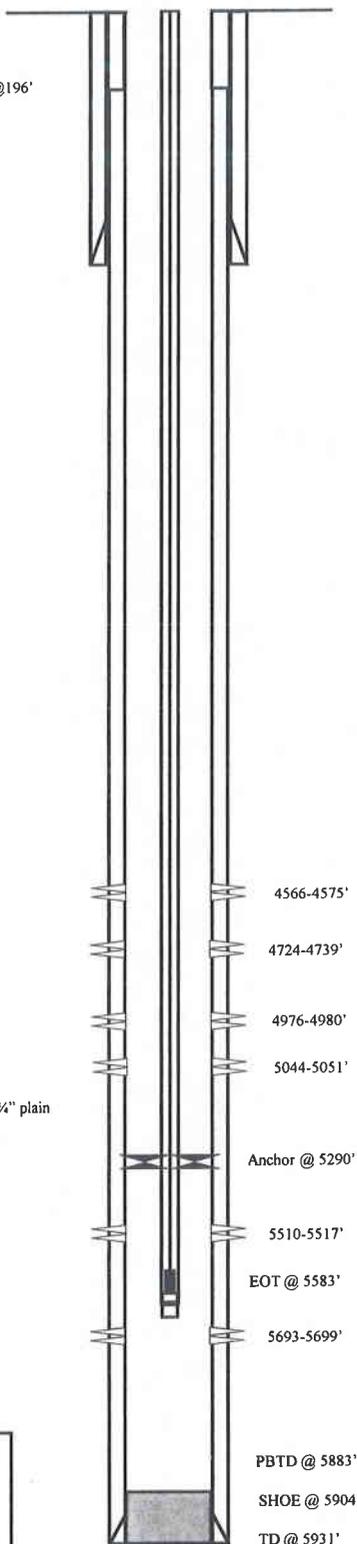
POLISHED ROD 1-1/2" x 26' SM  
 SUCKER RODS 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
 STROKE LENGTH 86"  
 PUMP SPEED, SPM 5 SPM

### FRAC JOB

04-30-08	5693-5699'	<b>Frac CP4 sands as follows:</b> 16361# 20/40 sand in 302 bbls Lightning 17 frac fluid Treated @ avg press of 2441 psi w/avg rate of 23 2 BPM ISIP 2055 psi Calc flush 5691 gal Actual flush 5250 gal
04-30-08	5510-5517'	<b>Frac CP2 sands as follows:</b> 15257# 20/40 sand in 279 bbls Lightning 17 frac fluid Treated @ avg press of 2046 psi w/avg rate of 23 2 BPM ISIP 1762 psi Calc flush 5508 gal Actual flush 4998 gal
04-30-08	4976-5051'	<b>Frac A3, &amp; A1 sands as follows:</b> 14997# 20/40 sand in 235 bbls Lightning 17 frac fluid Treated @ avg press of 2158 psi w/avg rate of 23 2 BPM ISIP 1884 psi Calc flush 4974 gal Actual flush 4494 gal
4-30-08	4724-4739'	<b>Frac C sands as follows:</b> 115315# 20/40 sand in 825 bbls Lightning 17 frac fluid Treated @ avg press of 1876 w/ avg rate of 23 2 BPM ISIP 2044 psi Calc flush 4722 gal Actual flush: 4242 gal
04-30-08	4566-4575'	<b>Frac D1 sands as follows:</b> 40206# 20/40 sand in 394 bbls Lightning 17 frac fluid Treated @ avg press of 1832 w/ avg rate of 23 2 BPM ISIP 1850 psi Calc flush 4564 gal Actual flush 4452 gal

### PERFORATION RECORD

04-24-08	5693-5699'	4 JSPF	24 holes
04-30-08	5510-5517'	4 JSPF	28 holes
04-30-08	5044-5051'	4 JSPF	28 holes
04-30-08	4976-4980'	4 JSPF	16 holes
04-30-08	4724-4739'	4 JSPF	60 holes
04-30-08	4566-4575'	4 JSPF	36 holes



## NEWFIELD

### Federal 6-22-9-16

2340' FNL & 2060' FWL  
 SE/NW Section 22-T9S-R16E  
 Duchesne Co, Utah

API # 43-013-33026; Lease # UTU-34379

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293 76')  
DEPTH LANDED: 305 61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 525 sxs 50/50 POZ.  
CEMENT TOP: 39'

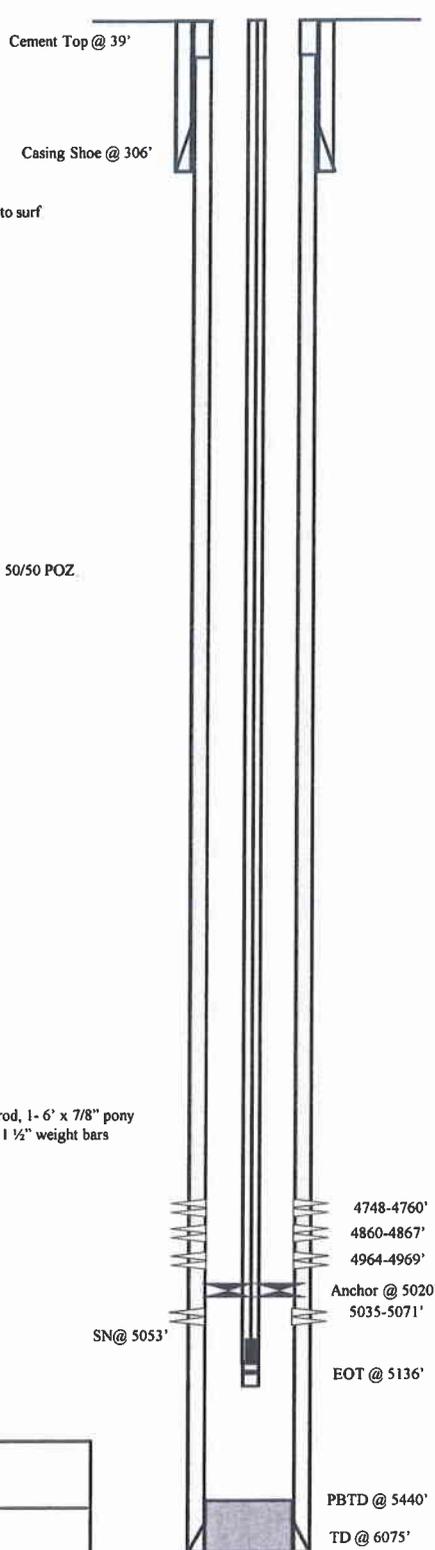
## TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 162 jts (4993 8')  
TUBING ANCHOR: 5005 8' KB  
NO OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5072 8'  
NO OF JOINTS: 2 jts (61 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197- 7/8" guided rods (8 per), 4-3' x 1" pony rods, 4- 1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20'RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

10/05/07	5035-5071'	<b>Frac A1 sands as follows:</b> 140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid Treated @ avg press of 1851 psi w/avg rate of 24 8 BPM ISIP 2081 psi Calc flush: 5033 gal. Actual flush: 4536 gal.
10/06/07	4964-4969'	<b>Frac A.5 sands as follows:</b> 15004# 20/40 sand in 274 bbls Lightning 17 frac fluid Treated @ avg press of 2605 psi w/avg rate of 24 8 BPM ISIP 1909 psi Calc flush: 4962 gal. Actual flush: 4456 gal
10/05/07	4860-4867'	<b>Frac B2 sands as follows:</b> 13965# 20/40 sand in 269 bbls Lightning 17 frac fluid Treated @ avg press of 2130 psi w/avg rate of 24 8 BPM ISIP 1925 psi Calc flush: 4858 gal Actual flush: 4355 gal.
10/05/07	4748-4760'	<b>Frac C sands as follows:</b> 4181# 20/40 sand in 406 bbls Lightning 17 frac fluid Treated @ avg press of 2620 psi w/avg rate of 24 8 BPM ISIP 2235 psi Calc flush: 4746 gal Actual flush: 4662 gal
6/17/08		parted rods Updated rod and tubing detail
11/19/08		Pump Change Updated rod & tubing details
2/13/09		Tubing Leak Updated r & t details
6/18/2010		Tubing leak Updated rod and tubing detail

## PERFORATION RECORD

10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes

**NEWFIELD**

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**FEDERAL 16-22-9-16**

2068'FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

# JONAH P-14-9-16

Spud Date: 10/19/2010

PWOP: 12/14/2010

GL: 5707' KB: 5719'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH 8 jts (336.56')  
 DEPTH LANDED: 346.41' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 180 sxs Class "G" cmt

### PRODUCTION CASING

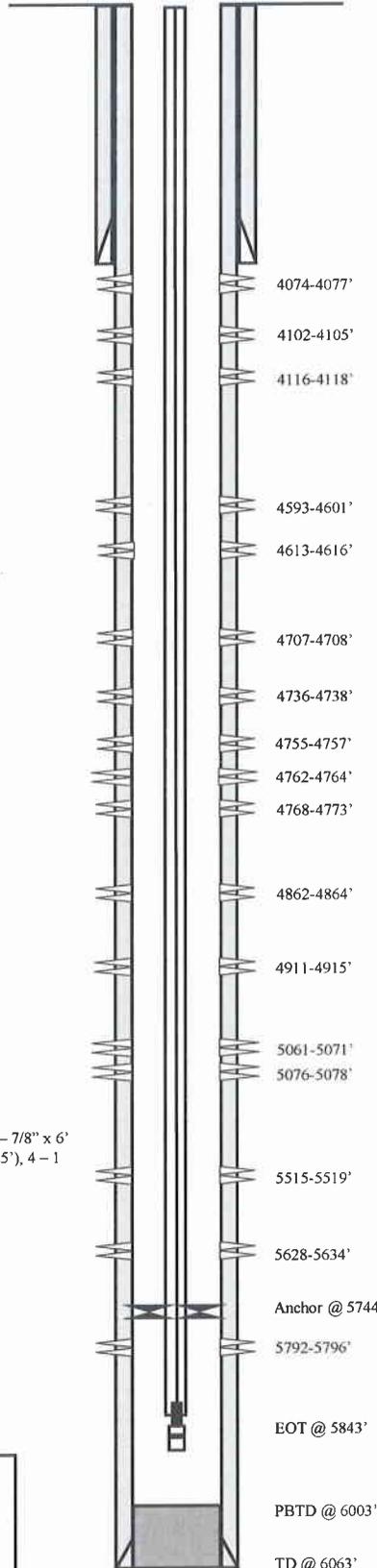
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT: 15.5#  
 LENGTH 143 jts (6034.18')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6047.43' KB  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 430 sxs 50/50 POZ.  
 CEMENT TOP AT: 50'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 187 jts (5744.2')  
 TUBING ANCHOR: 5744.2' KB  
 NO OF JOINTS: 1 jt (31.5')  
 SEATING NIPPLE: 2-7/8" (1.1')  
 SN LANDED AT: 5778.4' KB  
 NO OF JOINTS: 2 jts (62.8')  
 NOTCHED COLLAR: 5842.3' KB  
 TOTAL STRING LENGTH: EOT @ 5843'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod  
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1/2" Sinker Bars (100')  
 PUMP SIZE 2 1/2" x 1 3/4" x 21' x 24' RHAC  
 STROKE LENGTH: 144"  
 PUMP SPEED: 5 SPM



### FRAC JOB

11/30/2010	5515-5796'	<b>Frac CP1, CP3 &amp; CP5, sands as follows:</b> Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover.
12/08/2010	5061-5078'	<b>Frac A1, sands as follows:</b> Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover.
12/08/2010	4862-4915'	<b>Frac B1 &amp; B2, sands as follows:</b> Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover.
12/08/2010	4707-4773'	<b>Frac C &amp; D3, sands as follows:</b> Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover.
12/08/2010	4593-4616'	<b>Frac D1, sands as follows:</b> Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover.
12/08/2010	4074-4118'	<b>Frac GB4 &amp; GB6, sands as follows:</b> Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover.

