

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 11A-22-9-16

9. API Well No.  
43-013-33149

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SW 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  
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/SW 2007' FSL 1783' FWL 576143Y 40.014595  
At proposed prod. zone 4429548Y -110.107814

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 24.6 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. 633' f/lse. NA f/unit

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. Approx. 1735'

19. Proposed Depth  
5925'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5867' GL

22. Approximate date work will start\*  
3rd Quarter 2006

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 *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 4/18/06

Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 04-25-06

Title ENVIRONMENTAL MANAGER

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)

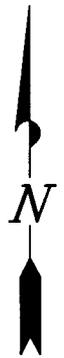
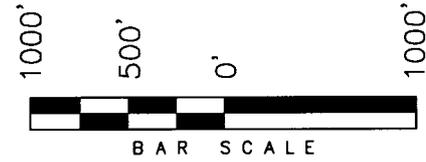
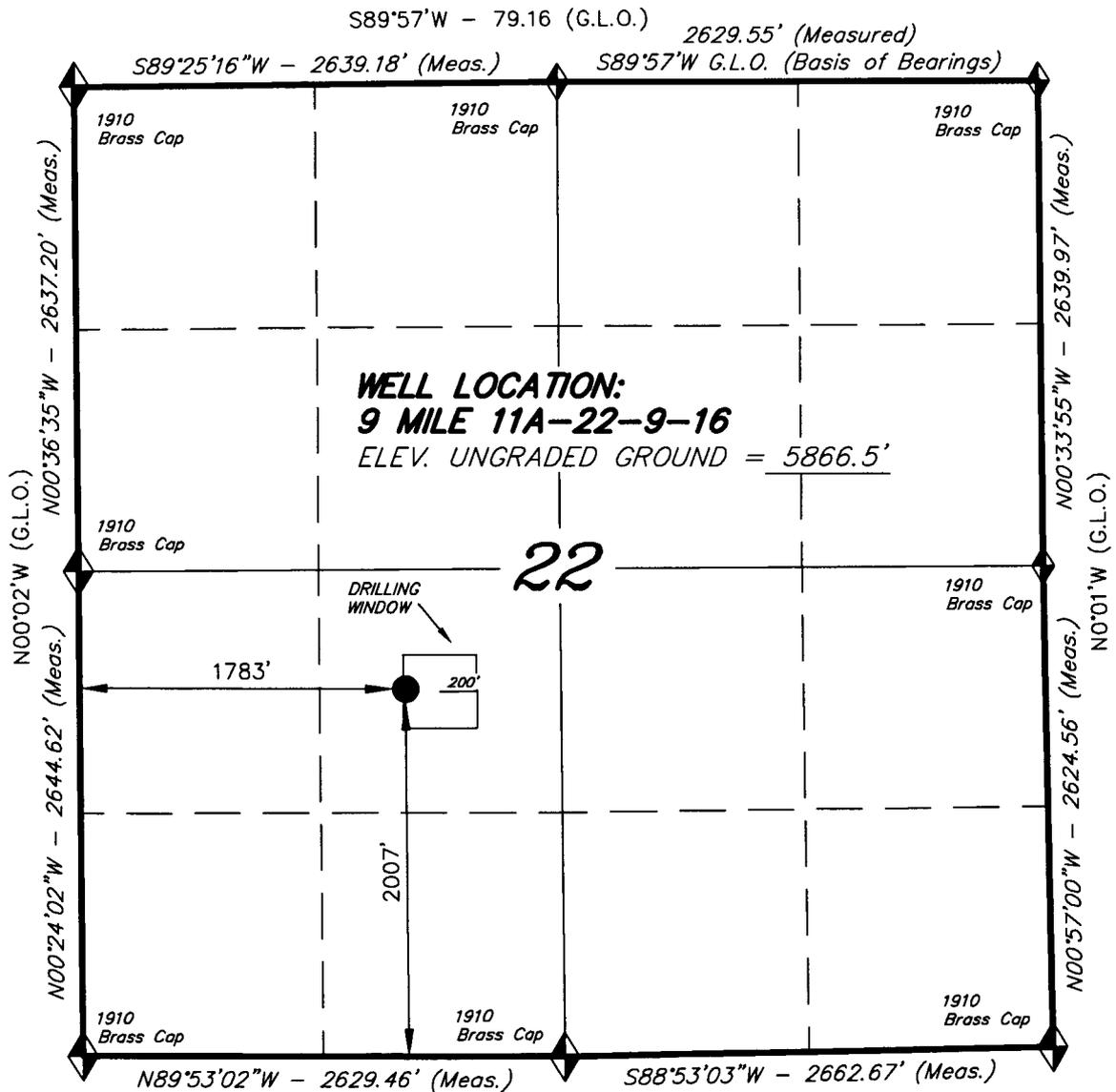
Federal Approval of this  
Action is Necessary

APR 19 2006

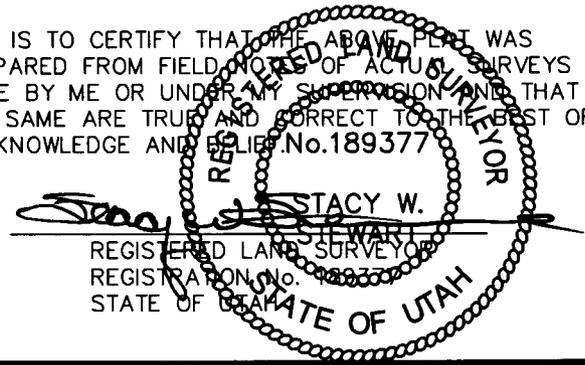
# T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 11A-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 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



◆ = SECTION CORNERS LOCATED

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

**9 MILE 11A-22-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 00' 52.44"  
 LONGITUDE = 110° 06' 30.40"

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

DATE SURVEYED: 03-29-06	SURVEYED BY: C.M.
DATE DRAWN: 03-31-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



April 18, 2006

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 11A-22-9-16, 13-22-9-16 and  
14-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 13-22-9-16 is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in cursive script that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
APR 19 2006

NEWFIELD PRODUCTION COMPANY  
FEDERAL #11A-22-9-16  
NE/SW 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' – 2285'
Green River	2285'
Wasatch	5925'

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

Green River Formation 2285' – 5925' - 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 1800 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.

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #11A-22-9-16  
NE/SW 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 #11A-22-9-16 located in the NE 1/4 SW 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 southwesterly – 10.9 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly and then southwesterly – 10.1 miles  $\pm$  to it's junction with an existing road to the southeast; proceed southeasterly and then northeasterly – 2.0 miles  $\pm$  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**

All permanent surface equipment will be painted Carlsbad Canyon.  
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 (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #11A-22-9-16 there will be no access road proposed. The access road leading to the well location is existing. **Refer to Topographic Map "B"**.

Newfield Production Company requests 170' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the 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.

Newfield Production Company requests 170' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 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 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**

None.

**Reserve Pit Liner**

A 12 mil liner with felt is required. 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)

Western Wheatgrass  
Galletta Grass

*Pascopyrum Smithii*  
*Hilaria Jamesii*

6 lbs/acre  
6 lbs /acre

**Details of the On-Site Inspection**

The proposed Federal #11A-22-9-16 was on-sited on 3/17/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

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

Representative

Name: Shon Mckinnon  
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 #11A-22-9-16 NE/SW 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.

4/18/06

Date

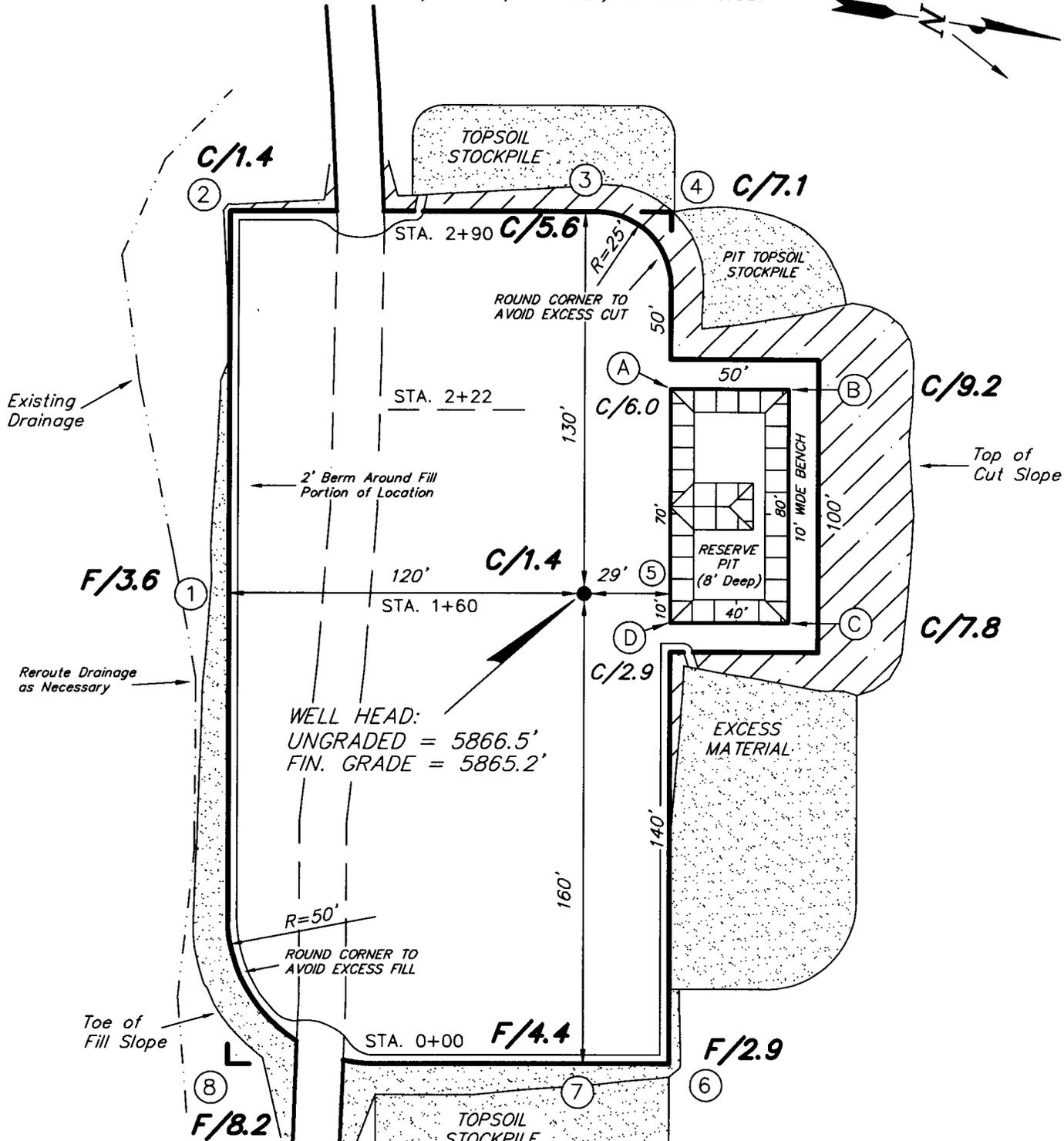
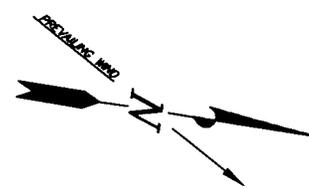


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 11A-22-9-16

Section 22, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5866.5'  
FIN. GRADE = 5865.2'

- REFERENCE POINTS**
- 170' SOUTHERLY = 5864.8'
  - 220' SOUTHERLY = 5871.8'
  - 180' WESTERLY = 5872.0'
  - 230' WESTERLY = 5873.0'

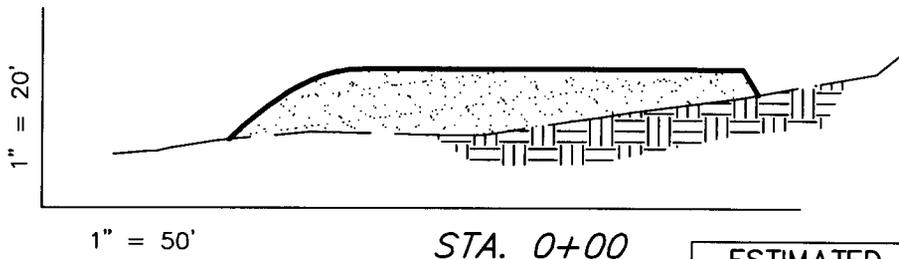
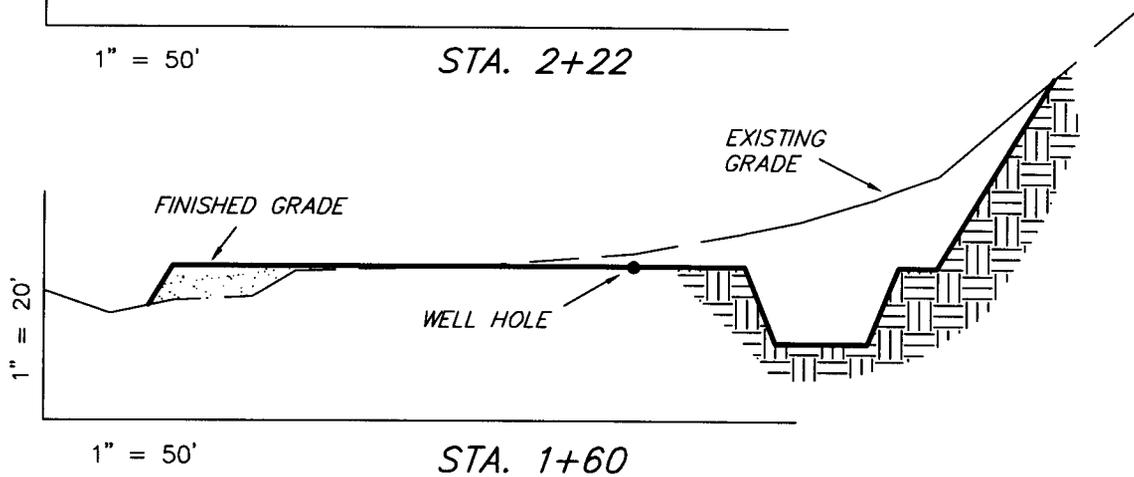
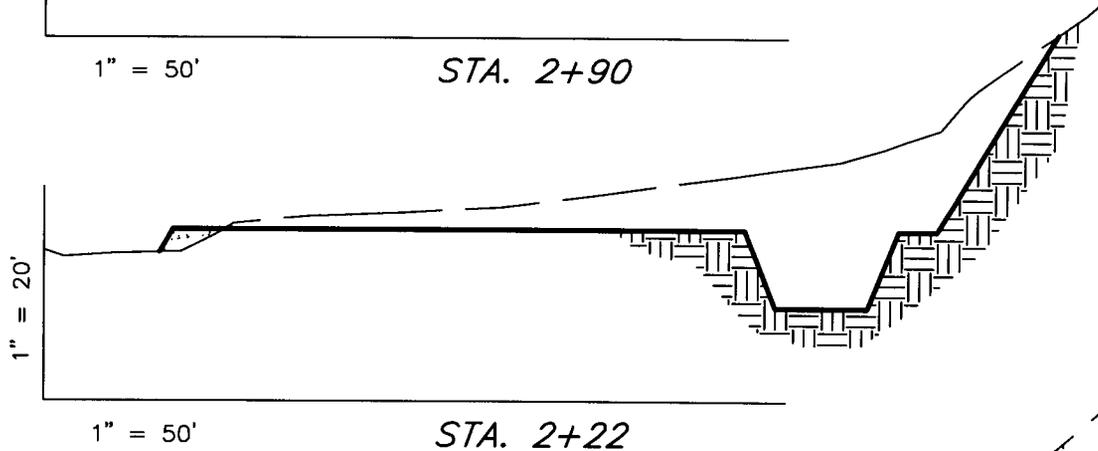
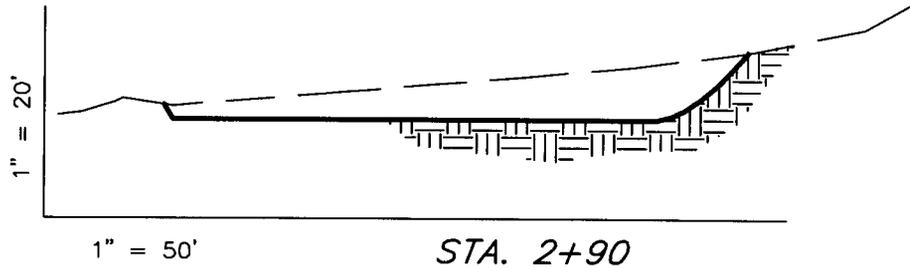
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 03-31-06

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### 9 MILE 11A-22-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/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	3,510	3,510	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,150	3,510	1,070	640

SURVEYED BY: C.M.

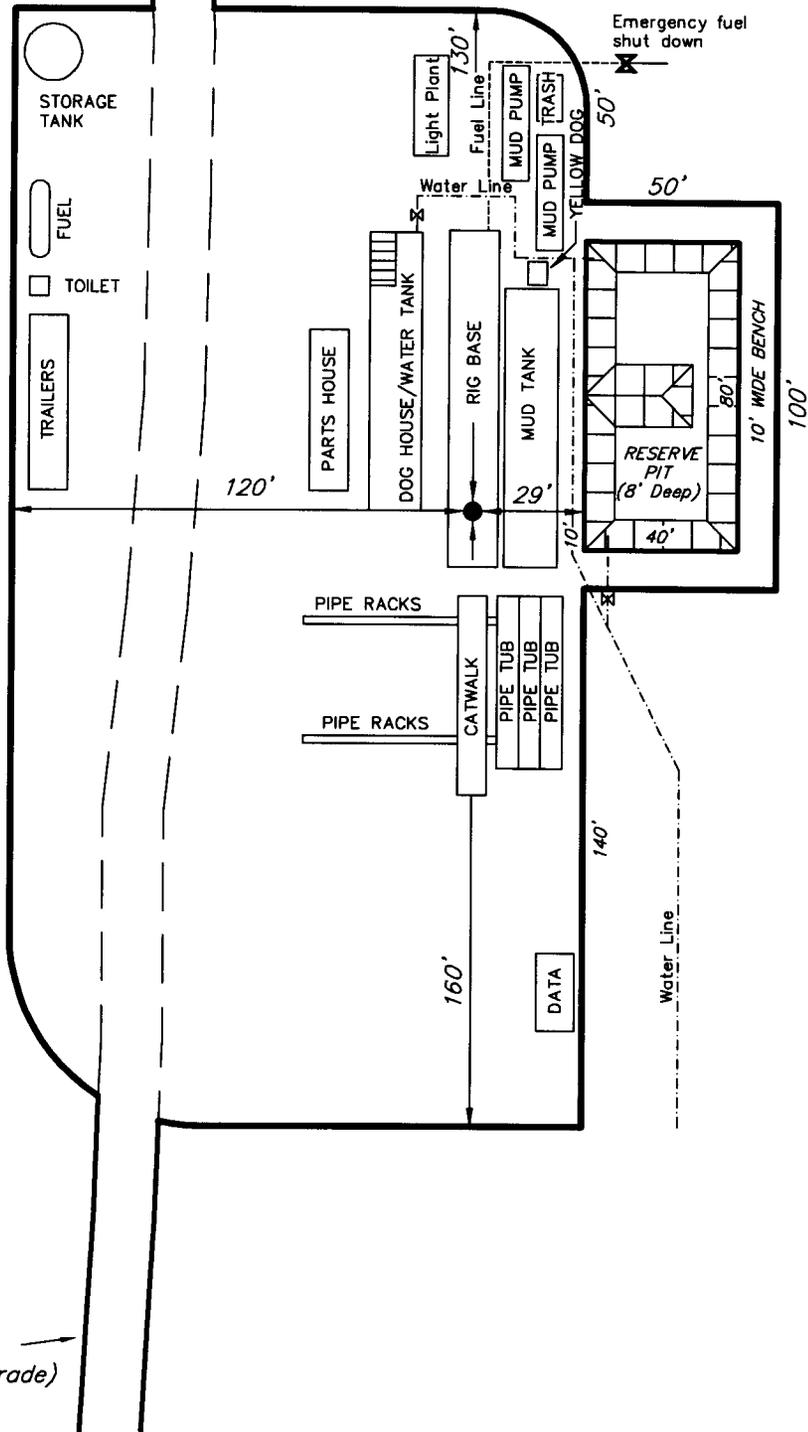
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 03-31-06

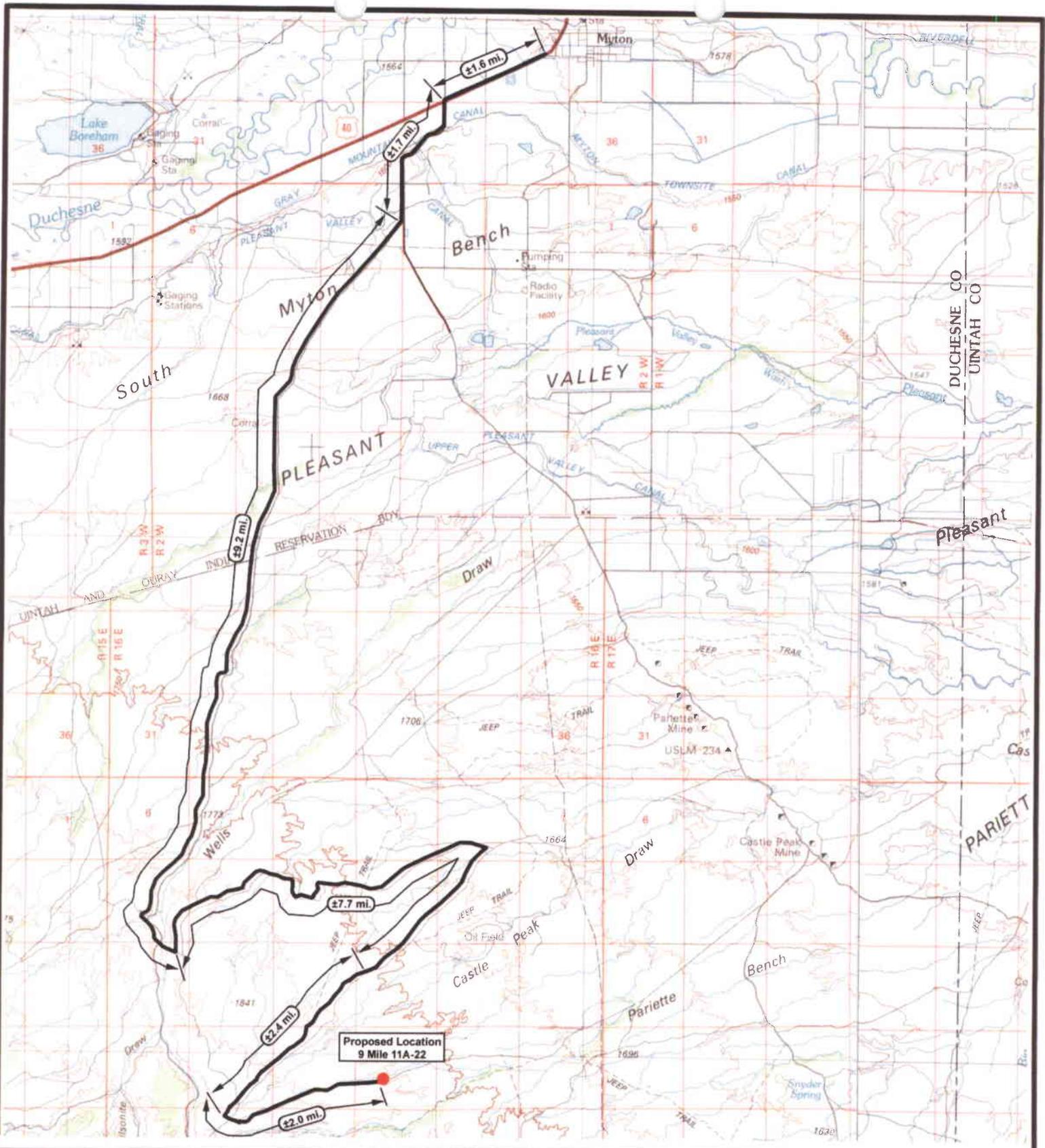
**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**9 MILE 11A-22-9-16**



EXISTING ACCESS ROAD (Max. 6% Grade) →

SURVEYED BY: C.M.	SCALE: 1" = 50'	<p><b>Tri State</b>          Land Surveying, Inc.          180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: F.T.M.	DATE: 03-31-06		



**NEWFIELD**  
Exploration Company

**9 Mile 11A-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

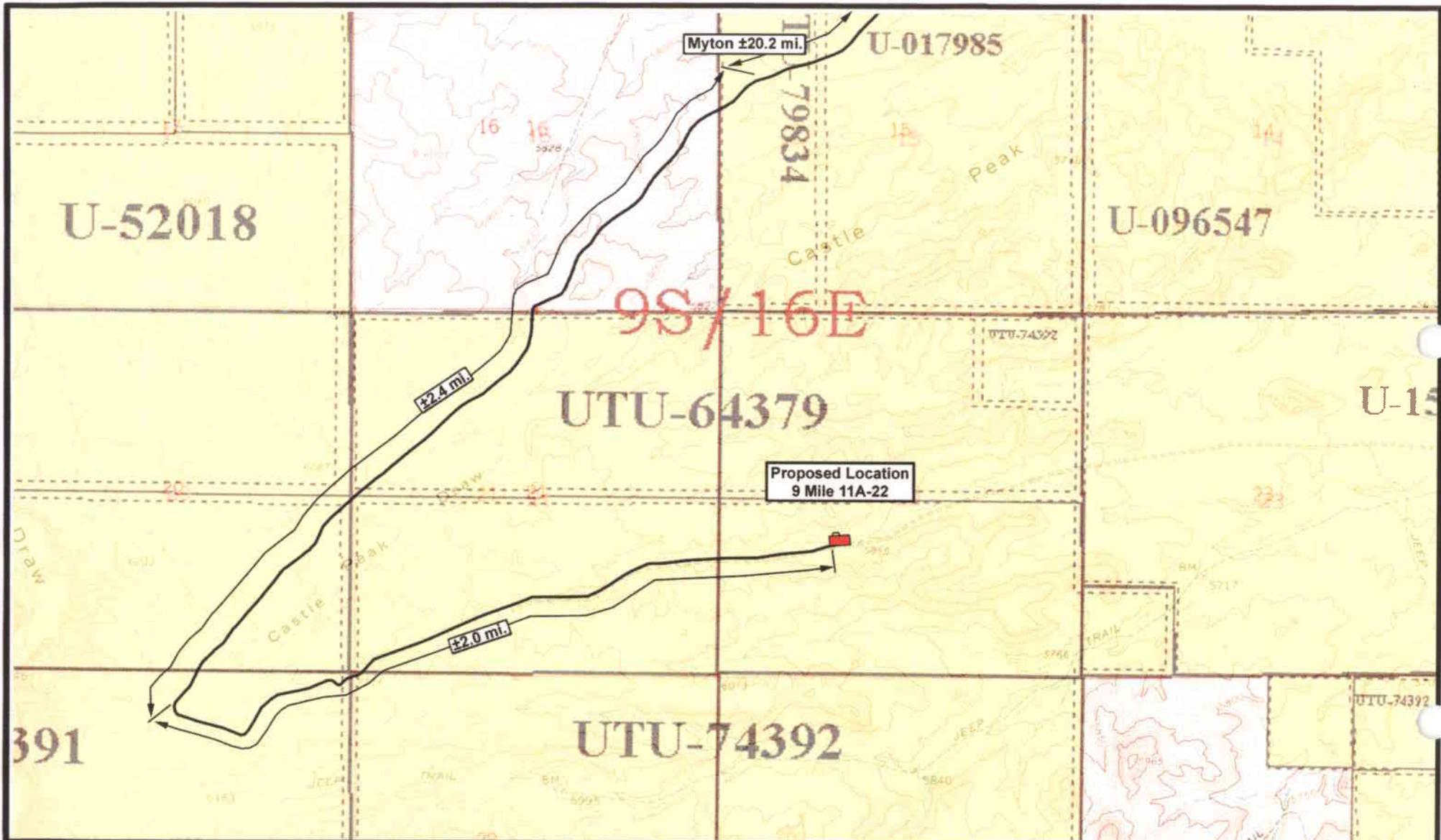
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 03-31-2006

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**



**NEWFIELD**  
Exploration Company

**9 Mile 11A-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

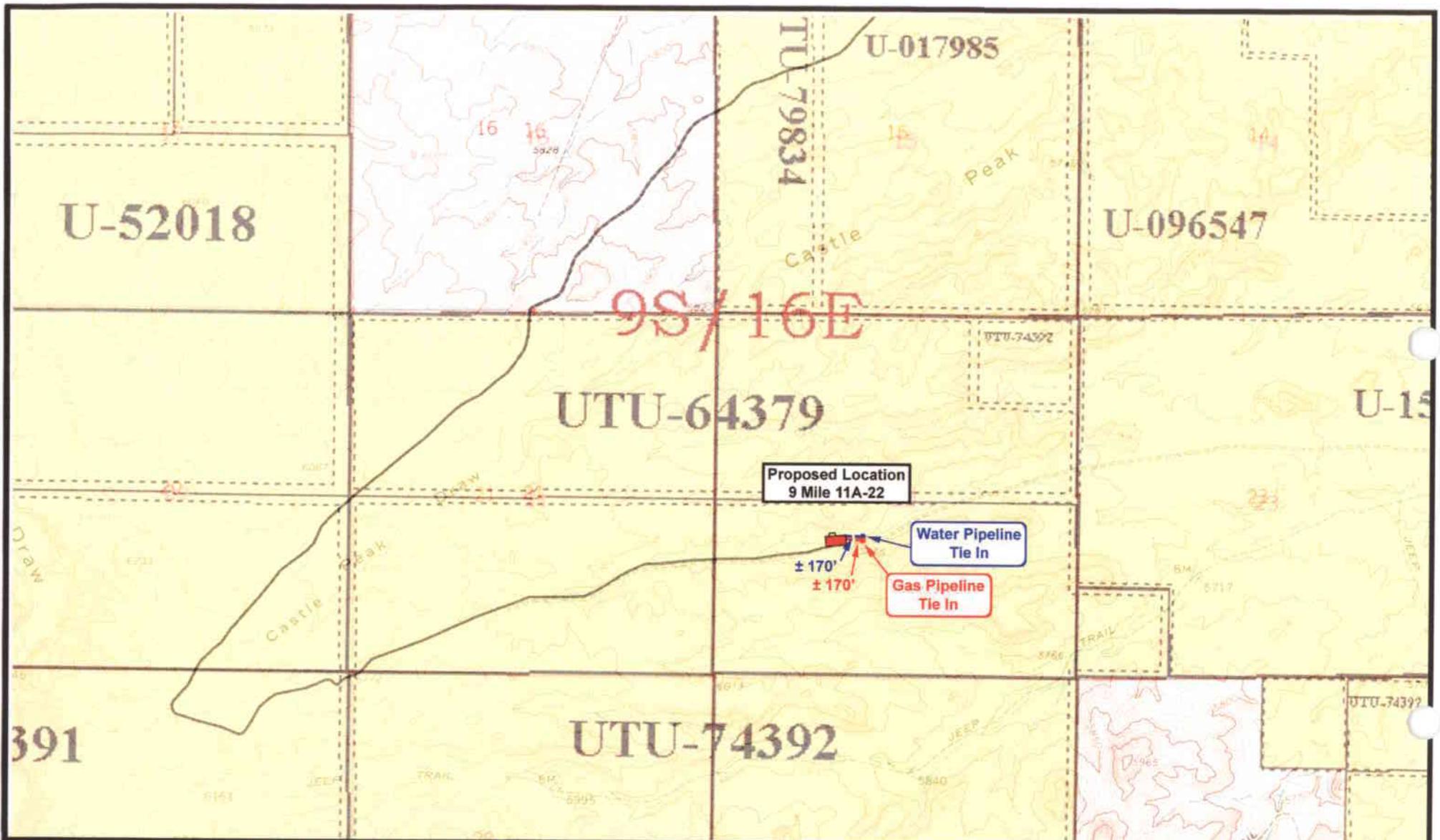


*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 03-31-2006

**Legend**  
Existing Road

**TOPOGRAPHIC MAP**  
**"B"**



**NEWFIELD**  
Exploration Company

**9 Mile 11A-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

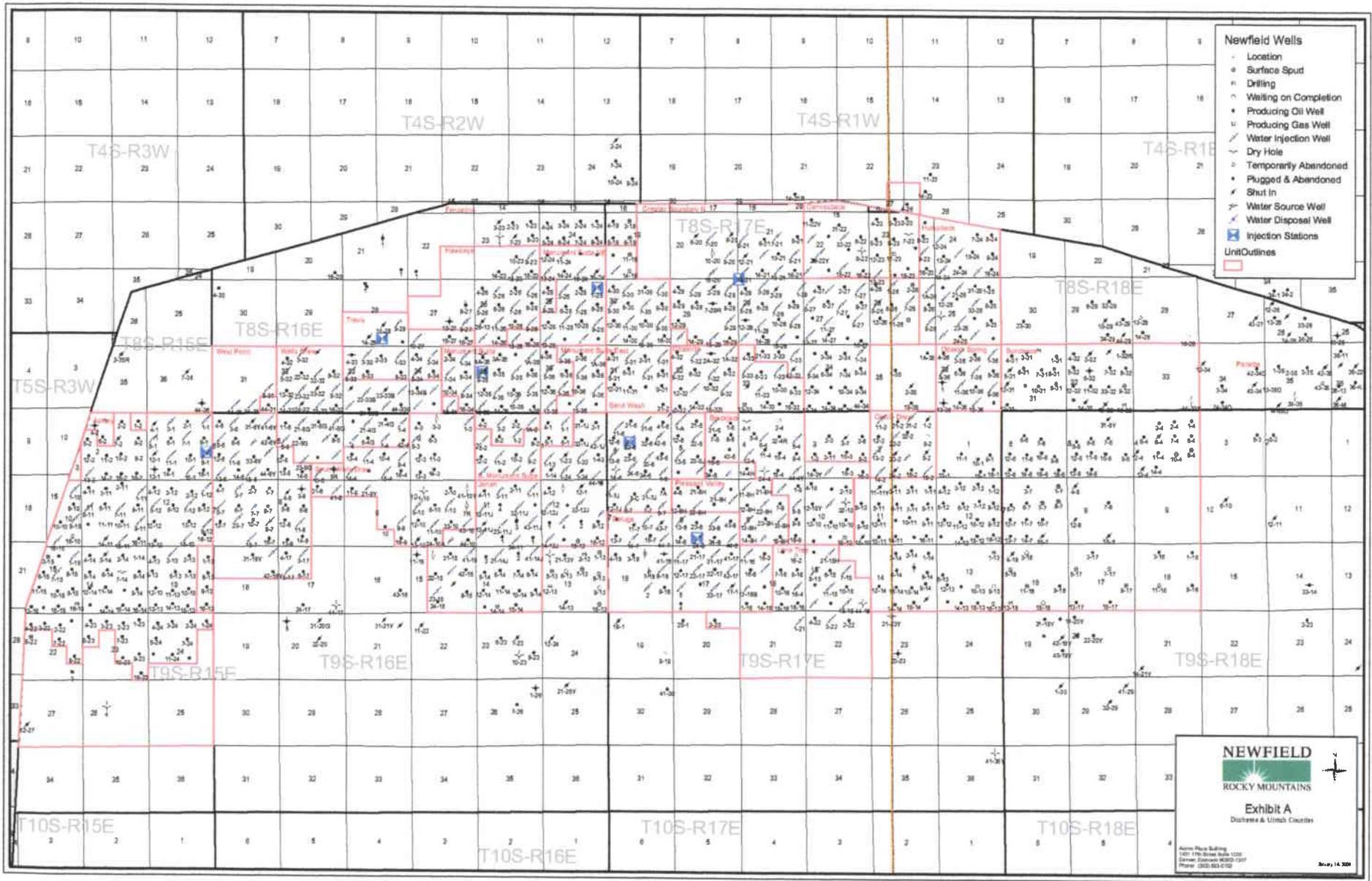
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DATE: 03-31-2006

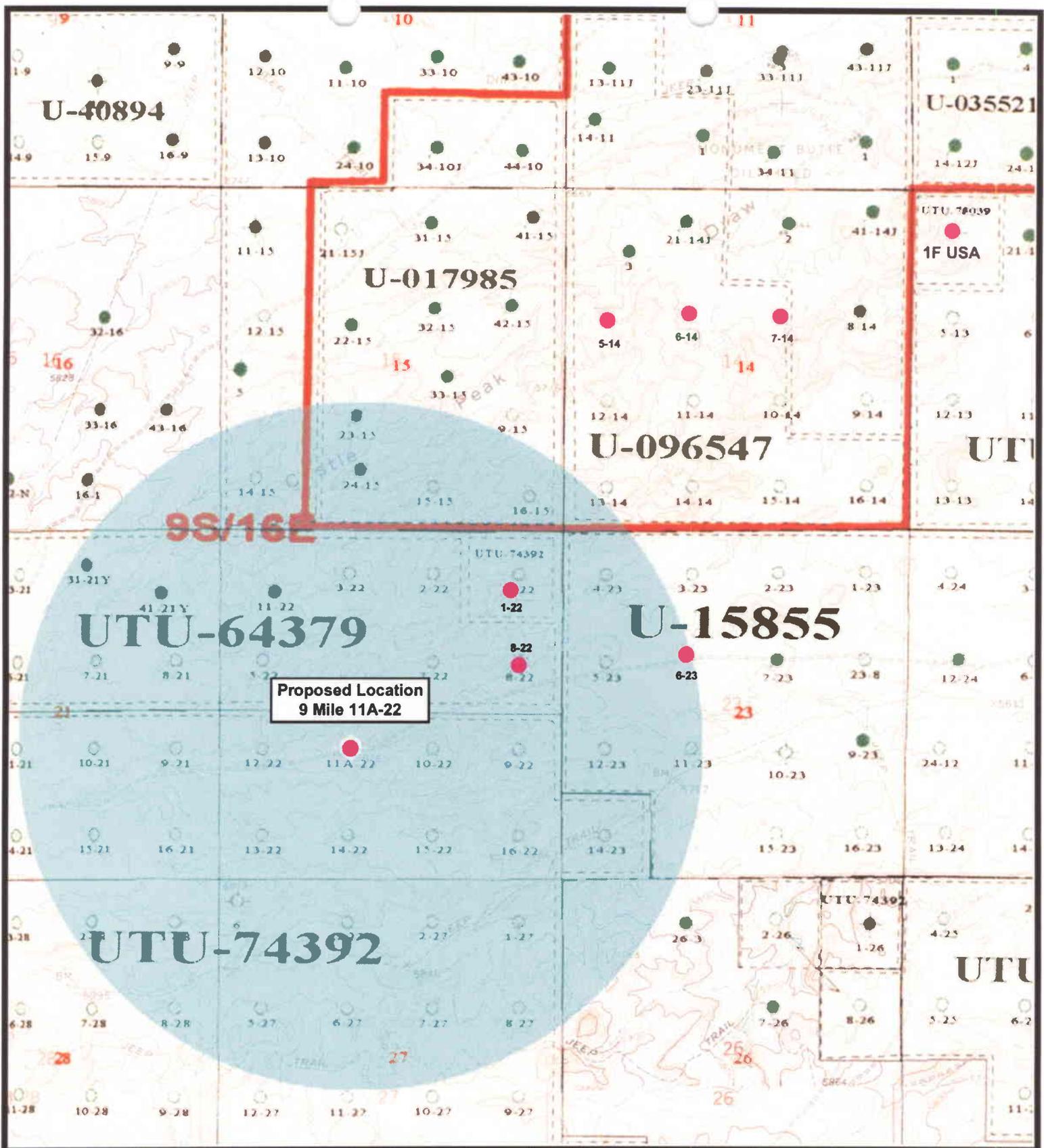
**Legend**

- Roads
- - - Proposed Gas Line
- - - Proposed Water Line

**TOPOGRAPHIC MAP**

**"C"**





Proposed Location  
9 Mile 11A-22



**NEWFIELD**  
Exploration Company

**9 Mile 11A-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: 03-31-2006

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

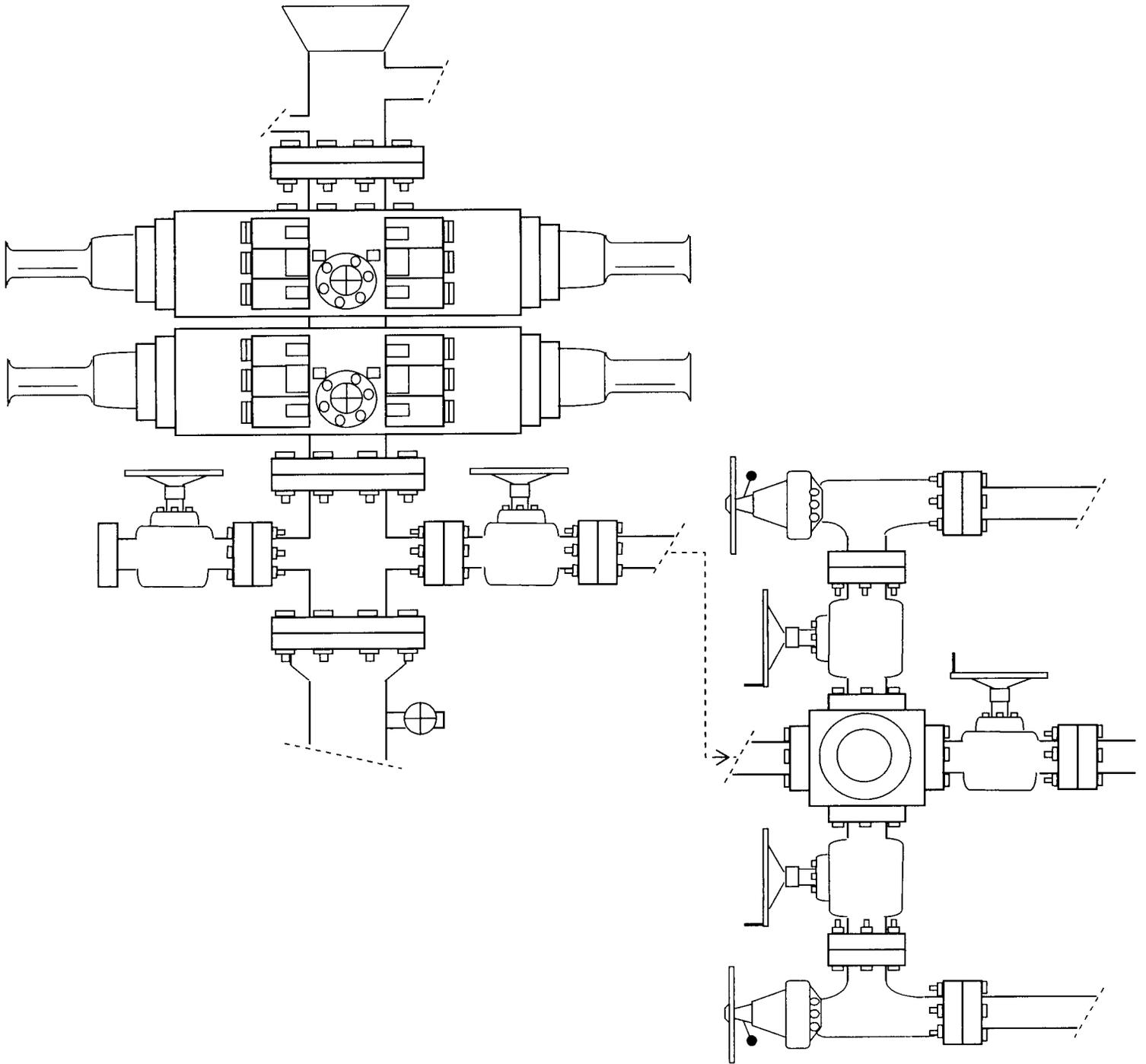


EXHIBIT C

Exhibit "D"  
Page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,  
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau fo Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

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

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0709b

**NEWFIELD PRODUCTION COMPANY**

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

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8, 11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/19/2006

API NO. ASSIGNED: 43-013-33149
--------------------------------

WELL NAME: FEDERAL 11A-22-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 22 090S 160E  
 SURFACE: 2007 FSL 1783 FWL  
 BOTTOM: 2007 FSL 1783 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.01460 LONGITUDE: -110.1078  
 UTM SURF EASTINGS: 576143 NORTHINGS: 4429548  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-74392  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- 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)
- Intent to Commingle (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 W-HP*

# JONAH UNIT

MONUMENT FED 14-15  
 FEDERAL 13-15-9-16

CASTLE PK  
 FED 24-15

JONAH FED  
 15-15-9-16

CASTLE PEAK  
 FED 44-15  
 JONAH FED  
 16-15-9-16

JONAH FED  
 13-14-9-16

T9S R16E

FEDERAL  
 41-21-9-16

MON FED  
 11-22-9-16Y

FEDERAL 3-22-9-16  
 MON FED 21-22-9-16Y

FEDERAL  
 2-22-9-16

FEDERAL  
 1-22-9-16

FEDERAL  
 8-21-9-16

FEDERAL  
 5-22-9-16

FEDERAL  
 7-22-9-16

FEDERAL  
 8-22-9-16

FEDERAL  
 5-23-9-16

FEDERAL  
 9-21-9-16

FEDERAL  
 6-22-9-16

FEDERAL  
 11A-22-9-16

22

## MONUMENT BUTTE FIELD

FEDERAL  
 13-22-9-16

FEDERAL  
 14-22-9-16

CASTLE  
 PEAK U 6

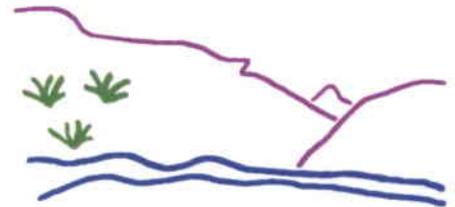
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
 DATE: 24-APRIL-2006

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

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

- Wells Status**
- 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
  - DRILLING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 25, 2006

Newfield Production Company  
Route 3 Box 3630  
Myton, UT 84052

Re: Federal 11A-22-9-16 Well, 2007' FSL, 1783' FWL, NE SW, 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.

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 43-013-33149.

Sincerely,

Gil Hunt  
Associate Director

mf  
Enclosures

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

**Operator:** \_\_\_\_\_ Newfield Production Company

**Well Name & Number** \_\_\_\_\_ Federal 11A-22-9-16

**API Number:** \_\_\_\_\_ 43-013-33149

**Lease:** \_\_\_\_\_ UTU-74392

**Location:** NE SW                      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.**

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APR 19 2006

BLM VERNAL, UTAH

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 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 11A-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SW 2007' FSL 1783' FWL At proposed prod. zone		9. API Well No. 43-013-33149
14. Distance in miles and direction from nearest town or post office* Approximatley 24.6 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. 633' flse, NA f/unit	16. No. of Acres in lease 2080.00	11. Sec., T., R., M., or Blk. and Survey or Area NE/SW 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. Approx. 1735'	12. County or Parish Duchesne
19. Proposed Depth 5925'	20. BLM/BIA Bond No. on file UTB000192	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5867' GL	22. Approximate date work will start* 3rd Quarter 2006	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 	Name (Printed/Typed) Mandie Crozier	Date 4/18/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Terry Kavela	Date 3-12-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD 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)

RECEIVED

MAR 16 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

UDOGM

No NOS

078M4739A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company      Location: NESW, Sec 22, T9S, R16E  
Well No: Federal 11A-22-9-16      Lease No: UTU-74392  
API No: 43-013-33149      Agreement: N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
After Hours Contact Number:	435-781-4513	Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- Location Construction (Notify Chuck Macdonald) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Chuck Macdonald) - Prior to moving on the drilling rig.
- Spud Notice (Notify Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify Petroleum Engineer) - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**LEASE STIPULATIONS AND NOTICES**

- Lease Notices from RMP: Lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Comments:
  1. None of the suspected species (or there burrows or nests) was identified on or near the location.

**CONDITIONS OF APPROVAL**

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.

- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

Crested wheatgrass ( <i>Agropyron cristatum</i> ):	4 lbs/acre
Needle and Threadgrass ( <i>Hesperostipa comata</i> ):	4 lbs/acre
Indian Ricegrass ( <i>Achnatherum hymenoides</i> ):	4 lbs/acre

  - All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. Production casing cement shall be brought up and into the surface.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.  
  
All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
  16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
  17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
  18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

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 11A-22-9-16**

9. API Well No.  
**43-013-33149**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT.**

**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)  
**2007 FSL 1783 FWL NE/SW Section 22, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<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 4/25/06 (expiration 4/25/07).

This APD was approved by the BLM on 3/12/07.

Approved by the  
Utah Division of  
Oil, Gas and Mining

DATE: 4-10-07  
RM

Date: 04-09-07  
By: *[Signature]*

RECEIVED  
APR 09 2007

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

Signed *Mandie Crozier* Title Regulatory Specialist Date 4/4/2007

Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

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

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

**API:** 43-013-33149  
**Well Name:** Federal 11A-22-9-16  
**Location:** NE/SW Section 22,T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 4/25/2006

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

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

Mandi Crozes  
Signature

4/4/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**APR 09 2007**  
DIV. OF OIL, GAS & MINING

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: Newfield Production Company

Well Name: Federal 11A-22-9-16

API No: 43-013-33149 Lease Type: Federal

Section 10 Township 09S Range 22E County Uintah

Drilling Contractor NDSI Rig # NS#1

### **SPUDDED:**

Date 5-15-07

Time 12:00 PM

How Dry

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

Reported by Jim

Telephone # 435-823-2072

Date 5-15-07 Signed RM

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	12187	4301333264	<i>Hawkeye</i> FEDERAL I-26-B-16	SENE	26	8S	16E	DUCHESNE	5/11/2007	5/30/07
WELL 1 COMMENTS: <i>B HL = C NE/4 GRU</i>											
A	99999	16132	4301333100	FEDERAL 6-19-9-16	SENW	19	9S	16E	DUCHESNE	5/13/2007	5/30/07
<i>GRU</i>											
A	99999	16133	4301333148	FEDERAL 13-22-9-16	SWSW	22	9S	16E	DUCHESNE	5/13/2007	5/30/07
<i>GRU</i>											
A	99999	16134	4301333165	FEDERAL 16-21-9-16	SESE	21	9S	16E	DUCHESNE	5/13/2007	5/30/07
<i>GRU</i>											
A	99999	16135	4301333110	FEDERAL 10-21-9-16	NWSE	21	9S	16E	DUCHESNE	5/13/2007	5/30/07
WELL 5 COMMENTS: <i>GRU</i>											
A	99999	16136	4301333149	FEDERAL 11A-22-9-16	NESE	22	9S	16E	DUCHESNE	5/16/2007	5/30/07
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - 1 new entity for new well (single well only)
  - B - well to existing entity (group or unit well)
  - C - from one existing entity to another existing entity
  - D - 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.

RECEIVED  
MAY 16 2007

Signature Jenri Park  
Production Clerk  
Date April 18, 2007

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.  
USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.  
FEDERAL 11A-22-9-16

9. API Well No.  
4301333149

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**SUBMIT IN ORIGINAL COPY - Other: file in file folder 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 (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2007 FSL 1783 FWL  
NESW 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	<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	<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 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.)

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.

I hereby certify that the foregoing is true and correct (Printed/ Typed)  
Mandie Czizier

Signature *Mandie Czizier*

Title  
Regulatory Specialist

Date  
07/19/2007

**THIS SPACE RESERVED FOR ORIGINAL FILED COPY**

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 any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**  
JUL 20 2007

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74392

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**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.

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:      PHONE NUMBER  
Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052      435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2007 FSL 1783 FWL      COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN:      NESW, 22, T9S, R16E      STATE:      UT

8. WELL NAME and NUMBER:  
FEDERAL 11A-22-9-16

9. API NUMBER:  
4301333149

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

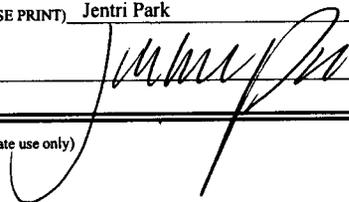
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  <hr/>	<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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 08/07/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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 FLAIR
	<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/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER - Weekly Status Report
	<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.  
The above subject well was completed on 07/18/07, attached is a daily completion status report.

**RECEIVED**  
**AUG 14 2007**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) Jentri Park      TITLE Production Clerk

SIGNATURE       DATE 08/07/2007

(This space for State use only)

## Daily Activity Report

Format For Sundry  
**FEDERAL 11A-22-9-16**  
**5/1/2007 To 9/30/2007**

**7/10/2007 Day: 1**

**Completion**

Rigless on 7/9/2007 - nstall 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 183'. Perforate stage #1. CP5 sds @ 5601-18' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. 139 BWTR. SIFN.

**7/12/2007 Day: 2**

**Completion**

Rigless on 7/11/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 50,556#'s of 20/40 sand in 495 bbls of Lightning 17 frac fluid. Open well w/ 5 psi on casing. Perfs broke down @ 3823 psi. Treated @ ave pressure of 1972 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2200. 634 bbls EWTR. Leave pressure on well. RU Lone Wif WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) & 12' perf gun. Set plug @ 5020'. Perforate A1 sds @ 4885-97' w/ 3-1/8" slick guns (23 gram, .43"HE, 90° ) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 70,631#'s of 20/40 sand in 616 bbls of Lightning 17 frac fluid. Open well w/ 1841 psi on casing. Perfs broke down @ 3881 psi. Treated @ ave pressure of 1959 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2160. 1250 bbls EWTR. Leave pressure on well. RIH w/ frac solid plug & 5' perf gun. Set plug @ 4605'. Perforate D1 ss @ 4490-95' w/ 4 spf for total of 20 shots. SIFN.

**7/13/2007 Day: 3**

**Completion**

Rigless on 7/12/2007 - BJ broke down. RU BJ & frac stage #3 w/ 20,088#'s of 20/40 sand in 310 bbls of Lightning 17 frac fluid. Open well w/ 40 psi on casing. Perfs broke down @ 1608 psi. Treated @ ave pressure of 1769 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1908. 1560 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 8' perf gun. Set plug @ 4060". Perforate GB4 sds @ 3940-48' w/ 4 spf for total of 32 shots. RU BJ & frac stage #4 w/ 42,107#'s of 20/40 sand in 394 bbls of Lightning 17 frac fluid. Open well w/ 1452 psi on casing. Perfs broke down @ 2449 psi. Treated @ ave pressure of 1555 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1470. 1954 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours w/ 210 bbls rec'd. SIFN.

**7/17/2007 Day: 4**

**Completion**

Western #2 on 7/16/2007 - Finish rig repairs. MIRU Western #2. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg to 2960'. SIFN W/ est 1744 BWTR.

**7/18/2007 Day: 5**

**Completion**

Western #2 on 7/17/2007 - Con't PU & TIH W/ bit and tbg f/ 2960'. Tag fill @ 4042'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4042', plug @ 4060' in 11 minutes; sd @ 4577', plug @ 4605' in 19 minutes; sd @ 4893', plug @ 5020' in 23 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5748'. PU swivel. Drill plug remains & sd to PBTD @ 5821'. Circ hole clean. Lost est 40 BW during cleanout. RD swivel. Pull EOT to 5773'. RU swab equipment. IFL @ sfc. Made 15 swb runs rec 144 BTF W/ light gas, tr oil & sm tr sd. FFL @ 1900'. SIFN W/ est 1630 BWTR.

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7/19/2007 Day: 6

Completion

Western #2 on 7/18/2007 - Bleed pressure off well. TIH W/ tbg. Tag sd @ 5818' (3' new fill). C/O sd to PBTD @ 5821'. Circ hole clean. Lost est 25 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, 2 jts tbg, new CDI 5 1/2" TA (45K) & 179 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5564' W/ SN @ 5630' & EOT @ 5692'. Land tbg W/ 16,000# tension. NU wellhead. RU & flush tbg W/ 60 BW (returned same amount). PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 20' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 98-3/4" plain rods, 100-3/4" scraped rods, 1-8', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 26' 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 1655 BWTR. Place well on production @ 6:30 PM 7/18/2007 W/ 120" SL @ 5 SPM. FINAL REPORT!!

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Pertinent Files: Go to File List

RECEIVED

AUG 14 2007

DIV. OF OIL, GAS & MINING

(Use 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, ALLOTTEE OR TRIBE NAME  
**NA**

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME

**Federal**

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.

**Federal 11A-22-9-16**

2. NAME OF OPERATOR

**Newfield Exploration Company**

9. WELL NO.

**43-013-33149**

3. ADDRESS AND TELEPHONE NO.

**1401 17th St. Suite 1000 Denver, CO 80202**

10. FIELD AND POOL OR WILDCAT OR AREA

**Monument Butte**

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

At Surface **2007' FSL & 1783' FWL (NE/SW) 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. **43-013-33149** DATE ISSUED **04/25/07**

12. COUNTY OR PARISH  
**Duchesne**

13. STATE  
**UT**

15. DATE SPUDDED  
**05/15/07**

16. DATE T.D. REACHED  
**06/26/07**

17. DATE COMPL. (Ready to prod.)  
**07/18/07**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**5867' GL**

19. ELEV. CASINGHEAD  
**5879' KB**

20. TOTAL DEPTH, MD & TVD

**5840'**

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

**5821'**

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 3940'-5618'**

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#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5843'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5692'	TA @ 5564'

**30. TUBING RECORD**

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5601'-5618'	.49"	4/68	5601'-5618'	Frac w/ 50,556# 20/40 sand in 495 bbls fluid
(A1) 4885'-4897'	.43"	4/48	4885'-4897'	Frac w/ 70,631# 20/40 sand in 616 bbls fluid
(D1) 4490'-4495'	.43"	4/20	4490'-4495'	Frac w/ 20,088# 20/40 sand in 310 bbls fluid
(GB4) 3940'-3948'	.43"	4/32	3940'-3948'	Frac w/ 42,107# 20/40 sand in 394 bbls fluid

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
07/18/07	2-1/2" x 1-1/2" x 20' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN. FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
10 day ave			----->	27	6	84	222
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 all available records

SIGNED

*Jenfr Park*  
Jenfr Park

TITLE

**Production Clerk**

DATE

**8/15/2007**

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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
			Well Name Federal 11A-22-9-16	Garden Gulch Mkr	3481'	
				Garden Gulch 1	3676'	
				Garden Gulch 2	3784'	
				Point 3 Mkr	4026'	
				X Mkr	4297'	
				Y-Mkr	4330'	
				Douglas Creek Mkr	4446'	
				BiCarbonate Mkr	4681'	
				B Limestone Mkr	4780'	
				Castle Peak	5302'	
				Basal Carbonate	5748'	
				Total Depth (LOGGERS)	5845'	



# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: July 18, 2007 Day: 05  
 Operation: Completion Rig: Western #2

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBDT: 5821'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5773' BP/Sand PBDT: 5821'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 17, 2007 SITP: \_\_\_\_\_ SICP: 0

Con't PU & TIH W/ bit and tbg f/ 2960'. Tag fill @ 4042'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4042', plug @ 4060' in 11 minutes; sc @ 4577', plug @ 4605' in 19 minutes; sd @ 4893', plug @ 5020' in 23 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5748'. PU swivel. Drill plug remains & sd to PBDT @ 5821'. Circ hole clean. Lost est 40 BW during cleanout RD swivel. Pull EOT to 5773'. RU swab equipment. IFL @ sfc. Made 15 swb runs rec 144 BTF W/ light gas, tr oil & sm tr sd. FFL @ 1900'. SIFN W/ est 1630 BWTR.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 114 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1630 Cum oil recovered: \_\_\_\_\_  
 IFL: sfc FFL: 1900' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: tr

### STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

### COSTS

Western #2 rig	\$5,654
Weatherford BOP	\$250
NDSI wtr disposal	\$4,000
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: \$10,809

TOTAL WELL COST: \$601,012

# NEWFIELD



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16      **Report Date:** July 17, 2007      **Day:** 04  
**Operation:** Completion      **Rig:** Western #2

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 5843'      **Csg PBTD:** 5794' WL  
**Tbg:** **Size:** 2 7/8"    **Wt:** 6.5#    **Grd:** J-55    **Pkr/EOT @:** 2960'    **BP/Sand PBTD:** 4060'  
**Plug** 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** July 16, 2007      **SITP:** \_\_\_\_\_      **SICP:** 0

Finish rig repairs. MIRU Western #2. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub 8 new 2 7/8 8rd 6.5# J-55 tbg to 2960'. SIFN W/ est 1744 BWTR.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1744      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1744      **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:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Max TP:** \_\_\_\_\_    **Max Rate:** \_\_\_\_\_    **Total fluid pmpd:** \_\_\_\_\_  
**Avg TP:** \_\_\_\_\_    **Avg Rate:** \_\_\_\_\_    **Total Prop pmpd:** \_\_\_\_\_  
**ISIP:** \_\_\_\_\_    **5 min:** \_\_\_\_\_    **10 min:** \_\_\_\_\_    **FG:** \_\_\_\_\_

**Completion Supervisor:** Gary Dietz

### COSTS

Western #2 rig	\$2,940
Weatherford BOP	\$250
Liddell trucking	\$1,000
NPC trucking	\$600
NDSI wtr & truck	\$400
Unichem chemicals	\$300
NPC sfc equipment	\$130,000
Boren labor/welding	\$19,500
Mt. West sanitation	\$300
NPC location cleanup	\$300
Monks pit reclaim	\$1,800
Nabors swivel	\$750
NPC supervision	\$300
<b>DAILY COST:</b>	<b>\$158,440</b>
<b>TOTAL WELL COST:</b>	<b>\$590,203</b>

# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: 13-Jul-07 Day: 3b  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4060'  
 Plug 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jul-07 SITP: \_\_\_\_\_ SICP: 1452

Day3b.

RU WLT. RIH w/ flow through frac plug & 8' perf gun. Set plug @ 4060". Perforate GB4 sds @ 3940-48' w/ 4 spf for total of 32 shots. RU BJ & frac stage #4 w/ 42,107#'s of 20/40 sand in 394 bbls of Lightning 17 frac fluid. Open well w/ 1452 psi on casing. Perfs broke down @ 2449 psi. Treated @ ave pressure of 1555 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1470. 1954 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours w/ 210 bbls rec'd SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1954 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 210 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1744 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: GB4 sds down casing  
1554 gals of 767W & to cross link  
3192 gals of pad  
2500 gals w/ 1-5 ppg of 20/40 sand  
5396 gals w/ 5-8 ppg of 20/40 sand  
Flush w/ 3906 gals of slick water

### COSTS

Weatherford Services	\$2,300
C-D trkg frac water	\$880
NPC fuel gas	\$120
BJ Services A1 sds	\$21,983
Lone Wolf A1 sds	\$4,500
C-D trkg water transfer	\$500

Max TP: 1735 Max Rate: 24.8 Total fluid pmpd: 394 bbls  
 Avg TP: 1555 Avg Rate: 24.8 Total Prop pmpd: 42,107#'s  
 ISIP: 1470 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .81

Completion Supervisor: Ron Shuck

DAILY COST: \$30,283  
 TOTAL WELL COST: \$431,763

# NEWFIELD



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16      **Report Date:** 13-Jul-07      **Day:** 3a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 5843'      **Csg PBTD:** 5794' WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4605'  
Plug 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>	_____	_____	_____
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 13-Jul-07      **SITP:** \_\_\_\_\_ **SICP:** 40

Day3a.

BJ broke down. RU BJ & frac stage #3 w/ 20,088#'s of 20/40 sand in 310 bbls of Lightning 17 frac fluid. Open well w/ 40 psi on casing. Perfs broke down @ 1608 psi. Treated @ ave pressure of 1769 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1908. 1560 bbls EWTR. Leave pressure or well. **See day3b.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1250      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 310      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1560      **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:** D1 sds down casing  
1890 gals of 767W & to cross link  
1974 gals of pad  
1511 gals w/ 1-4 ppg of 20/40 sand  
3151 gals w/ 4-6.5 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 3990 gals of slick water

### COSTS

<u>Weatherford Services</u>	<u>\$3,300</u>
<u>C-D trkg frac water</u>	<u>\$440</u>
<u>NPC fuel gas</u>	<u>\$60</u>
<u>BJ Services D1 sds</u>	<u>\$6,209</u>
<u>Lone Wolf D1 sds</u>	<u>\$4,329</u>
<u>NPC Supervisor</u>	<u>\$300</u>

**\*\*Flush called @ blender to include 2 bbls pump/line voume\*\***

**Max TP:** 1998      **Max Rate:** 24.8      **Total fluid pmpd:** 310 bbls  
**Avg TP:** 1769      **Avg Rate:** 24.8      **Total Prop pmpd:** 20,088#'s  
**ISIP:** 1908      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .86

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$14,638  
**TOTAL WELL COST:** \$401,480

# NEWFIELD



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16      **Report Date:** 12-Jul-07      **Day:** 2b  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 5843'      **Csg PBTD:** 5794' WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4605'  
**Plug** 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>	_____	_____	_____
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 11-Jul-07      **SITP:** \_\_\_\_\_ **SICP:** 1841

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) & 12' per gun. Set plug @ 5020'. Perforate A1 sds @ 4885-97' w/ 3-1/8" slick guns (23 gram, .43"HE, 90 ) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 70,631#'s of 20/40 sand in 616 bbls of Lightning 17 frac fluid. Open well w/ 1841 psi on casing. Perfs broke down @ 3881 psi. Treated @ ave pressure of 1959 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2160. 1250 bbls EWTR. Leave pressure or well. RIH w/ frac solid plug & 5' perf gun. Set plug @ 4605'. Perforate D1 ss @ 4490-95' w/ 4 spf for total of 20 shots SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 634      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 616      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1250      **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:** A1 sds down casing  
1596 gals of 767W & to cross link  
5376 gals of pad  
3625 gals w/ 1-5 ppg of 20/40 sand  
7250 gals w/ 5-8 ppg of 20/40 sand  
3111 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4410 gals of slick water

### COSTS

<u>Weatherford Services</u>	<u>\$2,300</u>
<u>C-D trkg frac water</u>	<u>\$1,560</u>
<u>NPC fuel gas</u>	<u>\$200</u>
<u>BJ Services A1 sds</u>	<u>\$14,966</u>
<u>Lone Wolf A1 sds</u>	<u>\$4,500</u>
_____	_____
_____	_____
_____	_____
_____	_____

**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***

**Max TP:** 2253      **Max Rate:** 24.8      **Total fluid pmpd:** 616 bbls  
**Avg TP:** 1959      **Avg Rate:** 24.8      **Total Prop pmpd:** 70,631#'s  
**ISIP:** 2160      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .88

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ \$23,526  
**TOTAL WELL COST:** \_\_\_\_\_ \$386,842



# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: 10-Jul-07 Day: 1  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Jul-07 SITP: \_\_\_\_\_ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 183'. Perforate stage #1. CP5 sds @ 5601-18' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. 139 BWTR. SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 139 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

Weatherford BOP	\$450
NPC NU crew	\$300
NDSI trucking	\$800
Perforators LLC	\$6,608
Drilling cost	\$321,602
Action hot oil	\$420
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: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Orson Barney

DAILY COST: \$336,480  
 TOTAL WELL COST: \$336,480

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

(See other instructions on reverse side)

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

<b>1a. TYPE OF WORK</b>		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
<b>1b. TYPE OF WELL</b>		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
			DIFF RESVR. <input type="checkbox"/>	Other _____	
<b>2. NAME OF OPERATOR</b> Newfield Exploration Company					
<b>3. ADDRESS AND TELEPHONE NO.</b> 1401 17th St. Suite 1000 Denver, CO 80202					
<b>4. LOCATION OF WELL</b> (Report locations clearly and in accordance with any State requirements.)* At Surface 2007' FSL & 1783' FWL (NE/SW) Sec. 22, T9S, R16E At top prod. Interval reported below  At total depth					
<b>14. API NO.</b> 43-013-33149		<b>DATE ISSUED</b> 04/25/07		<b>12. COUNTY OR PARISH</b> Duchesne	<b>13. STATE</b> UT
<b>15. DATE SPUDDED</b> 05/15/07	<b>16. DATE T.D. REACHED</b> 06/26/07	<b>17. DATE COMPL. (Ready to prod.)</b> 07/18/07	<b>18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*</b> 5867' GL 5879' KB		<b>19. ELEV. CASINGHEAD</b>
<b>20. TOTAL DEPTH, MD &amp; TVD</b> 5840'		<b>21. PLUG BACK T.D., MD &amp; TVD</b> 5821'		<b>22. IF MULTIPLE COMPL., HOW MANY*</b>	<b>23. INTERVALS DRILLED BY</b> ----->
				<b>ROTARY TOOLS</b> X	<b>CABLE TOOLS</b>
<b>24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*</b> Green River 3940'-5618'					<b>25. WAS DIRECTIONAL SURVEY MADE</b> No
<b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log					<b>27. WAS WELL CORED</b> 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#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5843'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						5692'	5564'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
(CP5) 5601'-5618'	.49"	4/68	5601'-5618'	Frac w/ 50,556# 20/40 sand in 495 bbls fluid	
(A1) 4885'-4897'	.43"	4/48	4885'-4897'	Frac w/ 70,631# 20/40 sand in 616 bbls fluid	
(D1) 4490'-4495'	.43"	4/20	4490'-4495'	Frac w/ 20,088# 20/40 sand in 310 bbls fluid	
(GB4) 3940'-3948'	.43"	4/32	3940'-3948'	Frac w/ 42,107# 20/40 sand in 394 bbls fluid	

33.* PRODUCTION							
<b>DATE FIRST PRODUCTION</b> 07/18/07		<b>PRODUCTION METHOD</b> (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 20' RHAC SM Plunger Pump				<b>WELL STATUS</b> (Producing or shut-in) PRODUCING	
<b>DATE OF TEST</b> 10 day ave	<b>HOURS TESTED</b>	<b>CHOKE SIZE</b>	<b>PROD'N. FOR TEST PERIOD</b> ----->	<b>OIL--BBL.</b> 27	<b>GAS--MCF.</b> 6	<b>WATER--BBL.</b> 84	<b>GAS-OIL RATIO</b> 222
<b>FLOW. TUBING PRESS.</b>	<b>CASING PRESSURE</b>	<b>CALCULATED 24-HOUR RATE</b> ----->	<b>OIL--BBL.</b>	<b>GAS--MCF.</b>	<b>WATER--BBL.</b>	<b>OIL GRAVITY-API (CORR.)</b>	

<b>34. DISPOSITION OF GAS</b> (Sold, used for fuel, vented, etc.) Sold & Used for Fuel	<b>TEST WITNESSED BY</b>
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35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Jentri Park TITLE Production Clerk DATE 8/15/2007

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
			Well Name Federal 11A-22-9-16	Garden Gulch Mkr	3481'	
				Garden Gulch 1	3676'	
				Garden Gulch 2	3784'	
				Point 3 Mkr	4026'	
				X Mkr	4297'	
				Y-Mkr	4330'	
				Douglas Creek Mkr	4446'	
				BiCarbonate Mkr	4681'	
				B Limestone Mkr	4780'	
				Castle Peak	5302'	
				Basal Carbonate	5748'	
				Total Depth (LOGGERS)	5845'	

<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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 11A-22-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013331490000
<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> 2007 FSL 1783 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW 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: 11/20/2012	<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 11/16/2012. On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 30, 2012**

<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> 11/30/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 11/20/12 Time 10:30 am pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

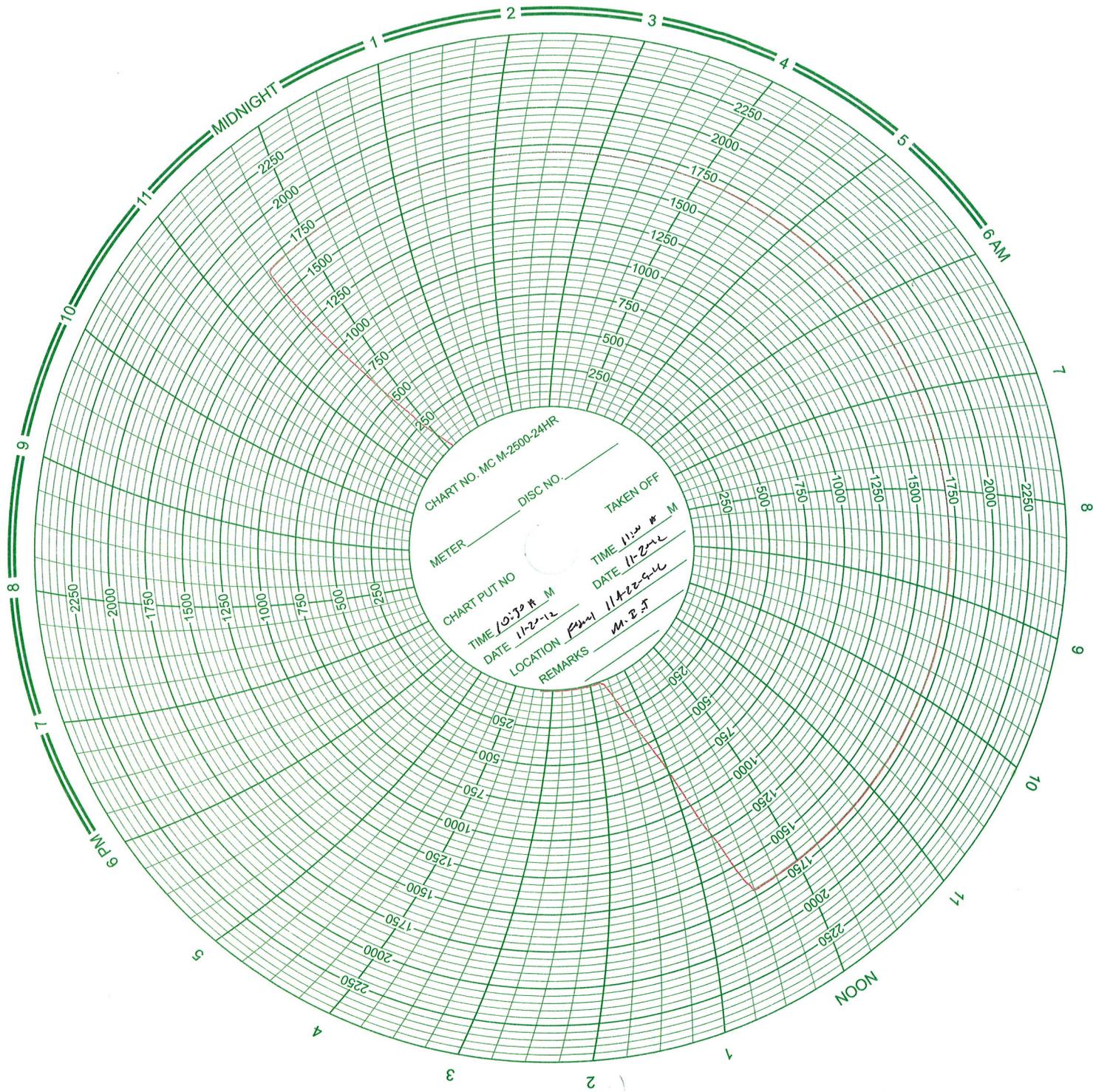
Well: <u>Federal 11A-22-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 11A-22-9-16</u>	API No: <u>4301333149</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1700</u>	psig
5	<u>1700</u>	psig
10	<u>1700</u>	psig
15	<u>1700</u>	psig
20	<u>1700</u>	psig
25	<u>1700</u>	psig
30 min	<u>1700</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result: Pass Fail

Signature of Witness: Chris Jensen  
Signature of Person Conducting Test: Riley Bagley



## Daily Activity Report

Format For Sundry

**FEDERAL 11A-22-9-16**

**9/1/2012 To 1/30/2013**

**11/15/2012 Day: 1**

**Conversion**

WWS#7 on 11/15/2012 - MIRUSU LD rods - MIRUSU, pump 60bbbls down casing. RDPU, unseat pump, flush rods w/30bbbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbbls. Cont LD 52 slk 3/4. SWI. - MIRUSU, pump 60bbbls down casing. RDPU, unseat pump, flush rods w/30bbbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbbls. Cont LD 52 slk 3/4. SWI. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - MIRUSU, pump 60bbbls down casing. RDPU, unseat pump, flush rods w/30bbbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbbls. Cont LD 52 slk 3/4. SWI. - MIRUSU, pump 60bbbls down casing. RDPU, unseat pump, flush rods w/30bbbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbbls. Cont LD 52 slk 3/4. SWI. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$12,107

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**11/19/2012 Day: 3**

**Conversion**

WWS#7 on 11/19/2012 - pressure test tbg, set pkr - pressure test tbg to 3,000psi, good test, mix pkr fluid w/15 bbls fresh. Pump down csg NDBOP set PKR @ 3885 for 16000# tension, SN @3879, XN @ 3894 EOT @ 3895, 45' above top perf. NU wellhead load tbg psi test csg to 1500 psi w/8bbbls. Lost pressure, back up to 1500 psi. Hold for 45 min-good test- rd rig. - pressure test tbg to 3,000psi, good test, mix pkr fluid w/15 bbls fresh. Pump down csg NDBOP set PKR @ 3885 for 16000# tension, SN @3879, XN @ 3894 EOT @ 3895, 45' above top perf. NU wellhead load tbg psi test csg to 1500 psi w/8bbbls. Lost pressure, back up to 1500 psi. Hold for 45 min-good test- rd rig.

## Summary Rig Activity

**Daily Cost:** \$0**Cumulative Cost:** \$23,234

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**11/26/2012 Day: 4****Conversion**

Rigless on 11/26/2012 - Conduct initial MIT - On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$112,068

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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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74392
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 11A-22-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013331490000
<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> 2007 FSL 1783 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW 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: 5/7/2013	<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 type="checkbox"/> OTHER	OTHER: <input type="text"/>

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 1:00 PM on  
05/07/2013.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
May 07, 2013**

<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> 5/7/2013	

UTC-396.10

Sundry Number: 37650 API Well Number: 43013331490000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 11A-22-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FSL 1783 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 22 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013331490000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FSL 1783 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 22 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FSL 1783 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 22 Township: 09.0S Range: 16.0E Meridian: S		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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/7/2013	<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	<input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
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 1:00 PM on 05/07/2013.		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/7/2013	

RECEIVED: May. 07, 2013

# Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' 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: 134 jnts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 124 jnts (3867.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3879.6' KB  
 ON/OFF TOOL AT: 3880.7'  
 ARROW #1 PACKER CE AT: 3885'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3889.5'  
 TBG PUP 2-3/8 J-55 AT: 3890'  
 X/N NIPPLE AT: 3894.1'  
 TOTAL STRING LENGTH: EOT @ 3895.5'

### FRAC JOB

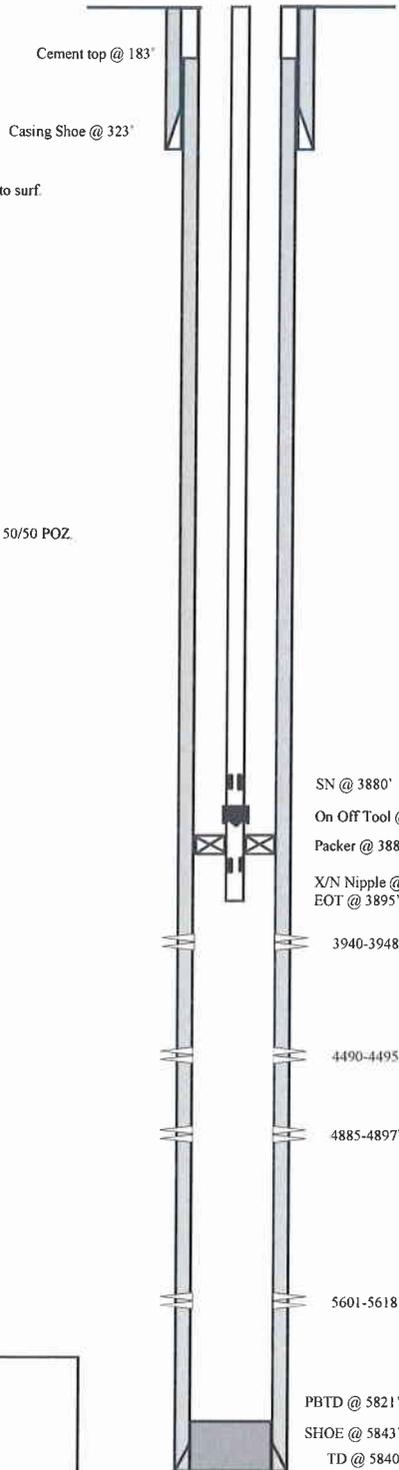
7-9-07 5601-5618' **Frac CP5 sands as follows:**  
 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.

7-11-07 4885-4897' **Frac A1 sands as follows:**  
 70631# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 4883.1 gal. Actual flush: 4410 gal.

7-13-07 4490-4495' **Frac D1 sands as follows:**  
 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8 BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.

7-13-07 3940-3948' **Frac GB4 sands as follows:**  
 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush: 3906 gal.

06/25/08 **Workover:** Rod & Tubing detail updated.  
 1/18/2010 **Tubing leak:** Updated rod and tubing detail.  
 11/16/12 **Convert to Injection Well**  
 11/20/12 **Conversion MIT Finalized** - update tbg detail



### PERFORATION RECORD

Date	Interval	ISIP	Rate	Holes
7-9-07	5601-5618'	4 JSPF	68 holes	
7-18-07	4885-4897'	4 JSPF	48 holes	
7-11-07	4490-4495'	4 JSPF	20 holes	
7-13-07	3940-3948'	4 JSPF	32 holes	

**NEWFIELD**

**Federal 11A-22-9-16**  
 2007' FSL & 1783' FWL  
 NE/SW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33149; 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-396

**Operator:** Newfield Production Company  
**Well:** Federal 11A-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33149  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 25, 2012.
2. Maximum Allowable Injection Pressure: 1,444 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,783' – 5,821')
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

12-11-2012  
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)
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2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013331490000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FSL 1783 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/20/2012  <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 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"/>

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 11/16/2012. On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
November 30, 2012**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/30/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 11/20/12 Time 10:30  am  pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

Well: <u>Federal 11A-22-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 11A-22-9-16</u>	API No: <u>4301333149</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1700</u>	psig
5	<u>1700</u>	psig
10	<u>1700</u>	psig
15	<u>1700</u>	psig
20	<u>1700</u>	psig
25	<u>1700</u>	psig
30 min	<u>1700</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result:  Pass  Fail

Signature of Witness: [Signature]  
Signature of Person Conducting Test: [Signature]



## Summary Rig Activity

**Daily Activity Report**

Format For Sundry

**FEDERAL 11A-22-9-16****9/1/2012 To 1/30/2013****11/15/2012 Day: 1****Conversion**

WWS#7 on 11/15/2012 - MIRUSU LD rods - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$12,107**11/19/2012 Day: 3****Conversion**

WWS#7 on 11/19/2012 - pressure test tbg, set pkr - pressure test tbg to 3,000psi, good test, mix pkr fluid w/15 bbls fresh. Pump down csg NDBOP set PKR @ 3885 for 16000# tension, SN @3879, XN @ 3894 EOT @ 3895, 45' above top perf. NU wellhead load tbg psi test csg to 1500 psi w/8bbls. Lost pressure, back up to 1500 psi. Hold for 45 min-good test- rd rig. - pressure test tbg to 3,000psi, good test, mix pkr fluid w/15 bbls fresh. Pump down csg NDBOP set PKR @ 3885 for 16000# tension, SN @3879, XN @ 3894 EOT @ 3895, 45' above top perf. NU wellhead load tbg psi test csg to 1500 psi w/8bbls. Lost pressure, back up to 1500 psi. Hold for 45 min-good test- rd rig.