### PERFORATION RECORD

5792-5796'	3 JSPF	12 holes
5628-5634'	3 JSPF	18 holes
5515-5519'	3 JSPF	12 holes
5076-5078'	3 JSPF	6 holes
5061-5071'	3 JSPF	30 holes
4911-4915'	3 JSPF	12 holes
4862-4864'	3 JSPF	6 holes
4768-4773'	3 JSPF	15 holes
4762-4764'	3 JSPF	6 holes
4755-4757'	3 JSPF	6 holes
4736-4738'	3 JSPF	6 holes
4707-4708'	3 JSPF	3 holes
4613-4616'	3 JSPF	9 holes
4593-4601'	3 JSPF	24 holes
4116-4118'	3 JSPF	6 holes
4102-4105'	3 JSPF	9 holes
4074-4077'	3 JSPF	9 holes

## NEWFIELD



### Jonah P-14-9-16

513' FSL & 510' FEL (SE/SE)  
 Section 14, T9S, R16E  
 Duchesne County, Utah  
 API #43-013-.34124; Lease # UTU-017985

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **SWDIF**  
 Sample Point: **After production filter**  
 Sample Date: **12/9/2011**  
 Sample ID: **WA-204150**

Sales Rep: **Darren Betts**  
 Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
 Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/9/2011	Sodium (Na):	6799.09	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	26.10	Sulfate (SO4):	2.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	9.40	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	26.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	24.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.47	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	17913.62	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.70	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.06	Silica (SiO2):	0.00
H2S in Water (mg/L):	10.00				

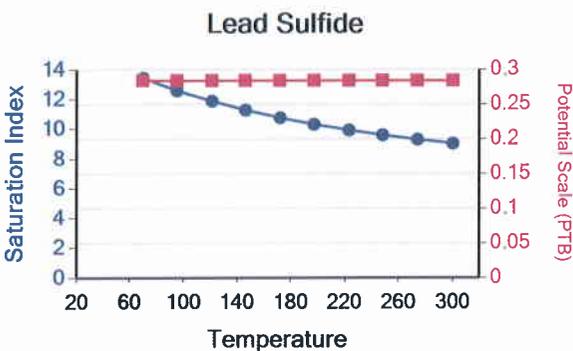
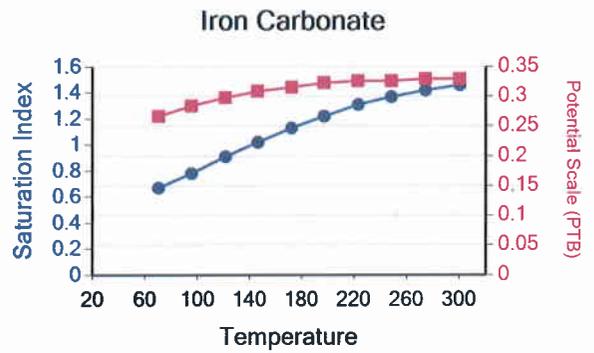
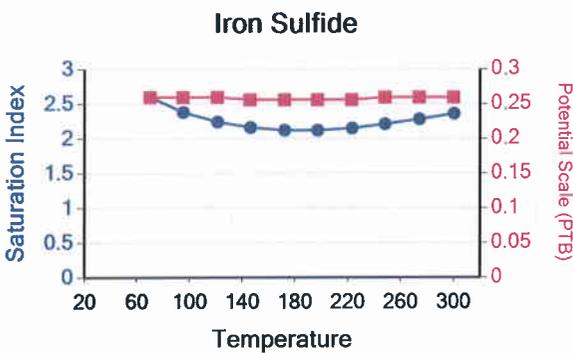
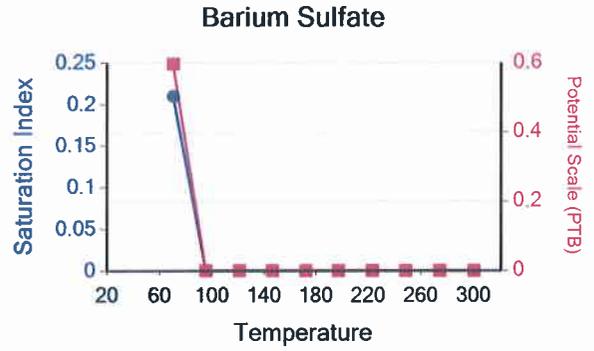
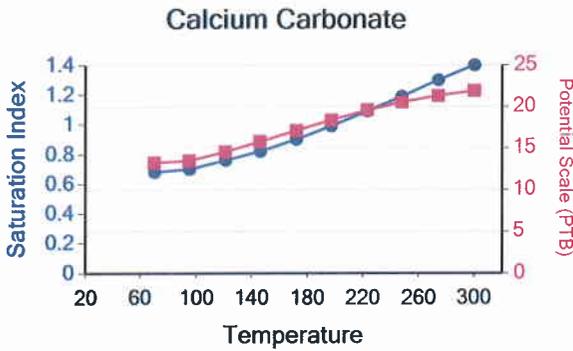
Notes:

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Temp (°F)	PSI	Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide



Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FEDERAL 1-22-9-16**  
Sample Point: **Treater**  
Sample Date: **3/20/2012**  
Sample ID: **WA-210167**

Sales Rep: **Darren Betts**  
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	3/29/2012	Sodium (Na):	9449.63	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	39.50	Sulfate (SO <sub>4</sub> ):	310.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	2.20	Bicarbonate (HCO <sub>3</sub> ):	7637.20
System Temperature 2 (°F):	70.00	Calcium (Ca):	11.40	Carbonate (CO <sub>3</sub> ):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH <sub>3</sub> COO)	0.00
Calculated Density (g/ml):	1.02	Barium (Ba):	1.20	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	0.00
pH:	9.80	Iron (Fe):	22.90	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	0.00
Calculated TDS (mg/L):	27475.73	Zinc (Zn):	0.70	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	0.00
CO <sub>2</sub> in Gas (%):	0.00	Lead (Pb):	0.30	Fluoride (F):	0.00
Dissolved CO <sub>2</sub> (mg/L):	0.00	Ammonia NH <sub>3</sub> :	0.00	Bromine (Br):	0.00
H <sub>2</sub> S in Gas (%):	0.00	Manganese (Mn):	0.70	Silica (SiO <sub>2</sub> ):	0.00
H <sub>2</sub> S in Water (mg/L):	25.00				

Notes:

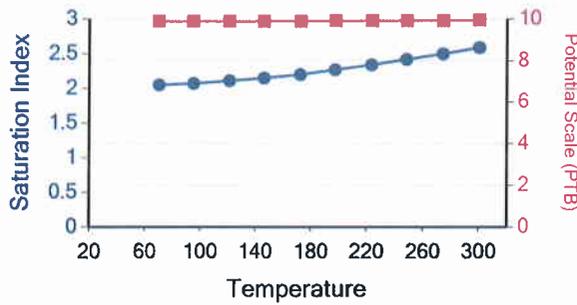
(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	2.05	9.89	0.81	0.60	5.86	12.64	3.84	16.65	0.00	0.00	0.00	0.00	0.00	0.00	12.88	0.36
95	346	2.07	9.89	0.57	0.52	5.63	12.64	3.96	16.65	0.00	0.00	0.00	0.00	0.00	0.00	12.35	0.36
121	678	2.11	9.90	0.38	0.41	5.46	12.64	4.06	16.65	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.36
146	1009	2.15	9.91	0.23	0.29	5.35	12.64	4.15	16.65	0.00	0.00	0.00	0.00	0.00	0.00	11.50	0.36
172	1341	2.20	9.92	0.11	0.16	5.28	12.64	4.23	16.65	0.00	0.00	0.00	0.00	0.00	0.00	11.17	0.36
197	1673	2.27	9.93	0.03	0.05	5.25	12.64	4.30	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.88	0.36
223	2004	2.34	9.93	0.00	0.00	5.24	12.64	4.36	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.62	0.36
248	2336	2.42	9.94	0.00	0.00	5.25	12.64	4.41	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.39	0.36
274	2668	2.50	9.95	0.00	0.00	5.27	12.64	4.44	16.65	0.00	0.00	0.00	0.00	0.00	0.00	10.18	0.36
300	3000	2.59	9.95	0.00	0.00	5.30	12.64	4.45	16.65	0.00	0.00	0.00	0.00	0.00	0.00	9.98	0.36

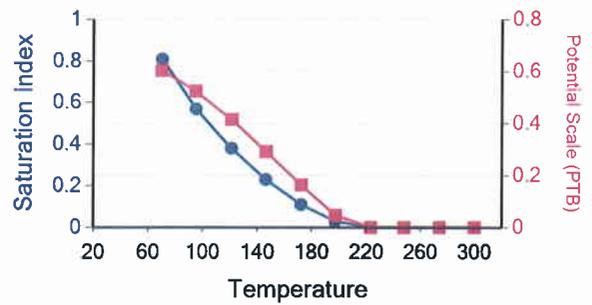
Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	1.81	0.46	14.92	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	2.15	0.47	14.06	0.12	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	2.45	0.47	13.32	0.12	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.47	12.69	0.12	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	2.92	0.47	12.14	0.12	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	3.10	0.47	11.66	0.12	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	3.25	0.47	11.23	0.12	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	3.36	0.47	10.85	0.12	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	3.44	0.47	10.51	0.12	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	3.49	0.47	10.19	0.12	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

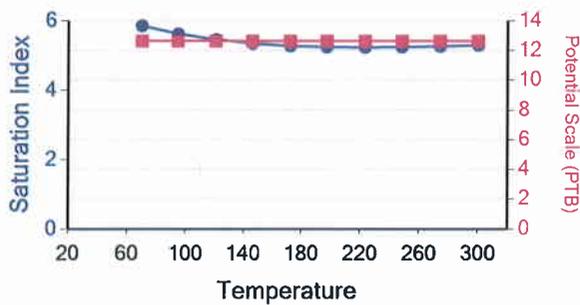
Calcium Carbonate



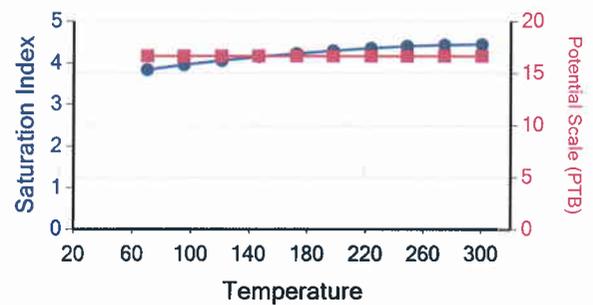
Barium Sulfate



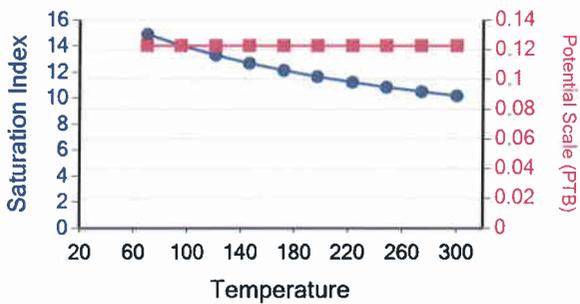
Iron Sulfide



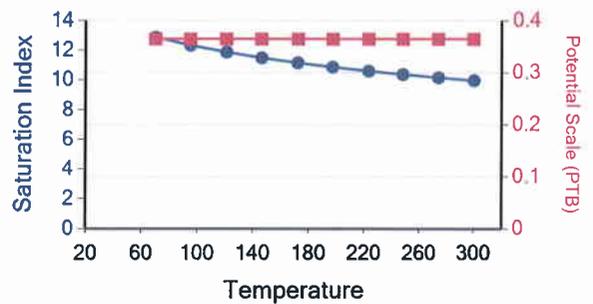
Iron Carbonate



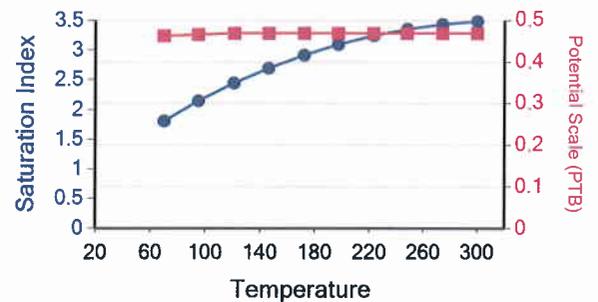
Lead Sulfide



Zinc Sulfide



Zinc Carbonate



Attachment "G"

Federal #1-22-9-16  
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5410	5422	5416	2130	0.83	2095
4718	4730	4724	1900	0.84	1869 ←
4002	4007	4005	2080	0.95	2054
				<b>Minimum</b>	<u>1869</u>

Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf})) / \text{Top Perf}$ .

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16 Report Date: 1-12-06 Day: 01  
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP2 sds	5410-5422'	4/48			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jan-06 SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5790' & cement top @ 120'. Perforate stage #1, CP2 sds @ 5410-5422' w/ 4" Port guns (19 gram, .46"HE. 120 ) w/ 4 spf for total of 48 shots. 138 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 Starting oil rec to date:  
Fluid lost/recovered today: 0 Oil lost/recovered today:  
Ending fluid to be recovered: 138 Cum oil recovered:  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Engineered Equip. Inc.	\$400
NPC NU crew	\$300
NDSI trucking	\$500
Perforators LLC	\$5,638
Drilling cost	\$293,215
D&M Hot Oil	\$300
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$306,653

TOTAL WELL COST: \$306,653



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** 17-Jan-06      **Day:** 2a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBTD:** 5790'WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<b>CP2 sds</b>	<b>5410-5422'</b>	<b>4/48</b>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 16-Jan-06      **SITP:** \_\_\_\_\_      **SICP:** 0 psi

**Day 2a.**

RU BJ's "Ram head". RU BJ Services. 0 psi on well. Frac CP2 sds w/ 45,584#'s of 20/40 sand in 483 bbls of Lightning 17 fluid. Broke @ 2180 psi. Treated w/ ave pressure of 2087 psi @ ave rate of 25 BPM. ISIP 2130 psi. Leave pressure on well. 621 BWTR. **See Day 2b.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 138      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 483      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 621      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** CP2 sands

- 4600 gals of pad
- 3218 gals W/ 1-4 ppg of 20/40 sand
- 6420 gals W/ 4-6.5 ppg of 20/40 sand
- 743 gals W/ 6.5 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4788 gals of slick water

**\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\***

**Max TP:** 2342      **Max Rate:** 25.3 BPM      **Total fluid pmpd:** 483 bbls  
**Avg TP:** 2087      **Avg Rate:** 25 BPM      **Total Prop pmpd:** 45,584#'s  
**ISIP:** 2130      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .83

**Completion Supervisor:** Orson Barney

### COSTS

Engineered Equip. Inc.	\$70
BJ Services-CP2	\$22,811
NPC & Betts frac wtr	\$828
NPC fuel gas	\$138
Weatherford tool/serv	\$950
NPC Supervisor	\$100
NPC trucking	\$400

**DAILY COST:** \$25,297

**TOTAL WELL COST:** \$331,950



3 of 7

DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16 Report Date: 17-Jan-06 Day: 2b  
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4900'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B1 sds	4718- 4730'	4/48			
B2 sds	4768- 4786'	4/72			
CP2 sds	5410-5422'	4/48			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06 SITP: \_\_\_\_\_ SICP: 1405 psi

Day 2b.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug, 12' & 18' (3 1/8") perf guns Set plug @ 4900'. Perforate B2 sds @ 4768- 86', B1 sds @ 4718- 30'. All 4 SPF for a total of 120 holes (2 runs). RL BJ Services. 1405 psi on well. Frac B2 & B1 sds w/ 124,027#'s of 20/40 sand in 851 bbls of Lightning 17 fluid. Broke @ 1727 psi. Treated w/ ave pressure of 1490 psi @ ave rate of 24.9 BPM. ISIP 1900 psi. Leave pressure on well 1472 BWTR. See Day 2c.

FLUID RECOVERY (BLS)

Starting fluid load to be recovered: 621 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 851 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1472 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
 Company: BJ Services  
 Procedure or Equipment detail: B1&2 sands

- 9400 gals of pad
- 6319 gals W/ 1-5 ppg of 20/40 sand
- 12622 gals W/ 5-8 ppg of 20/40 sand
- 2773 gals W/ 8 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4116 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 1744 Max Rate: 25.6 BPM Total fluid pmpd: 851 bbls  
 Avg TP: 1490 Avg Rate: 24.9 BPM Total Prop pmpd: 124,027#'s  
 ISIP: 1900 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .83

Completion Supervisor: Orson Barney

COSTS

Engineered Equip. Inc.	\$70
BJ Services-B1&2	\$27,916
NPC & Betts frac wtr	\$2,304
NPC fuel gas	\$384
Weatherford tool/serv	\$2,450
Lone Wolf WL	\$8,188
NPC Supervisor	\$100

DAILY COST: \$41,412  
 TOTAL WELL COST: \$373,362



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** 17-Jan-06      **Day:** 2c  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBTD:** 5790'WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4110'  
**BP:** 4900'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 16-Jan-06      **SITP:** \_\_\_\_\_      **SICP:** 1670 psi

**Day 2c.**  
 RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug & 5' (3 1/8") perf guns. Set plug @ 4110'. Perforate GB6 sds @ 4002- 07'. All 4 SPF for a total of 20 holes. RU BJ Services. 1670 psi on well Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. Frac GB6 sds w/ 23,163#'s of 20/40 sand in 305 bbls of Lightning 17 fluid. Broke @ 4080 psi. Treated w/ ave pressure of 1785 ps @ ave rate of 14.5 BPM. ISIP 2080 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 6 hrs 8 died. Rec. 346 BTF, Light oil & gas at end of flowback (21% of total frac load). 1431 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1472      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 41      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1431      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

### COSTS

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services

<u>Engineered Equip. Inc.</u>	<u>\$70</u>
<u>BJ Services-GB6</u>	<u>\$10,568</u>
<u>NPC &amp; Betts frac wtr</u>	<u>\$468</u>
<u>NPC fuel gas</u>	<u>\$78</u>
<u>Weatherford tool/serv</u>	<u>\$2,450</u>
<u>Lone Wolf WL</u>	<u>\$1,365</u>
<u>NPC Supervisor</u>	<u>\$100</u>
<u>NPC/Betts wtr transfer</u>	<u>\$400</u>
<u>Unichem chemicals</u>	<u>\$350</u>
<u>Wtr disposal/trucking</u>	<u>\$400</u>
<u>NPC flowback hand</u>	<u>\$300</u>

**Procedure or Equipment detail:**      **GB6 sands**  
798 gals to breakdown & get crosslink.  
2500 gals of pad  
1915 gals W/ 1-4 ppg of 20/40 sand  
3733 gals W/ 4-6.5 ppg of 20/40 sand  
Flush W/ 3877 gals of slick water  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Max TP:** 1828      **Max Rate:** 14.6 BPM      **Total fluid pmpd:** 305 bbls  
**Avg TP:** 1785      **Avg Rate:** 14.5 BPM      **Total Prop pmpd:** 23,163#'s  
**ISIP:** 2080      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .95

**Completion Supervisor:** Orson Barney

**DAILY COST:** \$16,549  
**TOTAL WELL COST:** \$389,911



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** Jan. 18, 2006      **Day:** 03  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBDT:** 5790'WL  
**Tbg:** **Size:** 2 7/8    **Wt:** 6.5#    **Grd:** J-55    **Pkr/EOT @:** 5619'    **BP/Sand PBDT:** 5684'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Jan. 17, 2006      **SITP:** \_\_\_\_\_      **SICP:** 25

MIRU NC #3. Thaw wellhead & frac valve W/ HO truck. Bleed pressure off well. Rec est 5 BTF. ND frac valve & 5W frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ usec Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag plug @ 4110'. Tbg displaced 10 BW or TIH. RU power swivel. C/O sd & drill out composite bridge as follows (using conventional circulation): no sd, plug @ 4110' in 40 minutes; sd @ 4703', plug @ 4900' in 35 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5430'. Drill plug remains & sd to 5684'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5619'. SIFN W/ est 1416 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1431      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 15      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1416      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_    **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

<u>NC #3 rig</u>	<u>\$4,978</u>
<u>Weatherford BOP</u>	<u>\$140</u>
<u>D &amp; M HO truck</u>	<u>\$200</u>
<u>NDSI trucking</u>	<u>\$1,400</u>
<u>NDSI wtr &amp; truck</u>	<u>\$400</u>
<u>NPC trucking</u>	<u>\$300</u>
<u>Four Star swivel</u>	<u>\$750</u>
<u>Aztec - new J55 tbg</u>	<u>\$29,251</u>
<u>NPC sfc equipment</u>	<u>\$130,000</u>
<u>R &amp; T labor/welding</u>	<u>\$19,500</u>
<u>Mt. West sanitation</u>	<u>\$550</u>
<u>Monks pit reclaim</u>	<u>\$1,800</u>
<u>NPC supervision</u>	<u>\$300</u>
<b>DAILY COST:</b>	<b>\$189,569</b>
<b>TOTAL WELL COST:</b>	<b>\$579,480</b>

**Max TP:** \_\_\_\_\_    **Max Rate:** \_\_\_\_\_    **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_    **Avg Rate:** \_\_\_\_\_    **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_    **5 min:** \_\_\_\_\_    **10 min:** \_\_\_\_\_    **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** Jan. 19, 2006      **Day:** 04  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBTD:** 5824'  
**Tbg:** **Size:** 2 7/8      **Wt:** 6.5#      **Grd:** J-55      **Anchor @:** 5403'      **BP/Sand PBTD:** 5824'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Jan. 18, 2006      **SITP:** 0      **SICP:** 0

Thaw wellhead, BOP & tbg stump W/ HO truck. TIH W/ bit & tbg f/ 5619'. Tag fill @ 5676'. PU swivel. Finish C/O sc to PBTD @ 5824'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5728'. RU swab equipment. IFL @ sfc Made 10 swb runs rec 111 BTF W/ light gas, tr oil & no sand. FFL @ 1500'. TIH W/ tbg. Tag fill @ 5820' (4' new fill) C/O sd to PBTD @ 5684'. Circ hole W/ clean wtr. Lost est 45 BW & rec tr oil. LD excess tbg. TOH W/ tbg--LD bit TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 170 jts 2 7/8 8rc 6.5# J-55 tbg. ND BOP. Set TA @ 5403' W/ SN @ 5437' & EOT @ 5502'. Land tbg W/ 15,000# tension. NL wellhead. SIFN W/ est 1350 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1416      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 66      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1350      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** sfc      **FFL:** 1500'      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** tr