**Daily Cost:** \$0

**Cumulative Cost:** \$23,234

**11/26/2012 Day: 4**

**Conversion**

Rigless on 11/26/2012 - Conduct initial MIT - On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$112,068

**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

July 25, 2012

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

Subject: Greater Monument Butte Unit Well: Federal 11A-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33149

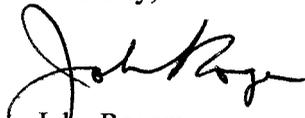
Gentlemen:

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 3,783 feet in the Federal 11A-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,

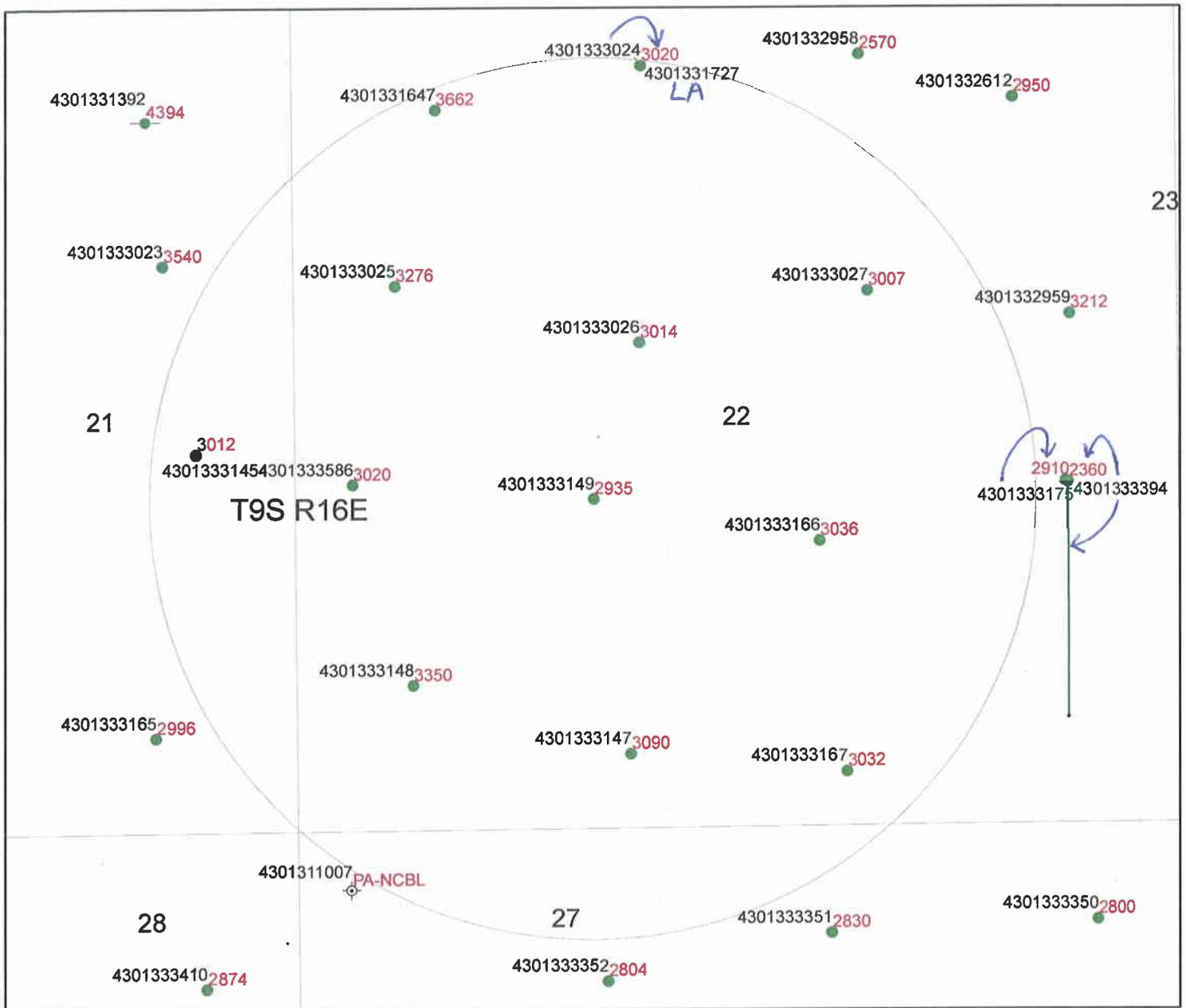
  
John Rogers  
Associate Director

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 11A-22-9-16  
 API #43-013-33149  
 UIC 396.10

### Legend

- |  |   |
|--|---|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_143 | 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   | WW                                      |
| LOC  | WSW                                     |
| OPS  | SGID93.BOUNDARIES.Counties              |
| PA   | • SGID93.ENERGY.DNROilGasWells_HDBottom |
|  | — SGID93.ENERGY.DNROilGasWells_HDPath   |
|  | • Wells-CbltopsMaster07_06_12           |



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 11A-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-33149

**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 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,843 feet. A cement bond log demonstrates adequate bond in this well up to about 2,935 feet. A 2 7/8 inch tubing with a packer will be set at 3,890 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 12 producing wells in the AOR. All of the 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 2700 feet. Injection shall be limited to the interval between 3,783 feet and 5,821 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 11A-22-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,444 psig. The requested maximum pressure is 1,444 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 11A-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 7/19/2012

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



Invoice Number	32048	Invoice Date	6/26/2012
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Advertiser No.	2080	Invoice Amount	\$157.05	Due Date	7/26/2012
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**RECEIVED**

**JUL 09 2012**

DIV. OF OIL, GAS & MINING

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. 32048	6/26/2012
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
6/26/2012	16066 UBS	UBS Legal Notice: Notice of Agcy Actn: Cause No. UIC-396 Pub. June 26, 2012				\$157.05
					<b>Sub Total:</b>	<b>\$157.05</b>
					<b>Total Transactions: 1</b>	<b>Total: \$157.05</b>

**SUMMARY**      Advertiser No.    2080                      Invoice No.            32048

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 26 day of June, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of June, 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.

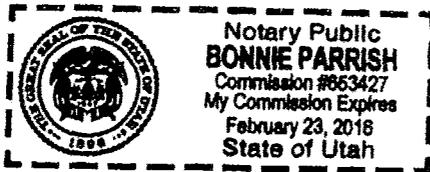
Kevin Ashby  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me on this

5 day of July, 2012

by Kevin Ashby

Bonnie Parrish  
\_\_\_\_\_  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-396

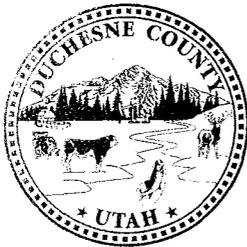
BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 11, 12, 13, 16, 17, 18, 21, 22, 24, 27, AND 29, TOWNSHIP 6 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 New-field Production Company, 11 Suite 100, Colorado Springs, Colorado 80902, phone (303) 591-1111. The ENGINEER is Horrocks Engineers, which will be funded for each set, none of the payment of \$50,000 level, UT 84066, upon South 300 East, Rooms-Office located at 157 Gr Butte Engineers Roosevelt 84062 or Horrocks Pleasant Grove, UT Parkway Suite #400, at 2162 West Grove, Engineers located office of Horrocks June 19, 2012, at the well on Tuesday, NWMENTS may be ob- CONTRACT DOCU- Copies of the Ran EVBLT, UTAH 84066 OFFICE), 157 SOUTH HORROCKS EN- GROVE, UTAH 84062 #400, PLEASANT PARKWAY SUITE WEST GROVE ES GINERS, 2162 HORROCKS EN- 2012: on Tuesday, June 19, the following locations may be examined at 13 ings, and Addenda, Specifications, Draw- of Non-Collusion, Affidavit, Certificate Verification System Supplemental Gen- 6 General Conditions, ceed, Change Order, Award, Notice to Pro- 1 mance Bond, Notice of Payment Bond, Performer for Bidders, Bid, ment for Bids, Informa- sisting of Advertis- 1 DOCUMENTS, con- 3 The CONTRACT 1 to Proceed, 1 endardays from Notice 1 pleted within 180 cal- Project is to be com- scape restoration, etc. asphalt repair, land- 4,900 square yards of repair, approximately repair, gravel shoulder include gravel driveway The project will also in- and 74-8" Gate Valves, 43-10" Gate Valves, 5-12" Gate Valves, services, 35 hydrants; mately 166 residential also includes approxi- locations. The project berry River crossing tations at 2 Straw-



*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

June 26, 2012

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RECEIVED

JUN 27 2012

DIV. OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Causes No UIC-395 & 396)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert 30 wells, located in Sections 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29 and 30, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

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

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-396

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 11, 12, 13, 16, 17, 18, 21, 22, 24, 27, AND 29, 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:

Federal 15-9-9-16 well located in SW/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33054  
Walton Federal 4 well located in SE/4 NW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15795  
C-O Govt 1 well located in NW/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15111  
Monument Federal 24-12J well located in SE/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-31409  
Federal 15-13-9-16 well located in SW/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32648  
State 1-16-9-16 well located in NE/4 NE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-33845  
Federal 11-17-9-16 well located in NE/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33034  
Federal 15-18-9-16 well located in SW/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-33001  
Federal 5-21-9-16 well located in SW/4 NW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33020  
Federal 11A-22-9-16 well located in NE/4 SW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33149  
Federal 1-24-9-16 well located in NE/4 NE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33082  
Federal 1-27-9-16 well located in NE/4 NE/4, Section 27, Township 9 South, Range 16 East  
API 43-013-33350  
Federal 3-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33425

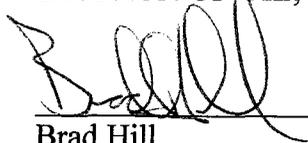
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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 21<sup>st</sup> day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Brad Hill", is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 15-9-9-16, WALTON FEDERAL 4, C-O GOVT 1, MONUMENT FEDERAL 24-12J,  
FEDERAL 15-13-9-16, STATE 1-16-9-16, FEDERAL 11-17-9-16, FEDERAL 15-18-9-16,  
FEDERAL 5-21-9-16, FEDERAL 11A-22-9-16, FEDERAL 1-24-9-16, FEDERAL 1-27-9-16,  
FEDERAL 3-29-9-16**

**Cause No. UIC-396**

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 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

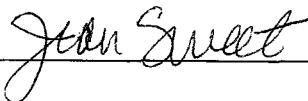
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

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 South 500 East  
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*

June 21, 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-396

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-396**

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 6/22/2012 8:05 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-396

On 6/21/2012 5:41 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)

Received. Thank you. It will run June 26.  
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*

June 21, 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-396

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:** 6/22/2012 9:04 AM  
**Subject:** Legal Notice - UIC 396  
**Attachments:** OrderConf.pdf

AD# 802908  
Run Trib/DNews - 6/26  
Cost \$393.08  
Thank you  
Mark

### Order Confirmation for Ad #0000802908-01

<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>	9001402352	<b>Payor Account</b>	9001402352
<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	mfultz

<b>Total Amount</b>	<b>\$393.08</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$393.08</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	UIC 396	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 77 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>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<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>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	06/26/2012	

### Order Confirmation for Ad #0000802908-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000802908-01

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-396

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 11, 12, 13, 16, 17, 18, 21, 22, 24, 27, AND 29, 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 injector wells:

Greater Monument Butte Units

Federal 15-9-9-16 well located in SW/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33054  
Walter Federal 4 well located in SE/4 NW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15795  
C-O Govt 1 well located in NW/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15111  
Monument Federal 24-12J well located in SE/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-31409  
Federal 15-13-9-16 well located in SW/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32648  
State 1-16-9-16 well located in NE/4 NE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-33845  
Federal 11-17-9-16 well located in NE/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33034  
Federal 15-18-9-16 well located in SW/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-33001  
Federal 5-21-9-16 well located in SW/4 NW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33020  
Federal 11A-22-9-16 well located in NE/4 SW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33149  
Federal 1-24-9-16 well located in NE/4 NE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33082  
Federal 1-27-9-16 well located in NE/4 NE/4, Section 27, Township 9 South, Range 16 East  
API 43-013-33350  
Federal 3-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33425

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

Selected zones in the Greer 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 21st day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
802908

UPAXLP



June 14, 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 #11A-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 #11A-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", written over a horizontal line.

Eric Sundberg  
Regulatory Lead

RECEIVED  
JUN 18 2012  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #11A-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**JUNE 14, 2012**

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# Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

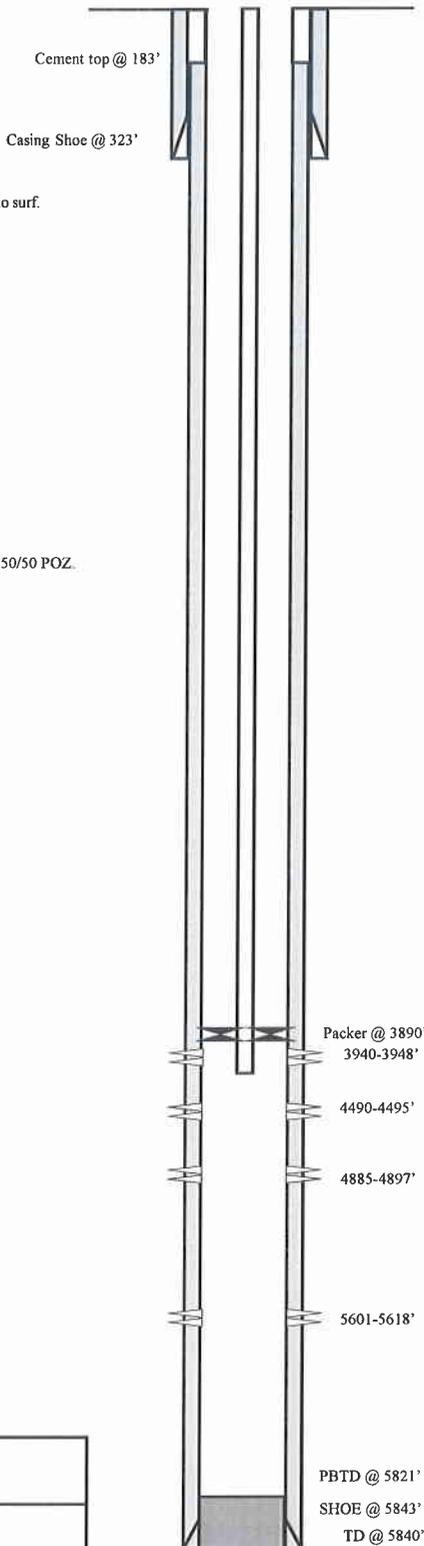
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jnts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jnts (5538.8')  
 TUBING ANCHOR: 5538.8' KB  
 NO. OF JOINTS: 2 jnts (63.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5604.8' KB  
 NO. OF JOINTS: 2 jnts (60.4')  
 TOTAL STRJNG LENGTH: BOT @ 5667' KB

### FRAC JOB

7-9-07	5601-5618'	<b>Frac CP5 sands as follows:</b> 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.
7-11-07	4885-4897'	<b>Frac A1 sands as follows:</b> 7063 1# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 4883 gal. Actual flush: 4410 gal.
7-13-07	4490-4495'	<b>Frac D1 sands as follows:</b> 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.
7-13-07	3940-3948'	<b>Frac GB4 sands as follows:</b> 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush. 3906 gal.
06/25/08		Workover. Rod & Tubing detail updated.
1/18/2010		Tubing leak. Updated rod and tubing detail.



### PERFORATION RECORD

7-9-07	5601-5618'	4 JSFP	68 holes
7-18-07	4885-4897'	4 JSFP	48 holes
7-11-07	4490-4495'	4 JSFP	20 holes
7-13-07	3940-3948'	4 JSFP	32 holes

**NEWFIELD**

---

**Federal 11A-22-9-16**  
 2007' FSL & 1783' FWL  
 NE/SW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33149; 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 #11A-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 #11A-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3783' - 5821'). 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 5840'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #11A-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 323' KB, and 5-1/2", 15.5# casing run from surface to 5843' 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 1444 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 #11A-22-9-16, for existing perforations (3940' - 5618') calculates at 0.81 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 1444 psig. We may add additional perforations between 3462' and 5840'. 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 #11A-22-9-16, the proposed injection zone (3783' - 5821') 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.

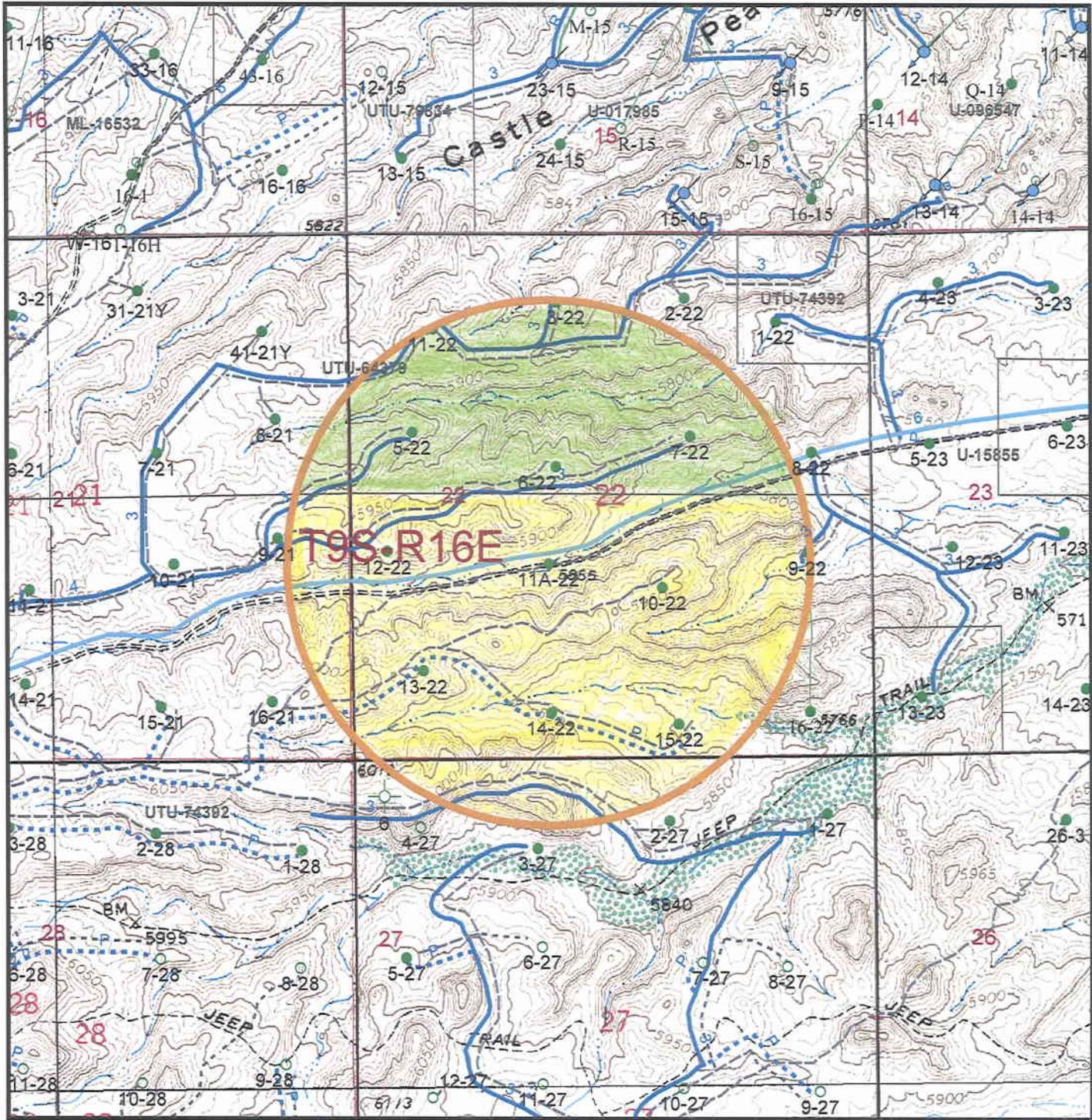
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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



**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
- Countyline

**Injection system**

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

**Leases**

- Leases
- Mining tracts

UTU-74392

UTU-64379

Federal 11A-22  
Section 27, T9S-R16E

**NEWFIELD**

ROCKY MOUNTAINS 1 in = 1,500 feet

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

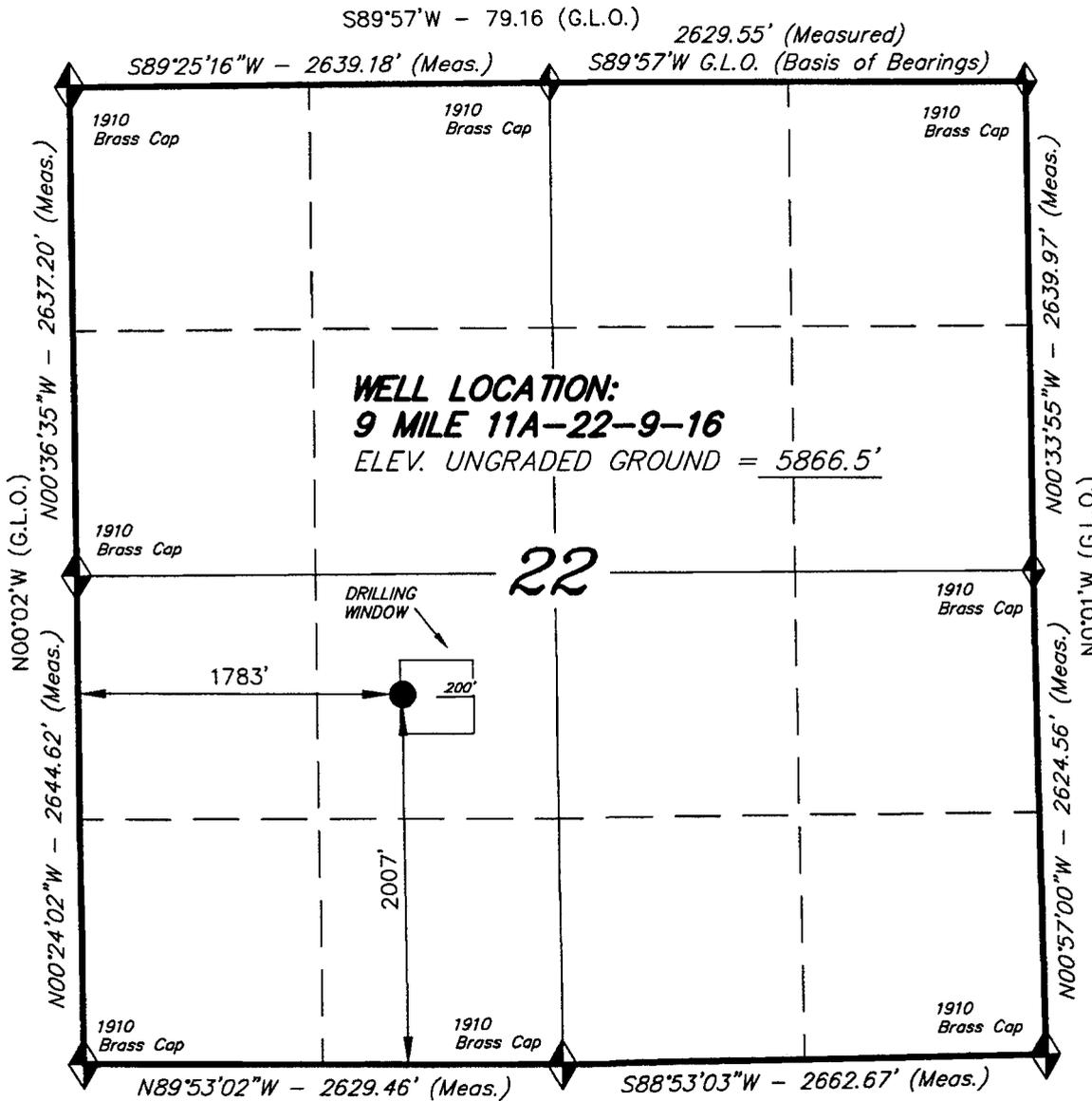
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

May 2, 2012

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

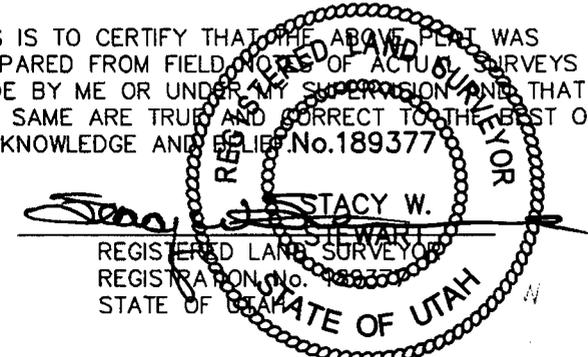
**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, 9 MILE 11A-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**9 MILE 11A-22-9-16**  
 ELEV. UNGRADED GROUND = 5866.5'

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



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

**9 MILE 11A-22-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 00' 52.44"  
 LONGITUDE = 110° 06' 30.40"

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

DATE SURVEYED: 03-29-06	SURVEYED BY: C.M.
DATE DRAWN: 03-31-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**EXHIBIT B**

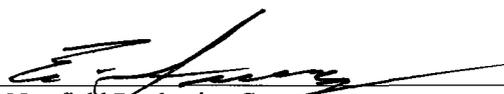
#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: ALL Section 28: ALL	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc OXY Y-1 Company Yates Petroleum Coporation	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #11A-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 14<sup>th</sup> day of June, 2012.

Notary Public in and for the State of Colorado: Candice L. Twitty

My Commission Expires

My Commission Expires: 02/10/2013



## Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

Initial Production: BOPD,  
 MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' 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: 134 jts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'

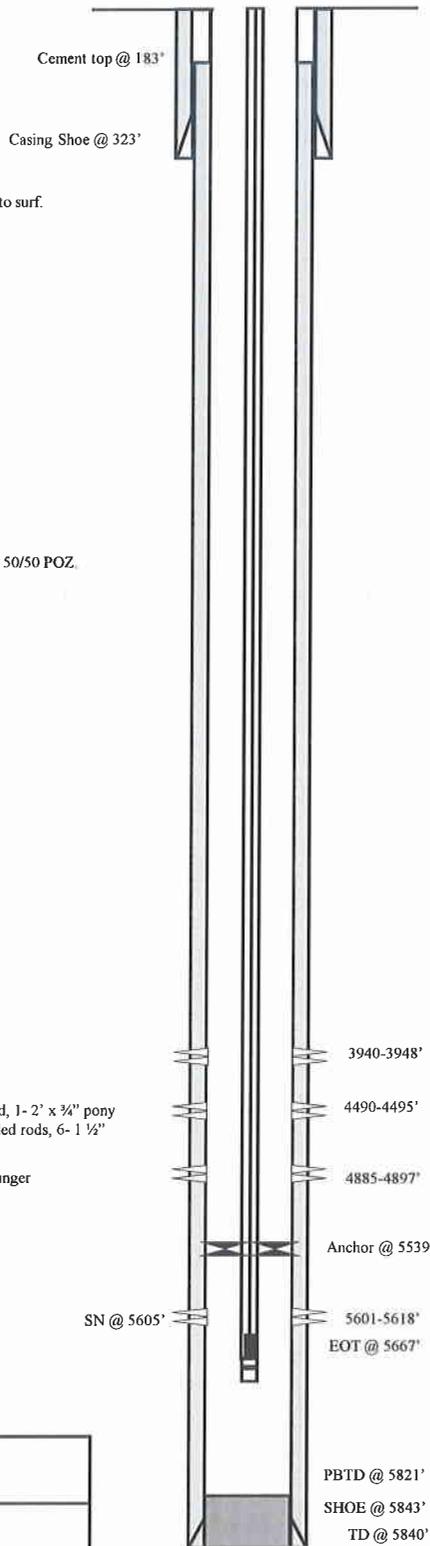
### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jts (5538.8')  
 TUBING ANCHOR: 5538.8' KB  
 NO. OF JOINTS: 2 jts (63.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5604.8' KB  
 NO. OF JOINTS: 2 jts (60.4')  
 TOTAL STRING LENGTH: EOT @ 5667' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1- 8' x 3/4" pony rod, 1- 4' x 3/4" pony rod, 1- 2' x 3/4" pony rod, 100- 3/4" guided rods, 52- 3/4" guided rods, 66- 3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC w/SM plunger  
 STROKE LENGTH: 120  
 PUMP SPEED, SPM: 5

Wellbore Diagram



### FRAC JOB

7-9-07	5601-5618'	<b>Frac CP5 sands as follows:</b> 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.
7-11-07	4885-4897'	<b>Frac A1 sands as follows:</b> 70631# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 48831 gal. Actual flush: 4410 gal.
7-13-07	4490-4495'	<b>Frac D1 sands as follows:</b> 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8 BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.
7-13-07	3940-3948'	<b>Frac GB4 sands as follows:</b> 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush: 3906 gal.
06/25/08		Workover. Rod & Tubing detail updated.
1/18/2010		Tubing leak. Updated rod and tubing detail.

### PERFORATION RECORD

7-9-07	5601-5618'	4 JSPF	68 holes
7-18-07	4885-4897'	4 JSPF	48 holes
7-11-07	4490-4495'	4 JSPF	20 holes
7-13-07	3940-3948'	4 JSPF	32 holes

**NEWFIELD**

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**Federal 11A-22-9-16**

2007' FSL & 1783' FWL  
 NE/SW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33149; Lease #UTU-74392

## Federal 5-22-9-16

Spud Date: 3-18-08  
 Put on Production 5-9-08  
 GL: 5918' KB: 5930'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (307 89')  
 DEPTH LANDED: 317 89'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbls to surf'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5922 15')  
 DEPTH LANDED: 5920 15'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 114' per CBL 4/29/08

### TUBING (GI 10/6/09)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts (5256 2')  
 TUBING ANCHOR: 5268 2'  
 NO. OF JOINTS: 2 jts (62 1')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5331 1' KB  
 NO. OF JOINTS: 2 jts (62 8')  
 NOTCHED COLLAR: 2-7/8" (0 5')  
 TOTAL STRING LENGTH: EOT @ 5397'

### SUCKER RODS (GI 10/6/09)

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 2', 6', 6' x 3/4" pony rods, 99 x 3/4" guided rods, 59 x 3/4" guided rods, 48 x 3/4" guided rods, 6 x 1-1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" x 15" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: SPM 6  
 PUMPING UNIT: WEATHERFORD C-228-213-86

### FRAC JOB

05-06-08 5307-5313' RU BJ & frac LODOC sds as follows:  
 99,254# 20/40 sand in 750 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2444 w/ ave rate of 28.6 bpm w/ 8 ppg of sand. ISIP was 2669. Actual Flush: 4746 gal

05-06-08 4916-4923' RU BJ & frac stage #2 as follows:  
 19,006# 20/40 sand in 304 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2172 w/ ave rate of 23.4 bpm w/ 6.5 ppg of sand. ISIP was 2395. Actual Flush: 4452 gal

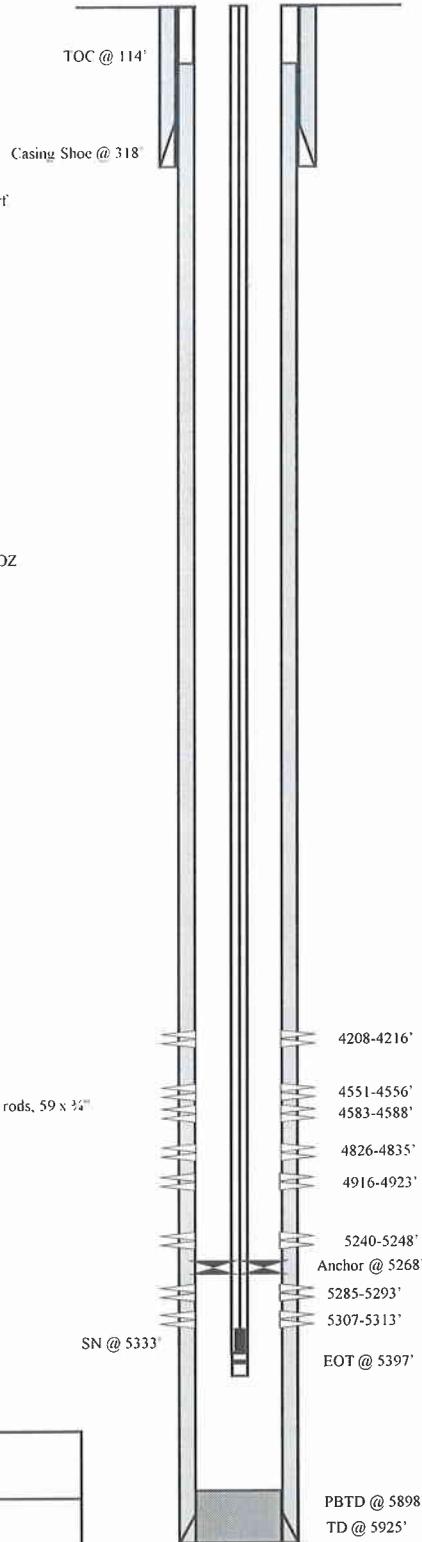
05-06-08 4826-4835' RU BJ & frac stage #3 as follows:  
 29,485# 20/40 sand in 377 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1724 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 1676. Actual Flush: 4326 gal

05-06-08 4551-4556' RU BJ & frac stage #4 as follows:  
 19,618# 20/40 sand in 297 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1788 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 1868. Actual Flush: 4074 gal

05-06-08 4208-4216' RU BJ & frac stage #5 as follows:  
 24,768# 20/40 sand in 330 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2518 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 2984. Actual Flush: 4116 gal

10/7/09

Tubing Leak. Updated rod & tubing details.



### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
04-24-08	5307-5313'	4 JSPF	24 holes
04-30-08	5285-5293'	4 JSPF	32 holes
04-30-08	5240-5248'	4 JSPF	32 holes
04-30-08	4916-4923'	4 JSPF	28 holes
04-30-08	4826-4835'	4 JSPF	36 holes
04-30-08	4583-4588'	4 JSPF	20 holes
04-30-08	4551-4556'	4 JSPF	20 holes
04-30-08	4208-4216'	4 JSPF	32 holes



**Federal 5-22-9-16**  
 1989' FNL & 613' FWL  
 SW/NW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33025; Lease # UTU-64379

# Federal 12-22-9-16

Spud Date: 4/28/2009  
 Put on Production: 7/22/2009  
 GL: 5966' KB: 5978'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (275')  
 HOLE SIZE: 12-1/4"  
 DEPTH LANDED: 326' KB  
 CEMENT DATA 160 sx class 'G' cmt

### PRODUCTION CASING

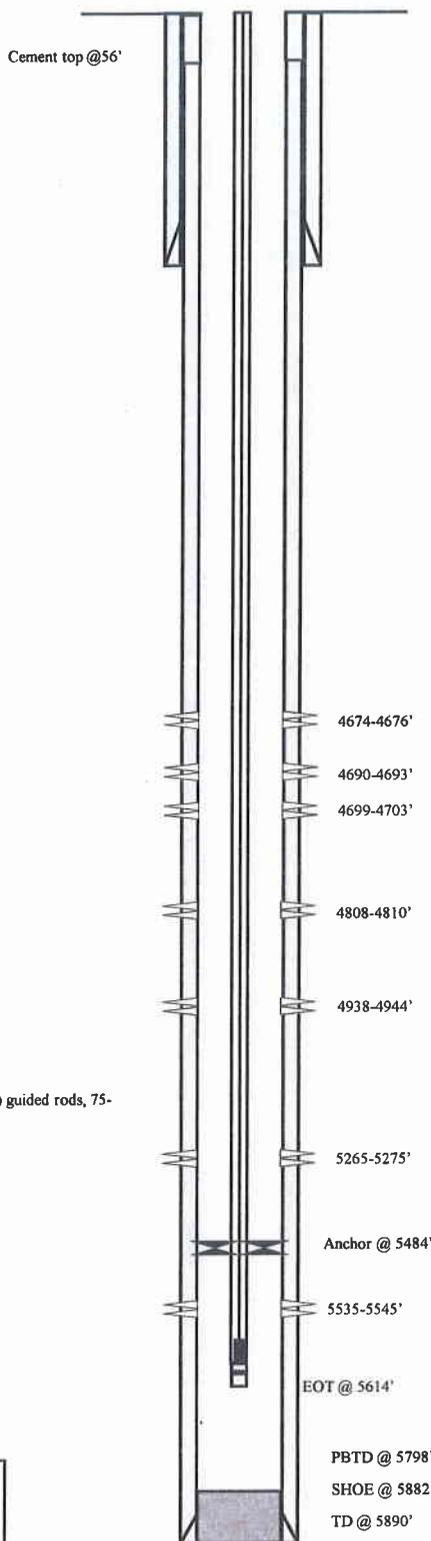
CSG SIZE 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts (5828')  
 HOLE SIZE 7 7/8"  
 DEPTH LANDED 5881 89'  
 CEMENT DATA 275 sx Prem Lite and 401 sx 50/50 poz  
 CEMENT TOP AT: 56'

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55  
 NO OF JOINTS: 174jts (5389')  
 TUBING ANCHOR: 5484' KB  
 NO OF JOINTS 2 jts (62.9')  
 SEATING NIPPLE: 2-7/8" (1 1')  
 SN LANDED AT: 5549' KB  
 NO OF JOINTS: 2 jts (63 1')  
 TOTAL STRING LENGTH EOT @ 5614'

### SUCKER RODS

POLISHED ROD 1 1/2" X 26' polished rod  
 SUCKER RODS 1-4', 6', 8' x 3/4" pony rod, 100- 1/4" (4 per) guided rods, 75- 1/4" sucker rods, 40- 3/4" guided rods, 6-1 1/2" sinker bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 19 1/2' RHAC pump  
 STROKE LENGTH: ?"  
 PUMP SPEED, SPM ?



### FRAC JOB

7-23-09 5535-5545' Frac CP3 sands as follows:  
 Frac with 34,344# 20/40 sand in 249 bbls of Lightning 17 fluid

7-23-09 5265-5275' Frac LODC sands as follows:  
 Frac with 65,879# 20/40 sand in 147 bbls of Lightning 17 fluid

7-23-09 4808-4944' Frac A3 & B2 sands as follows:  
 Frac with 34,625# 20/40 sand in 285 bbls of Lightning 17 fluid

7-23-09 4674-4703' Frac C sands as follows:  
 Frac with 34344# 20/40 sand in 249 bbls of Lightning 17 fluid

03/16/2011 Tubing Leak Rod & tubing deetail updated

### PERFORATION RECORD

5535-5545'	3 JSPF	30 holes
5265-5275'	3 JSPF	30 holes
4938-4944'	3 JSPF	18 holes
4808-4810'	3 JSPF	6 holes
4699-4703'	3 JSPF	12 holes
4690-4693'	3 JSPF	9 holes
4674-4676'	3 JSPF	6 holes

**NEWFIELD**

**Federal 12-22-9-16**

2113' FSL & 349' FWL NW/SW  
 Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33586; Lease # UTU-74392

## Federal 13-22-9-16

Spud Date: 5-9-2007  
Put on Production: 6-25-2007

GL: 5994' KB: 6006'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (302.02')  
DEPTH LANDED: 313.87' 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: 134 jts (5879.22')  
DEPTH LANDED: 5892.47' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP AT: 60'

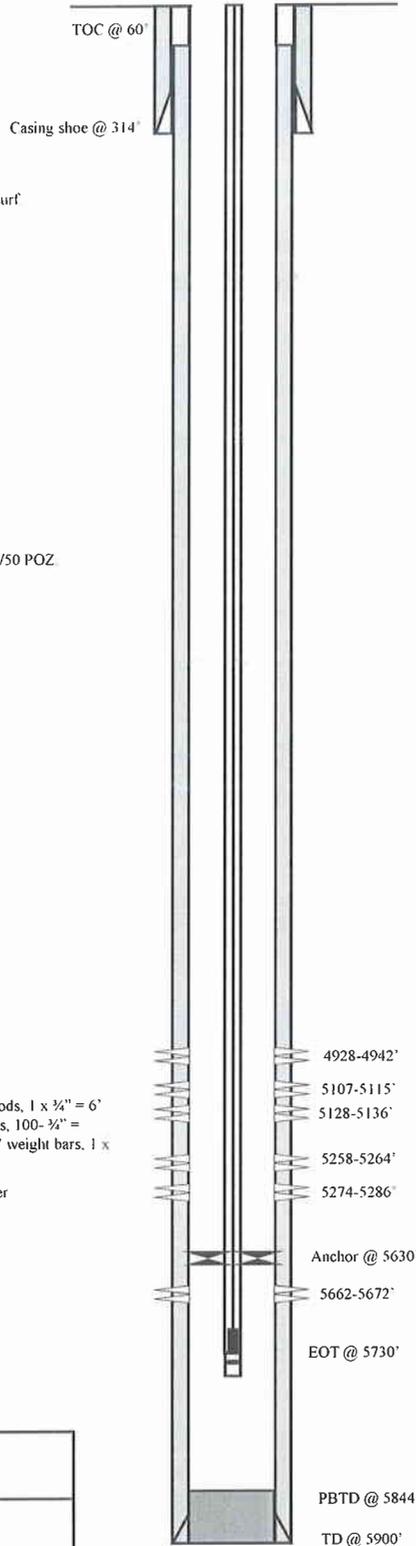
### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 179 jts (5630.4')  
TUBING ANCHOR: 5630.4' KB  
NO OF JOINTS: 1 jts (31.60')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5664.8' KB  
NO OF JOINTS: 2 jts (63.3')  
TOTAL STRING LENGTH: EOT @ 5730'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1 x 3/4" = 2' pony rods, 1 x 3/4" = 4' pony rods, 1 x 3/4" = 6' pony rods, 1 x 1/2" = 8' pony rods, 99-3/4" = 2475' guided rods, 100-3/4" = 2500' sucker rods, 20-3/4" = 500' guided rods, 6-1 1/2" = 150' weight bars, 1 x 1" = 4' stabilizer rod  
PUMP SIZE: 2-1/2" x 1-1/4" x 12 x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

### Wellbore Diagram



Initial Production: BOPD  
MCFD, BWPD

### FRAC JOB

06-19-07	5662-5672'	<b>Frac CP5 sands as follows:</b> 41156# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 21.8 BPM. ISIP 2175 psi. Calc flush: 5660 gal. Actual flush: 5158 gal.
06-19-07	5258-5286'	<b>Frac LODC sands as follows:</b> 79611# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 2528 psi w/avg rate of 21.8 BPM. ISIP 2750 psi. Calc flush: 5256 gal. Actual flush: 4788 gal.
06-18-07	5107-5136'	<b>Frac LODC sands as follows:</b> 55106# 20/40 sand in 451 bbls Lightning 17 frac fluid. Treated @ avg press of 2838 psi w/avg rate of 24.7 BPM. ISIP 3235 psi. Calc flush: 5105 gal. Actual flush: 4620 gal.
06-19-07	4928-4942'	<b>Frac A1 sands as follows:</b> 59043# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1937 psi w/avg rate of 24.7 BPM. ISIP 2260 psi. Calc flush: 4926 gal. Actual flush: 4872 gal.
08/27/07	Pump Change	Rod & Tubing detail unchanged
5/29/08	Stuck pump	Rod & Tubing detail updated
1/31/09	Pump Change	Updated r & t detail
3/16/2011	Pump Change	Updated rod & tubing detail

### PERFORATION RECORD

06-18-07	5662-5672'	4 JSPF	40 holes
06-19-07	5274-5286'	4 JSPF	48 holes
06-19-07	5258-5264'	4 JSPF	24 holes
06-19-07	5128-5136'	4 JSPF	32 holes
06-19-07	5103-5110'	4 JSPF	32 holes
06-19-07	4928-4942'	4 JSPF	56 holes



**Federal 13-22-9-16**  
906' FSL & 702' FWL  
SW/SW Section 22-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-33148; Lease # UTU-74392

Spud Date: 4-25-07  
 Put on Production: 6-22-07  
 GL: 5894' KB 5906'

## Fed. #14-22-9-16

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (309.02')  
 DEPTH LANDED 320.87' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA To surface with 160 sx Class "G" cmt

#### PRODUCTION CASING

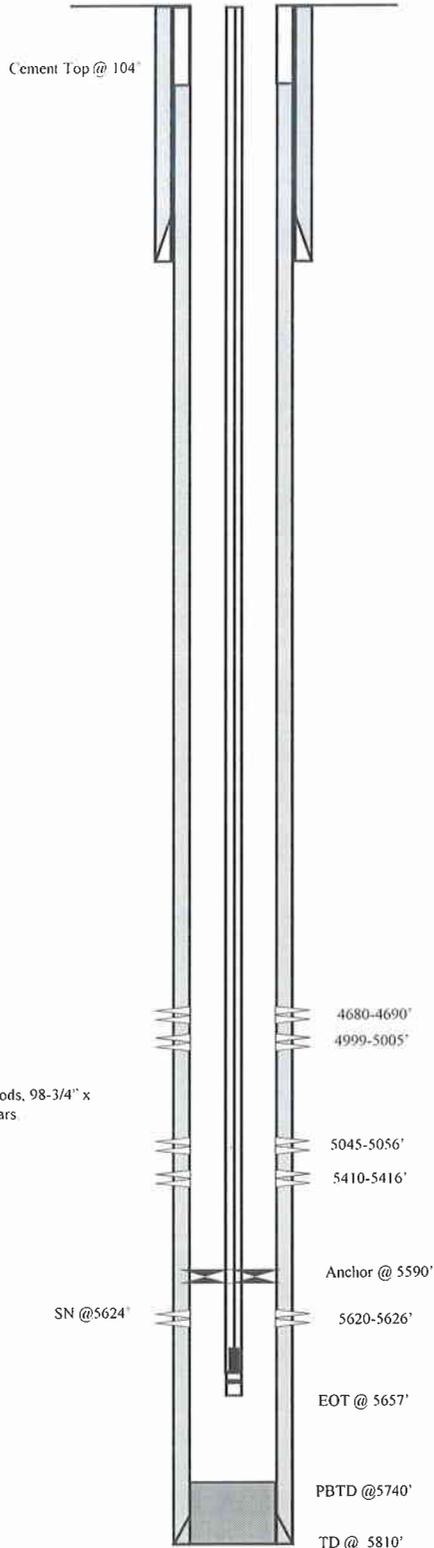
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 142 jts (6165.44')  
 DEPTH LANDED 5793.94' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sx Prem. Lite II & 400 sx 50/50 Poz.  
 CEMENT TOP 104'

#### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 179 jts (5577.57')  
 TUBING ANCHOR 5589.57' KB  
 NO OF JOINTS 1 jts (31.63')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 5624.00' KB  
 NO OF JOINTS 1 jts (31.57')  
 TOTAL STRING LENGTH EOT @ 5657.12' KB

#### SUCKER RODS

POLISHED ROD 1-1/2" x 26'  
 SUCKER RODS 3/4 x 4' Pony rod, 100-3/4 x 25' Scrapered Rods, 98-3/4" x 25' Slick Rods, 20-3/4" x 25' scrapered rods, 6-1/2 x 25' wt bars  
 PUMP SIZE 2 1/2" x 1 1/2" x 12x 15' RHAC  
 STROKE LENGTH 86"  
 PUMP SPEED 5 SPM



#### FRAC JOB

6/15/07 **5620-5626 RU BJ & frac CPS sds as follows:**  
 14,228#'s of 20/40 sand in 265 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2740 w/ ave rate of 27 bpm w/ 6.5 ppg of sand. ISIP was 2525. Actual flush 5166 gals.