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_      **Job Type:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Procedure or Equipment detail:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

NC #3 rig	\$4,496
Weatherford BOP	\$140
D & M HO truck	\$200
Four Star swivel	\$750
NPC location cleanup	\$300
NPC wtr disposal	\$3,000
CDI TA	\$525
CDI SN	\$80
NPC supervision	\$300

**Max TP:** \_\_\_\_\_      **Max Rate:** \_\_\_\_\_      **Total fluid pmpd:** \_\_\_\_\_

**Avg TP:** \_\_\_\_\_      **Avg Rate:** \_\_\_\_\_      **Total Prop pmpd:** \_\_\_\_\_

**ISIP:** \_\_\_\_\_      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

**DAILY COST:** \$9,791

**TOTAL WELL COST:** \$589,271

# NEWFIELD



# ATTACHMENT G-1

7 of 7

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 1-22-9-16      **Report Date:** Jan. 20, 2006      **Day:** 05  
**Operation:** Completion      **Rig:** NC #3

### WELL STATUS

**Surf Csg:** 8-5/8' @ 327'      **Prod Csg:** 5-1/2" @ 5869'      **Csg PBDT:** 5824'  
**Tbg:** Size: 2 7/8    Wt: 6.5#    **Grd:** J-55    **Anchor @:** 5403'    **BP/Sand PBDT:** 5824'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB6 sds</u>	<u>4002- 4007'</u>	<u>4/20</u>	_____	_____	_____
<u>B1 sds</u>	<u>4718- 4730'</u>	<u>4/48</u>	_____	_____	_____
<u>B2 sds</u>	<u>4768- 4786'</u>	<u>4/72</u>	_____	_____	_____
<u>CP2 sds</u>	<u>5410-5422'</u>	<u>4/48</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** Jan. 19, 2006      **SITP:** 0      **SICP:** 0

Thaw wellhead W/ HO truck. PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 15 RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 101-3/4" plain rods, 100-3/4" scraped rods, 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1350 BWTR.

**Place well on production @ 1:00 PM 1/19/2006 W/ 64" SL @ 6 SPM.**  
**FINAL REPORT!!**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1350      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1350      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut: tr** \_\_\_\_\_

<u>TUBING DETAIL</u>		<u>ROD DETAIL</u>	<u>COSTS</u>	
			NC #3 rig	\$2,364
KB	<u>12.00'</u>	<u>1 1/2" X 22' polished rod</u>	Zubiate HO truck	\$400
170	<u>2 7/8 J-55 tbg (5390.82')</u>	<u>1-4' &amp; 1-2' X 3/4" pony rods</u>	NPC trucking	\$300
	<u>TA (2.80' @ 5402.82' KB)</u>	<u>100-3/4" scraped rods</u>	CDI rod pump	\$1,325
1	<u>2 7/8 J-55 tbg (31.80')</u>	<u>101-3/4" plain rods</u>	"B" grade rod string	\$8,947
	<u>SN (1.10' @ 5437.42' KB)</u>	<u>10-3/4" scraped rods</u>	NPC frac tks(5X5 dys)	\$1,000
2	<u>2 7/8 J-55 tbg (63.20')</u>	<u>6-1 1/2" weight rods</u>	NPC swb tk (3 dys)	\$120
	<u>2 7/8 NC (.45')</u>	<u>CDI 2 1/2" X 1 1/2" X 15'</u>	NPC frac head	\$500
EOT	<u>5502.17' W/ 12' KB</u>	<u>RHAC pump W/ SM plunger</u>	NPC supervision	\$300
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**DAILY COST:** \$15,256  
**TOTAL WELL COST:** \$604,527

**Completion Supervisor:** Gary Dietz

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3952'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 175' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 377'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

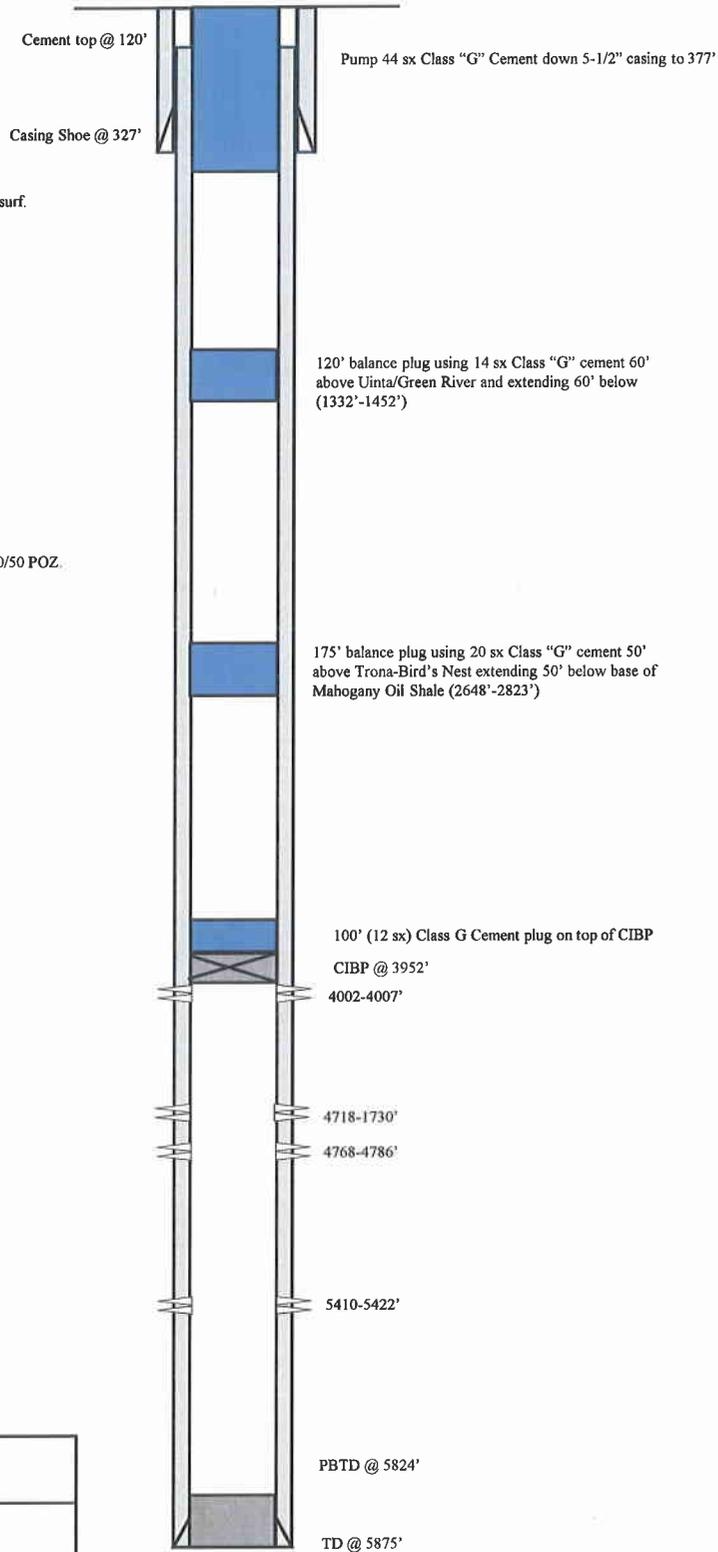
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'




<p><b>Federal 1-22-9-16</b>                  887' FNL &amp; 963' FEL                  NE/NE Section 22-T9S-R16E                  Duchesne Co, Utah                  API #43-013-32612; Lease #UTU-74392</p>

1770 S. 5600 W.  
 P.O. BOX 704005  
 WEST VALLEY CITY, UTAH 84170  
 FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/25/2012

JUN 04 2012

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
 CAUSE NO. UIC-392

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER#
8015385340	0000794885
SCHEDULE	
Start 05/25/2012	End 05/25/2012
CUST. REF. NO.	
Newfield Prod UIC-392	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
87 Lines	3.00
TIMES	
3	
MISC. CHARGES	AD
	TC

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER. Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0107, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
 Monument Federal 22-121 well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
 API 43-013-15796  
 Federal 3-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
 API 43-013-32658  
 Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
 API 43-013-33136  
 Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33030  
 Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33062  
 Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33174  
 Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33066  
 Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33067  
 Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33104  
 Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33068  
 Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33145  
 Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South Range 16 East  
 API 43-013-31726  
 Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-32612  
 Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-33027  
 Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33176  
 Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33178  
 Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33182  
 Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33084  
 Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33344  
 Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
 API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R6-49-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rule. Protestants and/or intervenors should be prepared to demonstrate at the hearing how their matter affects their interests.

Dated this 22nd day of May, 2012.

STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/Brad Hill  
 Permitting Manager  
 794885

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I C  
 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES  
 CAUSE NO. UIC-392 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING  
 COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND I  
 ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SAL  
 NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON  
 UTAHLEGAL.S.COM INDEFINATELY

PUBLISHED ON Start 05/25/2012 End 05/25/2012

SIGNATURE *[Signature]*

5/25/2012

VIRGINIA CRAFT  
 Notary Public, State of Utah  
 Commission # 581469  
 My Commission Expires  
 January 12, 2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
 PLEASE PAY FROM BILLING STATEMENT

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	30968	Invoice Date	5/30/2012
Advertiser No.	2080	Invoice Amount	\$191.45
		Due Date	6/29/2012

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N. TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment.

**INVOICE**

Uintah Basin Standard		DIVISION OF OIL GAS & MINING		Invoice No. 30968	5/30/2012	
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
5/30/2012	15615 UBS	UBS Legal Notice: Not of Agcy Actn: Newfield Cause No. UIC-392 Pub. May 29, 2012				\$191.45
				Sub Total:		\$191.45
				Total Transactions: 1		Total: \$191.45

**SUMMARY** Advertiser No. 2080 Invoice No. 30968

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

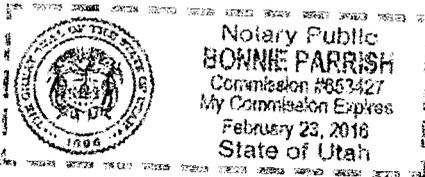
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 29 day of May, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 29 day of May, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Kevin Ashby  
Publisher

Subscribed and sworn to before me on this

1 day of June, 2012  
by Kevin Ashby.

Bonnie Parrish  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-392

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17,

and 29, 2012.  
Published May 22, 2012.  
In advance of the hearing, Planning at least 3 days call Duchesne County this meeting should accommodations for needing special access. Persons may email myde@duchesne.com or call Utah 84021 or email Box 317, Duchesne County Planning, P.O. Box 317, Duchesne, Utah 84021. Or, send comments to: Duchesne Planning at (435) 738-1151. Hyde at (435) 738-1151. Or, send comments to: Duchesne County Planning, P.O. Box 317, Duchesne, Utah 84021. For further information contact Mike Hyde at (435) 738-1151. Or, send comments to: Duchesne County Planning, P.O. Box 317, Duchesne, Utah 84021. For further information contact Mike Hyde at (435) 738-1151. Or, send comments to: Duchesne County Planning, P.O. Box 317, Duchesne, Utah 84021.