6/15/07 **5410-5416 RU BJ & frac stage #2 as follows:**  
 19,400# 20/40 sand in 298 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2147 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2134. Actual flush 4914 gals.

6/15/07 **4999-5005 RU BJ & frac stage #3 as follows:**  
 55,118# 20/40 sand in 482 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2856 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2986. Actual flush 4536 gals.

6/15/07 **4680-4690 RU BJ & frac stage #4 as follows:**  
 61,337# 20/40 sand in 472 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1703 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 2056. Actual flush 4662 gals.

1/3/09

Pump Change. Updated rod & tubing details

#### PERFORATION RECORD

Date	Interval	JSPF	Holes
06/15/07	5620-5626'	4 JSPF	24 holes
06/15/07	5410-5416'	4 JSPF	112 holes
06/15/07	5045-5056'	4 JSPF	84 holes
06/15/07	4999-5005'	4 JSPF	20 holes
06/15/07	4680-4690'	4 JSPF	40 holes



Federal 14-22-9-16  
 477' FSL and 1988' FWL  
 SE/SW Sec. 22, T9S, 16E  
 Duchesne Co, Utah  
 API #43-013-33147; Lease #UTU-74392

## Federal 15-22-9-16

Spud Date: 4/17/2007  
 Put on Production: 6-18-2007  
 GL: 5846' KB: 5858'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.31')  
 DEPTH LANDED: 316.16' 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 (5764.96')  
 DEPTH LANDED: 5768.96' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface'

### TUBING

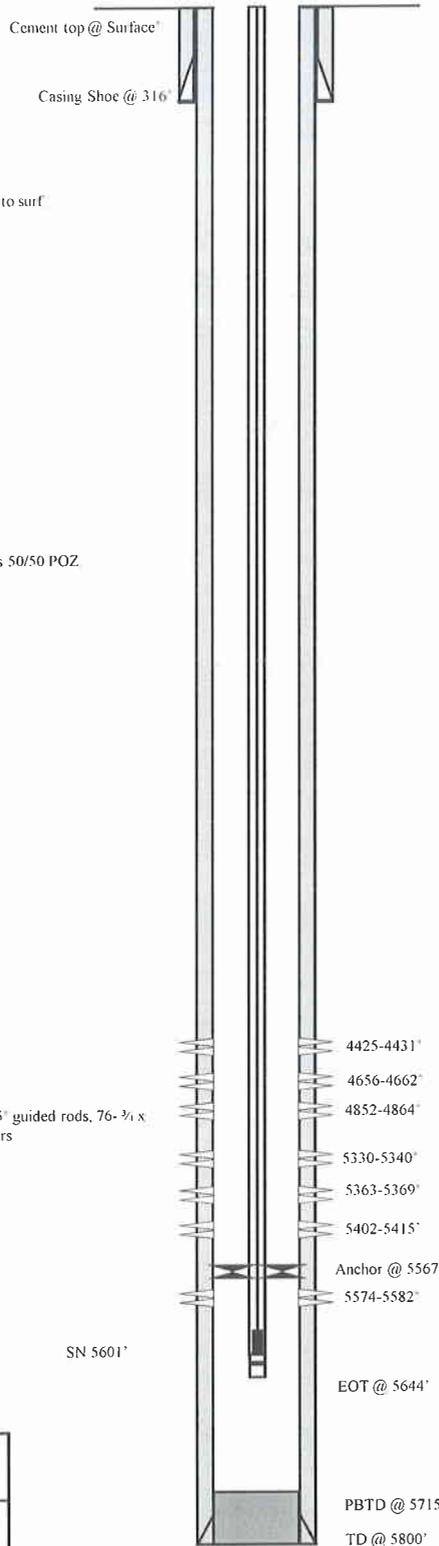
SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 181 jts (5532.55')  
 TUBING ANCHOR: 5567.15'  
 NO. OF JOINTS: 1 jts (32.45')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5600.70'  
 NO. OF JOINTS: 1 jt (29.21')  
 TOTAL STRING LENGTH: EOT @ 5643.65'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6", 1-2" x 3/4" pony rods, 101- 3/4 x 25' guided rods, 76- 3/4 x 25' slick rods, 40- 3/4 x 25' guided rods, 6- 1/2 x 25' wt bars  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20' x 15 1/2' RHAC  
 STROKE LENGTH: 100"  
 PUMP SPEED, SPM: 4.5 SPM

### FRAC JOB

06-11-07	5574-5582'	<b>Frac CP5 sands as follows:</b> 19614# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2433 psi w/avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5572 gal. Actual flush: 5124 gal.
06-11-07	5330-5415'	<b>Frac CP3, CP2, &amp; CP1 sands as follows:</b> 34912# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.8 BPM. ISIP 1976 psi. Calc flush: 4328 gal. Actual flush: 4872 gal.
06-11-07	4852-4864'	<b>Frac A1 sands as follows:</b> 19473# 20/40 sand in 287 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 24.8 BPM. ISIP 1860 psi. Calc flush: 4850 gal. Actual flush: 4410 gal.
06-11-07	4656-4662'	<b>Frac B1 sands as follows:</b> 14664# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 psi w/avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
06-11-07	4425-4431'	<b>Frac D1 sands as follows:</b> 22099# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2182 psi w/avg rate of 24.8 BPM. ISIP 1700 psi. Calc flush: 4423 gal. Actual flush: 3948 gal.
7/23/07		Pump change. Updated rod & tubing detail.
05/29/08		Pump change. Updated rod and tubing detail.
5/11/09		Tubing Leak. Updated r & t details.



### PERFORATION RECORD

06-07-07	5574-5582'	4 JSPF	32 holes
06-11-07	5402-5415'	4 JSPF	52 holes
06-11-07	5363-5369'	4 JSPF	24 holes
06-11-07	5330-5340'	4 JSPF	40 holes
06-11-07	4852-4864'	4 JSPF	48 holes
06-11-07	4656-4662'	4 JSPF	24 holes
06-11-07	4425-4431'	4 JSPF	24 holes



**Federal 15-22-9-16**  
 355' FSL & 1987' FEL  
 SW/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33167; Lease # UTU-74392

## FEDERAL 10-22-9-16

Spud Date: 04/26/07  
 Put on Production: 06/29/07  
 GL: 5955' KB: 5967'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310.97')  
 DEPTH LANDED: 322.82' 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: 133 jts (5904.01')  
 DEPTH LANDED: 5917.26' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP: 160'

### TUBING

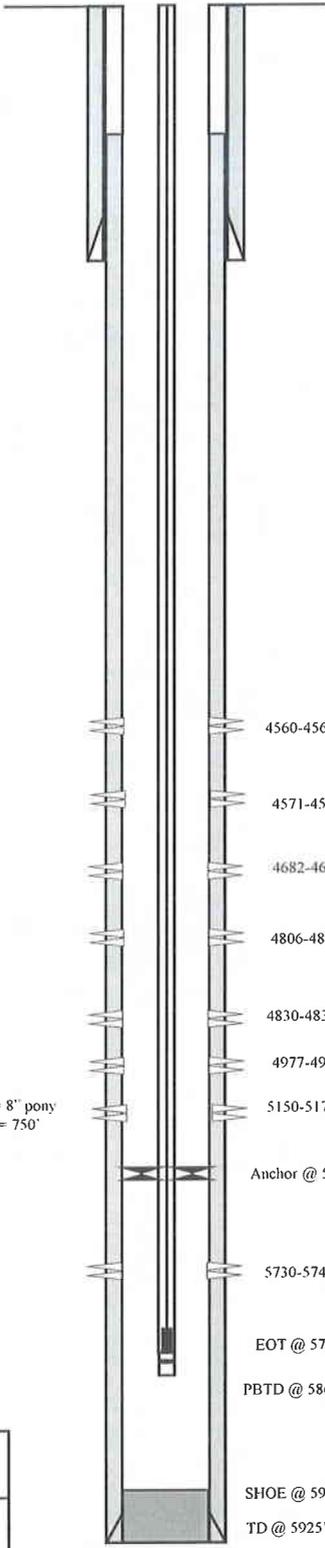
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 182 jts (5685.0')  
 TUBING ANCHOR: 5697.0' KB  
 NO OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5731.2' KB  
 NO OF JOINTS: 1 jts (31.7')  
 TOTAL STRING LENGTH: EOT @ 5764' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 2 x 3/4" - 8' pony rod, 1 x 1/2" = 6' pony rod, 1 x 3/4" = 8' pony rod, 98-3/4" = 2450' guided rods, 93-3/4" = 2325' sucker rods, 30-3/4" = 750' guided rods, 6-1 1/2" = 150' weight bars  
 PUMP SIZE: 2 1/2" x 1 1/4" x 12 x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5

### FRAC JOB

06/25/07	5730-5740'	<b>Frac CP5 sands as follows:</b> 40069# 20/40 sand in 408 bbls Lightning 17 frac fluid Treated @ avg press of 1945 psi w/avg rate of 24.7 BPM ISIP 2163 psi Calc flush: 5728 gal Actual flush: 5208 gal
06/26/07	5150-5178'	<b>Frac LODC sands as follows:</b> 126558# 20/40 sand in 899 bbls Lightning 17 frac fluid Treated @ avg press of 2216 psi w/avg rate of 24.7 BPM ISIP 2676 psi Calc flush: 5148 gal Actual flush: 4662 gal
06/26/07	4977-4998'	<b>Frac A1 sands as follows:</b> 94957# 20/40 sand in 708 bbls Lightning 17 frac fluid Treated @ avg press of 1623 psi w/avg rate of 24.7 BPM ISIP 1945 psi Calc flush: 4975 gal Actual flush: 4494 gal
06/26/07	4806-4835'	<b>Frac B2 &amp; B1 sands as follows:</b> 61885# 20/40 sand in 508 bbls Lightning 17 frac fluid Treated @ avg press of 1689 psi w/avg rate of 24.7 BPM ISIP 1825 psi Calc flush: 4804 gal Actual flush: 4326 gal
06/26/07	4682-4688'	<b>Frac D3 sands as follows:</b> 12609# 20/40 sand in 241 bbls Lightning 17 frac fluid Treated @ avg press of 2133 psi w/avg rate of 24.7 BPM ISIP 1776 psi Calc flush: 4680 gal Actual flush: 4221 gal
06/26/07	4560-4565'	<b>Frac D1 sands as follows:</b> 16073# 20/40 sand in 246 bbls Lightning 17 frac fluid Treated @ avg press of 1881 psi w/avg rate of 24.7 BPM ISIP 1857 psi Calc flush: 4558 gal Actual flush: 4494 gal



05/28/08 pump change Updated rod and tubing details  
 4560-4565' 6/21/2010 Parted rods Updated rod and tubing detail  
 6/23/2010 Parted rods Updated rod and tubing detail  
 3/15/11 Parted rods Updated rod and tubing detail

### PERFORATION RECORD

06/21/07	5730-5740'	4 JSPF	40 holes
06/25/07	5150-5178'	4 JSPF	112 holes
06/26/07	4977-4998'	4 JSPF	84 holes
06/26/07	4830-4835'	4 JSPF	20 holes
06/26/07	4806-4817'	4 JSPF	44 holes
06/26/07	4682-4688'	4 JSPF	24 holes
06/26/07	4571-4576'	4 JSPF	20 holes
06/26/07	4560-4565'	4 JSPF	20 holes



**FEDERAL 10-22-9-16**  
 1736'FSL & 2137' FEL  
 NW/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33166; Lease # UTU-74392

## Federal 9-22-9-16

Spud Date: 4-19-2007  
Put on Production: 6-08-2007

GL: 5803' KB: 5815'

### 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'

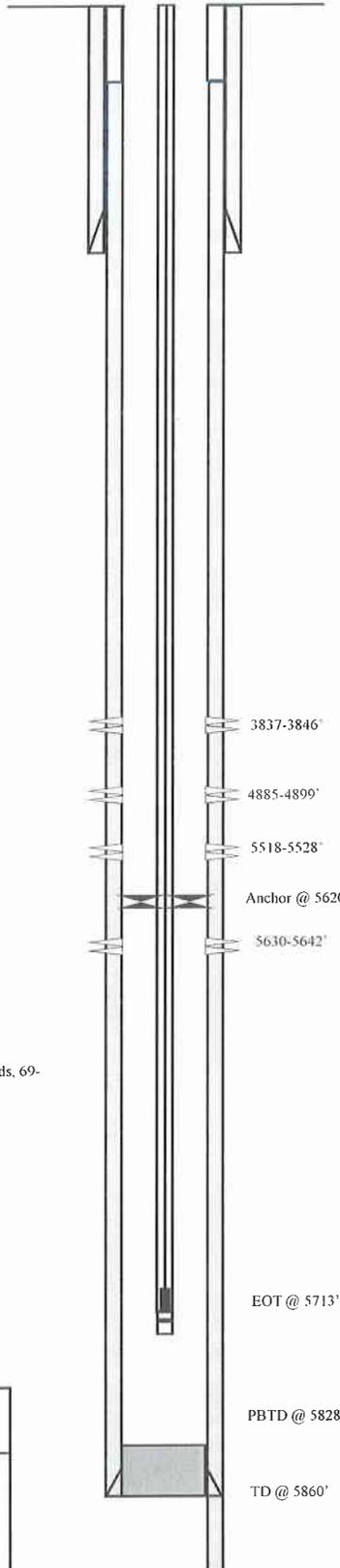
SUCKER RODS: 1-2", 4", 6" x 8" X 3/4" pony rods, 99-3/4" guided rods, 69-3/4" sucker rods, 50-3/4" guided rods, 6-1 1/2" sinker bars.

PUMP SIZE: 2-1/2" x 1-1/4" x 16" x 22" RHAC

STROKE LENGTH: 120"

PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,  
MCFD: BWPI

### FRAC JOB

Date	Job ID	Description
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

Date	Job ID	ISPF	Holes
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



**Federal 9-22-9-16**  
2079' FNL & 668' FEL  
NE/SE Section 22-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-33175; Lease # UTU-74392

## 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

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5933.60')  
 DEPTH LANDED: 5946.85' 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

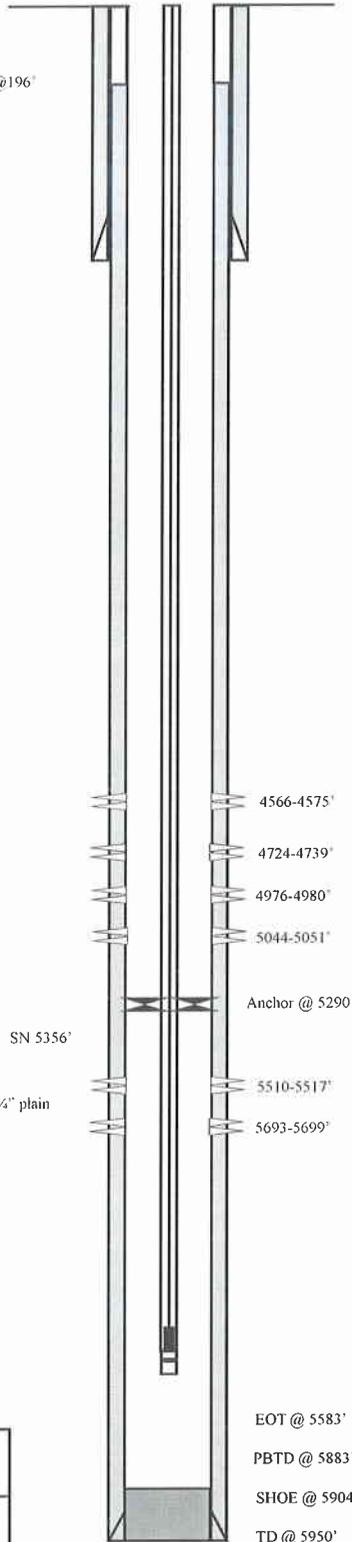
POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

### 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





**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 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

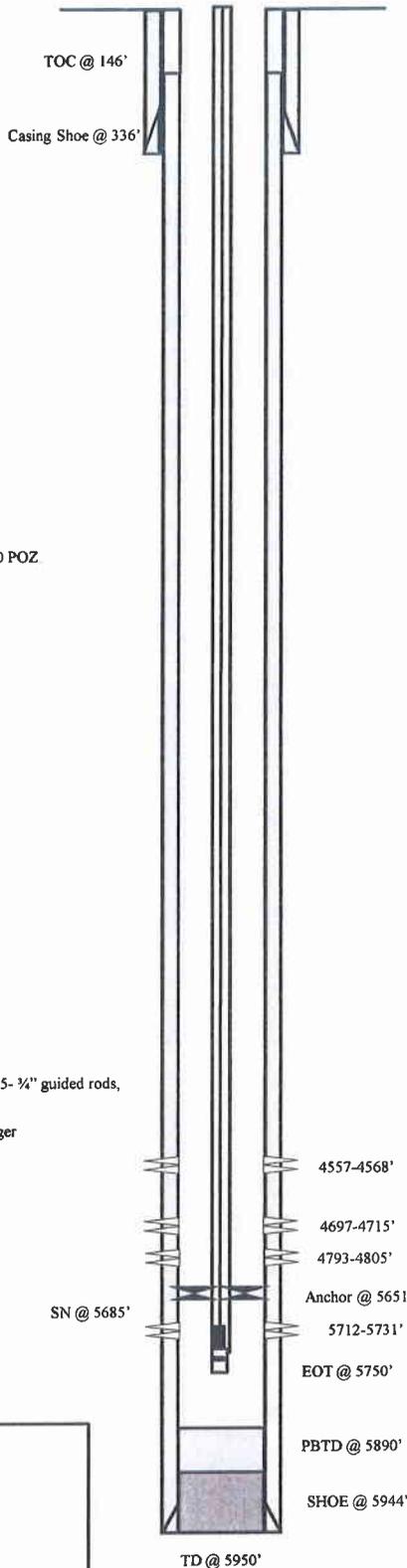
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5930 89')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5944'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 146'

### 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



**Federal 7-22-9-16**  
 2036' FNL & 1837' FEL  
 SWNE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33027; Lease #UTU-64379

# Monument Federal #11-22

Spud Date:  
 Put on Production:  
 GL: 5917' KB: 5927'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8 5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (248 10')  
 DEPTH LANDED 258 10' KB  
 HOLE SIZE 12 1/4"  
 CEMENT DATA 160sxs Class "G" mixed cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

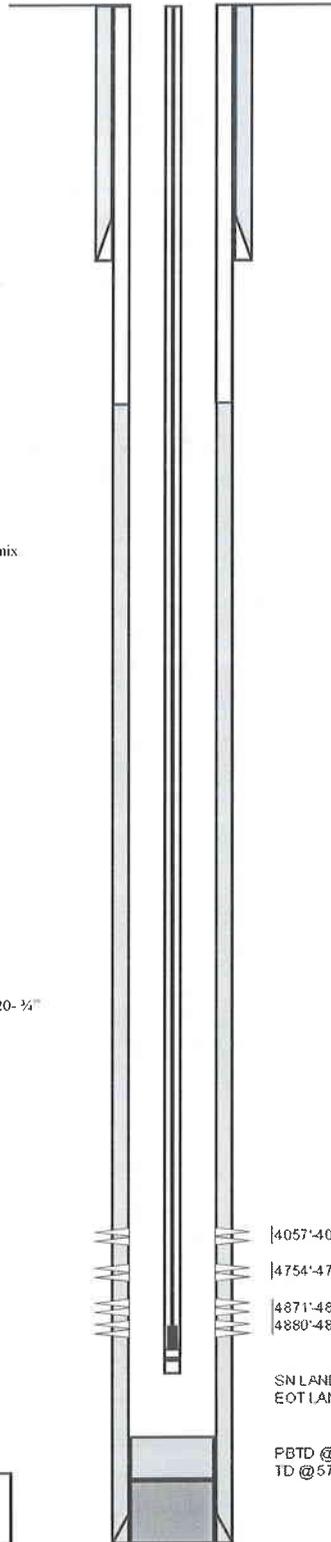
CSG SIZE 5 1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 145 jts (5648 71')  
 DEPTH LANDED 5658 71' KB  
 HOLE SIZE 7 7/8"  
 CEMENT DATA 325 sxs Prem Lite II mixed & 450 sxs 50/50 POZ mix  
 CEMENT TOP AT 474'

**TUBING**

SIZE/GRADE/WT 2 7/8" / J-55 / 6.5#  
 NO OF JOINTS 155 jts (4848 93')  
 NO OF JOINTS 2jts (62.78)  
 SEATING NIPPLE 2 7/8" (1.10')  
 SN LANDED AT 4858 93' KB  
 NO OF JOINTS 1jts (31.45)  
 TOTAL STRING LENGTH EOT @ 4957.51' w/ 12' KB

**SUCKER RODS**

POLISHED ROD 1-1/4" x 22' SM  
 SUCKER RODS 2-2", 1-4", 6", 8" X 3/4" pony rods, 170- 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 14 1/2" RHAC w/SM plunger  
 STROKE LENGTH 74"  
 PUMP SPEED, SPM 5 SPM



**ACID JOB /BREAKDOWN**

9/6/96 4754'-4761' BJ Services: 1428 gal 2% KCL  
 4871'-4878' water w/ 28 ball sealers. Balled  
 4880'-4884' off. ATP= 1900 psi, ATR= 3.0 bpm,  
 ISIP= 1400 psi.  
 9/6/96 4871'-4878' BJ Services: 1596 gal 2% KCL  
 4880'-4884' water w/ 44 ball sealers. Balled  
 off. ATP= 1600 psi, ATR= 3.0 bpm,  
 ISIP= 1300 psi.  
 9/7/96 4057'-4066' BJ Services: 2268 gal 2% KCL  
 water w/ 72 ball sealers. Ball  
 action but no ball off. ATP= 2000 psi,  
 ATR= 3.5 bpm, ISIP=1400 psi.

**FRAC JOB**

9/7/96 4754'-4761' BJ Services: 24,402 gal 2%  
 4871'-4878' KCL water w/ 80,100# 16/30  
 4880'-4884' sand. ATP= 2200 psi, ATR=  
 35.4 bpm, ISIP= 2100 psi,  
 5 min=1780 psi, 10 min= 1690 psi,  
 15 min= 1640 psi.  
 9/7/96 4057'-4066' BJ Services: 14,532 gal 2%  
 KCL water w/ 39,000# 16/30  
 sand. ATP= 2000 psi, ATR= 31.0 bpm,  
 ISIP= 1600 psi, 5 min= 1400 psi,  
 10 min= 1290 psi, 15 min= 1230 psi,  
 30 min= 1130 psi.

**PERFORATION RECORD**

Date	Company	Interval	SPF
9/5/96	Schlumberger	4754'-4761'	2 SPF
		4871'-4878'	2 SPF
		4880'-4884'	2 SPF
9/7/96	Schlumberger	4057'-4066'	4 SPF

3-20-08

Workover. Updated rod and tubing detail.

4057'-4066'  
 4754'-4761'  
 4871'-4878'  
 4880'-4884'

SN LANDED @ 4931' KB  
 EOT LANDED @ 4966' KB

PBTD @ 5614' KB  
 TD @ 5700' KB



**Monument Federal 11-22-9-16Y**  
 957' FNL & 832' FWL  
 NW/NW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31647; Lease #UTU-64379

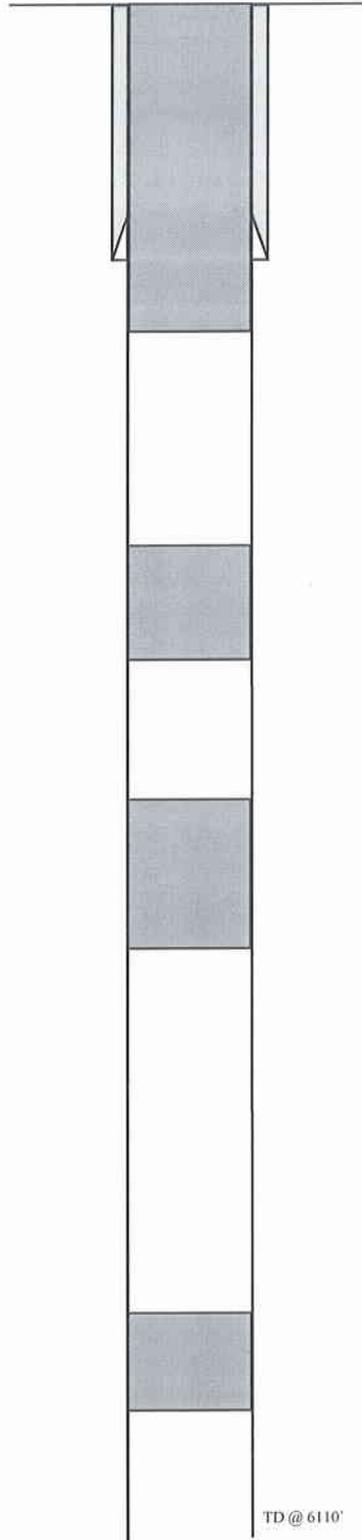
## Castle Peak #3

Spud Date: 1/31/63  
P&A'd: N/A  
GL: 6422' KB: 6434'

Put on Production: 3/14/63  
Cumulative Production  
14397 BO  
6429 MCF  
386 BW

Per State of Utah-DOGM records, this well was drilled by Diamond Shamrock. Current status on file is P&A'd. Plug date and cement plug detail were not available

P&A Wellbore Diagram



**Castle Peak #3**  
660 FSL 815 FEL  
SESE Section 22-T9S-R15E  
Duchesne Co, Utah  
API #43-013-15783; Lease #U-027345

## 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" cmt

### PRODUCTION CASING

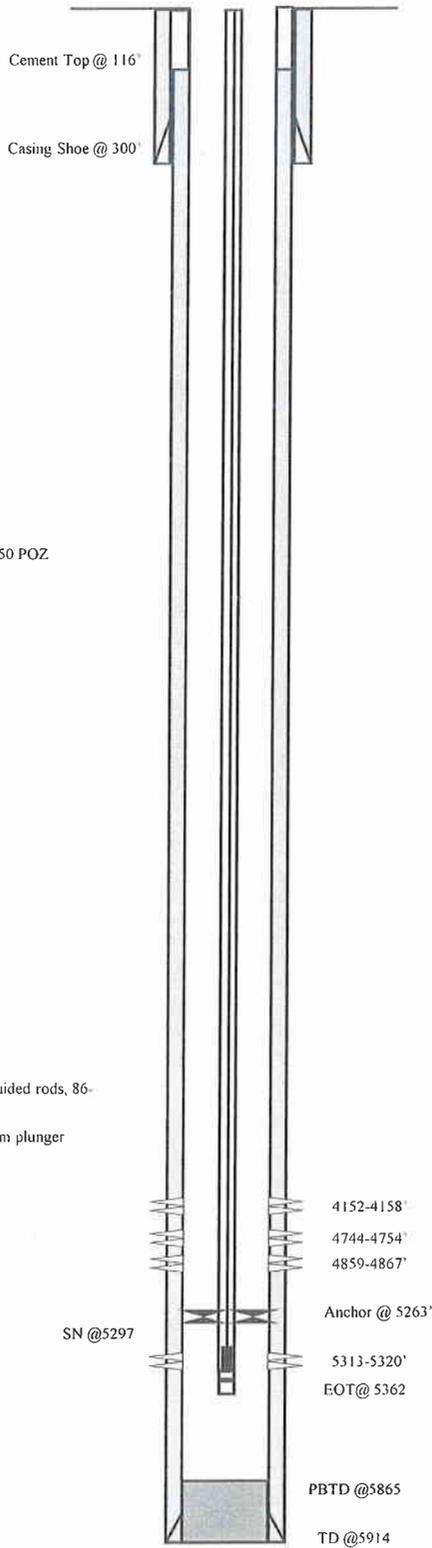
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 145 jts (6357 47')  
 DEPTH LANDED 5910 55' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 425 sx 50/50 POZ.  
 CEMENT TOP 116'

### 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/sm 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:**  
 34,902#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 9-21-9-16

Spud Date: 07/31/09  
 Put on Production: 09/02/09  
 GL: 5970' KB: 5982'

Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 6 jts (264')  
 DEPTH LANDED 322'  
 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 140 jts (5836')  
 HOLE SIZE 7-7/8"  
 DEPTH LANDED 5887 85'  
 CEMENT DATA 260 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 120'

### TUBING

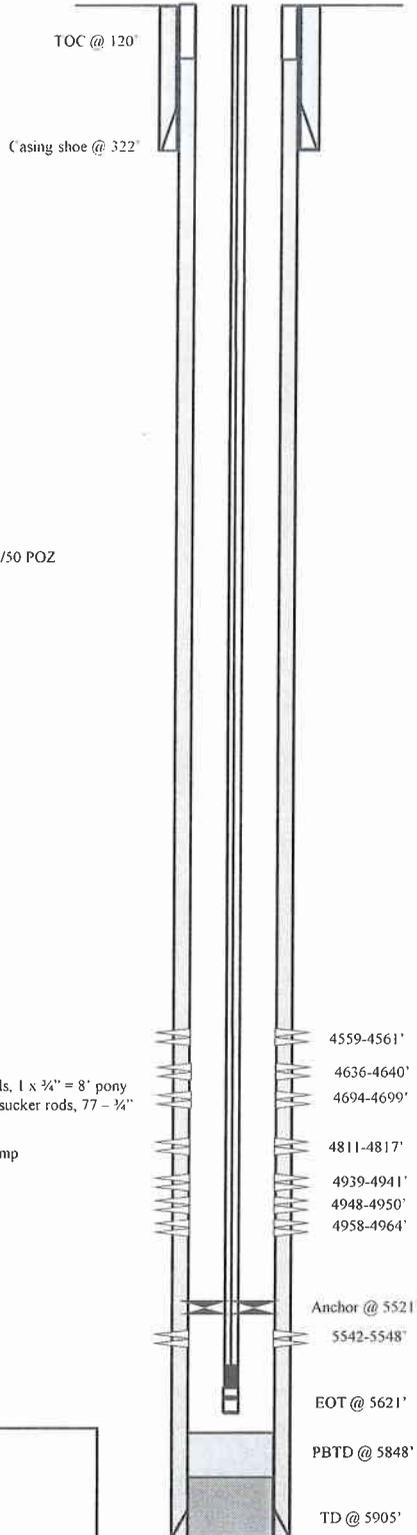
SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 172 jts (5509 1')  
 TUBING ANCHOR 5521'  
 NO OF JOINTS 1 jts (31 4')  
 SEATING NIPPLE 2-7/8" (1 1')  
 SN LANDED AT 5555 4' KB  
 NO OF JOINTS 2 jts (64 1')  
 TOTAL STRING LENGTH EOT @ 5621'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS 2 x 3/4" = 8' pony rod, 1 x 3/4" = 6' pony rods, 1 x 3/4" = 8' pony rods, 104 - 3/4" = 2600' (4 per) guided rods, 34 - 3/4" = 850' sucker rods, 77 - 1/4" = 1925' (4 per) guided rods, 6 - 1 1/2" = 150' sinker bars  
 PUMP SIZE CDI 2 1/2" x 1 1/25" x 17" RTBC McGyver pump  
 STROKE LENGTH 122  
 PUMP SPEED, SPM 5

### FRAC JOB

9-2-09	5542-5548'	Frac CP3 sands as follows: Frac with 15136# 20/40 sand in 122 bbls Lightning 17 fluid
9-2-09	4939-4964'	Frac A3 sands as follows: Frac with 115669# 20/40 sand in 698 bbls Lightning 17 fluid
9-2-09	4811-4817'	Frac B2 sands as follows: Frac with 25293# 20/40 sand in 204 bbls Lightning 17 fluid
9-2-09	4559-4699'	Frac C, D1, & D3 sands as follows: Frac with 111451# 20/40 sand in 635 bbls Lightning 17 fluid
11/25/10		Pump Change Rod & tubing updated
3/30/11		Tubing leak Rod & tubing detail updated



### PERFORATION RECORD

5542-5548'	3 JSPF	18 holes
4958-4964'	3 JSPF	18 holes
4948-4950'	3 JSPF	6 holes
4939-4941'	3 JSPF	6 holes
4811-4817'	3 JSPF	18 holes
4694-4699'	3 JSPF	15 holes
4636-4640'	3 JSPF	12 holes
4559-4561'	3 JSPF	6 holes



**Federal 9-21-9-16**  
 2247' FSL & 756' FEL NE/SE  
 Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33145; Lease #UTU-74392

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				

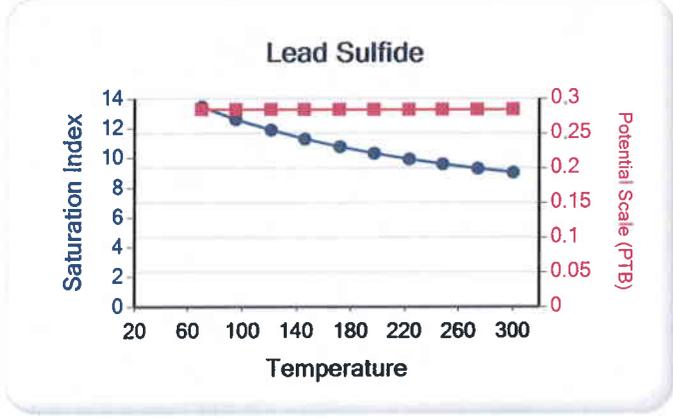
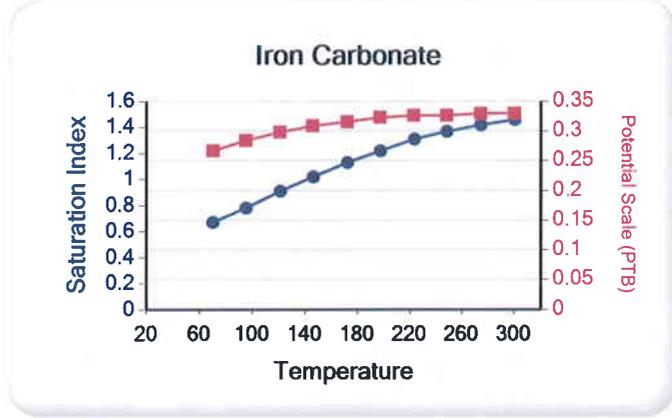
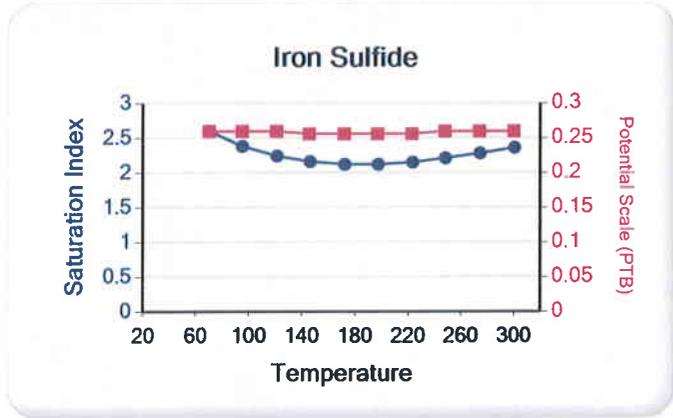
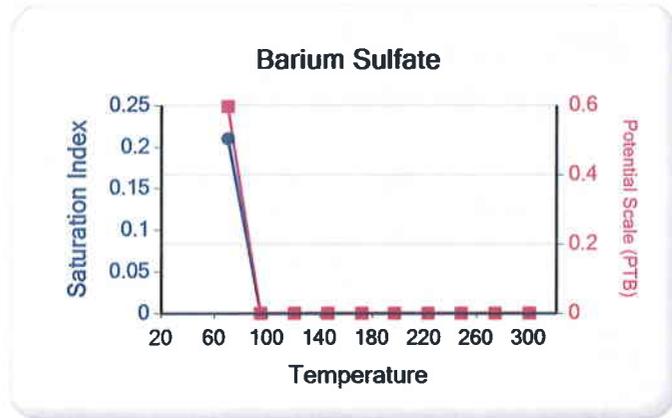
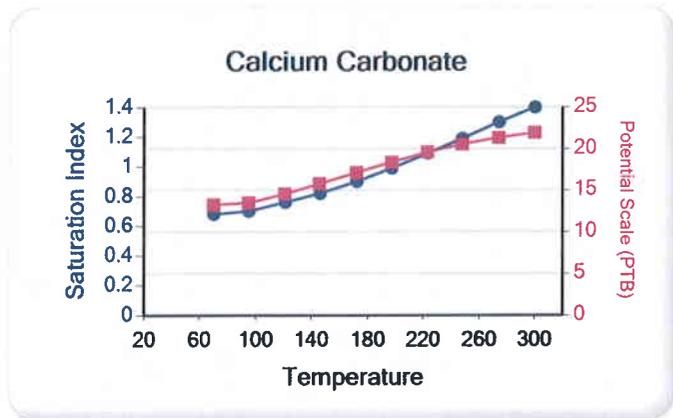
Notes:

(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



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FED 11A-22-9-16**  
Sample Point:  
Sample Date: **5/16/2012**  
Sample ID: **WA-215015**

Sales Rep: **Michael McBride**  
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	6/5/2012	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	200.00	Sodium (Na):	5443.71	Chloride (Cl):	6100.00
System Pressure 1 (psig):	2000.0000	Potassium (K):	31.00	Sulfate (SO4):	2.00
System Temperature 2 (°F):	60.00	Magnesium (Mg):	10.00	Bicarbonate (HCO3):	4099.20
System Pressure 2 (psig):	60.0000	Calcium (Ca):	12.40	Carbonate (CO3):	0.00
Calculated Density (g/ml):	1.008	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
pH:	9.50	Barium (Ba):	15.00	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	15714.48	Iron (Fe):	1.04	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.09	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.02	Fluoride (F):	
H2S in Gas (%):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	55.00	Manganese (Mn):	0.02	Silica (SiO2):	

Notes:

(PTB = Pounds per Thousand Barrels)

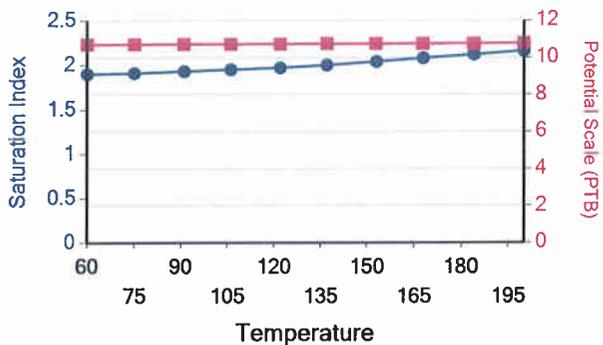
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	60.00	1.90	10.71	0.12	0.37	4.96	0.57	2.44	0.75	0.00	0.00	0.00	0.00	0.00	0.00	12.44	0.05
75.00	275.00	1.91	10.72	0.00	0.00	4.80	0.57	2.51	0.75	0.00	0.00	0.00	0.00	0.00	0.00	12.09	0.05
91.00	491.00	1.93	10.73	0.00	0.00	4.67	0.57	2.58	0.75	0.00	0.00	0.00	0.00	0.00	0.00	11.77	0.05
106.00	706.00	1.95	10.73	0.00	0.00	4.56	0.57	2.65	0.75	0.00	0.00	0.00	0.00	0.00	0.00	11.48	0.05
122.00	922.00	1.97	10.74	0.00	0.00	4.47	0.57	2.72	0.75	0.00	0.00	0.00	0.00	0.00	0.00	11.22	0.05
137.00	1137.00	2.00	10.74	0.00	0.00	4.41	0.57	2.78	0.75	0.00	0.00	0.00	0.00	0.00	0.00	10.99	0.05
153.00	1353.00	2.04	10.75	0.00	0.00	4.36	0.57	2.84	0.75	0.00	0.00	0.00	0.00	0.00	0.00	10.78	0.05
168.00	1568.00	2.08	10.76	0.00	0.00	4.34	0.57	2.90	0.75	0.00	0.00	0.00	0.00	0.00	0.00	10.59	0.05
184.00	1784.00	2.12	10.77	0.00	0.00	4.32	0.57	2.95	0.76	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.05
200.00	2000.00	2.16	10.78	0.00	0.00	4.31	0.57	3.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00	10.25	0.05