## LEGAL N Your Right

Christensen, located on the south side of Highway 87 (Ioka Lane) and the west side of 4000 West, in the NE 1/4 of the NE 1/4 of Section 2, Township 3 South, Range 2 West.

The Duchesne County Commissioners will conduct a public hearing to review the Planning Commission recommendation and proposed rezoning ordinance during their June 18, 2012 meeting, beginning at 1:30 PM in the Commission Chambers, Duchesne County Administration Building, 734 North Center Street, Duchesne, Utah.

For further information contact Mike

## SERET P TRIC COOP

## ATORY TECHNICAL CHEMIST

As an electrical utility states. We have a Laboratory Technical a 500 MW coal-fueled, Utah.

candidate will be reliable, and take independent on high pressure O2 scrubbers, demineralized water, and a candidate must also have condensate polishers, bulk chemical handling computer literate and software.

High School graduate experience as a technician in an industrial

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33136
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API 43-013-33030
- Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33062
- Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33174
- Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066
- Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33067
- Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33104
- Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33068
- Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33145
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API 43-013-31726
- Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-32612
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API 43-013-33027
- Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 22<sup>nd</sup> day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 22-12J, FEDERAL 5-13-9-16, FEDERAL 13-15-9-16, FEDERAL 7-17-9-16, FEDERAL 1-19-9-16, FEDERAL 5-19-9-16, FEDERAL 1-20-9-16, FEDERAL 3-20-9-16, FEDERAL 5-20-9-16, FEDERAL 9-20-9-16, FEDERAL 9-21-9-16, MONUMENT FEDERAL 31-21-9-16Y, FEDERAL 1-22-9-16, FEDERAL 7-22-9-16, FEDERAL 3-23-9-16, FEDERAL 11-23-9-16, FEDERAL 15-23-9-16, FEDERAL 3-24-9-16, FEDERAL 15-24-9-16, FEDERAL 21-25Y**

**Cause No. UIC-392**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Uintah Basin Standard  
268 S 200 E  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

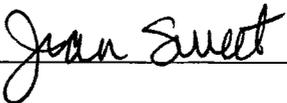
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Vernal Office  
Bureau of Land Management  
170 S 500 E  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

May 22, 2012

Via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 5/23/2012 3:07 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

---

On 5/22/2012 2:09 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

It will be in the May 29 edition.  
Thank you.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2012

Via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/22/2012 2:32 PM  
**Subject:** Proof for Notice of Agency Action  
**Attachments:** OrderConf.pdf

AD# 794885  
Run SL Trib 5/25/12  
Cost \$331.25  
Please advise of any changes  
Thank You  
Ken

### Order Confirmation for Ad #0000794885-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	██████████	<b>Payor Account</b>	██████████
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	earlenerussell@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$331.25</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$331.25</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Newfield Prod UIC-392	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 87 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/25/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/25/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	05/25/2012	

### Order Confirmation for Ad #0000794885-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000794885-01

Ad Content Proof 135%

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 22-12J well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East

API 43-013-15796

Federal 5-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East

API 43-013-32658

Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East

API 43-013-33136

Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33030

Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33062

Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33174

Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33066

Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33067

Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33104

Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33068

Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33145

Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-31726

Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32612

Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33027

Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33178

Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33182

Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33084

Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33344

Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East

API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of May, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/ Brad Hill

Permitting Manager

794885

UPAXLP



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 21, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 1-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32612

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,784 feet in the Federal 1-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

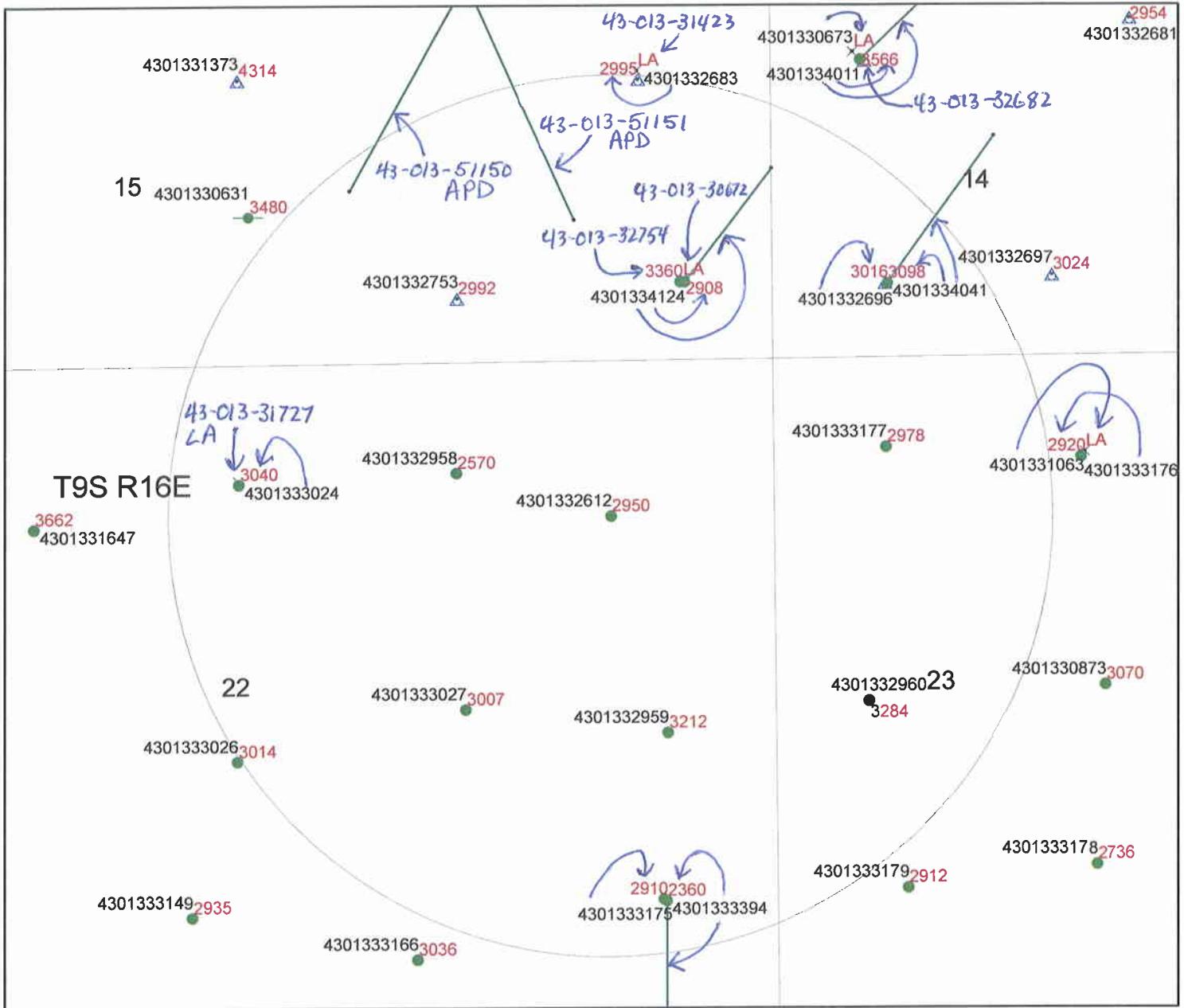
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Cement Bond Tops  
 FEDERAL 1-22-9-16  
 API #43-013-32612  
 UIC 392.13

### Legend

- |   |  |
|---|--|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_87 | PGW  |
| SGID93_ENERGY.DNROilGasWells              | POW  |
| <b>SGID93.ENERGY.DNROilGasWells</b>       | RET  |
| <b>GIS_STAT_TYPE</b>                      | SGW  |
| APD                                       | SOW  |
| DRL                                       | TA   |
| GIW                                       | TW   |
| GSW                                       | WDW  |
| LA  | WIW  |
| LOC                                       | WSW  |
| OPS                                       | SGID93_BOUNDARIES, Counties  |
| PA  | <ul style="list-style-type: none"> <li>• SGID93_ENERGY.DNROilGasWells_HDBottom</li> </ul>                                      |
|   | <ul style="list-style-type: none"> <li>— SGID93_ENERGY.DNROilGasWells_HDPath</li> <li>• Wells-CbitopsMaster08_14_12</li> </ul> |



1870calc = approx cement top calculated from well completion report

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 1-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-32612

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 327 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,870 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,950 feet. A 2 7/8 inch tubing with a packer will be set at 3,952 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 12 producing wells and 2 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are two approved surface locations outside the AOR from which directional wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,784 feet and 5,824 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 1-22-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,869 psig. The requested maximum pressure is 1,869 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 1-22-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 8/16/2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 1-22-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013326120000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0887 FNL 0963 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE  COUNTY: DUCHESNE  STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/16/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/14/2012. On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: November 26, 2012  
 By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/16/12 Time 9:00  am  pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

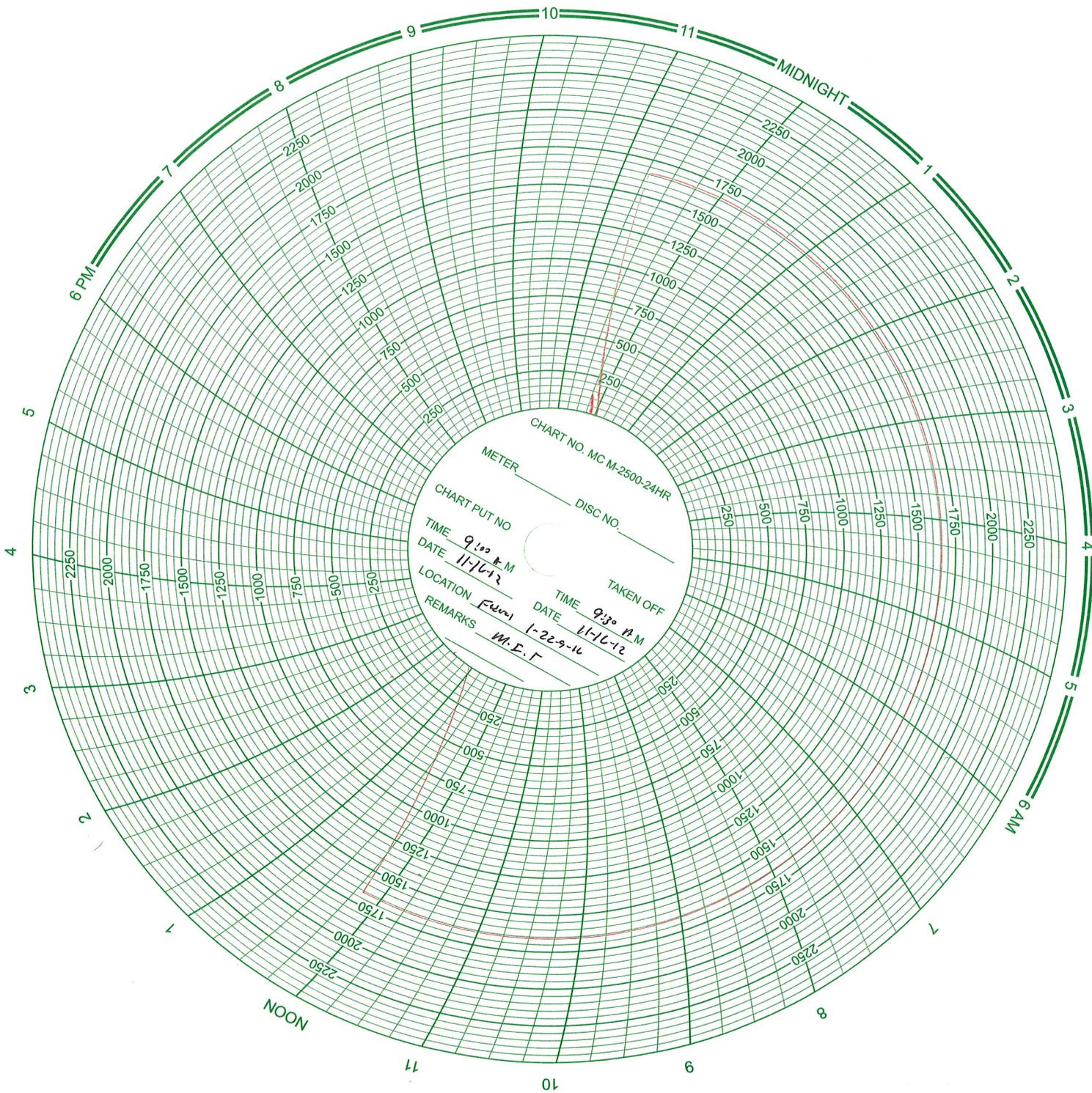
Well: <u>Federal 1-22-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 1-22-9-16</u>	API No: <u>4301332612</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1660</u>	psig
5	<u>1660</u>	psig
10	<u>1660</u>	psig
15	<u>1660</u>	psig
20	<u>1660</u>	psig
25	<u>1660</u>	psig
30 min	<u>1660</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:  Pass  Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: Riley Bagley