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
60.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.05	14.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00
75.00	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.05	13.76	0.01	0.00	0.00	0.00	0.00	0.00	0.00
91.00	491.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.06	13.25	0.01	0.00	0.00	0.00	0.00	0.00	0.00
106.00	706.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.06	12.78	0.01	0.00	0.00	0.00	0.00	0.00	0.00
122.00	922.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.06	12.36	0.01	0.00	0.00	0.00	0.00	0.00	0.00
137.00	1137.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.06	11.97	0.01	0.00	0.00	0.00	0.00	0.00	0.00
153.00	1353.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.06	11.62	0.01	0.00	0.00	0.00	0.00	0.00	0.00
168.00	1568.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.06	11.30	0.01	0.00	0.00	0.00	0.00	0.00	0.00
184.00	1784.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.06	11.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.06	10.73	0.01	0.00	0.00	0.00	0.00	0.00	0.00

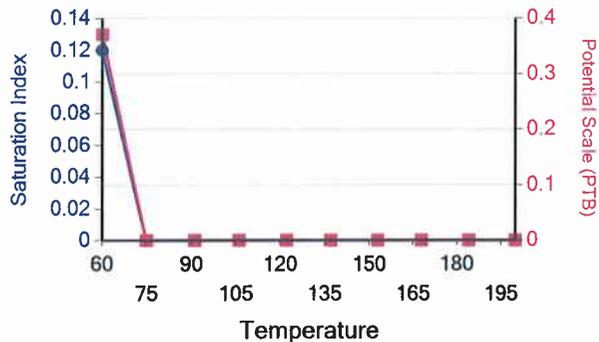
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

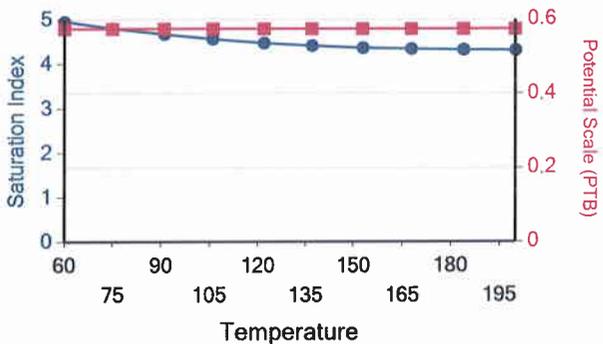
Calcium Carbonate



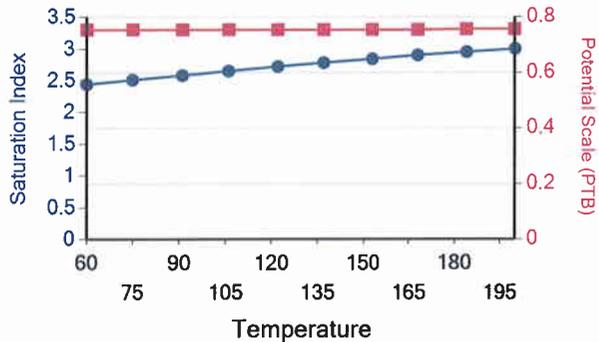
Barium Sulfate



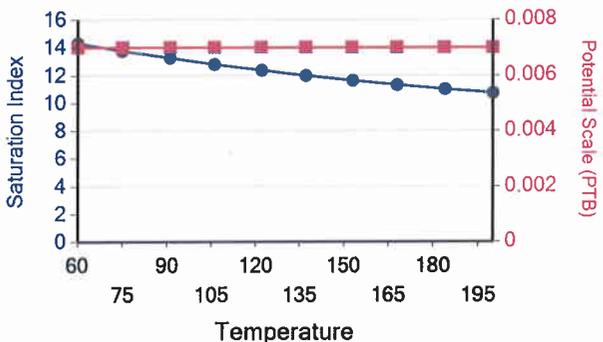
Iron Sulfide



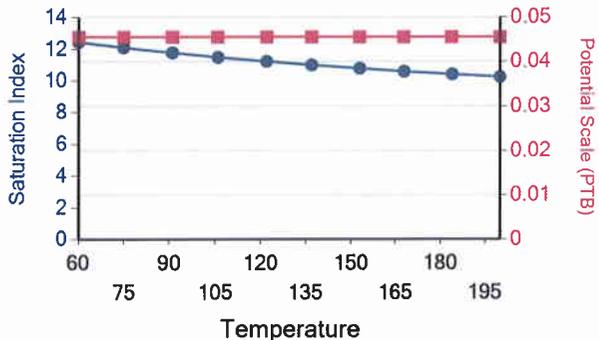
Iron Carbonate

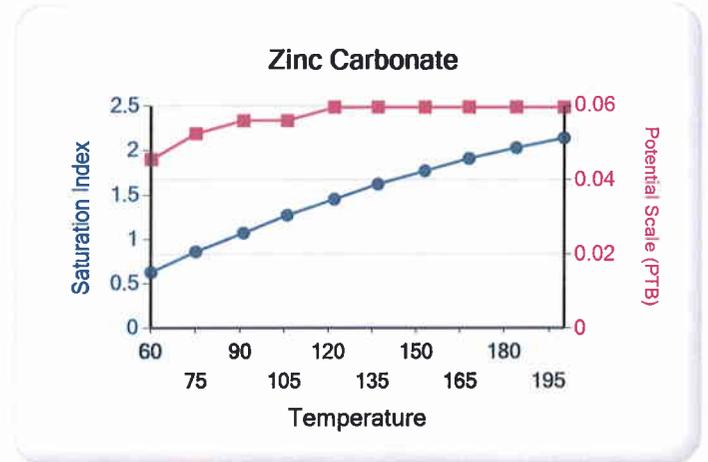


Lead Sulfide



Zinc Sulfide





**Attachment "G"**

**Federal #11A-22-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5601	5618	5610	2200	0.83	2164
4885	4897	4891	2160	0.88	2128
4490	4495	4493	1908	0.86	1879
3940	3948	3944	1470	0.81	1444 ←
				<b>Minimum</b>	<u><u>1444</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 11A-22-9-16 Report Date: 10-Jul-07 Day: 1  
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5601-5618'	4/68			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Jul-07 SITP: SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 183'. Perforate stage #1. CP5 sds @ 5601-18' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319 331 Titan) w/ 4 spf for total of 68 shots. 139 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 Starting oil rec to date:  
Fluid lost/recovered today: 0 Oil lost/recovered today:  
Ending fluid to be recovered: 139 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

- Weatherford BOP
- NPC NU crew
- NDSI trucking
- Perforators LLC
- Drilling cost
- Action hot oil
- Location preparation
- NPC wellhead
- Benco - anchors
- Admin. Overhead
- NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:  
Avg TP: Avg Rate: Total Prop pmpd:  
ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Orson Barney

DAILY COST: \$0  
TOTAL WELL COST:





## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16 **Report Date:** 12-Jul-07 **Day:** 2b  
**Operation:** Completion **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 5843' **Csg PBTD:** 5794' WL  
**Tbg:** **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_ **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_ **BP/Sand PBTD:** 4605'  
**Plug** 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>	_____	_____	_____
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 11-Jul-07 **SITP:** \_\_\_\_\_ **SICP:** 1841

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) & 12' per gun. Set plug @ 5020'. Perforate A1 sds @ 4885-97' w/ 3-1/8" slick guns (23 gram, .43"HE, 90 ) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 70,631#'s of 20/40 sand in 616 bbls of Lightning 17 frac fluid. Open well w/ 1841 psi on casing. Perfs broke down @ 3881 psi. Treated @ ave pressure of 1959 @ ave rate of 24.8 bpm w/ 8 ppg o sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2160. 1250 bbls EWTR. Leave pressure or well. RIH w/ frac solid plug & 5' perf gun. Set plug @ 4605'. Perforate D1 ss @ 4490-95' w/ 4 spf for total of 20 shots SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 634 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 616 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1250 **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

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services A1 sds  
Lone Wolf A1 sds

**Procedure or Equipment detail:** A1 sds down casing  
1596 gals of 767W & to cross link  
5376 gals of pad  
3625 gals w/ 1-5 ppg of 20/40 sand  
7250 gals w/ 5-8 ppg of 20/40 sand  
3111 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4410 gals of slick water

**\*\*Flush called @ blender to include 2 bbls pump/line voume\*\***

**Max TP:** 2253 **Max Rate:** 24.8 **Total fluid pmpd:** 616 bbls  
**Avg TP:** 1959 **Avg Rate:** 24.8 **Total Prop pmpd:** 70,631#'s  
**ISIP:** 2160 **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_ **FG:** .88

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ **\$0**  
**TOTAL WELL COST:** \_\_\_\_\_





## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: 13-Jul-07 Day: 3b  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBD: 4060'  
 Plug 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jul-07 SITP: \_\_\_\_\_ SICP: 1452

Day3b.

RU WLT. RIH w/ flow through frac plug & 8' perf gun. Set plug @ 4060". Perforate GB4 sds @ 3940-48' w/ 4 spf for total of 32 shots. RU BJ & frac stage #4 w/ 42,107#'s of 20/40 sand in 394 bbls of Lightning 17 frac fluid. Open well w/ 1452 psi on casing. Perfs broke down @ 2449 psi. Treated @ ave pressure of 1555 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1470. 1954 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours w/ 210 bbls rec'd SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1954 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 210 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1744 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: GB4 sds down casing  
1554 gals of 767W & to cross link  
3192 gals of pad  
2500 gals w/ 1-5 ppg of 20/40 sand  
5396 gals w/ 5-8 ppg of 20/40 sand  
Flush w/ 3906 gals of slick water

### COSTS

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services A1 sds  
Lone Wolf A1 sds  
C-D trkg water transfer

Max TP: 1735 Max Rate: 24.8 Total fluid pmpd: 394 bbls  
 Avg TP: 1555 Avg Rate: 24.8 Total Prop pmpd: 42,107#'s  
 ISIP: 1470 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .81

Completion Supervisor: Ron Shuck

DAILY COST: \_\_\_\_\_ \$0  
 TOTAL WELL COST: \_\_\_\_\_



DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16

Report Date: July 17, 2007

Day: 04

Operation: Completion

Rig: Western #2

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 2960' BP/Sand PBTD: 4060'
Plug 5020' 4605'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, D1 sds, A1 sds, CP5 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: July 16, 2007

SITP: SICP: 0

Finish rig repairs. MIRU Western #2. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub 8 new 2 7/8 8rd 6.5# J-55 tbg to 2960'. SIFN W/ est 1744 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 1744 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:

- Western #2 rig
Weatherford BOP
Liddell trucking
NPC trucking
NDSI wtr & truck
Unichem chemicals
NPC sfc equipment
Boren labor/welding
Mt. West sanitation
NPC location cleanup
Monks pit reclaim
Nabors swivel
NPC supervision

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: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: July 18, 2007 Day: 05
Operation: Completion Rig: Western #2

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5821'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5773' BP/Sand PBTD: 5821'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, D1 sds, A1 sds, CP5 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: July 17, 2007 SITP: SICP: 0

Con't PU & TIH W/ bit and tbg f/ 2960'. Tag fill @ 4042'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd 8 drill out composite bridge plugs as follows (using conventional circulation): sd @ 4042', plug @ 4060' in 11 minutes; sc @ 4577', plug @ 4605' in 19 minutes; sd @ 4893', plug @ 5020' in 23 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5748'. PU swivel. Drill plug remains & sd to PBTB @ 5821'. Circ hole clean. Lost est 40 BW during cleanout RD swivel. Pull EOT to 5773'. RU swab equipment. IFL @ sfc. Made 15 swb runs rec 144 BTF W/ light gas, tr oil 8 sm tr sd. FFL @ 1900'. SIFN W/ est 1630 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date:
Fluid lost/recovered today: 114 Oil lost/recovered today:
Ending fluid to be recovered: 1630 Cum oil recovered:
IFL: sfc FFL: 1900' FTP: Choke: Final Fluid Rate: Final oil cut: tr

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type: Western #2 rig
Company: Weatherford BOP
Procedure or Equipment detail: NDSI wtr disposal
CDI TA
CDI SN
NPC supervision

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: FG: DAILY COST: \$0
Completion Supervisor: Gary Dietz TOTAL WELL COST:



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3890'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 21 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 46 sx Class "G" cement down 5 ½" casing to 373'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

Initial Production: BOPD,  
 MCFD, BWPD

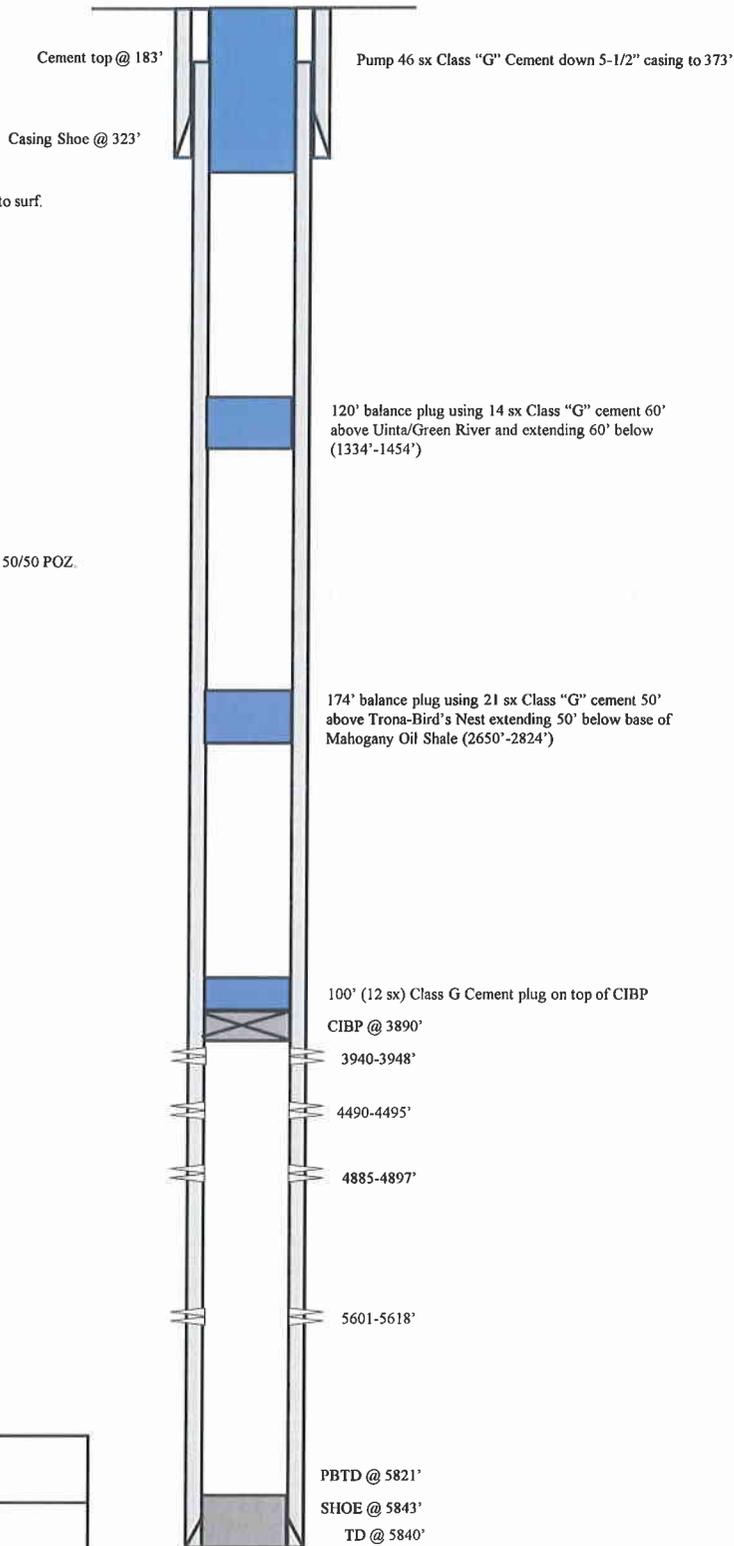
### Proposed Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' 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: 134 jts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'




<p><b>Federal 11A-22-9-16</b>                  2007' FSL &amp; 1783' FWL                  NE/SW Section 22-T9S-R16E                  Duchesne Co, Utah                  API #43-013-33149; Lease #UTU-74392</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

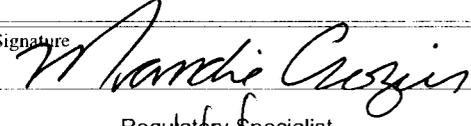
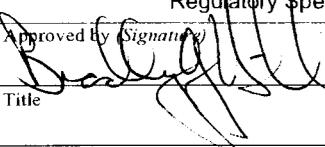
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No. <b>UTU-74392</b>	
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 11A-22-9-16	
9. API Well No. <b>43-013-33149</b>	
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte <b>W<sup>S</sup></b>
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	11. Sec., T., R., M., or Blk. and Survey or Area NE/SW Sec. 22, T9S R16E
2. Name of Operator <b>Newfield Production Company</b>	12. County or Parish <b>Duchesne</b>
3a. Address <b>Route #3 Box 3630, Myton UT 84052</b>	13. State <b>UT</b>
3b. Phone No. (include area code) <b>(435) 646-3721</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NE/SW 2007' FSL 1783' FWL <b>576143Y 40.014595</b> At proposed prod. zone <b>4429548Y -110.10-7814</b>	
14. Distance in miles and direction from nearest town or post office* <b>Approximatley 24.6 miles southwest of Myton, Utah</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 633' f/lse, NA f/unit	16. No. of Acres in lease <b>2080.00</b>
17. Spacing Unit dedicated to this well <b>40 Acres</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1735'	19. Proposed Depth <b>5925'</b>
20. BLM/BIA Bond No. on file <b>UTB000192</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5867' GL</b>	22. Approximate date work will start* <b>3rd Quarter 2006</b>
23. Estimated duration <b>Approximately seven (7) days from spud to rig release.</b>	

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) <b>Mandie Crozier</b>	Date <b>4/18/06</b>
Title <b>Regulatory Specialist</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>04-25-06</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

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)

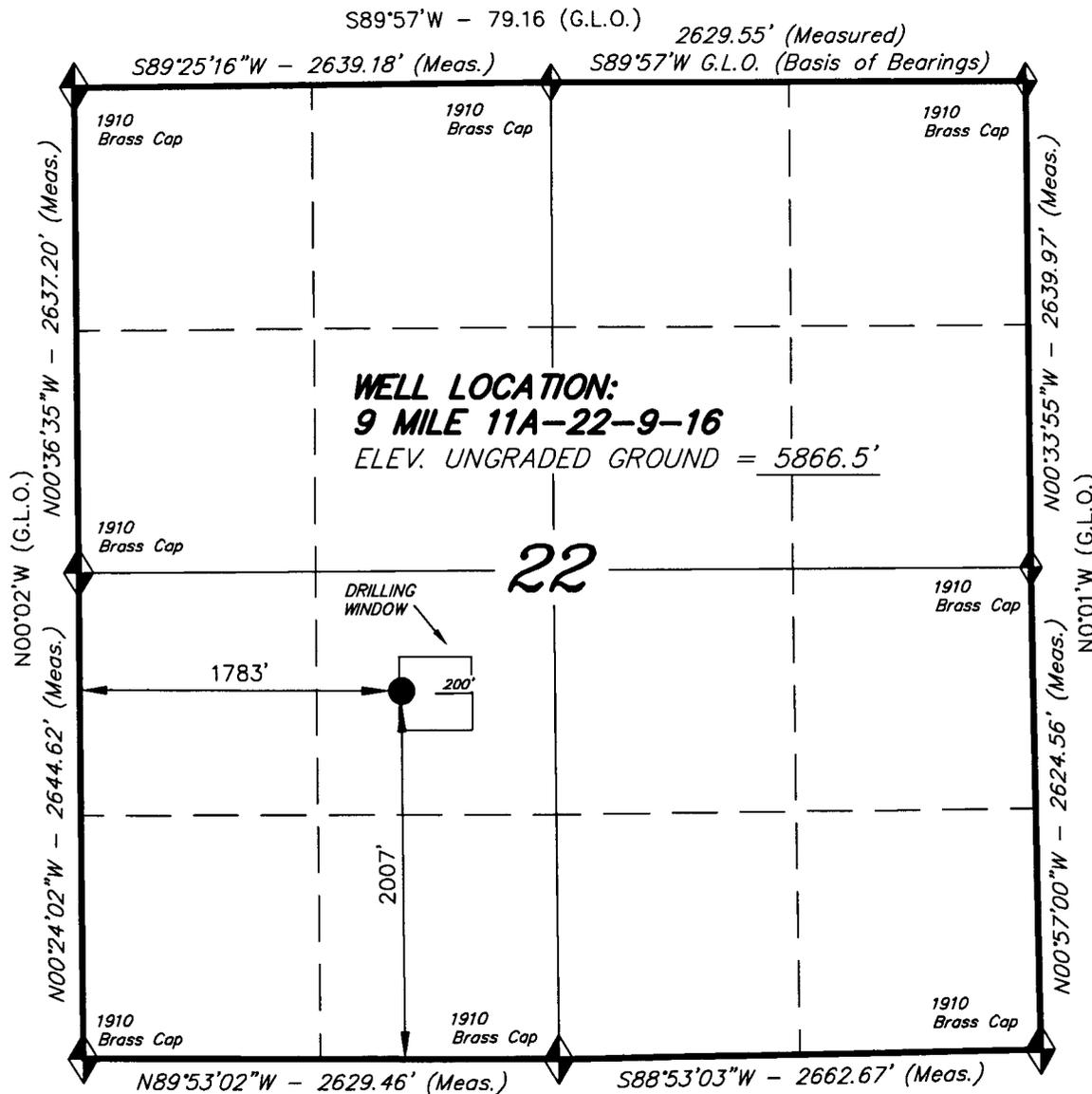
**Federal Approval of this  
Action is Necessary**

**APR 19 2006**

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

## NEWFIELD PRODUCTION COMPANY

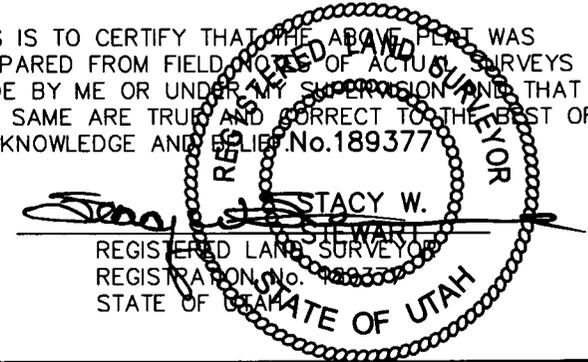
WELL LOCATION, 9 MILE 11A-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**9 MILE 11A-22-9-16**  
 ELEV. UNGRADED GROUND = 5866.5'



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



### TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 03-29-06	SURVEYED BY: C.M.
DATE DRAWN: 03-31-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

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

**9 MILE 11A-22-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 00' 52.44"  
 LONGITUDE = 110° 06' 30.40"



April 18, 2006

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 11A-22-9-16, 13-22-9-16 and  
14-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 13-22-9-16 is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

  
Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED  
APR 19 2006

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #11A-22-9-16  
NE/SW 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' – 2285'
Green River	2285'
Wasatch	5925'

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

Green River Formation 2285' – 5925' - 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 1800 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.

**NEWFIELD PRODUCTION COMPANY  
FEDERAL #11A-22-9-16  
NE/SW 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 #11A-22-9-16 located in the NE 1/4 SW 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 southwesterly – 10.9 miles  $\pm$  to its junction with an existing road to the northeast; proceed northeasterly and then southwesterly – 10.1 miles  $\pm$  to its junction with an existing road to the southeast; proceed southeasterly and then northeasterly – 2.0 miles  $\pm$  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**

All permanent surface equipment will be painted Carlsbad Canyon.  
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 (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #11A-22-9-16 there will be no access road proposed. The access road leading to the well location is existing. **Refer to Topographic Map "B"**.

Newfield Production Company requests 170' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the 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.

Newfield Production Company requests 170' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 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 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**

None.

**Reserve Pit Liner**

A 12 mil liner with felt is required. 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)

Western Wheatgrass  
Galletta Grass

*Pascopyrum Smithii*  
*Hilaria Jamesii*

6 lbs/acre  
6 lbs /acre

**Details of the On-Site Inspection**

The proposed Federal #11A-22-9-16 was on-sited on 3/17/06. The following were present: Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

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

Representative

Name: Shon Mckinnon  
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 #11A-22-9-16 NE/SW 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.

4/18/06

Date



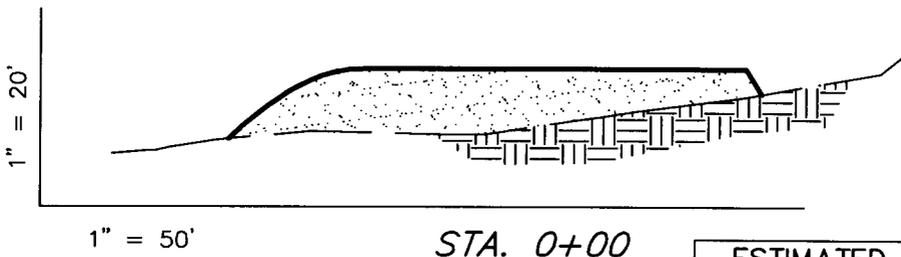
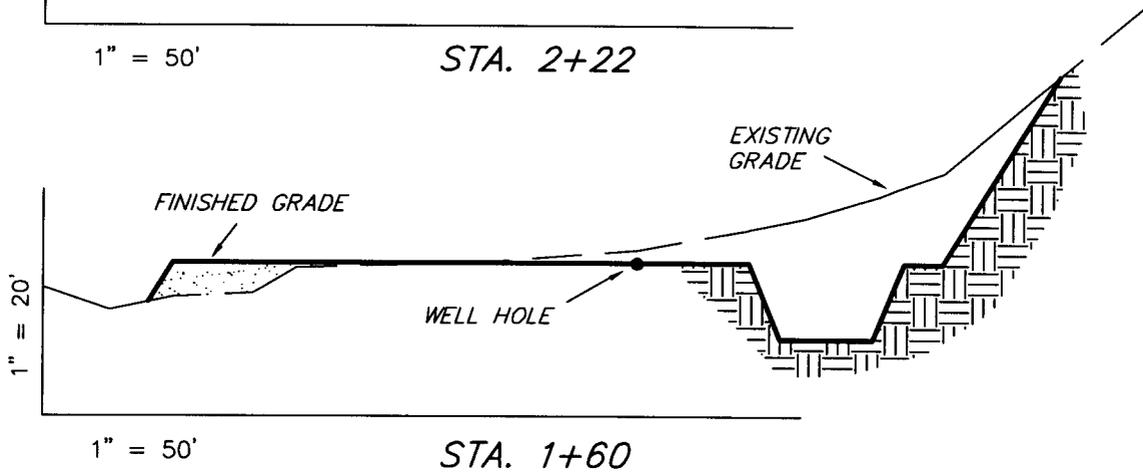
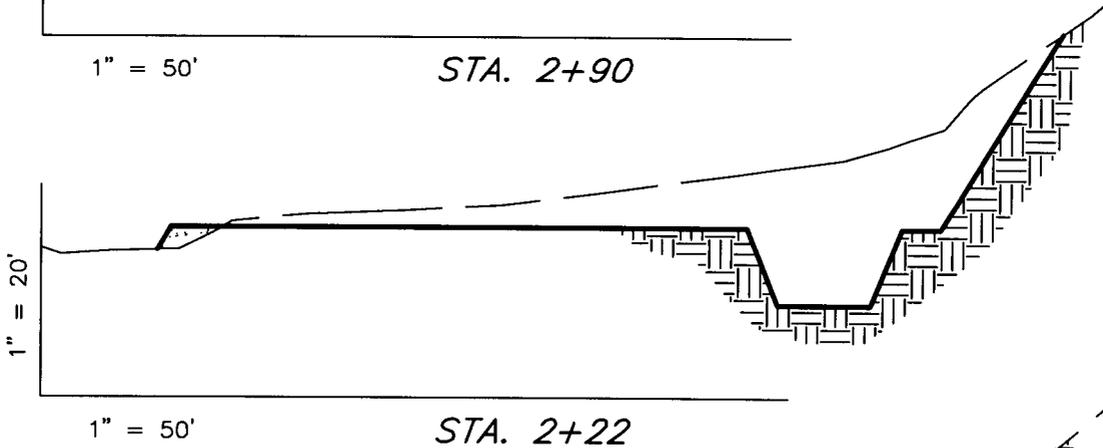
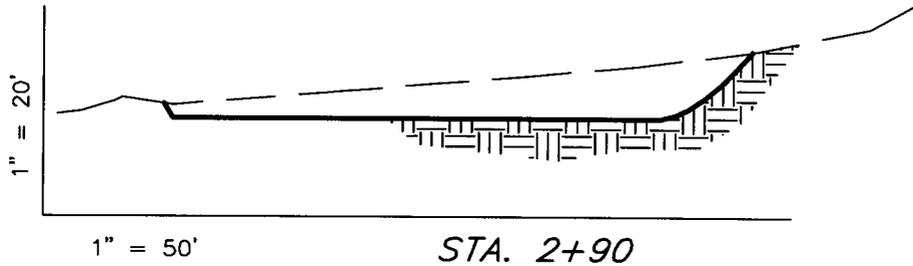
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### 9 MILE 11A-22-9-16



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

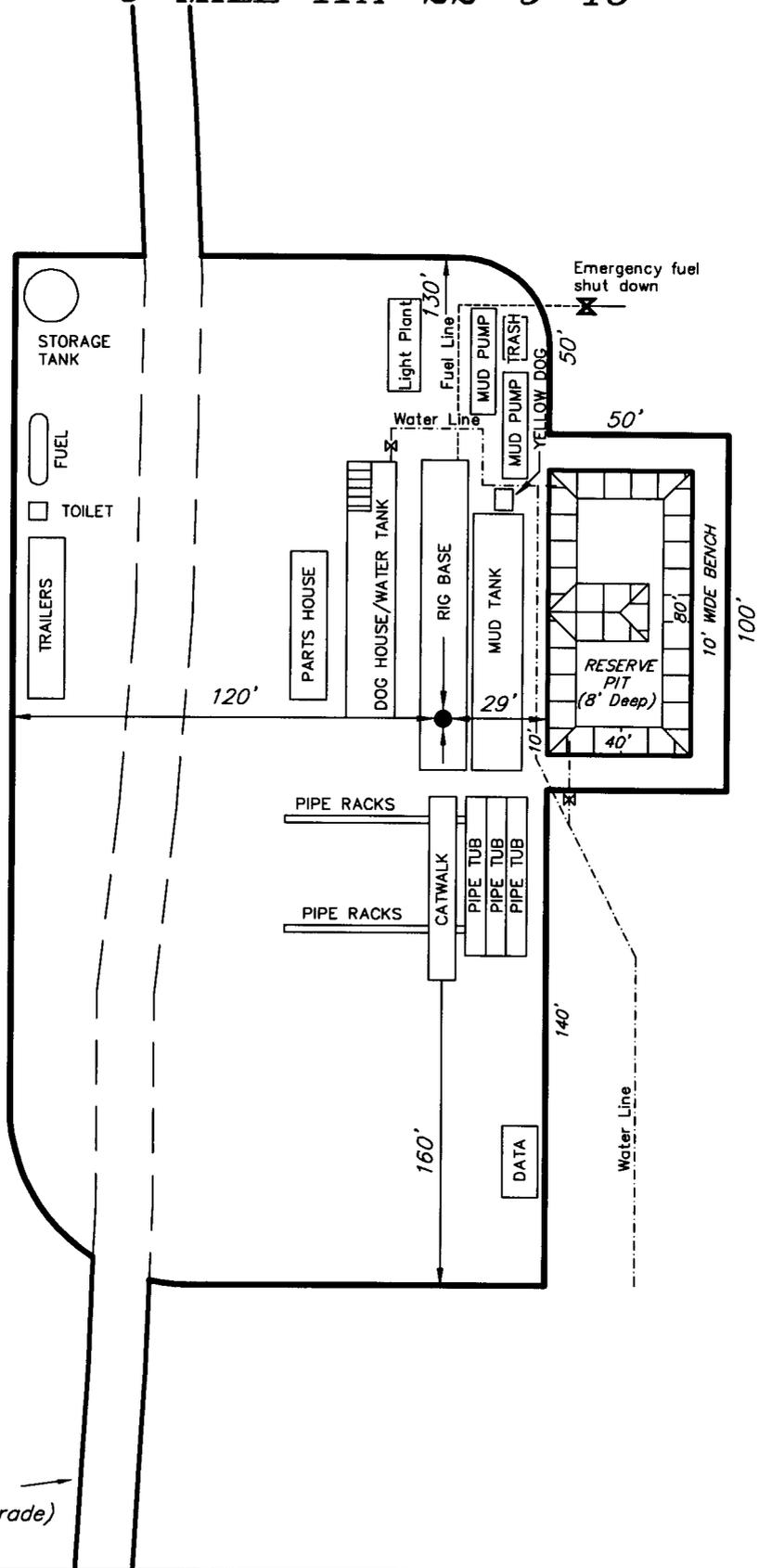
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,510	3,510	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,150	3,510	1,070	640

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

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 03-31-06

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

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**9 MILE 11A-22-9-16**



EXISTING ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: C.M.	SCALE: 1" = 50'	<b>Tri State</b> Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: F.T.M.	DATE: 03-31-06	



**NEWFIELD**  
Exploration Company

**9 Mile 11A-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

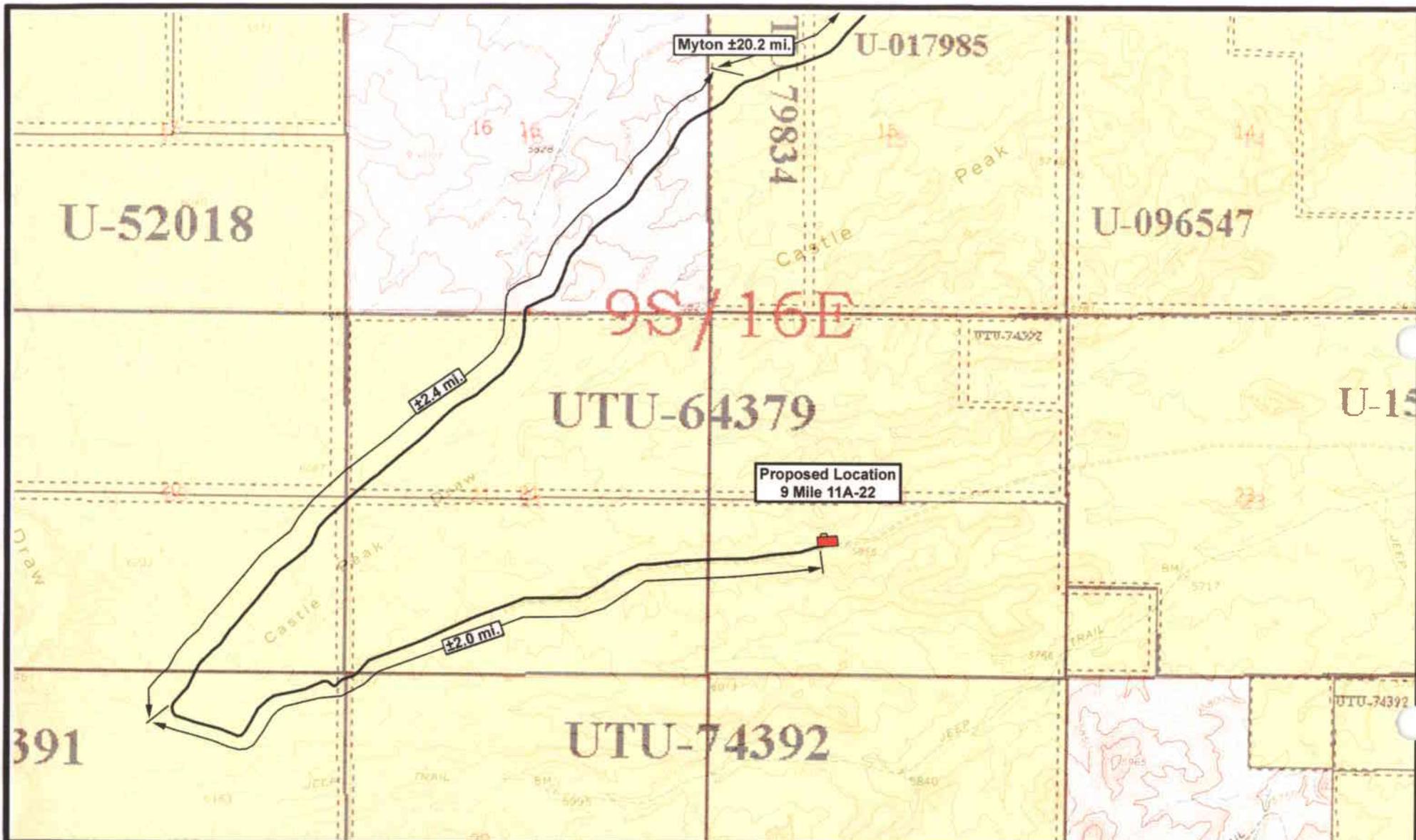
SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 03-31-2006

**Legend**

Existing Road

TOPOGRAPHIC MAP

**"A"**



 **NEWFIELD**  
Exploration Company

**9 Mile 11A-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: 03-31-2006

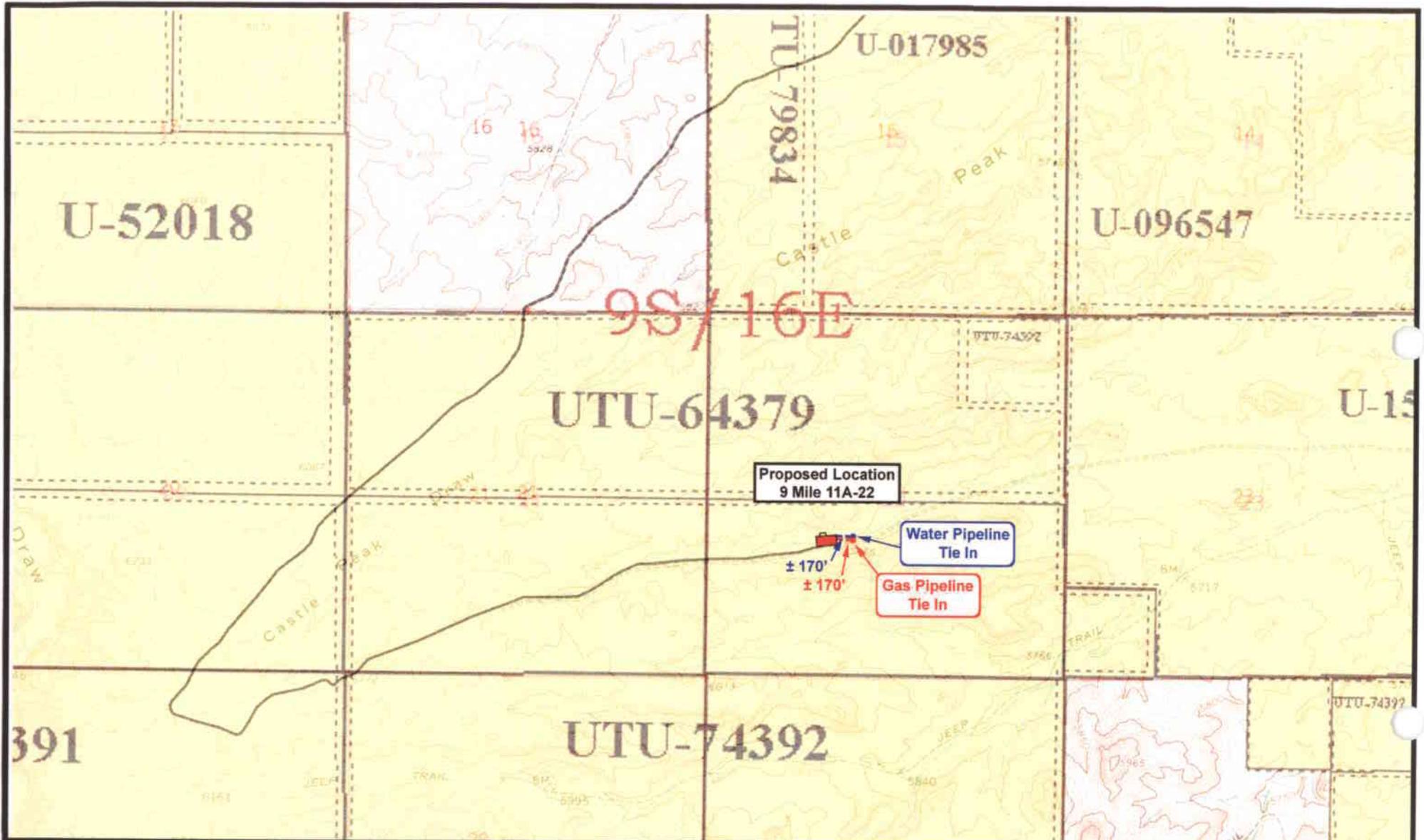
**Legend**

 Existing Road

TOPOGRAPHIC MAP

**"B"**





Proposed Location  
9 Mile 11A-22

Water Pipeline  
Tie In

Gas Pipeline  
Tie In

± 170'

± 170'

**NEWFIELD**  
Exploration Company

**9 Mile 11A-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**

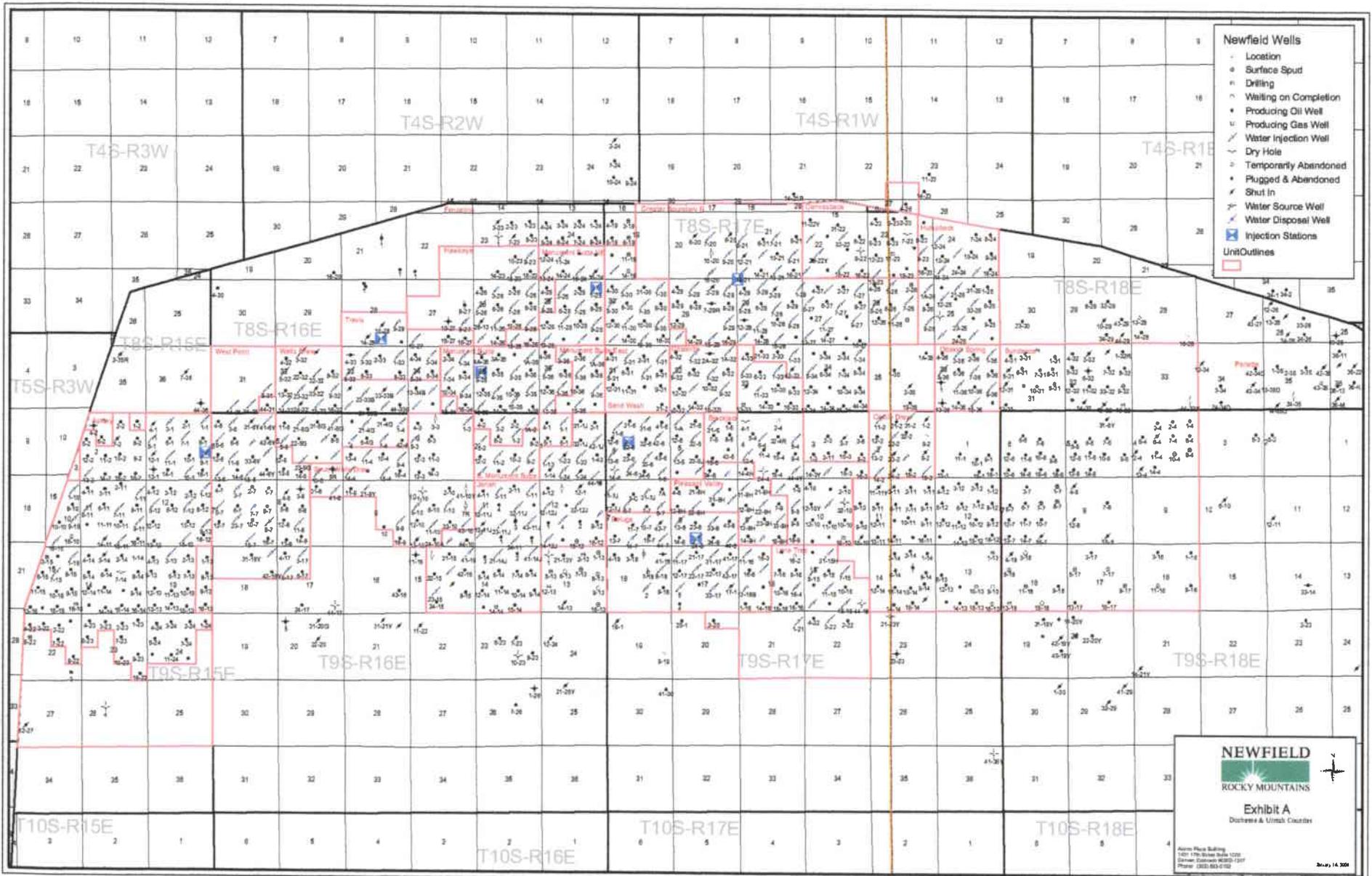
*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

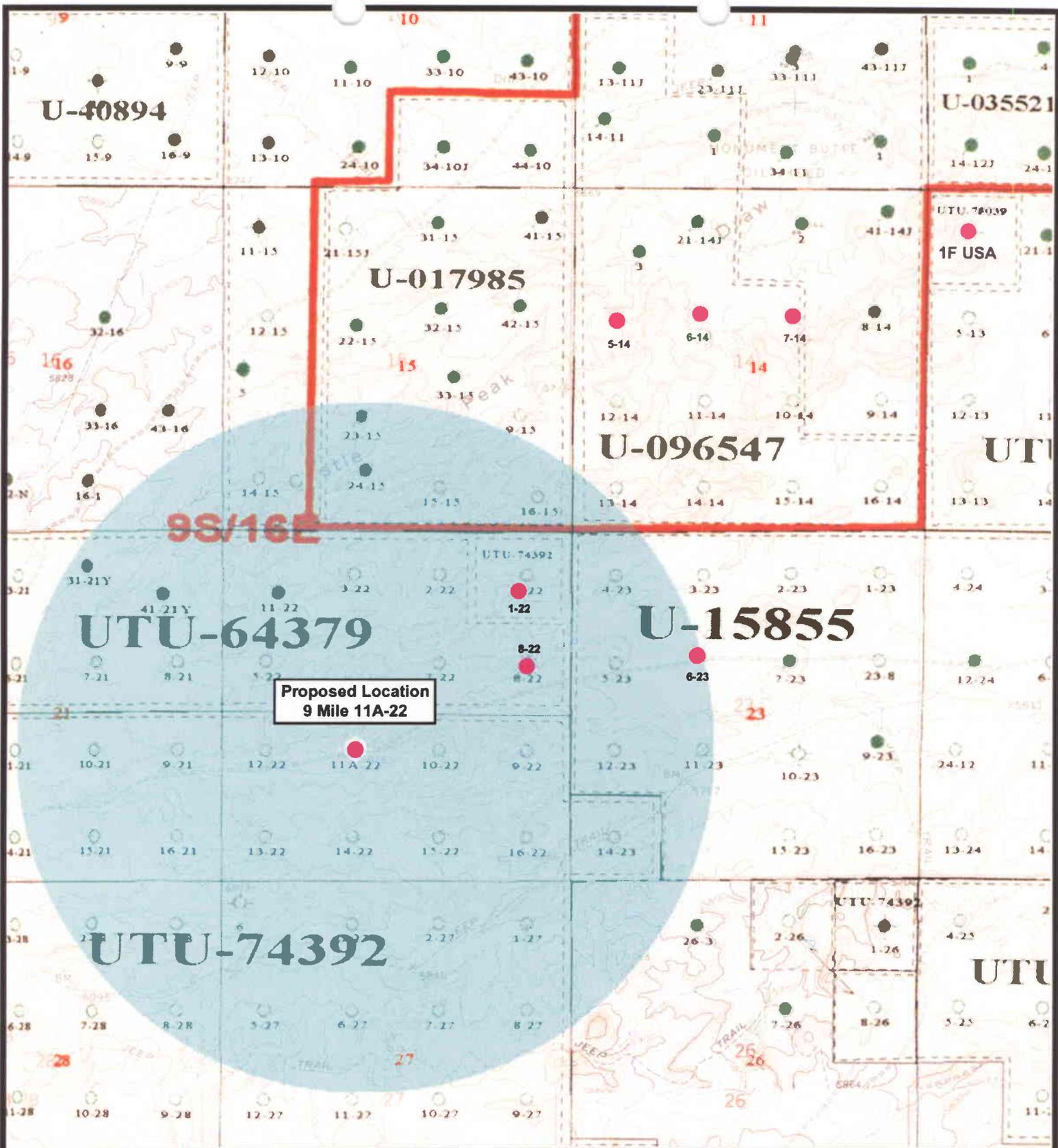
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 03-31-2006

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**





**Proposed Location  
9 Mile 11A-22**

 **NEWFIELD**  
Exploration Company

**9 Mile 11A-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: 03-31-2006

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

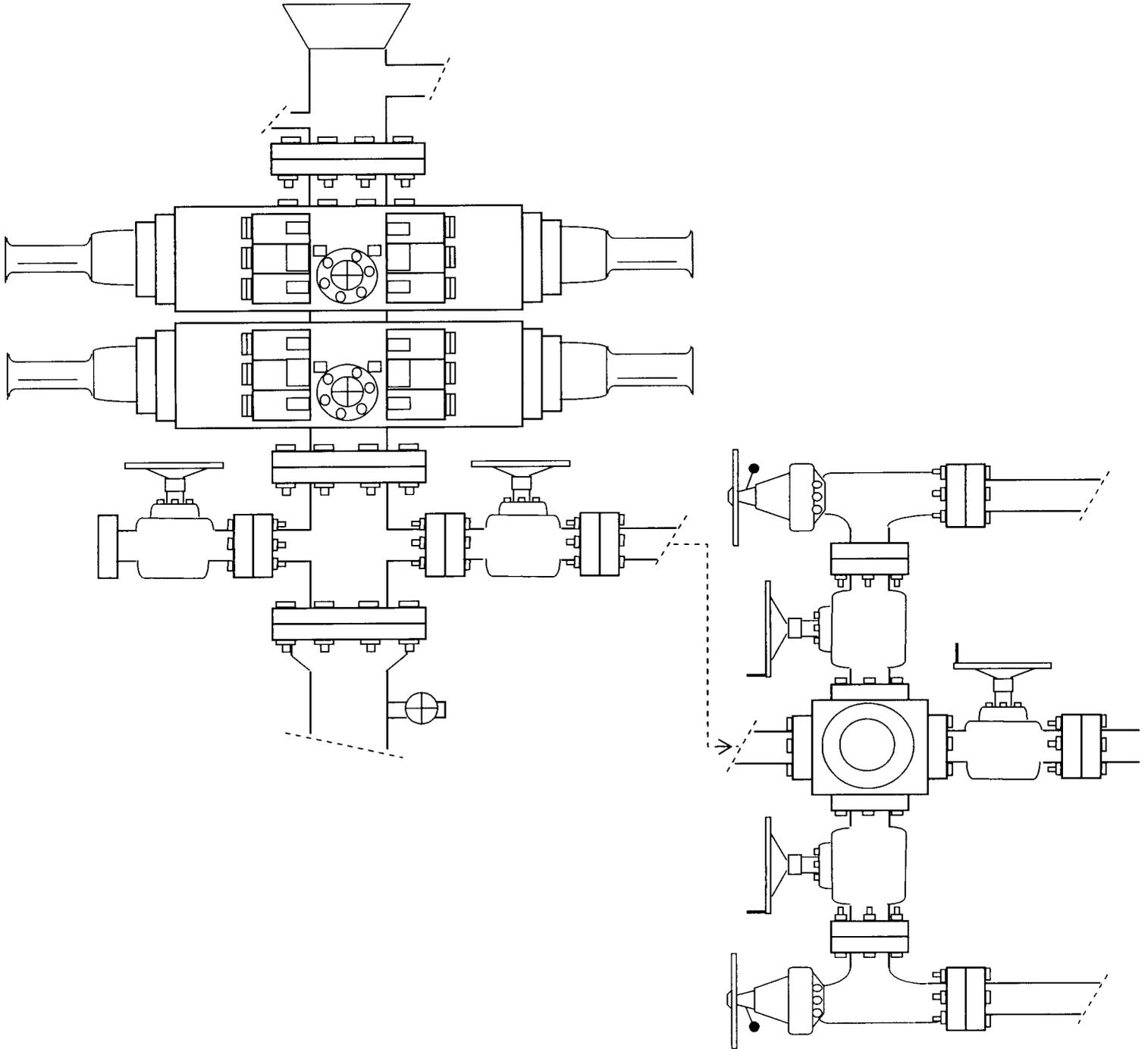


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 21 and 22,  
DUCHESNE COUNTY, UTAH

By:

Katie Simon

Prepared For:

Bureau fo Land Management  
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, UT 84052

Prepared By:

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

MOAC Report No. 05-240

July 25, 2005

United States Department of Interior (FLPMA)  
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0709b

**NEWFIELD PRODUCTION COMPANY**

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

SW 1/4, SE 1/4, and SW 1/4, Section 9 [9,11,12,13 & 14-9-9-16]; Entire Section 22 (excluding NE 1/4, NE 1/4 & NW 1/4, NW 1/4) [2,3,5 through 16-9-9-16]; Entire Section 23 (excluding SE 1/4, NW 1/4, SW 1/4, NE 1/4, NE 1/4 & NW 1/4, SE 1/4) [1 through 5, 8, 11 through 16-9-9-16]; Entire Section 24 (excluding SW 1/4, NW 1/4) [1 through 4, 6 through 16-9-9-16] all in Township 9 South, Range 16 East

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 28, 2005

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/19/2006

API NO. ASSIGNED: 43-013-33149
--------------------------------

WELL NAME: FEDERAL 11A-22-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 22 090S 160E  
 SURFACE: 2007 FSL 1783 FWL  
 BOTTOM: 2007 FSL 1783 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.01460 LONGITUDE: -110.1078  
 UTM SURF EASTINGS: 576143 NORTHINGS: 4429548  
 FIELD NAME: 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

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- 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)
- Intent to Commingle (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 WHP

# JONAH UNIT

MONUMENT FED 14-15  
FEDERAL 13-15-9-16

CASTLE PK  
FED 24-15

JONAH FED  
15-15-9-16

CASTLE PEAK  
FED 44-15  
JONAH FED  
16-15-9-16

JONAH FED  
13-14-9-16

T9S R16E

FEDERAL  
41-21Y

MON FED  
11-22-9-16Y

FEDERAL 3-22-9-16  
MON FED 21-22-9-16Y

FEDERAL  
2-22-9-16

FEDERAL  
1-22-9-16

FEDERAL  
8-21-9-16

FEDERAL  
5-22-9-16

FEDERAL  
7-22-9-16

FEDERAL  
8-22-9-16

FEDERAL  
5-23-9-16

FEDERAL  
9-21-9-16

FEDERAL  
6-22-9-16

FEDERAL  
11A-22-9-16

22

## MONUMENT BUTTE FIELD

FEDERAL  
13-22-9-16

FEDERAL  
14-22-9-16

CASTLE  
PEAK U 6

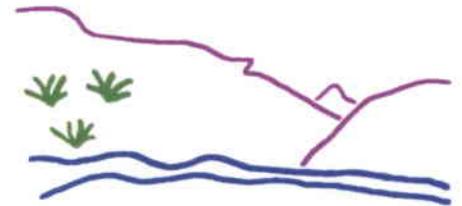
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 24-APRIL-2006

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

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

**Wells Status**

- 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
- DRILLING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 25, 2006

Newfield Production Company  
Route 3 Box 3630  
Myton, UT 84052

Re: Federal 11A-22-9-16 Well, 2007' FSL, 1783' FWL, NE SW, 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.

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 43-013-33149.

Sincerely,

Gil Hunt  
Associate Director

mf  
Enclosures

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



RECEIVED

APR 19 2006

BLM VERNAL, UTAH

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

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 11A-22-9-16

9. API Well No.  
43-013-33149

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SW 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  
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/SW 2007' FSL 1783' FWL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 24.6 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. 633' f/lse, NA f/unit

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. Approx. 1735'

19. Proposed Depth  
5925'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5867' GL

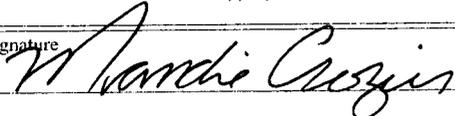
22. Approximate date work will start\*  
3rd Quarter 2006

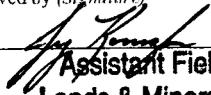
23. Estimated duration  
Approximately seven (7) days from spud to rig release.

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  Name (Printed/Typed) Mandie Crozier Date 4/18/06  
Title Regulatory Specialist

Approved by (Signature)  Name (Printed/Typed) Jerry Kavela Date 3-12-2007  
Title Assistant Field Manager Office VERNAL FIELD OFFICE  
Lands & Mineral Resources

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 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 16 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING



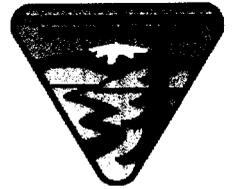
No NOS

07BM4739A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company      **Location:** NESW, Sec 22, T9S, R16E  
**Well No:** Federal 11A-22-9-16      **Lease No:** UTU-74392  
**API No:** 43-013-33149      **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
<b>After Hours Contact Number:</b>	<b>435-781-4513</b>	<b>Fax:</b> 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- Location Construction (Notify Chuck Macdonald) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Chuck Macdonald) - Prior to moving on the drilling rig.
- Spud Notice (Notify Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify Petroleum Engineer) - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**LEASE STIPULATIONS AND NOTICES**

- Lease Notices from RMP: Lessee/operator is given notice the area has been identified as containing Golden Eagle and Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and Ferruginous Hawk and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Comments:
  1. None of the suspected species (or their burrows or nests) was identified on or near the location.

**CONDITIONS OF APPROVAL**

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.

- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

Crested wheatgrass ( <i>Agropyron cristatum</i> ):	4 lbs/acre
Needle and Threadgrass ( <i>Hesperostipa comata</i> ):	4 lbs/acre
Indian Ricegrass ( <i>Achnatherum hymenoides</i> ):	4 lbs/acre

- All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.

- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. Production casing cement shall be brought up and into the surface.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location ( $\frac{1}{4}$ / $\frac{1}{4}$ , Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
  16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
  17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
  18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

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 11A-22-9-16**

9. API Well No.  
**43-013-33149**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT.**

**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)  
**2007 FSL 1783 FWL NE/SW Section 22, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <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 4/25/06 (expiration 4/25/07).

This APD was approved by the BLM on 3/12/07.

Approved by the  
Utah Division of  
Oil, Gas and Mining

DATE 4-10-07  
RM

Date: 04-09-07  
By: [Signature]

RECEIVED  
APR 09 2007

14. I hereby certify that the foregoing is true and correct  
Signed Mandie Crozier Title Regulatory Specialist Date 4/4/2007  
Mandie Crozier

DIV. OF OIL, GAS & MINING

CC: UTAH DOGM  
(This space for Federal or State office use)  
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:  
CC: Utah DOGM

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

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

**API:** 43-013-33149  
**Well Name:** Federal 11A-22-9-16  
**Location:** NE/SW Section 22,T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 4/25/2006

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

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

Mandi Cozies  
Signature

4/4/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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**APR 09 2007**  
DIV. OF OIL, GAS & MINING

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: Newfield Production Company

Well Name: Federal 11A-22-9-16

API No: 43-013-33149 Lease Type: Federal

Section 10 Township 09S Range 22E County Uintah

Drilling Contractor NDSI Rig # NS#1

### **SPUDDED:**

Date 5-15-07

Time 12:00 PM

How Dry

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

Reported by Jim

Telephone # 435-823-2072

Date 5-15-07 Signed RM

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. N2895

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	12187	4301333264	Hawkeye FEDERAL I-26-B-16	SENE	26	8S	16E	DUCHESNE	5/11/2007	5/30/07
WELL 1 COMMENTS: B HL = C NE/4 GRUV											
A	99999	16132	4301333100	FEDERAL 6-19-9-16	SENW	19	9S	16E	DUCHESNE	5/13/2007	5/30/07
GRUV											
A	99999	16133	4301333148	FEDERAL 13-22-9-16	SWSW	22	9S	16E	DUCHESNE	5/13/2007	5/30/07
GRUV											
A	99999	16134	4301333165	FEDERAL 16-21-9-16	SESE	21	9S	16E	DUCHESNE	5/13/2007	5/30/07
GRUV											
A	99999	16135	4301333110	FEDERAL 10-21-9-16	NWSE	21	9S	16E	DUCHESNE	5/13/2007	5/30/07
WELL 4 COMMENTS: GRUV											
A	99999	16136	4301333149	FEDERAL 11A-22-9-16	NESE	22	9S	16E	DUCHESNE	5/16/2007	5/30/07
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - 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.

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MAY 16 2007

DIV. OF OIL, GAS & MINING

Signature Jenri Park  
Production Clerk April 18, 2007  
Date

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.

**SUBMITTER INFORMATION - Office Use Only (Form 3160-5) (Rev. 10/01)**

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    (include area code)  
                   435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 2007 FSL 1783 FWL  
 NESW Section 22 T9S R16E

5. Lease Serial No.  
 USA UTU-74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.  
 FEDERAL 11A-22-9-16

9. API Well No.  
 4301333149

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	<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	<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 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.)

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.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crazier	Title Regulatory Specialist
Signature <i>Mandie Crazier</i>	Date 07/19/2007

**THIS SPACE RESERVED FOR FEDERAL OR STATE OFFICIAL 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 any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**  
JUL 20 2007

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74392

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**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.

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 2007 FSL 1783 FWL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 22, T9S, R16E STATE: UT

8. WELL NAME and NUMBER:  
FEDERAL 11A-22-9-16

9. API NUMBER:  
4301333149

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

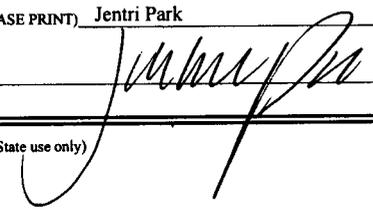
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<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"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input 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 FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/07/2007	<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/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<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.  
The above subject well was completed on 07/18/07, attached is a daily completion status report.

**RECEIVED**  
**AUG 14 2007**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE  DATE 08/07/2007

(This space for State use only)

**Daily Activity Report**

Format For Sundry

**FEDERAL 11A-22-9-16****5/1/2007 To 9/30/2007****7/10/2007 Day: 1****Completion**

Rigless on 7/9/2007 - nstall 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 183'. Perforate stage #1. CP5 sds @ 5601-18' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. 139 BWTR. SIFN.

---

**7/12/2007 Day: 2****Completion**

Rigless on 7/11/2007 - RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 50,556#'s of 20/40 sand in 495 bbls of Lightning 17 frac fluid. Open well w/ 5 psi on casing. Perfs broke down @ 3823 psi. Treated @ ave pressure of 1972 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2200. 634 bbls EWTR. Leave pressure on well. RU Lone Wlf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) & 12' perf gun. Set plug @ 5020'. Perforate A1 sds @ 4885-97' w/ 3-1/8" slick guns (23 gram, .43"HE, 90° ) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 70,631#'s of 20/40 sand in 616 bbls of Lightning 17 frac fluid. Open well w/ 1841 psi on casing. Perfs broke down @ 3881 psi. Treated @ ave pressure of 1959 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2160. 1250 bbls EWTR. Leave pressure on well. RIH w/ frac solid plug & 5' perf gun. Set plug @ 4605'. Perforate D1 ss @ 4490-95' w/ 4 spf for total of 20 shots. SIFN.

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**7/13/2007 Day: 3****Completion**

Rigless on 7/12/2007 - BJ broke down. RU BJ & frac stage #3 w/ 20,088#'s of 20/40 sand in 310 bbls of Lightning 17 frac fluid. Open well w/ 40 psi on casing. Perfs broke down @ 1608 psi. Treated @ ave pressure of 1769 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1908. 1560 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ flow through frac plug & 8' perf gun. Set plug @ 4060". Perforate GB4 sds @ 3940-48' w/ 4 spf for total of 32 shots. RU BJ & frac stage #4 w/ 42,107#'s of 20/40 sand in 394 bbls of Lightning 17 frac fluid. Open well w/ 1452 psi on casing. Perfs broke down @ 2449 psi. Treated @ ave pressure of 1555 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1470. 1954 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours w/ 210 bbls rec'd. SIFN.

---

**7/17/2007 Day: 4****Completion**

Western #2 on 7/16/2007 - Finish rig repairs. MIRU Western #2. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg to 2960'. SIFN W/ est 1744 BWTR.

---

**7/18/2007 Day: 5****Completion**

Western #2 on 7/17/2007 - Con't PU & TIH W/ bit and tbg f/ 2960'. Tag fill @ 4042'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4042', plug @ 4060' in 11 minutes; sd @ 4577', plug @ 4605' in 19 minutes; sd @ 4893', plug @ 5020' in 23 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5748'. PU swivel. Drill plug remains & sd to PBTD @ 5821'. Circ hole clean. Lost est 40 BW during cleanout. RD swivel. Pull EOT to 5773'. RU swab equipment. IFL @ sfc. Made 15 swb runs rec 144 BTF W/ light gas, tr oil & sm tr sd. FFL @ 1900'. SIFN W/ est 1630 BWTR.

---

7/19/2007 Day: 6

Completion

Western #2 on 7/18/2007 - Bleed pressure off well. TIH W/ tbg. Tag sd @ 5818' (3' new fill). C/O sd to PBTD @ 5821'. Circ hole clean. Lost est 25 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, 2 jts tbg, new CDI 5 1/2" TA (45K) & 179 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5564' W/ SN @ 5630' & EOT @ 5692'. Land tbg W/ 16,000# tension. NU wellhead. RU & flush tbg W/ 60 BW (returned same amount). PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 20' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 98-3/4" plain rods, 100-3/4" scraped rods, 1-8', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 26' 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 1655 BWTR. Place well on production @ 6:30 PM 7/18/2007 W/ 120" SL @ 5 SPM. FINAL REPORT!!

---

Pertinent Files: Go to File List

RECEIVED

AUG 14 2007

DIV. OF OIL, GAS & MINING

(Use 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, ALLOTTEE OR TRIBE NAME  
**NA**

1a. TYPE OF WORK

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

7. UNIT AGREEMENT NAME

**Federal**

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.

**Federal 11A-22-9-16**

2. NAME OF OPERATOR

**Newfield Exploration Company**

9. WELL NO.

**43-013-33149**

3. ADDRESS AND TELEPHONE NO.

**1401 17th St. Suite 1000 Denver, CO 80202**

10. FIELD AND POOL OR WILDCAT OR AREA

**Monument Butte**

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

At Surface **2007' FSL & 1783' FWL (NE/SW) 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. **43-013-33149** DATE ISSUED **04/25/07**

12. COUNTY OR PARISH  
**Duchesne**

13. STATE  
**UT**

15. DATE SPUDDED  
**05/15/07**

16. DATE T.D. REACHED  
**06/26/07**

17. DATE COMPL. (Ready to prod.)  
**07/18/07**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
**5867' GL 5879' KB**

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

**5840'**

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

**5821'**

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 3940'-5618'**

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#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5843'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5692'	TA @ 5564'

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5601'-5618'	.49"	4/68	5601'-5618'	Frac w/ 50,556# 20/40 sand in 495 bbls fluid
(A1) 4885'-4897'	.43"	4/48	4885'-4897'	Frac w/ 70,631# 20/40 sand in 616 bbls fluid
(D1) 4490'-4495'	.43"	4/20	4490'-4495'	Frac w/ 20,088# 20/40 sand in 310 bbls fluid
(GB4) 3940'-3948'	.43"	4/32	3940'-3948'	Frac w/ 42,107# 20/40 sand in 394 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
07/18/07	2-1/2" x 1-1/2" x 20' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PRODN. FOR TEST PERIOD	OIL--BBL	GAS--MCF	WATER--BBL	GAS-OIL RATIO
10 day ave			----->	27	6	84	222
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 all available records

SIGNED

*Jenfr Park*  
Jenfr Park

TITLE

**Production Clerk**

DATE

**8/15/2007**

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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
			Well Name Federal 11A-22-9-16	Garden Gulch Mkr	3481'	
				Garden Gulch 1	3676'	
				Garden Gulch 2	3784'	
				Point 3 Mkr	4026'	
				X Mkr	4297'	
				Y-Mkr	4330'	
				Douglas Creek Mkr	4446'	
				BiCarbonate Mkr	4681'	
				B Limestone Mkr	4780'	
				Castle Peak	5302'	
				Basal Carbonate	5748'	
				Total Depth (LOGGERS)	5845'	



# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: July 18, 2007 Day: 05  
 Operation: Completion Rig: Western #2

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBDT: 5821'  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5773' BP/Sand PBDT: 5821'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 17, 2007 SITP: \_\_\_\_\_ SICP: 0

Con't PU & TIH W/ bit and tbg f/ 2960'. Tag fill @ 4042'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4042', plug @ 4060' in 11 minutes; sc @ 4577', plug @ 4605' in 19 minutes; sd @ 4893', plug @ 5020' in 23 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5748'. PU swivel. Drill plug remains & sd to PBDT @ 5821'. Circ hole clean. Lost est 40 BW during cleanout RD swivel. Pull EOT to 5773'. RU swab equipment. IFL @ sfc. Made 15 swb runs rec 144 BTF W/ light gas, tr oil & sm tr sd. FFL @ 1900'. SIFN W/ est 1630 BWTR.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 114 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1630 Cum oil recovered: \_\_\_\_\_  
 IFL: sfc FFL: 1900' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: tr

### STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

Western #2 rig	\$5,654
Weatherford BOP	\$250
NDSI wtr disposal	\$4,000
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: \$10,809  
 TOTAL WELL COST: \$601,012

# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: July 17, 2007 Day: 04  
 Operation: Completion Rig: Western #2

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 2960' BP/Sand PBTD: 4060'  
 Plug 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: July 16, 2007 SITP: \_\_\_\_\_ SICP: 0

Finish rig repairs. MIRU Western #2. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub 8 new 2 7/8 8rd 6.5# J-55 tbg to 2960'. SIFN W/ est 1744 BWTR.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1744 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

Western #2 rig	\$2,940
Weatherford BOP	\$250
Liddell trucking	\$1,000
NPC trucking	\$600
NDSI wtr & truck	\$400
Unichem chemicals	\$300
NPC sfc equipment	\$130,000
Boren labor/welding	\$19,500
Mt. West sanitation	\$300
NPC location cleanup	\$300
Monks pit reclaim	\$1,800
Nabors swivel	\$750
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: \$158,440  
 TOTAL WELL COST: \$590,203

# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: 13-Jul-07 Day: 3b  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4060'  
 Plug 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jul-07 SITP: \_\_\_\_\_ SICP: 1452

Day3b.

RU WLT. RIH w/ flow through frac plug & 8' perf gun. Set plug @ 4060". Perforate GB4 sds @ 3940-48' w/ 4 spf for total of 32 shots. RU BJ & frac stage #4 w/ 42,107#'s of 20/40 sand in 394 bbls of Lightning 17 frac fluid. Open well w/ 1452 psi on casing. Perfs broke down @ 2449 psi. Treated @ ave pressure of 1555 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1470. 1954 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours w/ 210 bbls rec'd SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1954 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 210 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1744 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: GB4 sds down casing  
1554 gals of 767W & to cross link  
3192 gals of pad  
2500 gals w/ 1-5 ppg of 20/40 sand  
5396 gals w/ 5-8 ppg of 20/40 sand  
Flush w/ 3906 gals of slick water

### COSTS

Weatherford Services	\$2,300
C-D trkg frac water	\$880
NPC fuel gas	\$120
BJ Services A1 sds	\$21,983
Lone Wolf A1 sds	\$4,500
C-D trkg water transfer	\$500

Max TP: 1735 Max Rate: 24.8 Total fluid pmpd: 394 bbls  
 Avg TP: 1555 Avg Rate: 24.8 Total Prop pmpd: 42,107#'s  
 ISIP: 1470 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .81

Completion Supervisor: Ron Shuck

DAILY COST: \$30,283  
 TOTAL WELL COST: \$431,763

# NEWFIELD



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16      **Report Date:** 13-Jul-07      **Day:** 3a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 5843'      **Csg PBTD:** 5794' WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4605'  
Plug 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>	_____	_____	_____
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 13-Jul-07      **SITP:** \_\_\_\_\_ **SICP:** 40

Day3a.

BJ broke down. RU BJ & frac stage #3 w/ 20,088#'s of 20/40 sand in 310 bbls of Lightning 17 frac fluid. Open well w/ 40 psi on casing. Perfs broke down @ 1608 psi. Treated @ ave pressure of 1769 @ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1908. 1560 bbls EWTR. Leave pressure or well. **See day3b.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1250      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 310      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1560      **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:** D1 sds down casing  
1890 gals of 767W & to cross link  
1974 gals of pad  
1511 gals w/ 1-4 ppg of 20/40 sand  
3151 gals w/ 4-6.5 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 3990 gals of slick water

### COSTS

<u>Weatherford Services</u>	<u>\$3,300</u>
<u>C-D trkg frac water</u>	<u>\$440</u>
<u>NPC fuel gas</u>	<u>\$60</u>
<u>BJ Services D1 sds</u>	<u>\$6,209</u>
<u>Lone Wolf D1 sds</u>	<u>\$4,329</u>
<u>NPC Supervisor</u>	<u>\$300</u>

**\*\*Flush called @ blender to include 2 bbls pump/line voume\*\***

**Max TP:** 1998      **Max Rate:** 24.8      **Total fluid pmpd:** 310 bbls  
**Avg TP:** 1769      **Avg Rate:** 24.8      **Total Prop pmpd:** 20,088#'s  
**ISIP:** 1908      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .86

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$14,638  
**TOTAL WELL COST:** \$401,480

# NEWFIELD



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16      **Report Date:** 12-Jul-07      **Day:** 2b  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 5843'      **Csg PBTD:** 5794' WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4605'  
**Plug** 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>	_____	_____	_____
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 11-Jul-07      **SITP:** \_\_\_\_\_ **SICP:** 1841

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) & 12' per gun. Set plug @ 5020'. Perforate A1 sds @ 4885-97' w/ 3-1/8" slick guns (23 gram, .43"HE, 90 ) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 70,631#'s of 20/40 sand in 616 bbls of Lightning 17 frac fluid. Open well w/ 1841 psi on casing. Perfs broke down @ 3881 psi. Treated @ ave pressure of 1959 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2160. 1250 bbls EWTR. Leave pressure or well. RIH w/ frac solid plug & 5' perf gun. Set plug @ 4605'. Perforate D1 ss @ 4490-95' w/ 4 spf for total of 20 shots SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 634      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 616      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1250      **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:** A1 sds down casing  
1596 gals of 767W & to cross link  
5376 gals of pad  
3625 gals w/ 1-5 ppg of 20/40 sand  
7250 gals w/ 5-8 ppg of 20/40 sand  
3111 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4410 gals of slick water  
**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***  
**Max TP:** 2253      **Max Rate:** 24.8      **Total fluid pmpd:** 616 bbls  
**Avg TP:** 1959      **Avg Rate:** 24.8      **Total Prop pmpd:** 70,631#'s  
**ISIP:** 2160      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .88  
**Completion Supervisor:** Ron Shuck

### COSTS

<u>Weatherford Services</u>	<u>\$2,300</u>
<u>C-D trkg frac water</u>	<u>\$1,560</u>
<u>NPC fuel gas</u>	<u>\$200</u>
<u>BJ Services A1 sds</u>	<u>\$14,966</u>
<u>Lone Wolf A1 sds</u>	<u>\$4,500</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
<b>DAILY COST:</b>	<u>\$23,526</u>
<b>TOTAL WELL COST:</b>	<u>\$386,842</u>



# NEWFIELD



## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: 10-Jul-07 Day: 1  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Jul-07 SITP: \_\_\_\_\_ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 183'. Perforate stage #1. CP5 sds @ 5601-18' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. 139 BWTR. SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 139 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

Weatherford BOP	\$450
NPC NU crew	\$300
NDSI trucking	\$800
Perforators LLC	\$6,608
Drilling cost	\$321,602
Action hot oil	\$420
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: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Orson Barney

DAILY COST: \$336,480  
 TOTAL WELL COST: \$336,480

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

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

**1a. TYPE OF WORK**

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

**1b. TYPE OF WELL**

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

**2. NAME OF OPERATOR**

Newfield Exploration Company

**3. ADDRESS AND TELEPHONE NO.**

1401 17th St. Suite 1000 Denver, CO 80202

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

At Surface 2007' FSL & 1783' FWL (NE/SW) Sec. 22, T9S, R16E  
At top prod. Interval reported below

**At total depth**

14. API NO. 43-013-33149 DATE ISSUED 04/25/07

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 05/15/07 16. DATE T.D. REACHED 06/26/07 17. DATE COMPL. (Ready to prod.) 07/18/07 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5867' GL 5879' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5840' 21. PLUG BACK T.D., MD & TVD 5821' 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 3940'-5618' 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, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5843'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

**29. LINER RECORD**      **30. TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						5692'	5564'

**31. PERFORATION RECORD (Interval, size and number)**      **32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.**

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5601'-5618'	.49"	4/68	5601'-5618'	Frac w/ 50,556# 20/40 sand in 495 bbls fluid
(A1) 4885'-4897'	.43"	4/48	4885'-4897'	Frac w/ 70,631# 20/40 sand in 616 bbls fluid
(D1) 4490'-4495'	.43"	4/20	4490'-4495'	Frac w/ 20,088# 20/40 sand in 310 bbls fluid
(GB4) 3940'-3948'	.43"	4/32	3940'-3948'	Frac w/ 42,107# 20/40 sand in 394 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 07/18/07	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 20' RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL.S. 27	GAS--MCF. 6	WATER--BBL. 84	GAS-OIL RATIO 222
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 all available records  
SIGNED Jentri Park TITLE Production Clerk DATE 8/15/2007

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
			Well Name Federal 11A-22-9-16	Garden Gulch Mkr	3481'	
				Garden Gulch 1	3676'	
				Garden Gulch 2	3784'	
				Point 3 Mkr	4026'	
				X Mkr	4297'	
				Y-Mkr	4330'	
				Douglas Creek Mkr	4446'	
				BiCarbonate Mkr	4681'	
				B Limestone Mkr	4780'	
				Castle Peak	5302'	
				Basal Carbonate	5748'	
				Total Depth (LOGGERS)	5845'	



June 14, 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 #11A-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 #11A-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", written over a horizontal line.

Eric Sundberg  
Regulatory Lead

RECEIVED  
JUN 18 2012  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #11A-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**JUNE 14, 2012**

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# Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

### PRODUCTION CASING

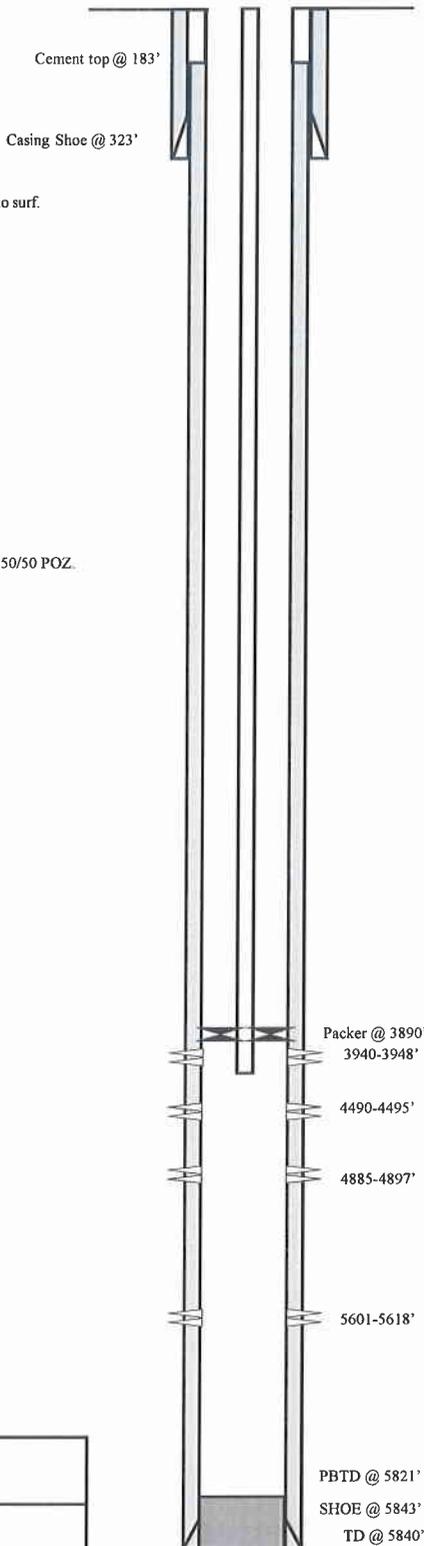
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jnts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jnts (5538.8')  
 TUBING ANCHOR: 5538.8' KB  
 NO. OF JOINTS: 2 jnts (63.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5604.8' KB  
 NO. OF JOINTS: 2 jnts (60.4')  
 TOTAL STRJNG LENGTH: BOT @ 5667' KB

### FRAC JOB

7-9-07	5601-5618'	<b>Frac CP5 sands as follows:</b> 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.
7-11-07	4885-4897'	<b>Frac A1 sands as follows:</b> 7063 1# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 4883 gal. Actual flush: 4410 gal.
7-13-07	4490-4495'	<b>Frac D1 sands as follows:</b> 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.
7-13-07	3940-3948'	<b>Frac GB4 sands as follows:</b> 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush. 3906 gal.
06/25/08		Workover. Rod & Tubing detail updated.
1/18/2010		Tubing leak. Updated rod and tubing detail.



### PERFORATION RECORD

7-9-07	5601-5618'	4 JSFP	68 holes
7-18-07	4885-4897'	4 JSFP	48 holes
7-11-07	4490-4495'	4 JSFP	20 holes
7-13-07	3940-3948'	4 JSFP	32 holes

**NEWFIELD**

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**Federal 11A-22-9-16**  
 2007' FSL & 1783' FWL  
 NE/SW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33149; 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 #11A-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 #11A-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3783' - 5821'). 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 5840'.
  
  - 2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #11A-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 323' KB, and 5-1/2", 15.5# casing run from surface to 5843' 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 1444 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 #11A-22-9-16, for existing perforations (3940' - 5618') calculates at 0.81 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 1444 psig. We may add additional perforations between 3462' and 5840'. 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 #11A-22-9-16, the proposed injection zone (3783' - 5821') 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.