## Daily Activity Report

Format For Sundry

FEDERAL 1-22-9-16

9/1/2012 To 1/30/2013

**11/13/2012 Day: 1**

**Conversion**

WWS #7 on 11/13/2012 - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$17,350

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**11/14/2012 Day: 2**

**Conversion**

WWS #7 on 11/14/2012 - Flushing Tbg w/30 BW count TOO H talling tbg breaking. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowly by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowly by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$23,995

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**11/15/2012 Day: 3**

**Conversion**

WWS #7 on 11/15/2012 - set pkr, psi test - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO. - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO.

**Daily Cost:** \$0

**Cumulative Cost:** \$28,513

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**11/19/2012 Day: 4**

**Conversion**

Rigless on 11/19/2012 - Conduct initial MIT - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$117,347

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	
<b>1. TYPE OF WELL</b> Water Injection Well	
<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-22-9-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	
<b>9. API NUMBER:</b> 43013326120000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052 <b>PHONE NUMBER:</b> 435 646-4825 Ext	
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0887 FNL 0963 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/13/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Commence Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 11:00 AM on 06/13/2013.

**Accepted by the Utah Division of Oil, Gas and Mining**

Date: July 01, 2013

By:

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/17/2013	

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

# Federal 1-22-9-16

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315 48')  
 DEPTH LANDED: 327 33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf

### PRODUCTION CASING

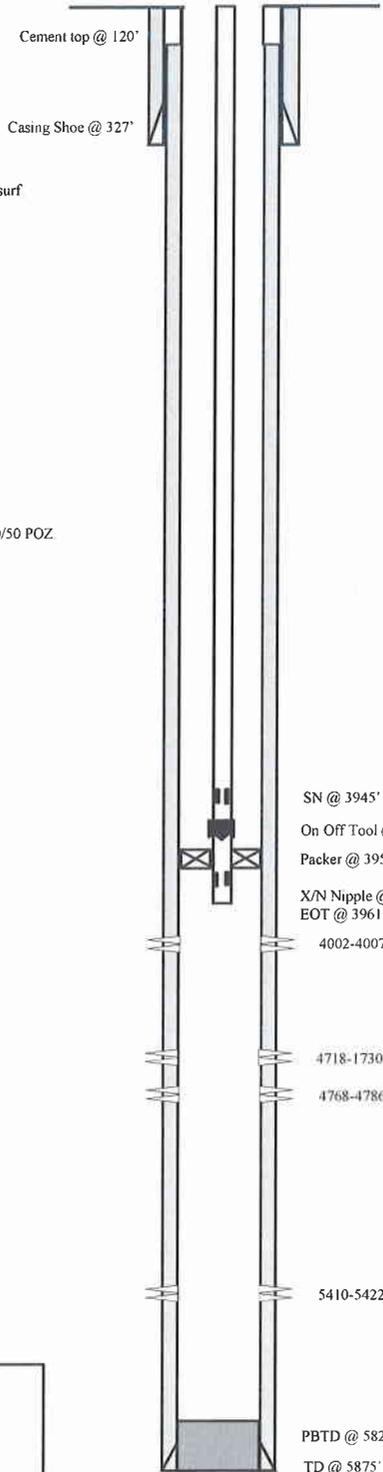
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5871 28')  
 DEPTH LANDED: 5869 78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 124 jts (3933 1')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 3945 1' KB  
 ON/OFF TOOL AT: 3946 2'  
 ARROW #1 PACKER CE AT: 3951'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3955 2'  
 TBG PUP 2-3/8 J-55 AT: 3955 8'  
 X/N NIPPLE AT: 3959 9'  
 TOTAL STRING LENGTH: EOT @ 3961'

### FRAC JOB

01-16-06	5410-5422'	<b>Frac CP2, sands as follows:</b> 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.
01-16-06	4718-4730'	<b>Frac B2, &amp; B1 sands as follows:</b> 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.
01-16-06	4002-4007'	<b>Frac GB6 sands as follows:</b> 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.
03/22/06		<b>Pump Change:</b> Update rod and tubing details.
9-3-08		<b>Pump Change:</b> Updated rod & tubing details.
7/21/09		<b>Tubing Leak:</b> Updated rod & tubing details.
01/13/2011		<b>Pump Change:</b> Rod & tubing detail updated.
11/14/12		<b>Convert to Injection Well</b>
11/16/12		<b>Conversion MIT Finalized</b> - update tbg detail



### PERFORATION RECORD

01-11-06	5410-5422'	4 JSPF	48 holes
01-16-06	4768-4786'	4 JSPF	72 holes
01-16-06	4718-4730'	4 JSPF	48 holes
01-16-06	4002-4007'	4 JSPF	20 holes

**NEWFIELD**

**Federal 1-22-9-16**  
 887' FNL & 963' FEL  
 NE/NE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32612; Lease #UTU-74392



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-392

**Operator:** Newfield Production Company  
**Well:** Federal 1-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32612  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 21, 2012.
2. Maximum Allowable Injection Pressure: 1,869 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,784' – 5,824')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

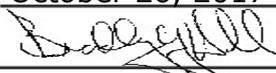
12-4-2012  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 1-22-9-16	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013326120000	
<b>3. ADDRESS OF OPERATOR:</b> 4 WATERWAY SQUARE PL STE 100 , THE WOODLANDS, TX, 77380	<b>PHONE NUMBER:</b> 435-646-4802	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 887 FNL 963 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 9S Range: 16E Meridian: S	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/12/2017  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
On 10/09/2017 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/12/2017 the casing was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1830 psig during the test. There was not a State representative available to witness the test.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>
		<b>Date: October 26, 2017</b> <b>By: </b>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Field Production Assistant
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/17/2017

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company  
Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10/12/17 Time 11:13 am pm

Test Conducted by: INAKI LASA

Others Present: \_\_\_\_\_

5 YEAR MIT

Well: FED 1-22-9-16 NE/NE SEC 22, T9S, R16E UTU 7439Z UTU 87538X	Field: Monument Butte
Well Location: Duchesne COUNTY, UTAH	API No: 430133 2612

INJECTING 5 BPD

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1275</u>	psig
5	<u>1275</u>	psig
10	<u>1275</u>	psig
15	<u>1275</u>	psig
20	<u>1275</u>	psig
25	<u>1275</u>	psig
30 min	<u>1275</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1,830 psig

Result:                      Pass                      Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Inaki Laso

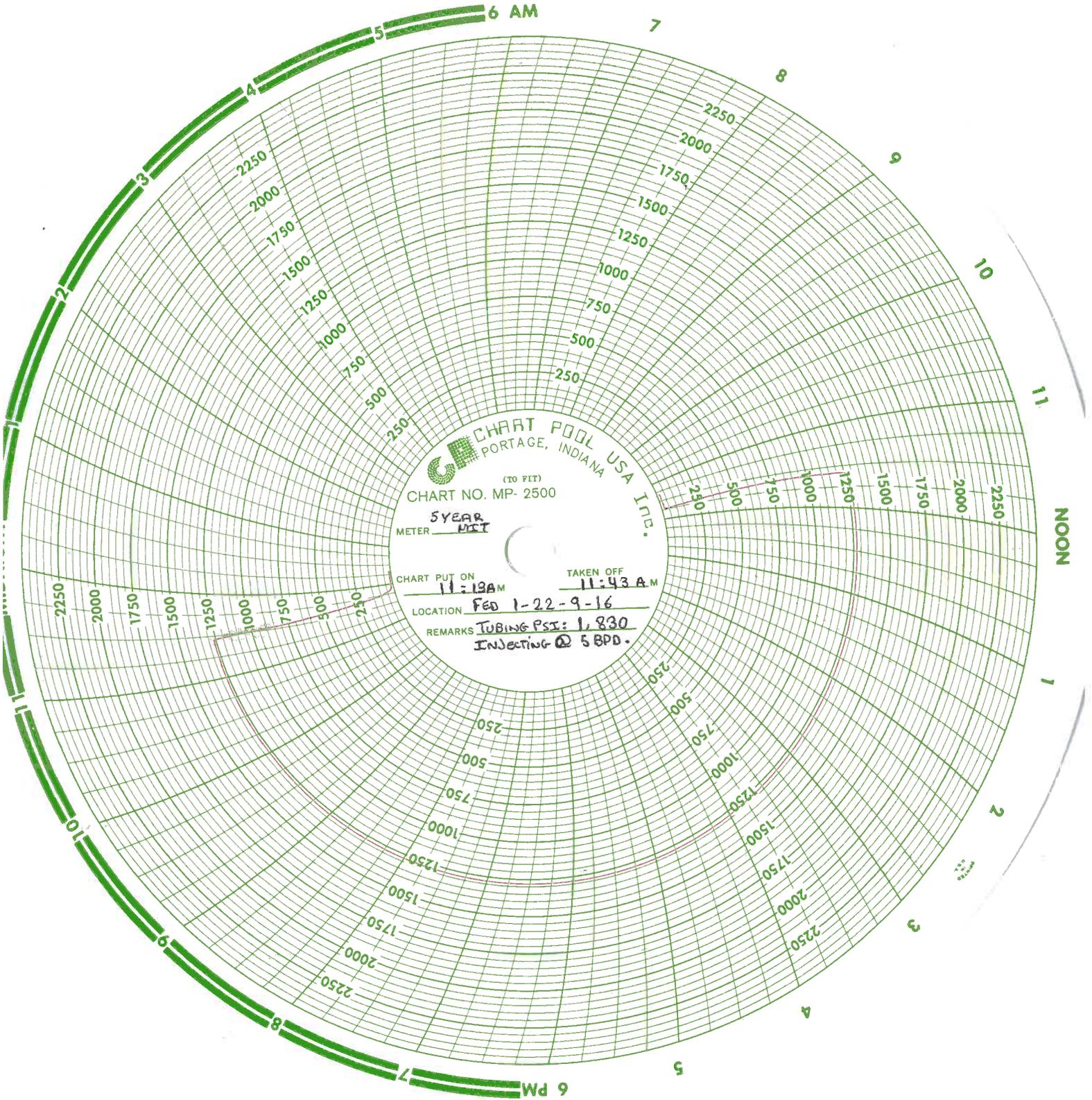


CHART POOL USA INC.  
PORTAGE, INDIANA  
(TO FIT)  
CHART NO. MP- 2500  
METER 5 YEAR  
WST

CHART PUT ON 11:18 AM TAKEN OFF 11:43 AM  
LOCATION Fed 1-22-9-16  
REMARKS TUBING PSI: 1,830  
Injecting @ 5 BPD.