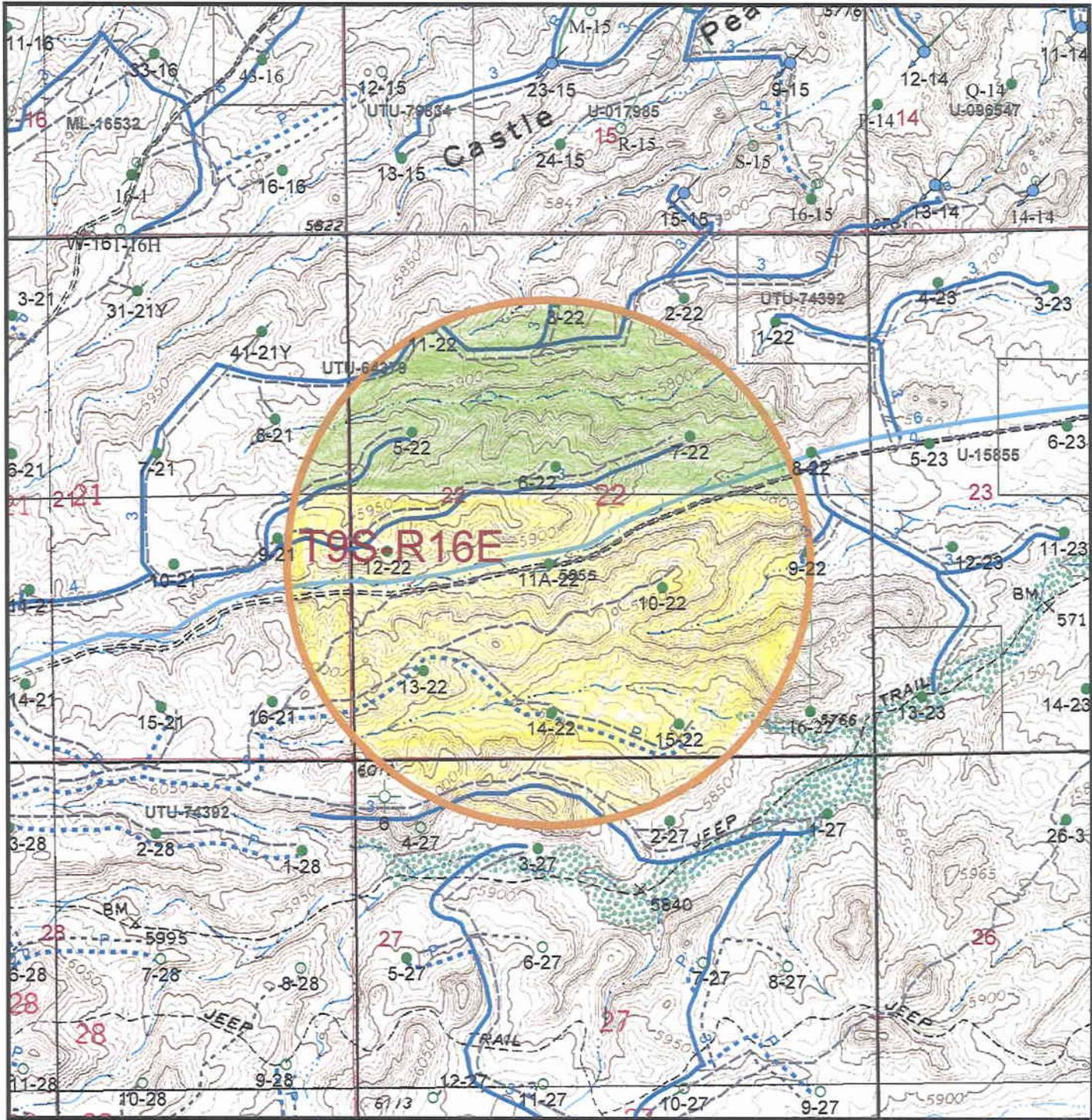
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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



**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

**Countyline**

**Injection system**

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

**Leases**

**Mining tracts**

UTU-74392

UTU-64379

Federal 11A-22  
Section 27, T9S-R16E

**NEWFIELD**

ROCKY MOUNTAINS 1 in = 1,500 feet

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

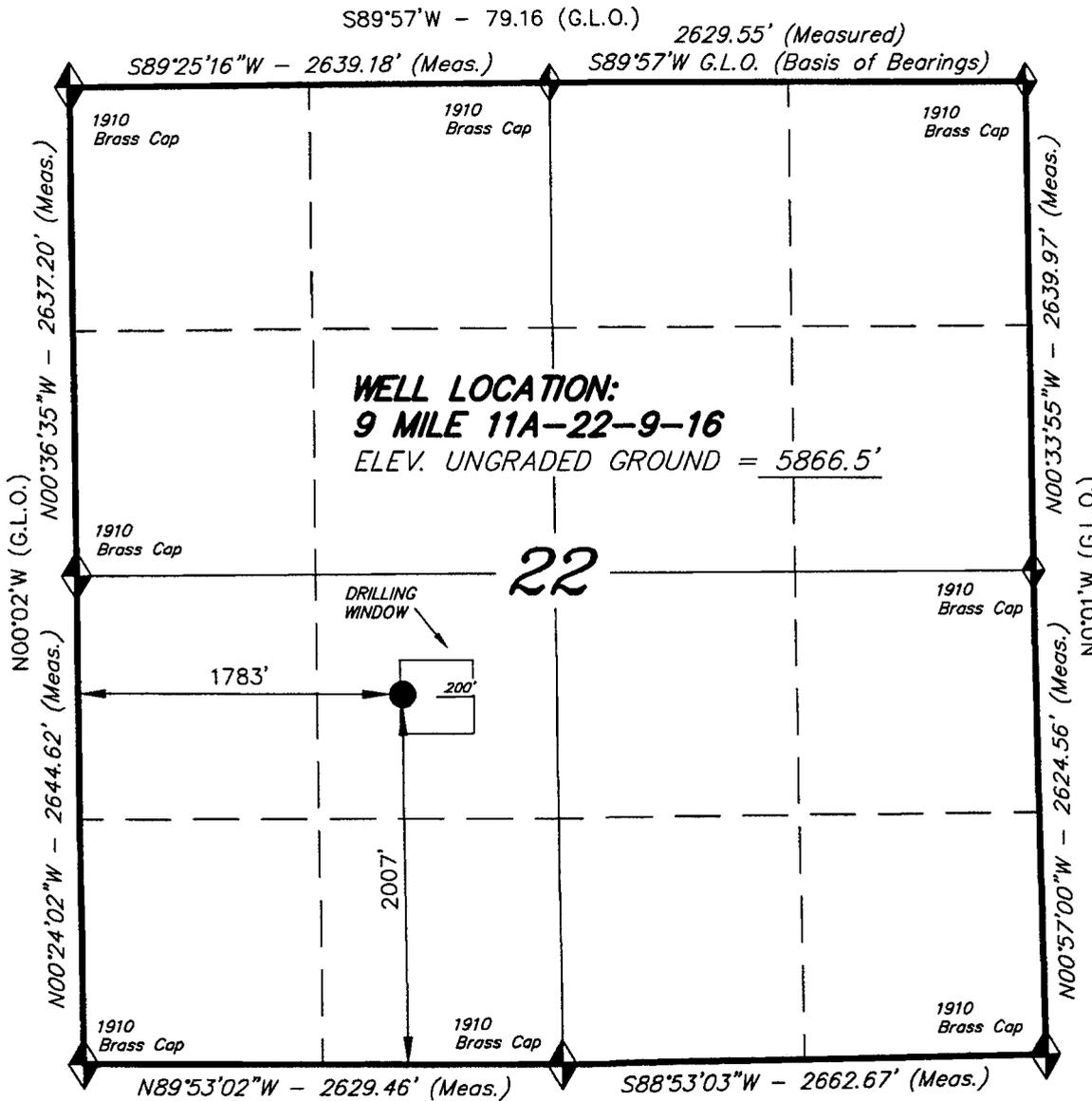
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

May 2, 2012

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

**NEWFIELD PRODUCTION COMPANY**

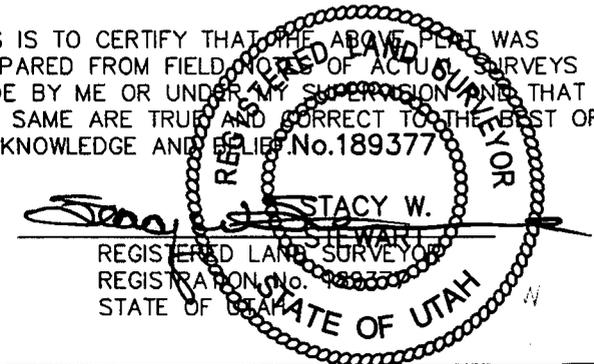
WELL LOCATION, 9 MILE 11A-22-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SW  
 1/4 OF SECTION 22, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



**WELL LOCATION:**  
**9 MILE 11A-22-9-16**  
 ELEV. UNGRADED GROUND = 5866.5'



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



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

**9 MILE 11A-22-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 00' 52.44"  
 LONGITUDE = 110° 06' 30.40"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 03-29-06	SURVEYED BY: C.M.
DATE DRAWN: 03-31-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**EXHIBIT B**

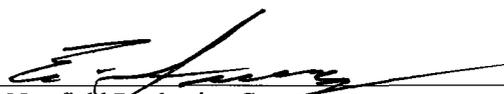
#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: ALL Section 28: ALL	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc OXY Y-1 Company Yates Petroleum Coporation	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #11A-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 14<sup>th</sup> day of June, 2012.

Notary Public in and for the State of Colorado: Candice L. Twitty

My Commission Expires

My Commission Expires: 02/10/2013



## Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

Initial Production: BOPD,  
 MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' 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: 134 jts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'

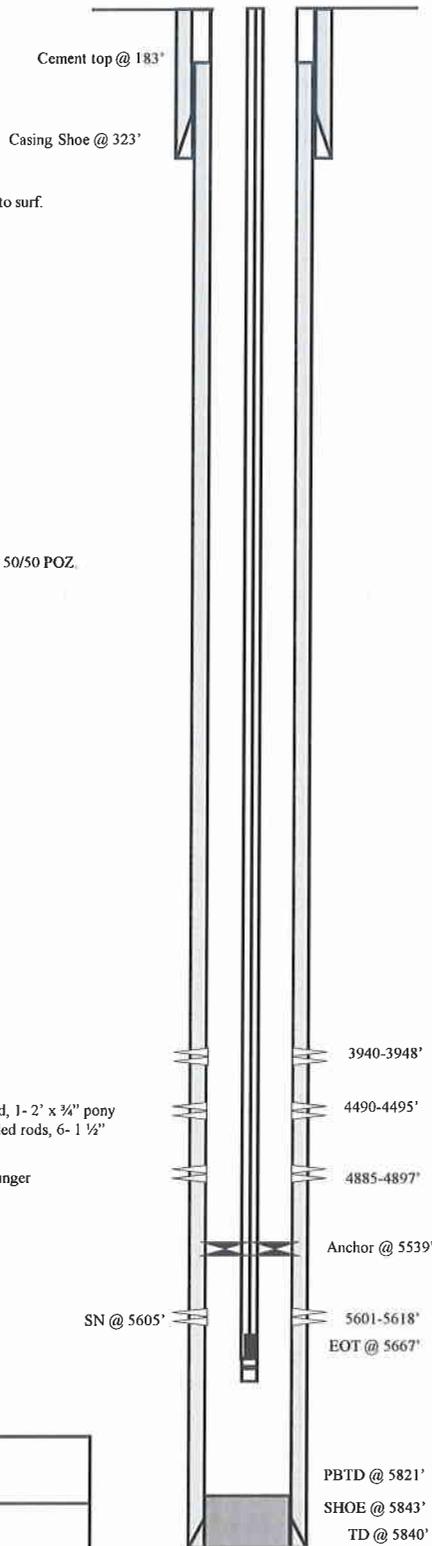
### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 178 jts (5538.8')  
 TUBING ANCHOR: 5538.8' KB  
 NO. OF JOINTS: 2 jts (63.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5604.8' KB  
 NO. OF JOINTS: 2 jts (60.4')  
 TOTAL STRING LENGTH: EOT @ 5667' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1- 8' x 3/4" pony rod, 1- 4' x 3/4" pony rod, 1- 2' x 3/4" pony rod, 100- 3/4" guided rods, 52- 3/4" guided rods, 66- 3/4" guided rods, 6- 1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC w/SM plunger  
 STROKE LENGTH: 120  
 PUMP SPEED, SPM: 5

### Wellbore Diagram



### FRAC JOB

7-9-07	5601-5618'	<b>Frac CP5 sands as follows:</b> 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.
7-11-07	4885-4897'	<b>Frac A1 sands as follows:</b> 70631# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 2160 psi. Calc flush: 48831 gal. Actual flush: 4410 gal.
7-13-07	4490-4495'	<b>Frac D1 sands as follows:</b> 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8 BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.
7-13-07	3940-3948'	<b>Frac GB4 sands as follows:</b> 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush: 3906 gal.
06/25/08		Workover. Rod & Tubing detail updated.
1/18/2010		Tubing leak. Updated rod and tubing detail.

### PERFORATION RECORD

7-9-07	5601-5618'	4 JSPF	68 holes
7-18-07	4885-4897'	4 JSPF	48 holes
7-11-07	4490-4495'	4 JSPF	20 holes
7-13-07	3940-3948'	4 JSPF	32 holes

**NEWFIELD**

---

**Federal 11A-22-9-16**

2007' FSL & 1783' FWL  
 NE/SW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33149; Lease #UTU-74392

## Federal 5-22-9-16

Spud Date: 3-18-08  
 Put on Production 5-9-08  
 GL: 5918' KB: 5930'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (307.89')  
 DEPTH LANDED: 317.89'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbls to surf'

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5922.15')  
 DEPTH LANDED: 5920.15'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II & 400 sxs 50/50 POZ  
 CEMENT TOP AT: 114' per CBL 4/29/08

### TUBING (GI 10/6/09)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167 jts (5256.2')  
 TUBING ANCHOR: 5268.2'  
 NO. OF JOINTS: 2 jts (62.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5331.1' KB  
 NO. OF JOINTS: 2 jts (62.8')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 5397'

### SUCKER RODS (GI 10/6/09)

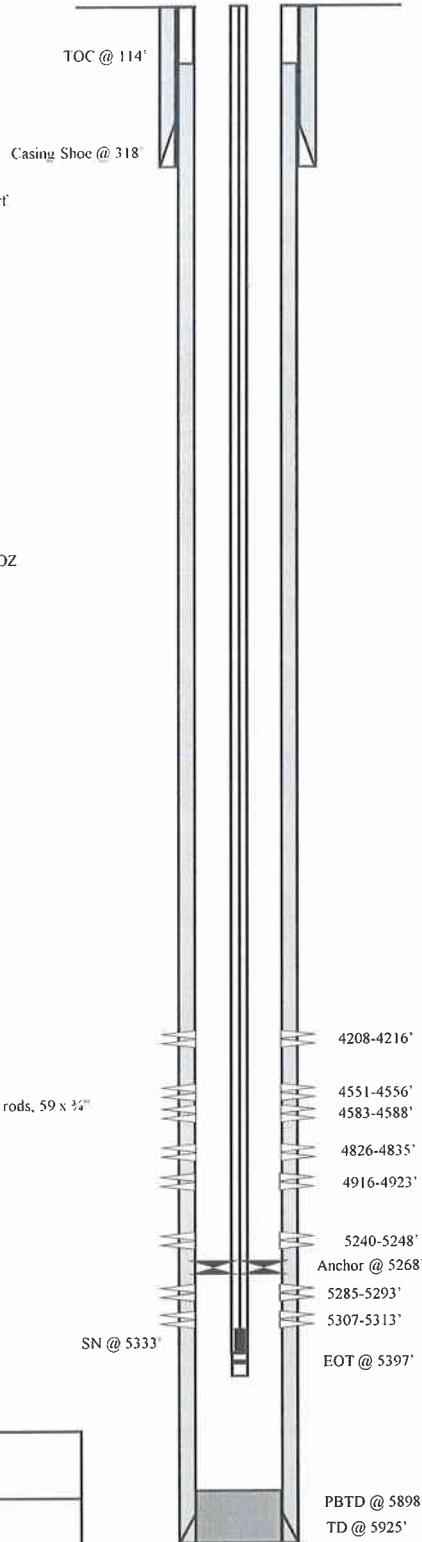
POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 2', 6', 6' x 3/4" pony rods, 99 x 3/4" guided rods, 59 x 3/4" guided rods, 48 x 3/4" guided rods, 6 x 1-1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" x 15" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: SPM 6  
 PUMPING UNIT: WEATHERFORD C-228-213-86

### FRAC JOB

05-06-08 5307-5313' RU BJ & frac LODOC sds as follows:  
 99,254# 20/40 sand in 750 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2444 w/ ave rate of 28.6 bpm w/ 8 ppg of sand. ISIP was 2669. Actual Flush: 4746 gal.  
 05-06-08 4916-4923' RU BJ & frac stage #2 as follows:  
 19,006# 20/40 sand in 304 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2172 w/ ave rate of 23.4 bpm w/ 6.5 ppg of sand. ISIP was 2395. Actual Flush: 4452 gal.  
 05-06-08 4826-4835' RU BJ & frac stage #3 as follows:  
 29,485# 20/40 sand in 377 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1724 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 1676. Actual Flush: 4326 gal.  
 05-06-08 4551-4556' RU BJ & frac stage #4 as follows:  
 19,618# 20/40 sand in 297 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1788 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 1868. Actual Flush: 4074 gal.  
 05-06-08 4208-4216' RU BJ & frac stage #5 as follows:  
 24,768# 20/40 sand in 330 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2518 w/ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP was 2984. Actual Flush: 4116 gal.

10/7/09

Tubing Leak. Updated rod & tubing details.



### PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
04-24-08	5307-5313'	4 JSPF	24 holes
04-30-08	5285-5293'	4 JSPF	32 holes
04-30-08	5240-5248'	4 JSPF	32 holes
04-30-08	4916-4923'	4 JSPF	28 holes
04-30-08	4826-4835'	4 JSPF	36 holes
04-30-08	4583-4588'	4 JSPF	20 holes
04-30-08	4551-4556'	4 JSPF	20 holes
04-30-08	4208-4216'	4 JSPF	32 holes



**Federal 5-22-9-16**  
 1989' FNL & 613' FWL  
 SW/NW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33025; Lease # UTU-64379

# Federal 12-22-9-16

Spud Date: 4/28/2009  
 Put on Production: 7/22/2009  
 GL: 5966' KB: 5978'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (275')  
 HOLE SIZE: 12-1/4"  
 DEPTH LANDED: 326' KB  
 CEMENT DATA 160 sx class 'G' cmt

### PRODUCTION CASING

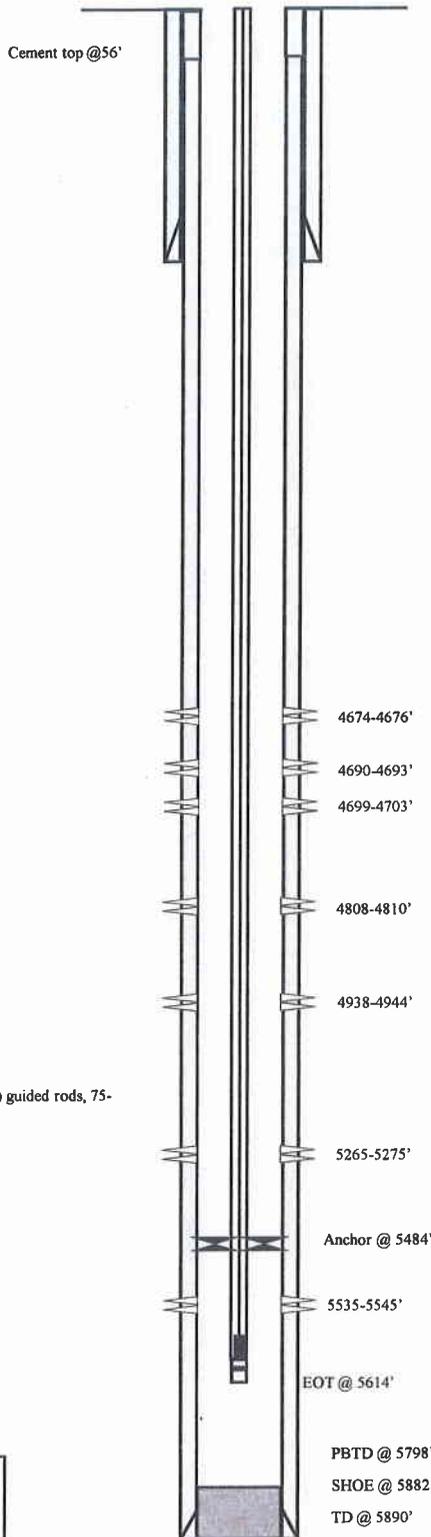
CSG SIZE 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148 jts (5828')  
 HOLE SIZE 7 7/8"  
 DEPTH LANDED 5881 89'  
 CEMENT DATA 275 sx Prem Lite and 401 sx 50/50 poz  
 CEMENT TOP AT: 56'

### TUBING

SIZE/GRADE/WT : 2-7/8" / J-55  
 NO OF JOINTS: 174jts (5389')  
 TUBING ANCHOR: 5484' KB  
 NO OF JOINTS 2 jts (62.9')  
 SEATING NIPPLE: 2-7/8" (1 1')  
 SN LANDED AT: 5549' KB  
 NO OF JOINTS: 2 jts (63 1')  
 TOTAL STRING LENGTH EOT @ 5614'

### SUCKER RODS

POLISHED ROD 1 1/2" X 26' polished rod  
 SUCKER RODS 1-4", 6', 8' x 3/4" pony rod, 100- 1/4" (4 per) guided rods, 75- 1/4" sucker rods, 40- 3/4" guided rods, 6-1 1/2" sinker bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 19 1/2' RHAC pump  
 STROKE LENGTH: ?"  
 PUMP SPEED, SPM ?



### FRAC JOB

7-23-09 5535-5545' Frac CP3 sands as follows:  
 Frac with 34,344# 20/40 sand in 249 bbls of Lightning 17 fluid

7-23-09 5265-5275' Frac LODC sands as follows:  
 Frac with 65,879# 20/40 sand in 147 bbls of Lightning 17 fluid

7-23-09 4808-4944' Frac A3 & B2 sands as follows:  
 Frac with 34,625# 20/40 sand in 285 bbls of Lightning 17 fluid

7-23-09 4674-4703' Frac C sands as follows:  
 Frac with 34344# 20/40 sand in 249 bbls of Lightning 17 fluid

03/16/2011 Tubing Leak Rod & tubing deetail updated

### PERFORATION RECORD

5535-5545'	3 JSPF	30 holes
5265-5275'	3 JSPF	30 holes
4938-4944'	3 JSPF	18 holes
4808-4810'	3 JSPF	6 holes
4699-4703'	3 JSPF	12 holes
4690-4693'	3 JSPF	9 holes
4674-4676'	3 JSPF	6 holes

**NEWFIELD**

**Federal 12-22-9-16**

2113' FSL & 349' FWL NW/SW  
 Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33586; Lease # UTU-74392

## Federal 13-22-9-16

Spud Date: 5-9-2007  
Put on Production: 6-25-2007

Initial Production: BOPD.  
MCFD, BWPD

GL: 5994' KB: 6006'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (302.02')  
DEPTH LANDED: 313.87' 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: 134 jts (5879.22')  
DEPTH LANDED: 5892.47' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP AT: 60'

#### TUBING

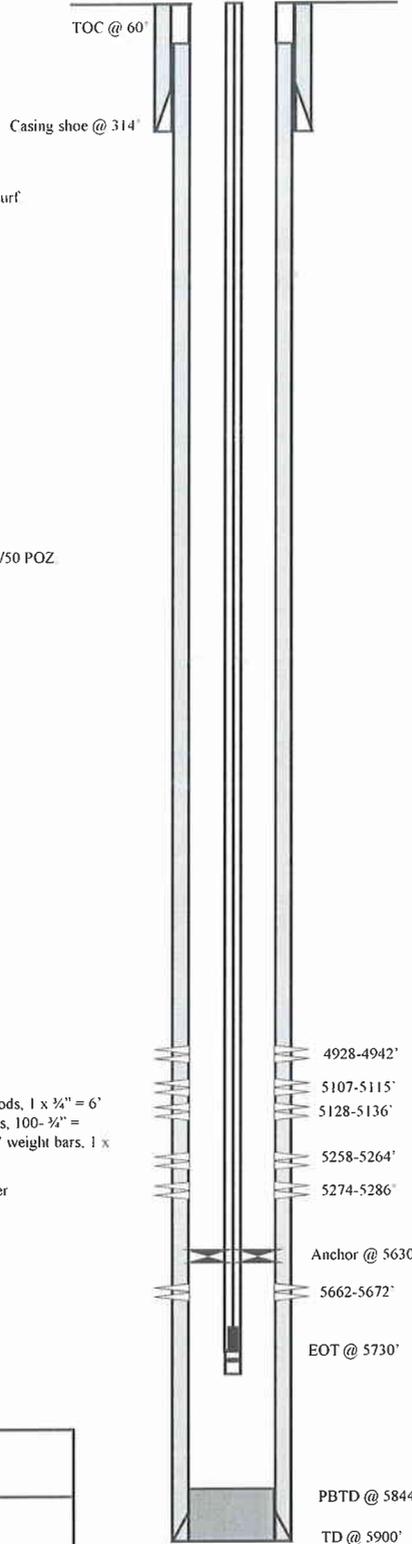
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 179 jts (5630.4')  
TUBING ANCHOR: 5630.4' KB  
NO OF JOINTS: 1 jts (31.60')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5664.8' KB  
NO OF JOINTS: 2 jts (63.3')  
TOTAL STRING LENGTH: EOT @ 5730'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1 X 3/4" = 2' pony rods, 1 X 3/4" = 4' pony rods, 1 X 3/4" = 6' pony rods, 1 X 1/2" = 8' pony rods, 99-3/4" = 2475' guided rods, 100-3/4" = 2500' sucker rods, 20-3/4" = 500' guided rods, 6-1 1/2" = 150' weight bars, 1 X 1" = 4' stabilizer rod  
PUMP SIZE: 2-1/2" x 1-1/4" x 12 x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

#### FRAC JOB

06-19-07	5662-5672'	<b>Frac CP5 sands as follows:</b> 41156# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 21.8 BPM. ISIP 2175 psi. Calc flush: 5660 gal. Actual flush: 5158 gal.
06-19-07	5258-5286'	<b>Frac LODC sands as follows:</b> 79611# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 2528 psi w/avg rate of 21.8 BPM. ISIP 2750 psi. Calc flush: 5256 gal. Actual flush: 4788 gal.
06-18-07	5107-5136'	<b>Frac LODC sands as follows:</b> 55106# 20/40 sand in 451 bbls Lightning 17 frac fluid. Treated @ avg press of 2838 psi w/avg rate of 24.7 BPM. ISIP 3235 psi. Calc flush: 5105 gal. Actual flush: 4620 gal.
06-19-07	4928-4942'	<b>Frac A1 sands as follows:</b> 59043# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1937 psi w/avg rate of 24.7 BPM. ISIP 2260 psi. Calc flush: 4926 gal. Actual flush: 4872 gal.
08/27/07	Pump Change	Rod & Tubing detail unchanged
5/29/08	Stuck pump	Rod & Tubing detail updated
1/31/09	Pump Change	Updated r & t detail
3/16/2011	Pump Change	Updated rod & tubing detail



#### PERFORATION RECORD

06-18-07	5662-5672'	4 JSPF	40 holes
06-19-07	5274-5286'	4 JSPF	48 holes
06-19-07	5258-5264'	4 JSPF	24 holes
06-19-07	5128-5136'	4 JSPF	32 holes
06-19-07	5103-5110'	4 JSPF	32 holes
06-19-07	4928-4942'	4 JSPF	56 holes



**Federal 13-22-9-16**  
906' FSL & 702' FWL  
SW/SW Section 22-T9S-R16E  
Duchesne Co, Utah  
API # 43-013-33148; Lease # UTU-74392

Spud Date: 4-25-07  
 Put on Production: 6-22-07  
 GL: 5894' KB 5906'

## Fed. #14-22-9-16

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (309.02')  
 DEPTH LANDED 320.87' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA To surface with 160 sx Class "G" cmt

#### PRODUCTION CASING

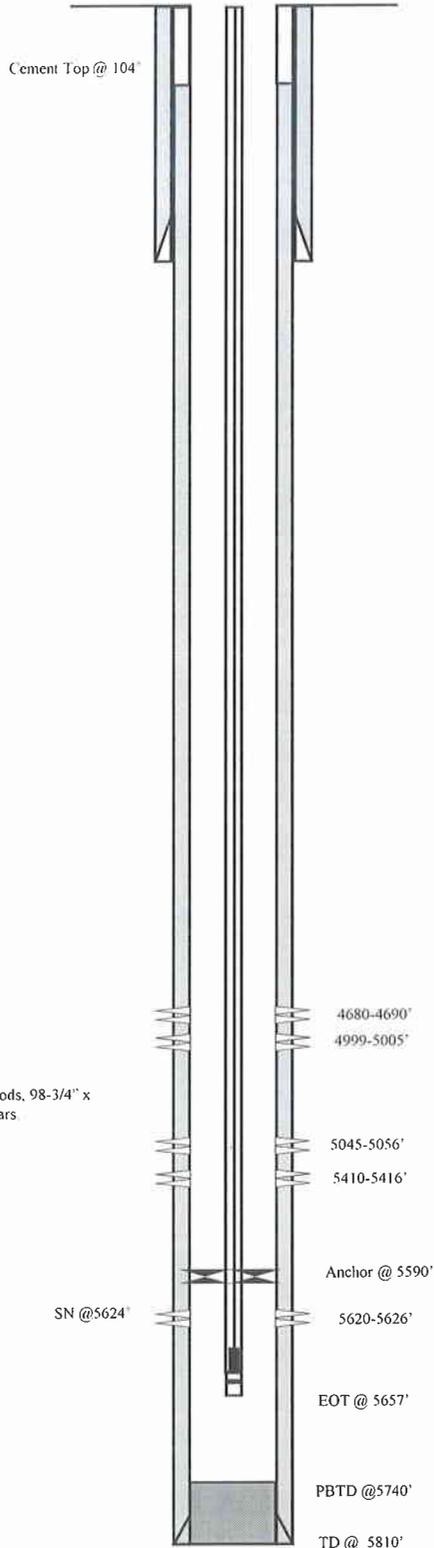
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 142 jts (6165.44')  
 DEPTH LANDED 5793.94' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sx Prem. Lite II & 400 sx 50/50 Poz.  
 CEMENT TOP 104'

#### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 179 jts (5577.57')  
 TUBING ANCHOR 5589.57' KB  
 NO OF JOINTS 1 jts (31.63')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 5624.00' KB  
 NO OF JOINTS 1 jts (31.57')  
 TOTAL STRING LENGTH EOT @ 5657.12' KB

#### SUCKER RODS

POLISHED ROD 1-1/2" x 26'  
 SUCKER RODS 3/4 x 4' Pony rod, 100-3/4 x 25' Scrapered Rods, 98-3/4" x 25' Slick Rods, 20-3/4" x 25' scrapered rods, 6-1/2 x 25' wt bars  
 PUMP SIZE 2 1/2" x 1 1/2" x 12x 15' RHAC  
 STROKE LENGTH 86"  
 PUMP SPEED 5 SPM



#### FRAC JOB

6/15/07 **5620-5626 RU BJ & frac CPS sds as follows:**  
 14,228#'s of 20/40 sand in 265 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2740 w/ ave rate of 27 bpm w/ 6.5 ppg of sand. ISIP was 2525. Actual flush 5166 gals.

6/15/07 **5410-5416 RU BJ & frac stage #2 as follows:**  
 19,400# 20/40 sand in 298 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2147 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2134. Actual flush 4914 gals.

6/15/07 **4999-5005 RU BJ & frac stage #3 as follows:**  
 55,118# 20/40 sand in 482 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2856 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. ISIP was 2986. Actual flush 4536 gals.

6/15/07 **4680-4690 RU BJ & frac stage #4 as follows:**  
 61,337# 20/40 sand in 472 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1703 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 2056. Actual flush 4662 gals.

1/3/09

Pump Change. Updated rod & tubing details

#### PERFORATION RECORD

Date	Interval	Tool	Holes
06/15/07	5620-5626'	4 JSPF	24 holes
06/15/07	5410-5416'	4 JSPF	112 holes
06/15/07	5045-5056'	4 JSPF	84 holes
06/15/07	4999-5005'	4 JSPF	20 holes
06/15/07	4680-4690'	4 JSPF	40 holes



Federal 14-22-9-16  
 477' FSL and 1988' FWL  
 SE/SW Sec. 22, T9S, 16E  
 Duchesne Co, Utah  
 API #43-013-33147; Lease #UTU-74392

## Federal 15-22-9-16

Spud Date: 4/17/2007  
 Put on Production: 6-18-2007  
 GL: 5846' KB: 5858'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.31')  
 DEPTH LANDED: 316.16' 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 (5764.96')  
 DEPTH LANDED: 5768.96' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: Surface'

### TUBING

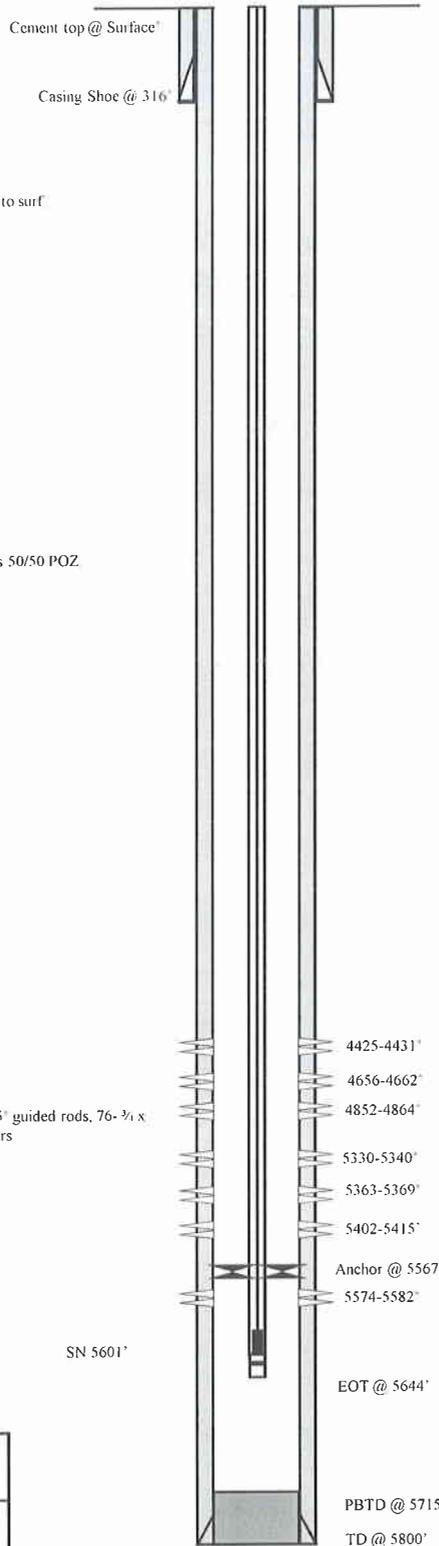
SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 181 jts (5532.55')  
 TUBING ANCHOR: 5567.15'  
 NO. OF JOINTS: 1 jts (32.45')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5600.70'  
 NO. OF JOINTS: 1 jt (29.21')  
 TOTAL STRING LENGTH: EOT @ 5643.65'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-6", 1-2" x 3/4" pony rods, 101- 3/4 x 25' guided rods, 76- 3/4 x 25' slick rods, 40- 3/4 x 25' guided rods, 6- 1/2 x 25' wt bars  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20' x 15 1/2' RHAC  
 STROKE LENGTH: 100"  
 PUMP SPEED, SPM: 4.5 SPM

### FRAC JOB

06-11-07	5574-5582'	<b>Frac CP5 sands as follows:</b> 19614# 20/40 sand in 325 bbls Lightning 17 frac fluid. Treated @ avg press of 2433 psi w/avg rate of 24.8 BPM. ISIP 2430 psi. Calc flush: 5572 gal. Actual flush: 5124 gal.
06-11-07	5330-5415'	<b>Frac CP3, CP2, &amp; CP1 sands as follows:</b> 34912# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2224 psi w/avg rate of 24.8 BPM. ISIP 1976 psi. Calc flush: 4328 gal. Actual flush: 4872 gal.
06-11-07	4852-4864'	<b>Frac A1 sands as follows:</b> 19473# 20/40 sand in 287 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 24.8 BPM. ISIP 1860 psi. Calc flush: 4850 gal. Actual flush: 4410 gal.
06-11-07	4656-4662'	<b>Frac B1 sands as follows:</b> 14664# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 psi w/avg rate of 24.8 BPM. ISIP 1720 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
06-11-07	4425-4431'	<b>Frac D1 sands as follows:</b> 22099# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2182 psi w/avg rate of 24.8 BPM. ISIP 1700 psi. Calc flush: 4423 gal. Actual flush: 3948 gal.
7/23/07		Pump change. Updated rod & tubing detail.
05/29/08		Pump change. Updated rod and tubing detail.
5/11/09		Tubing Leak. Updated r & t details.



### PERFORATION RECORD

06-07-07	5574-5582'	4 JSPF	32 holes
06-11-07	5402-5415'	4 JSPF	52 holes
06-11-07	5363-5369'	4 JSPF	24 holes
06-11-07	5330-5340'	4 JSPF	40 holes
06-11-07	4852-4864'	4 JSPF	48 holes
06-11-07	4656-4662'	4 JSPF	24 holes
06-11-07	4425-4431'	4 JSPF	24 holes



**Federal 15-22-9-16**  
 355' FSL & 1987' FEL  
 SW/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33167; Lease # UTU-74392

## FEDERAL 10-22-9-16

Spud Date: 04/26/07  
 Put on Production: 06/29/07  
 GL: 5955' KB: 5967'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310.97')  
 DEPTH LANDED: 322.82' 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: 133 jts (5904.01')  
 DEPTH LANDED: 5917.26' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP: 160'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 182 jts (5685.0')  
 TUBING ANCHOR: 5697.0' KB  
 NO OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5731.2' KB  
 NO OF JOINTS: 1 jts (31.7')  
 TOTAL STRING LENGTH: EOT @ 5764' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 2 x 3/4" - 8' pony rod, 1 x 3/4" = 6' pony rod, 1 x 3/4" = 8' pony rod, 98-3/4" = 2450' guided rods, 93-3/4" = 2325' sucker rods, 30-3/4" = 750' guided rods, 6-1 1/2" = 150' weight bars  
 PUMP SIZE: 2 1/2" x 1 1/4" x 12 x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5

### FRAC JOB

06/25/07 5730-5740' **Frac CP5 sands as follows:**  
 40069# 20/40 sand in 408 bbls Lightning 17 frac fluid Treated @ avg press of 1945 psi w/avg rate of 24.7 BPM ISIP 2163 psi Calc flush: 5728 gal Actual flush: 5208 gal

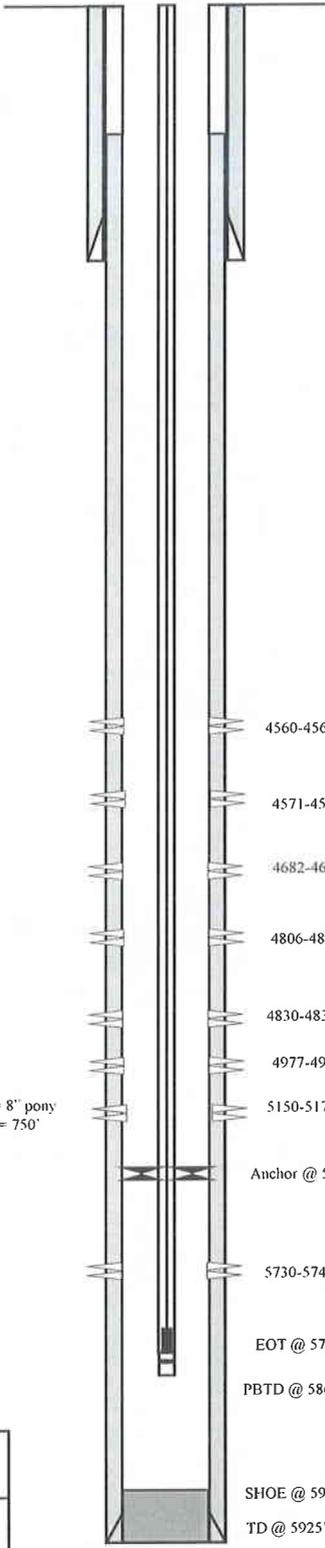
06/26/07 5150-5178' **Frac LODC sands as follows:**  
 126558# 20/40 sand in 899 bbls Lightning 17 frac fluid Treated @ avg press of 2216 psi w/avg rate of 24.7 BPM ISIP 2676 psi Calc flush: 5148 gal Actual flush: 4662 gal

06/26/07 4977-4998' **Frac A1 sands as follows:**  
 94957# 20/40 sand in 708 bbls Lightning 17 frac fluid Treated @ avg press of 1623 psi w/avg rate of 24.7 BPM ISIP 1945 psi Calc flush: 4975 gal Actual flush: 4494 gal

06/26/07 4806-4835' **Frac B2 & B1 sands as follows:**  
 61885# 20/40 sand in 508 bbls Lightning 17 frac fluid Treated @ avg press of 1689 psi w/avg rate of 24.7 BPM ISIP 1825 psi Calc flush: 4804 gal Actual flush: 4326 gal

06/26/07 4682-4688' **Frac D3 sands as follows:**  
 12609# 20/40 sand in 241 bbls Lightning 17 frac fluid Treated @ avg press of 2133 psi w/avg rate of 24.7 BPM ISIP 1776 psi Calc flush: 4680 gal Actual flush: 4221 gal

06/26/07 4560-4565' **Frac D1 sands as follows:**  
 16073# 20/40 sand in 246 bbls Lightning 17 frac fluid Treated @ avg press of 1881 psi w/avg rate of 24.7 BPM ISIP 1857 psi Calc flush: 4558 gal Actual flush: 4494 gal



05/28/08 pump change Updated rod and tubing details  
 4560-4565' 6/21/2010 Parted rods Updated rod and tubing detail  
 6/23/2010 Parted rods Updated rod and tubing detail  
 3/15/11 Parted rods Updated rod and tubing detail

### PERFORATION RECORD

Date	Interval	Tool	Holes
06/21/07	5730-5740'	4 JSPF	40 holes
06/25/07	5150-5178'	4 JSPF	112 holes
06/26/07	4977-4998'	4 JSPF	84 holes
06/26/07	4830-4835'	4 JSPF	20 holes
06/26/07	4806-4817'	4 JSPF	44 holes
06/26/07	4682-4688'	4 JSPF	24 holes
06/26/07	4571-4576'	4 JSPF	20 holes
06/26/07	4560-4565'	4 JSPF	20 holes



**FEDERAL 10-22-9-16**  
 1736'FSL & 2137' FEL  
 NW/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33166; Lease # UTU-74392

## Federal 9-22-9-16

Spud Date: 4-19-2007  
 Put on Production: 6-08-2007  
 GL: 5803' KB: 5815'

Initial Production: BOPD,  
 MCFD, BWPI

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, 99-3/4" guided rods, 69-3/4" sucker rods, 50-3/4" guided rods, 6-1 1/2" sinker bars.