Division of Oil, Gas and Mining  
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/24/2020

<b>FORMER OPERATOR:</b> Newfield Production Company	<b>NEW OPERATOR:</b> Ovintiv Production, Inc.
--	--

Groups:  
Greater Monument Butte

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4704

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 3/16/2020
- Sundry or legal documentation was received from the **NEW** operator on: 3/16/2020
- New operator Division of Corporations Business Number: 755627-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/2/2020
- Reports current for Production/Disposition & Sundries: 1/14/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 12/21/2020
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 3/25/2020
- Surface Facility(s) included in operator change:

State 11-32 Pipeline  
 Monument Butte St 10-36  
 GB Fed 13-20-8-17  
 Canvasback Fed 1-22-8-17  
 Ashley Fed 8-14-9-15 Pipeline  
 West Lateral 4C Slug Catcher (2-5-3-3)  
 West Lateral Phase 5 Slug Catcher  
 Bar F Slug Catcher  
 Dart Slug Catcher  
 Mullins Slug Catcher  
 Temporary Produced Water Conditioning Site  
 Dart Temporary Produced Water Facility  
 Earl Temporary Water Treatment Facility

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s):  
 B001834.A  
 107238142-Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on: 1/14/2021

Group(s) update in RDBMS on: 1/14/2021

Surface Facilities update in RBDMS on: 1/14/2021

Entities Updated in RBDMS on:

**COMMENTS:**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**see attached list**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**see attached**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**see attached**

2. NAME OF OPERATOR:  
**Newfield Production Company**

9. API NUMBER:  
**attached**

3. ADDRESS OF OPERATOR:  
4 Waterway Square Place St. CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:  
**(435) 646-4936**

10. FIELD AND POOL, OR WILDCAT:  
**attached**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

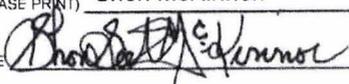
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:  
Newfield Production Company  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NEW NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies  
SIGNATURE  DATE 3/16/2020

(This space for State use only)

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>see attached list</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>see attached</b>
1. TYPE OF WELL:    OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Newfield Production Company</b>		8. WELL NAME and NUMBER: <b>see attached</b>
3. ADDRESS OF OPERATOR: 4. Waterway Square Place SU CITY The Woodlands    STATE TX    ZIP 77380		9. API NUMBER: <b>attached</b>
PHONE NUMBER: <b>(435) 646-4936</b>		10. FIELD AND POOL, OR WILDCAT: <b>attached</b>
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: _____		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:  
Newfield Production Company  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NEW NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NAME (PLEASE PRINT) <u>Shon McKinnon</u>	TITLE <u>Regulatory Manager, Rockies</u>
SIGNATURE	DATE <u>3/16/2020</u>

(This space for State use only)



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number <b>See attached list</b>	API Number <b>Attached</b>
Location of Well	Field or Unit Name <b>See Attached</b>
Footage : County :	Lease Designation and Number <b>See Attached</b>
QQ, Section, Township, Range: State : UTAH	

**EFFECTIVE DATE OF TRANSFER:** 1/24/2020

**CURRENT OPERATOR**

Company: <u>Newfield Production Company</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

**NEW OPERATOR**

Company: <u>Ovintiv Production, Inc</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

(This space for State use only)

Approved by the  
Utah Division of  
Oil, Gas and Mining

Mar 25, 2020

EPA approval required

Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

Effective Date: 7/1/2021

<b>FORMER OPERATOR:</b> Ovintiv Production, Inc.	<b>NEW OPERATOR:</b> Ovintiv USA, Inc.
Groups: Greater Monument Butte	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4689  
 Pre-Notice Completed: 9/22/2021

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
- Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
- New operator Division of Corporations Business Number: 5053175-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/15/2021
- Reports current for Production/Disposition & Sundries: 9/22/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/25/2021
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/4/2021
- Surface Facility(s) included in operator change:

- Monument Butte Liq. Cond.
- Pleasant Valley (New)
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Ashley
- Sundance
- Ranch
- Pleasant Valley
- Monument Butte
- Ashley Fed 8-14-9-15 Pipeline
- Ute Tribal 4-13-4-2W Pipeline
- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): B001834-B  
 107238142A

**DATA ENTRY:**

Well(s) update in the RBDMS on: 11/24/2021

Group(s) update in RDBMS on: 11/21/2021

Surface Facilities update in RBDMS on: 11/24/2021

Entities Updated in RBDMS on: 11/24/2021

**COMMENTS:**

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additional bond will be required at this time.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

**See attached list**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL      OIL WELL       GAS WELL       OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:  
**Ovintiv Production, Inc.**

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
4 Waterway SQ PL STE 100      CITY The Woodlands      STATE TX      ZIP 77380

PHONE NUMBER:  
**(281) 210-5100**

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

**UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>7/1/2021</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. Attached is a list of all wells that will be operated under Ovintiv USA Inc. effect July 1, 2021.

PREVIOUS NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NEW NAME:  
Ovintiv USA Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NAME (PLEASE PRINT) Julia Carter

TITLE Manager, US Regulatory Operations

SIGNATURE *Julia M Carter*

DATE 9/8/2021

(This space for State use only)

**APPROVED**

By Utah Division of  
Oil, Gas, and Mining

*Rachel Medina*



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number See attached list	API Number Attached
Location of Well	Field or Unit Name See Attached
Footage : County :	Lease Designation and Number See Attached
QQ, Section, Township, Range: State : UTAH	

EFFECTIVE DATE OF TRANSFER: 7/1/2021

**CURRENT OPERATOR**

Company: <u>Ovintiv Production, Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

**NEW OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

(This space for State use only) Approved by the  
Utah Division of  
Oil, Gas and Mining  
*[Signature]*  
Oct 04, 2021

EPA approval required  
Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> Greater Monument Butte
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> Federal 1-22-9-16
<b>2. NAME OF OPERATOR:</b> Ovintiv USA, Inc.		<b>9. API NUMBER:</b> 43013326120000
<b>3. ADDRESS OF OPERATOR:</b> 4 Waterway Square Place, Suite 100 , The Woodlands , TX, 77380	<b>PHONE NUMBER:</b>	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 887 FNL 963 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 9S Range: 16E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/3/2022	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="MIT"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A 5 YR MIT was performed on the above listed well. On 08/03/2022 the casing was pressured up to 1518 PSIG and charted for 30 minutes with no pressure loss. The tubing pressure was 959 PSIG during the test. State representative, Dal Gray, was present to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
(This is not an approval)  
August 23, 2022**

NAME (PLEASE PRINT)

Teresa Robbins

PHONE NUMBER

435-646-4886

TITLE

Warehouse Lead

SIGNATURE

N/A

DATE

8/8/2022

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

Ovintiv  
Rt 3 Box 3630  
Myton, UT 84052  
435.646.3721

Witness: Dal Gray Date: 8-3-2022 Time: 9:25  am  pm  
 Test Conducted By: R:14 Begly  
 Others Present: \_\_\_\_\_

Well Name: <u>Federal</u>	
Field: <u>monument Butte</u>	County: <u>Duchesne</u> State: <u>UT</u>
Location: <u>1</u> Sec: <u>22</u> T: <u>9</u> N/S: <u>(S)</u> R: <u>16</u> <input checked="" type="radio"/> W	
Operator: _____	
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: <u>1869</u> psig

Is this a regulary scheduled test?  Yes  No  
 Initial Test for Permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injection during test?  Yes  No

S/D 4-9-2020  
If Yes, rate: 0 bpd

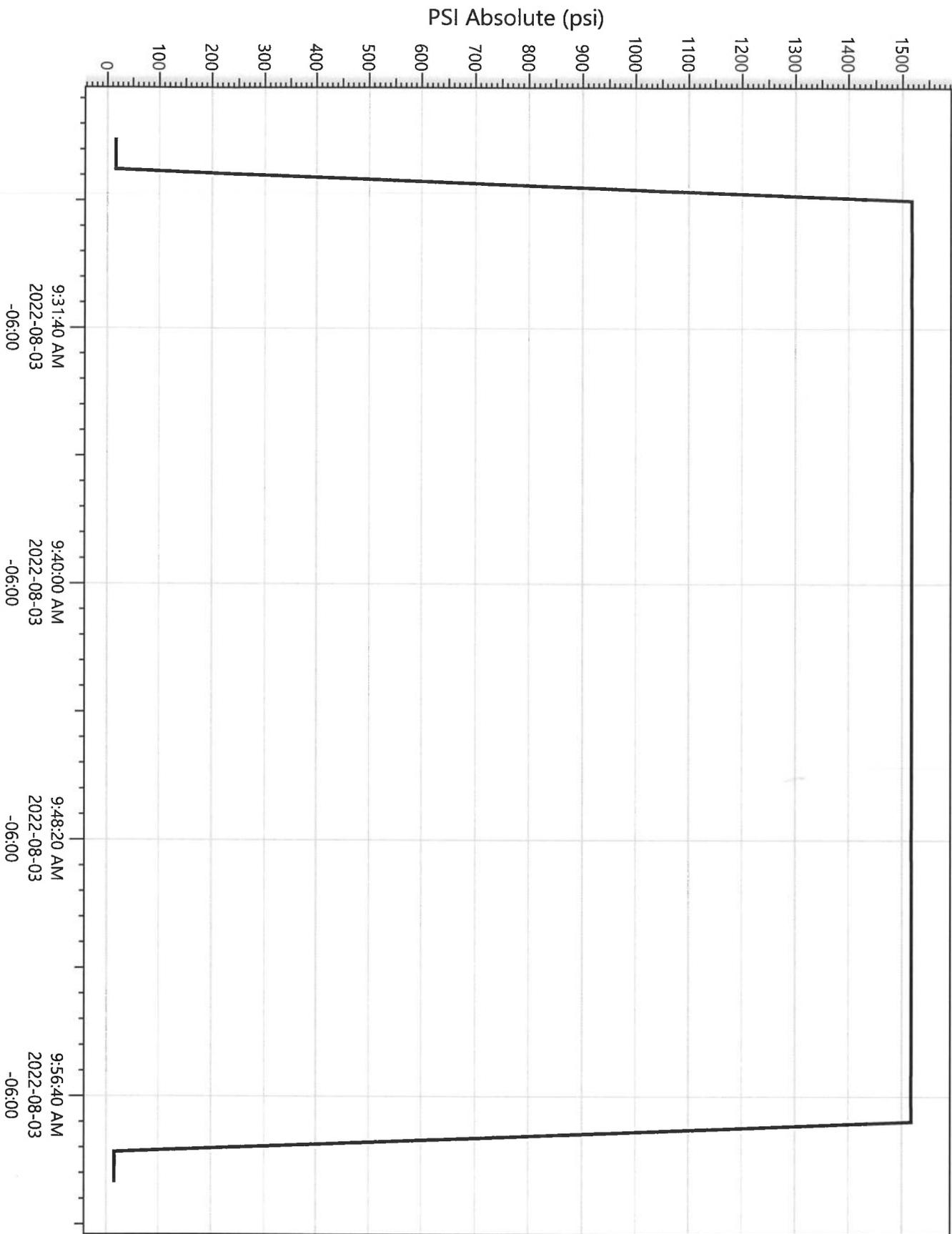
Pre-test casing / tubing annulus pressure: ~~0~~ / 959 psig

MIT DATA TABLE		Test #1	Test #2
<b>TUBING PRESSURE</b>			
Initial Pressure		<u>959</u> psig	psig
End of test pressure		<u>959</u> psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1517</u>	psig	psig
5 minutes	<u>1518</u>	psig	psig
10 minutes	<u>1518</u>	psig	psig
15 minutes	<u>1518</u>	psig	psig
20 minutes	<u>1517</u>	psig	psig
25 minutes	<u>1518</u>	psig	psig
30 minutes	<u>1517</u>	psig	psig
_____ minutes		psig	psig
_____ minutes		psig	psig
RESULT	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after test?  Yes  No

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:   
 Signature of Person Conducting Test: 



Federal 1-22-9-16  
2022-08-03 9:25:26 AM

Legend
P23429
Pressure

Effective Date: 9/1/2022

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Ovintiv USA, Inc.	Scout Energy Management, LLC
Groups:	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 2888

Pre-Notice Completed: 10/19/2022

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2022
- Sundry or legal documentation was received from the **NEW** operator on: 9/26/2022
- New operator Division of Corporations Business Number: 12607016-0161

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 11/15/2022
- Reports current for Production/Disposition & Sundries: 10/19/2022
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/11/2022
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Orlan 12/15/2022
- Surface Facility(s) included in operator change: 10/19/2022

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s):  
 612402641-Blanket Bond  
 612402460-Full-Cost Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on: 12/20/2022 and 1/25/2023

Group(s) update in RDBMS on: 12/20/2022

Surface Facilities update in RBDMS on: NA

Entities Updated in RBDMS on: 1/25/2023

**COMMENTS:**

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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None - N/A
		7. UNIT or CA AGREEMENT NAME: Greater Monument Butte Unit
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: See attached Exhibit A	
2. NAME OF OPERATOR: Scout Energy Management, LLC		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 13800 Montfort Road, Suite 1 <small>CITY</small> Dallas <small>STATE</small> TX <small>ZIP</small> 75240	PHONE NUMBER: (972) 325-1096	10. FIELD AND POOL, OR WILDCAT: See attached Exhibit A
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached Exhibit A		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

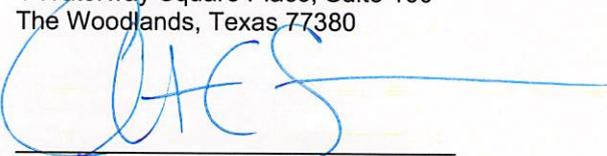
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: <u>9/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

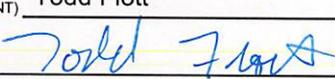
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:  
Ovintiv USA Inc.  
4 Waterway Square Place, Suite 100  
The Woodlands, Texas 77380

NEW OPERATOR:  
Scout Energy Management, LLC  
13800 Montfort Road, Suite 100  
Dallas, TX 75240

  
Signature - Christian C. Sizemore  
Director, Rockies and Land Innovation  
State/Fee Bond #105189977  
BLM Bond #105073466

  
Signature - Todd Flott  
Managing Director  
State/Fee Bond #612402460 / #61242461  
BLM Bond #612402462

NAME (PLEASE PRINT) <u>Todd Flott</u>	TITLE <u>Managing Director</u>
SIGNATURE 	DATE <u>8/31/2022</u>

(This space for State use only)

**APPROVED**  
By Rachel Medina at 10:58 am, Dec 21, 2022



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number see attached list		API Number attached
Location of Well		Field or Unit Name see attached Exhibit A
Footage :	County : see attached	Lease Designation and Number see attached Exhibit A
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2022

**CURRENT OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Christian C. Sizemore</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Director, Rockies and Land Innovation</u>
Phone: <u>281-210-5100</u>	Date: <u>11/16/2022</u>
Comments: UIC wells under UDOGM Jurisdiction	

**NEW OPERATOR**

Company: <u>Scout Energy Management LLC</u>	Name: <u>Jon Piot</u>
Address: <u>13800 Montford Road, Suite 100</u>	Signature:
<u>city Dallas state TX zip 75240</u>	Title: <u>Managing Director</u>
Phone: <u>972-325-1027</u>	Date: <u>11/15/2022</u>
Comments: Change of operator effective 9/1/2022	

(This space for State use only)

EPA approval required

- Max Inj. Press.
- Max Inj. Rate
- Perm. Inj. Interval
- Packer Depth
- Next MIT Due

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: Greater Monument Butte
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: Federal 1-22-9-16	
2. NAME OF OPERATOR: Scout Energy Management, LLC	9. API NUMBER: 43013326120000	
3. ADDRESS OF OPERATOR: 13800 Montfort Drive, Suite 100 , Dallas , TX, 75240	PHONE NUMBER: 972-277-1397	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 887 FNL 963 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 22 Township: 9S Range: 16E Meridian: S	COUNTY: DUCHESNE  STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/22/2025	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="MIT"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 A 5 yr MIT was performed on the above listed well. On 10/22/25 the casing was pressured up to 967 PSIG and charted for 20 minutes with no pressure loss. The tubing was 1489 PSIG during the test.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 (This is not an approval)  
 October 23, 2025

NAME (PLEASE PRINT) Tanesha Griffin	PHONE NUMBER 469-485-3431	TITLE Regulatory Tech
SIGNATURE N/A	DATE 10/23/2025	

## Mechanical Integrity Test

### Casing or Annulus Pressure Mechanical Integrity Test

Scout EP  
1820 W Highway 40  
Roosevelt, UT 84066  
435.352.6282

Witness: Bryan Boren Date: 10-22-25 Time: 2:55 am  pm  
 Test Conducted By: Scott Roybal  
 Others Present: \_\_\_\_\_

Well Name: <u>Federal 1-22-9-16</u>	
Field: <u>greater Monument Butte</u>	County: <u>Duchesne</u> State: <u>ut</u>
Location: <u>NE/NE</u> Sec: <u>22</u> T <u>9</u> N/S <input checked="" type="radio"/> R <u>16</u> E/W <input checked="" type="radio"/>	
Operator: <u>Scout</u>	
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: <u>1869</u> psig

Is this a regulary scheduled test? {  } Yes { } No  
 Initial Test for Permit? { } Yes {  } No  
 Test after well rework? { } Yes {  } No  
 Well injection during test? { } Yes {  } No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing / tubing annulus pressure: 0 / 967 psig

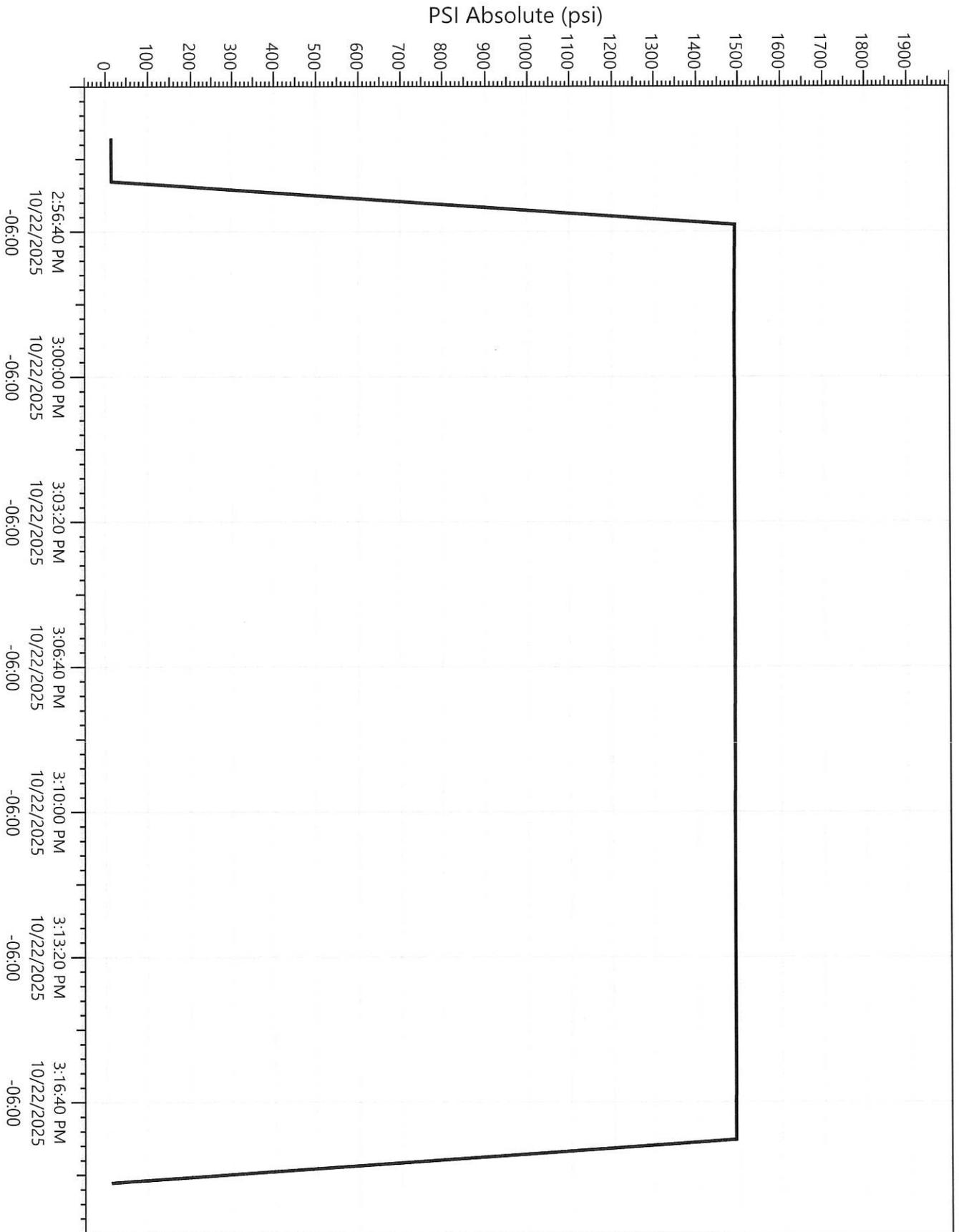
MIT DATA TABLE		Test #1	Test #2
TUBING PRESSURE			
Initial Pressure	<u>967</u>	psig	psig
End of test pressure	<u>967</u>	psig	psig
CASING / TUBING		ANNULUS PRESSURE	
0 minutes	<u>1491</u>	psig	psig
5 minutes	<u>1491</u>	psig	psig
10 minutes	<u>1490</u>	psig	psig
15 minutes	<u>1490</u>	psig	psig
20 minutes	<u>1489</u>	psig	psig
25 minutes		psig	psig
30 minutes		psig	psig
_____ minutes		psig	psig
_____ minutes		psig	psig
RESULT	{ <input checked="" type="checkbox"/> } Pass	{ } Fail	{ } Pass { } Fail

Does the annulus pressure build back up after test? { } Yes {  } No

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: [Signature]  
 Signature of Person Conducting Test: [Signature]

Federal 1-22-9-16  
10/22/2025 2:54:29 PM



Legend
S05126
Pressure