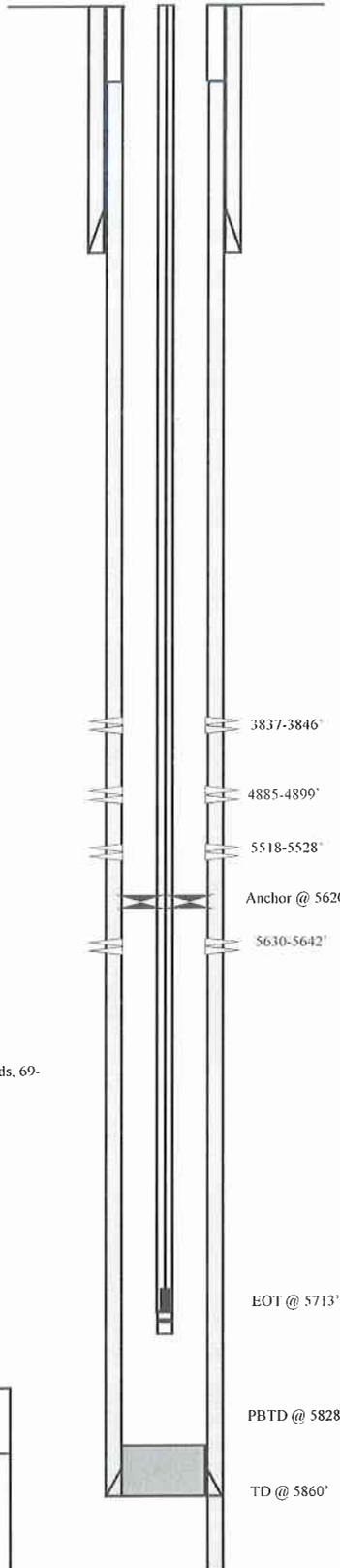
PUMP SIZE: 2-1/2" x 1-1/4" x 16" x 22" RHAC

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



**Federal 9-22-9-16**  
 2079' FNL & 668' FEL  
 NE/SE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33175; Lease # UTU-74392

## 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

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5933.60')  
 DEPTH LANDED: 5946.85' 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' **Frac CP4 sands as follows:**  
 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' **Frac CP2 sands as follows:**  
 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

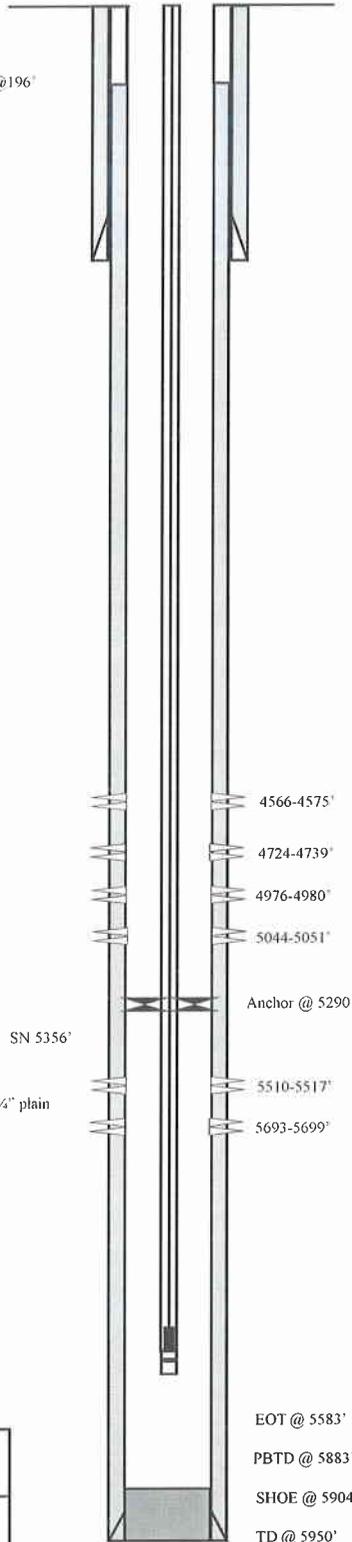
04-30-08 4976-5051' **Frac A3, & A1 sands as follows:**  
 14997# 20/40 sand in 235 bbls Lightning 17 frac fluid Treated @ avg press of 2158 psi w/avg rate of 23.2 BPM ISIP 1884 psi Calc flush: 4974 gal Actual flush: 4494 gal

4-30-08 4724-4739' **Frac C sands as follows:**  
 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' **Frac D1 sands as follows:**  
 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





**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 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

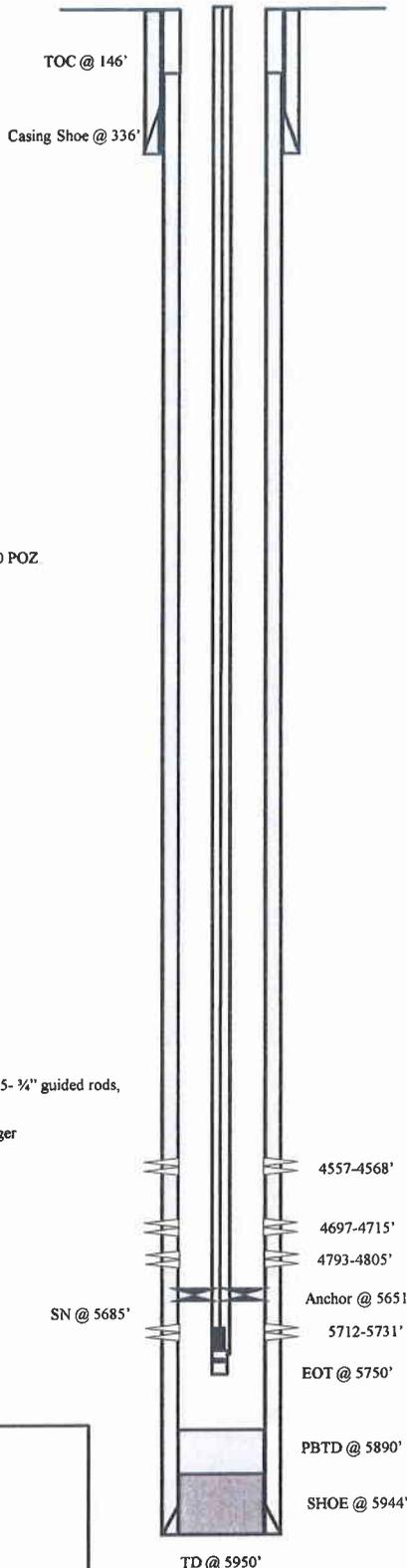
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 141 jts (5930 89')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5944'  
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 146'

### 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



**Federal 7-22-9-16**  
 2036' FNL & 1837' FEL  
 SWNE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33027; Lease #UTU-64379

# Monument Federal #11-22

Spud Date:  
Put on Production:  
GL: 5917' KB: 5927'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8 5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (248 10')  
DEPTH LANDED 258 10' KB  
HOLE SIZE 12 1/4"  
CEMENT DATA 160sxs Class "G" mixed cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

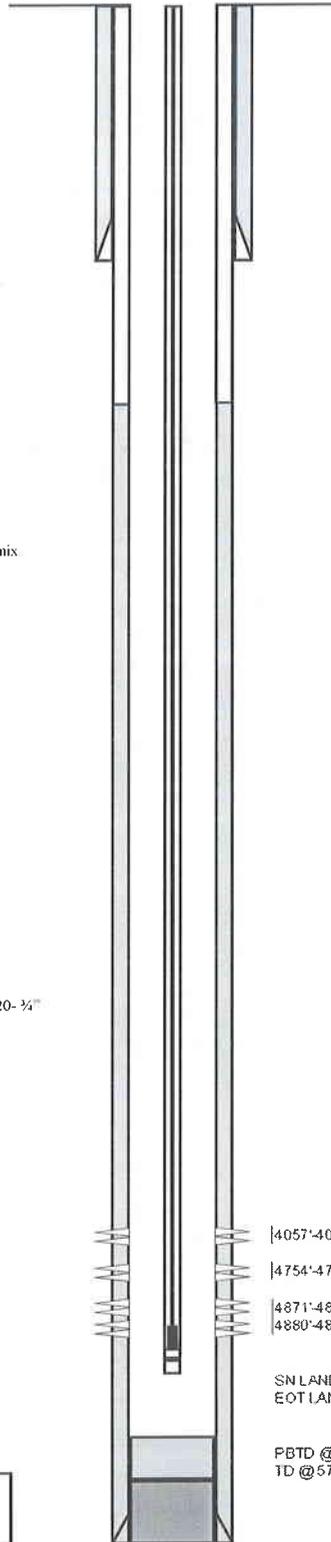
CSG SIZE 5 1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 145 jts (5648 71')  
DEPTH LANDED 5658 71' KB  
HOLE SIZE 7 7/8"  
CEMENT DATA 325 sxs Prem Lite II mixed & 450 sxs 50/50 POZ mix  
CEMENT TOP AT 474'

**TUBING**

SIZE/GRADE/WT 2 7/8" / J-55 / 6.5#  
NO OF JOINTS 155 jts (4848 93')  
NO OF JOINTS 2jts (62.78)  
SEATING NIPPLE 2 7/8" (1.10')  
SN LANDED AT 4858 93' KB  
NO OF JOINTS 1jts (31.45)  
TOTAL STRING LENGTH EOT @ 4957.51' w/ 12' KB

**SUCKER RODS**

POLISHED ROD 1-1/4" x 22' SM  
SUCKER RODS 2-2", 1-4", 6", 8" X 3/4" pony rods, 170- 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 14 1/2" RHAC w/SM plunger  
STROKE LENGTH 74"  
PUMP SPEED, SPM 5 SPM



**ACID JOB /BREAKDOWN**

9/6/96 4754'-4761' BJ Services: 1428 gal 2% KCL  
4871'-4878' water w/ 28 ball sealers. Balled  
4880'-4884' off. ATP= 1900 psi, ATR= 3.0 bpm,  
ISIP= 1400 psi.  
9/6/96 4871'-4878' BJ Services: 1596 gal 2% KCL  
4880'-4884' water w/ 44 ball sealers. Balled  
off. ATP= 1600 psi, ATR= 3.0 bpm,  
ISIP= 1300 psi.  
9/7/96 4057'-4066' BJ Services: 2268 gal 2% KCL  
water w/ 72 ball sealers. Ball  
action but no ball off. ATP= 2000 psi,  
ATR= 3.5 bpm, ISIP=1400 psi.

**FRAC JOB**

9/7/96 4754'-4761' BJ Services: 24,402 gal 2%  
4871'-4878' KCL water w/ 80,100# 16/30  
4880'-4884' sand. ATP= 2200 psi, ATR=  
35.4 bpm, ISIP= 2100 psi,  
5 min=1780 psi, 10 min= 1690 psi,  
15 min= 1640 psi.  
9/7/96 4057'-4066' BJ Services: 14,532 gal 2%  
KCL water w/ 39,000# 16/30  
sand. ATP= 2000 psi, ATR= 31.0 bpm,  
ISIP= 1600 psi, 5 min= 1400 psi,  
10 min= 1290 psi, 15 min= 1230 psi,  
30 min= 1130 psi.

**PERFORATION RECORD**

9/5/96	Schlumberger	4754'-4761'	2 SFF
		4871'-4878'	2 SFF
		4880'-4884'	2 SFF
9/7/96	Schlumberger	4057'-4066'	4 SFF

3-20-08

Workover. Updated rod and tubing detail.

4057'-4066'  
4754'-4761'  
4871'-4878'  
4880'-4884'

SN LANDED @ 4931' KB  
EOT LANDED @ 4962' KB

PBTD @ 5614' KB  
TD @ 5700' KB



**Monument Federal 11-22-9-16Y**  
957' FNL & 832' FWL  
NW/NW Section 22-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31647; Lease #UTU-64379

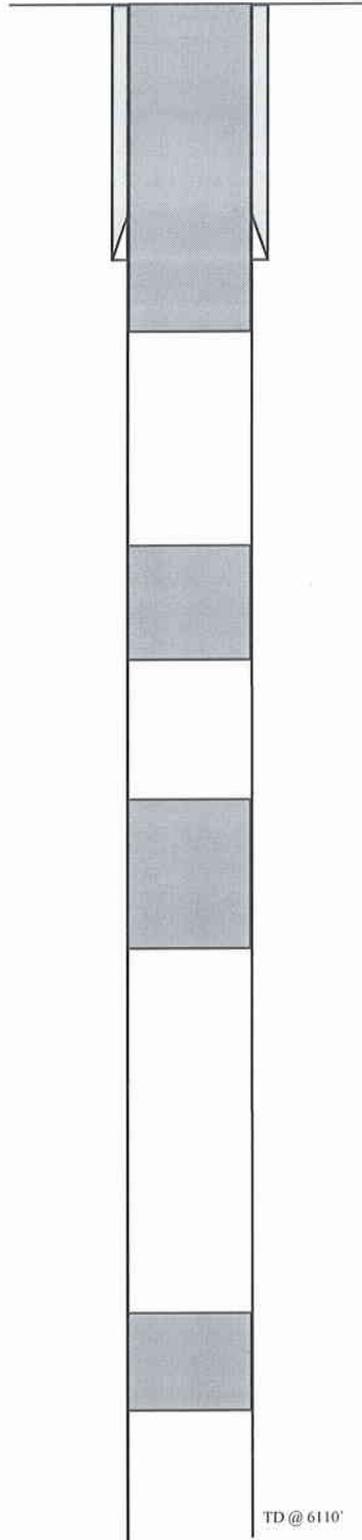
## Castle Peak #3

Spud Date: 1/31/63  
P&A'd: N/A  
GL: 6422' KB: 6434'

Put on Production: 3/14/63  
Cumulative Production  
14397 BO  
6429 MCF  
386 BW

Per State of Utah-DOGM records, this well was drilled by Diamond Shamrock. Current status on file is P&A'd. Plug date and cement plug detail were not available

P&A Wellbore Diagram



**Castle Peak #3**  
660 FSL 815 FEL  
SESE Section 22-T9S-R15E  
Duchesne Co, Utah  
API #43-013-15783; Lease #U-027345

## 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" cmt

#### PRODUCTION CASING

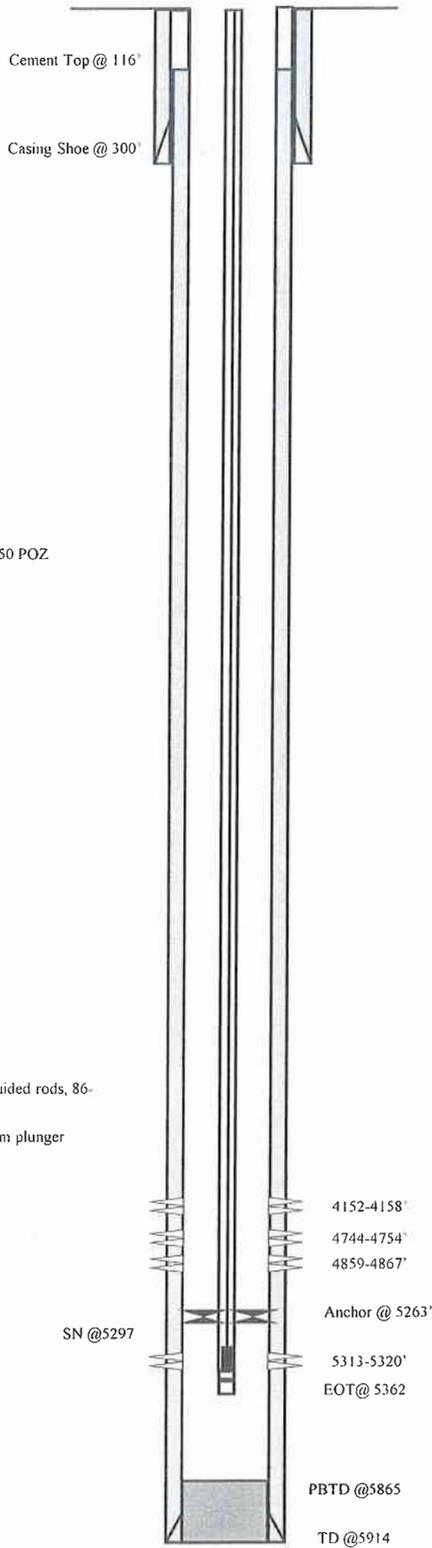
CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 145 jts (6357 47')  
 DEPTH LANDED 5910 55' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 425 sx 50/50 POZ.  
 CEMENT TOP 116'

#### 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/sm 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:**  
 34,902#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 9-21-9-16

Spud Date: 07/31/09  
 Put on Production: 09/02/09  
 GL: 5970' KB: 5982'

Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 6 jts (264')  
 DEPTH LANDED 322'  
 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 140 jts (5836')  
 HOLE SIZE 7-7/8"  
 DEPTH LANDED 5887.85'  
 CEMENT DATA 260 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
 CEMENT TOP AT 120'

### TUBING

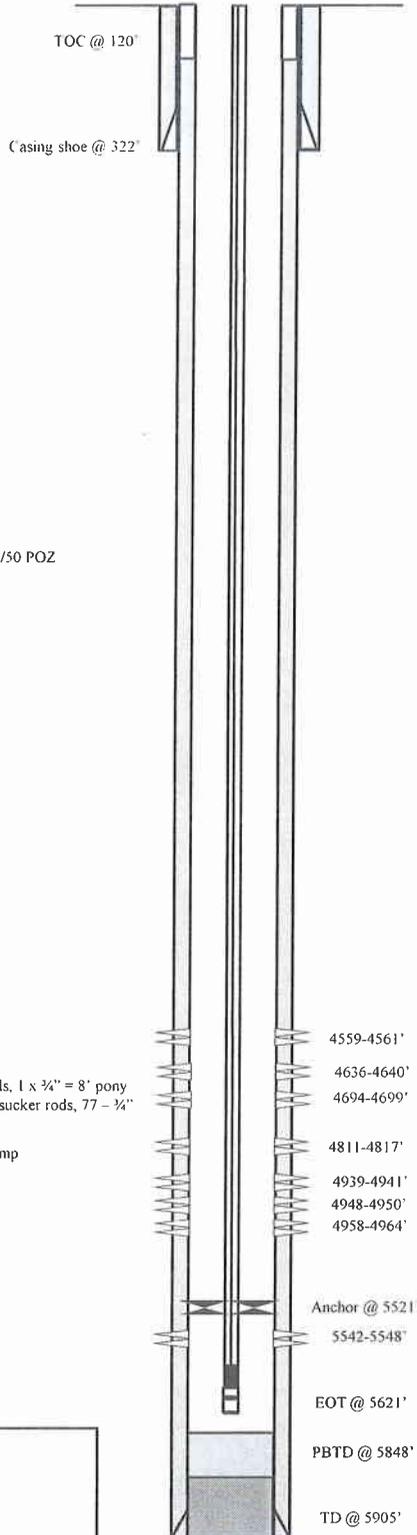
SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 172 jts (5509.1')  
 TUBING ANCHOR 5521'  
 NO OF JOINTS 1 jts (31.4')  
 SEATING NIPPLE 2-7/8" (1.1')  
 SN LANDED AT 5555.4' KB  
 NO OF JOINTS 2 jts (64.1')  
 TOTAL STRING LENGTH EOT @ 5621'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS 2 x 3/4" = 8' pony rod, 1 x 3/4" = 6' pony rods, 1 x 3/4" = 8' pony rods, 104 - 3/4" = 2600' (4 per) guided rods, 34 - 3/4" = 850' sucker rods, 77 - 1/4" = 1925' (4 per) guided rods, 6 - 1 1/2" = 150' sinker bars  
 PUMP SIZE CDI 2 1/2" x 1 1/25" x 17" RTBC McGyver pump  
 STROKE LENGTH 122  
 PUMP SPEED, SPM 5

### FRAC JOB

9-2-09	5542-5548'	Frac CP3 sands as follows: Frac with 15136# 20/40 sand in 122 bbls Lightning 17 fluid.
9-2-09	4939-4964'	Frac A3 sands as follows: Frac with 115669# 20/40 sand in 698 bbls Lightning 17 fluid.
9-2-09	4811-4817'	Frac B2 sands as follows: Frac with 25293# 20/40 sand in 204 bbls Lightning 17 fluid.
9-2-09	4559-4699'	Frac C, D1, & D3 sands as follows: Frac with 111451# 20/40 sand in 635 bbls Lightning 17 fluid.
11/25/10		Pump Change Rod & tubing updated
3/30/11		Tubing leak Rod & tubing detail updated



### PERFORATION RECORD

5542-5548'	3 JSPF	18 holes
4958-4964'	3 JSPF	18 holes
4948-4950'	3 JSPF	6 holes
4939-4941'	3 JSPF	6 holes
4811-4817'	3 JSPF	18 holes
4694-4699'	3 JSPF	15 holes
4636-4640'	3 JSPF	12 holes
4559-4561'	3 JSPF	6 holes



**NEWFIELD**

Federal 9-21-9-16  
 2247' FSL & 756' FEL NE/SE  
 Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33145; Lease #UTU-74392

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				

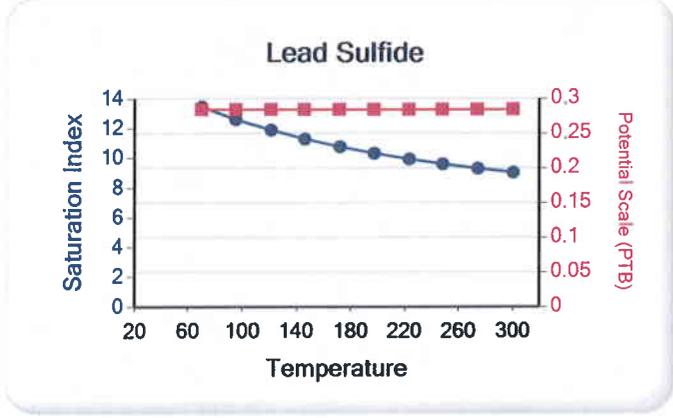
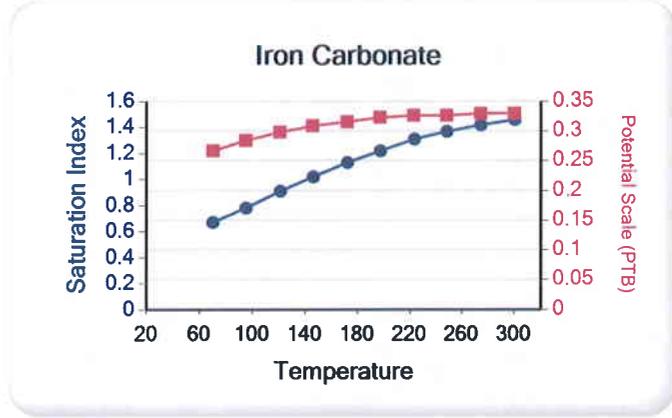
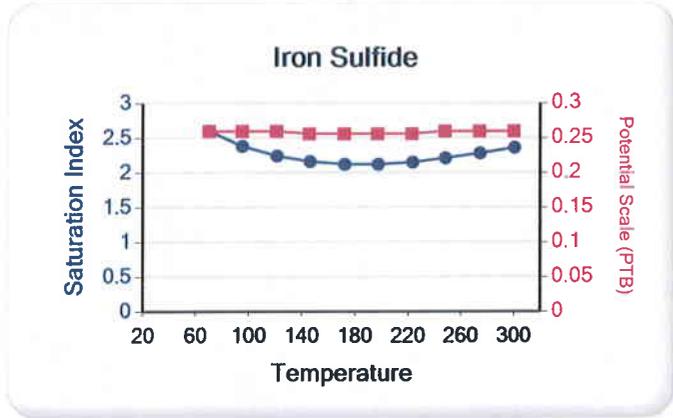
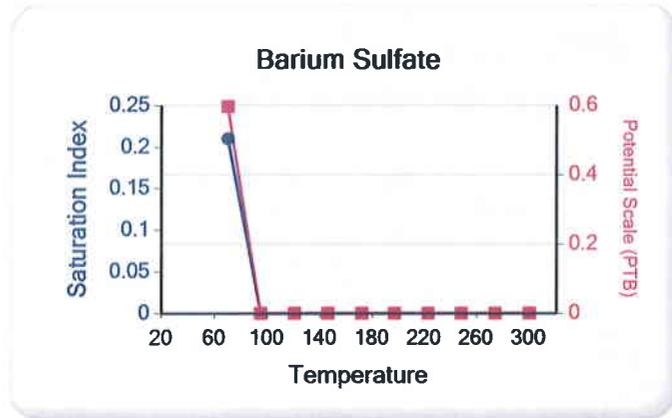
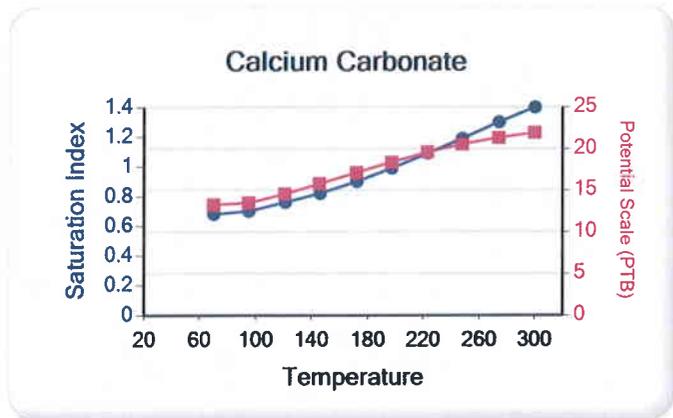
Notes:

(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



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FED 11A-22-9-16**  
Sample Point:  
Sample Date: **5/16/2012**  
Sample ID: **WA-215015**

Sales Rep: **Michael McBride**  
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	6/5/2012	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	200.00	Sodium (Na):	5443.71	Chloride (Cl):	6100.00
System Pressure 1 (psig):	2000.0000	Potassium (K):	31.00	Sulfate (SO4):	2.00
System Temperature 2 (°F):	60.00	Magnesium (Mg):	10.00	Bicarbonate (HCO3):	4099.20
System Pressure 2 (psig):	60.0000	Calcium (Ca):	12.40	Carbonate (CO3):	0.00
Calculated Density (g/ml):	1.008	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
pH:	9.50	Barium (Ba):	15.00	Propionic Acid (C2H5COO)	0.00
Calculated TDS (mg/L):	15714.48	Iron (Fe):	1.04	Butanoic Acid (C3H7COO)	0.00
CO2 in Gas (%):	0.00	Zinc (Zn):	0.09	Isobutyric Acid ((CH3)2CHCOO)	0.00
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.02	Fluoride (F):	
H2S in Gas (%):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	55.00	Manganese (Mn):	0.02	Silica (SiO2):	

Notes:

(PTB = Pounds per Thousand Barrels)

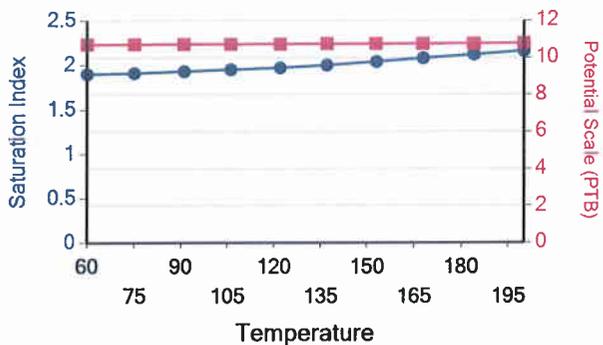
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	60.00	1.90	10.71	0.12	0.37	4.96	0.57	2.44	0.75	0.00	0.00	0.00	0.00	0.00	0.00	12.44	0.05
75.00	275.00	1.91	10.72	0.00	0.00	4.80	0.57	2.51	0.75	0.00	0.00	0.00	0.00	0.00	0.00	12.09	0.05
91.00	491.00	1.93	10.73	0.00	0.00	4.67	0.57	2.58	0.75	0.00	0.00	0.00	0.00	0.00	0.00	11.77	0.05
106.00	706.00	1.95	10.73	0.00	0.00	4.56	0.57	2.65	0.75	0.00	0.00	0.00	0.00	0.00	0.00	11.48	0.05
122.00	922.00	1.97	10.74	0.00	0.00	4.47	0.57	2.72	0.75	0.00	0.00	0.00	0.00	0.00	0.00	11.22	0.05
137.00	1137.00	2.00	10.74	0.00	0.00	4.41	0.57	2.78	0.75	0.00	0.00	0.00	0.00	0.00	0.00	10.99	0.05
153.00	1353.00	2.04	10.75	0.00	0.00	4.36	0.57	2.84	0.75	0.00	0.00	0.00	0.00	0.00	0.00	10.78	0.05
168.00	1568.00	2.08	10.76	0.00	0.00	4.34	0.57	2.90	0.75	0.00	0.00	0.00	0.00	0.00	0.00	10.59	0.05
184.00	1784.00	2.12	10.77	0.00	0.00	4.32	0.57	2.95	0.76	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.05
200.00	2000.00	2.16	10.78	0.00	0.00	4.31	0.57	3.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00	10.25	0.05

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
60.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.05	14.33	0.01	0.00	0.00	0.00	0.00	0.00	0.00
75.00	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.05	13.76	0.01	0.00	0.00	0.00	0.00	0.00	0.00
91.00	491.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.06	13.25	0.01	0.00	0.00	0.00	0.00	0.00	0.00
106.00	706.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.06	12.78	0.01	0.00	0.00	0.00	0.00	0.00	0.00
122.00	922.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.06	12.36	0.01	0.00	0.00	0.00	0.00	0.00	0.00
137.00	1137.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.06	11.97	0.01	0.00	0.00	0.00	0.00	0.00	0.00
153.00	1353.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.06	11.62	0.01	0.00	0.00	0.00	0.00	0.00	0.00
168.00	1568.00	0.00	0.00	0.00	0.00	0.00	0.00	1.91	0.06	11.30	0.01	0.00	0.00	0.00	0.00	0.00	0.00
184.00	1784.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.06	11.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.06	10.73	0.01	0.00	0.00	0.00	0.00	0.00	0.00

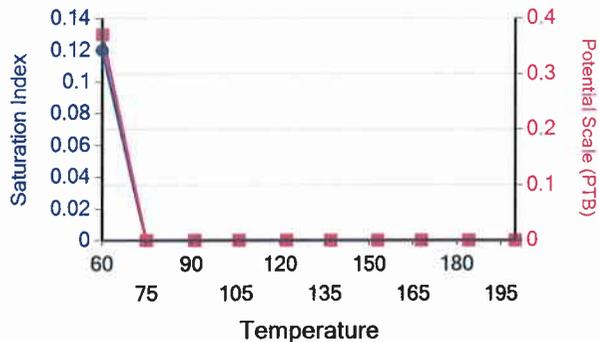
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

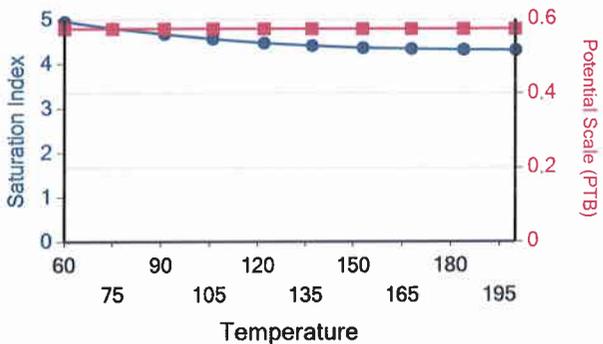
Calcium Carbonate



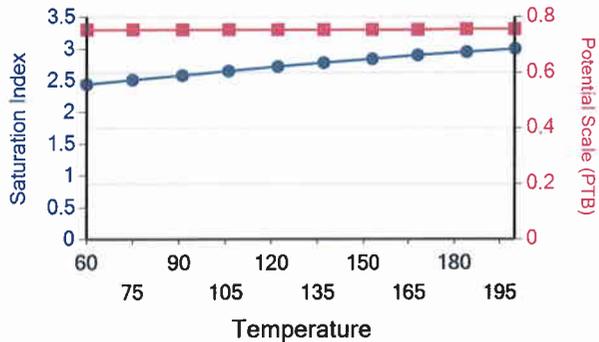
Barium Sulfate



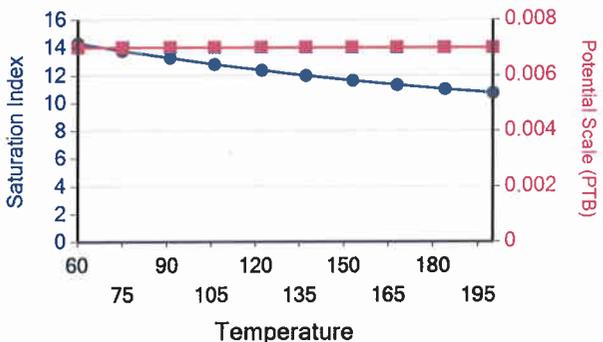
Iron Sulfide



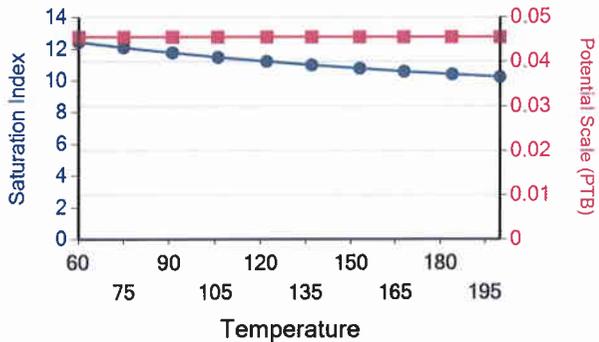
Iron Carbonate

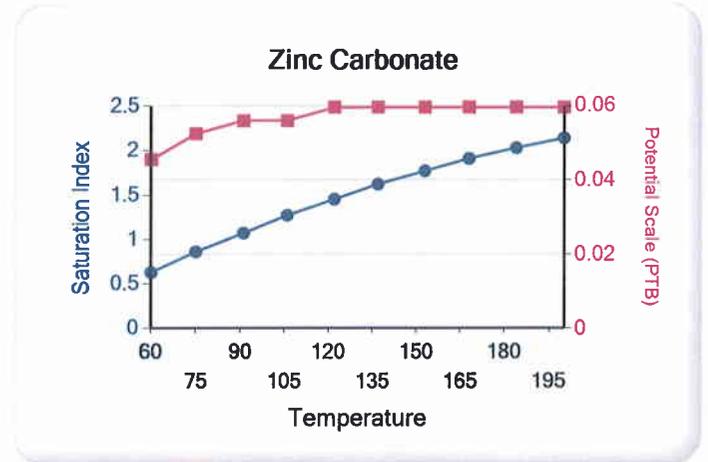


Lead Sulfide



Zinc Sulfide





**Attachment "G"**

**Federal #11A-22-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5601	5618	5610	2200	0.83	2164
4885	4897	4891	2160	0.88	2128
4490	4495	4493	1908	0.86	1879
3940	3948	3944	1470	0.81	1444 ←
				<b>Minimum</b>	<u><u>1444</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 11A-22-9-16 Report Date: 10-Jul-07 Day: 1  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 9-Jul-07 SITP: \_\_\_\_\_ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5794' & cement top @ 183'. Perforate stage #1. CP5 sds @ 5601-18' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319 331 Titan) w/ 4 spf for total of 68 shots. 139 BWTR. SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 139 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

Weatherford BOP \_\_\_\_\_  
 NPC NU crew \_\_\_\_\_  
 NDSI trucking \_\_\_\_\_  
 Perforators LLC \_\_\_\_\_  
 Drilling cost \_\_\_\_\_  
 Action hot oil \_\_\_\_\_  
 Location preparation \_\_\_\_\_  
 NPC wellhead \_\_\_\_\_  
 Benco - anchors \_\_\_\_\_  
 Admin. Overhead \_\_\_\_\_  
 NPC Supervisor \_\_\_\_\_

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_  
 Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_  
 ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ 15 min: \_\_\_\_\_

Completion Supervisor: Orson Barney

DAILY COST: \_\_\_\_\_ \$0  
 TOTAL WELL COST: \_\_\_\_\_



**DAILY COMPLETION REPORT**

**WELL NAME:** Federal 11A-22-9-16 **Report Date:** 12-Jul-07 **Day:** 2a  
**Operation:** Completion **Rig:** Rigless

**WELL STATUS**

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: \_\_\_\_\_

**PERFORATION RECORD**

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP5 sds	5601-5618'	4/68			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** 11-Jul-07 **SITP:** \_\_\_\_\_ **SICP:** 0

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac CP5 sds, stage #1 down casing w/ 50,556#'s of 20/40 sand ir 495 bbls of Lightning 17 frac fluid. Open well w/ 5 psi on casing. Perfs broke down @ 3823 psi. Treated @ ave pressure of 1972 @ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2200. 634 bbls EWTR. Leave pressure on well. **See day2b.**

**FLUID RECOVERY (BBLs)**

Starting fluid load to be recovered: 139 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 495 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 634 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: CP5 sds down casing  
2226 gals of 767W & to cross link  
3780 gals of pad  
2625 gals w/ 1-5 ppg of 20/40 sand  
5250 gals w/ 5-8 ppg of 20/40 sand  
1323 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 5082 gals of slick water

**COSTS**

Weatherford Services \_\_\_\_\_  
 C-D trkg frac water \_\_\_\_\_  
 NPC fuel gas \_\_\_\_\_  
 BJ Services CP5 sds \_\_\_\_\_  
 NPC Supervisor \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*\*Flush called @ blender to include 2 bbls pump/line voume\*\*

Max TP: 2303 Max Rate: 24.8 Total fluid pmpd: 495 bbls  
 Avg TP: 1972 Avg Rate: 24.8 Total Prop pmpd: 50,556#'s  
 ISIP: 2200 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .83

Completion Supervisor: Ron Shuck

DAILY COST: \_\_\_\_\_ \$0  
 TOTAL WELL COST: \_\_\_\_\_



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16      **Report Date:** 12-Jul-07      **Day:** 2b  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8 5/8' @ 323'      **Prod Csg:** 5 1/2" @ 5843'      **Csg PBTD:** 5794' WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 4605'  
Plug 5020'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>	_____	_____	_____
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>	_____	_____	_____
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 11-Jul-07      **SITP:** \_\_\_\_\_ **SICP:** 1841

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug (6K) & 12' per gun. Set plug @ 5020'. Perforate A1 sds @ 4885-97' w/ 3-1/8" slick guns (23 gram, .43"HE, 90 ) w/ 4 spf for total of 48 shots. RU BJ & frac stage #2 w/ 70,631#'s of 20/40 sand in 616 bbls of Lightning 17 frac fluid. Open well w/ 1841 psi on casing. Perfs broke down @ 3881 psi. Treated @ ave pressure of 1959 @ ave rate of 24.8 bpm w/ 8 ppg o sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2160. 1250 bbls EWTR. Leave pressure or well. RIH w/ frac solid plug & 5' perf gun. Set plug @ 4605'. Perforate D1 ss @ 4490-95' w/ 4 spf for total of 20 shots SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 634      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 616      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1250      **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:**      A1 sds down casing  
1596 gals of 767W & to cross link  
5376 gals of pad  
3625 gals w/ 1-5 ppg of 20/40 sand  
7250 gals w/ 5-8 ppg of 20/40 sand  
3111 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4410 gals of slick water

### COSTS

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services A1 sds  
Lone Wolf A1 sds

**\*\*Flush called @ blender to include 2 bbls pump/line voume\*\***

**Max TP:** 2253      **Max Rate:** 24.8      **Total fluid pmpd:** 616 bbls  
**Avg TP:** 1959      **Avg Rate:** 24.8      **Total Prop pmpd:** 70,631#'s  
**ISIP:** 2160      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .88

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ \$0

**TOTAL WELL COST:** \_\_\_\_\_





## DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: 13-Jul-07 Day: 3b  
 Operation: Completion Rig: Rigless

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5794' WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4060'  
 Plug 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	3940-3948'	4/32			
D1 sds	4490-4495'	4/20			
A1 sds	4885-4897'	4/48			
CP5 sds	5601-5618'	4/68			

### CHRONOLOGICAL OPERATIONS

Date Work Performed: 13-Jul-07 SITP: \_\_\_\_\_ SICP: 1452

Day3b.

RU WLT. RIH w/ flow through frac plug & 8' perf gun. Set plug @ 4060". Perforate GB4 sds @ 3940-48' w/ 4 spf for total of 32 shots. RU BJ & frac stage #4 w/ 42,107#'s of 20/40 sand in 394 bbls of Lightning 17 frac fluid. Open well w/ 1452 psi on casing. Perfs broke down @ 2449 psi. Treated @ ave pressure of 1555 @ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 1470. 1954 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours w/ 210 bbls rec'd SIFN.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1954 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 210 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1744 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: GB4 sds down casing  
1554 gals of 767W & to cross link  
3192 gals of pad  
2500 gals w/ 1-5 ppg of 20/40 sand  
5396 gals w/ 5-8 ppg of 20/40 sand  
Flush w/ 3906 gals of slick water

### COSTS

Weatherford Services  
C-D trkg frac water  
NPC fuel gas  
BJ Services A1 sds  
Lone Wolf A1 sds  
C-D trkg water transfer

Max TP: 1735 Max Rate: 24.8 Total fluid pmpd: 394 bbls  
 Avg TP: 1555 Avg Rate: 24.8 Total Prop pmpd: 42,107#'s  
 ISIP: 1470 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .81

Completion Supervisor: Ron Shuck

DAILY COST: \_\_\_\_\_ \$0  
 TOTAL WELL COST: \_\_\_\_\_



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 11A-22-9-16  
**Operation:** Completion

**Report Date:** July 17, 2007

**Day:** 04

**Rig:** Western #2

### WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBDT: 5794' WL  
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 2960' BP/Sand PBDT: 4060'  
 Plug 5020' 4605'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB4 sds</u>	<u>3940-3948'</u>	<u>4/32</u>			
<u>D1 sds</u>	<u>4490-4495'</u>	<u>4/20</u>			
<u>A1 sds</u>	<u>4885-4897'</u>	<u>4/48</u>			
<u>CP5 sds</u>	<u>5601-5618'</u>	<u>4/68</u>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** July 16, 2007 **SITP:** \_\_\_\_\_ **SICP:** 0

Finish rig repairs. MIRU Western #2. No pressure on well. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg to 2960'. SIFN W/ est 1744 BWTR.

### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 0 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1744 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

Western #2 rig \_\_\_\_\_  
 Weatherford BOP \_\_\_\_\_  
 Liddell trucking \_\_\_\_\_  
 NPC trucking \_\_\_\_\_  
 NDSI wtr & truck \_\_\_\_\_  
 Unichem chemicals \_\_\_\_\_  
 NPC sfc equipment \_\_\_\_\_  
 Boren labor/welding \_\_\_\_\_  
 Mt. West sanitation \_\_\_\_\_  
 NPC location cleanup \_\_\_\_\_  
 Monks pit reclaim \_\_\_\_\_  
 Nabors swivel \_\_\_\_\_  
 NPC supervision \_\_\_\_\_

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:** \_\_\_\_\_ \$0  
**TOTAL WELL COST:** \_\_\_\_\_



DAILY COMPLETION REPORT

WELL NAME: Federal 11A-22-9-16 Report Date: July 18, 2007 Day: 05
Operation: Completion Rig: Western #2

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5843' Csg PBTD: 5821'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5773' BP/Sand PBTD: 5821'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, D1 sds, A1 sds, CP5 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: July 17, 2007 SITP: SICP: 0

Con't PU & TIH W/ bit and tbg f/ 2960'. Tag fill @ 4042'. Tbg displaced 10 BW on TIH. RU power swivel. C/O sd 8 drill out composite bridge plugs as follows (using conventional circulation): sd @ 4042', plug @ 4060' in 11 minutes; sc @ 4577', plug @ 4605' in 19 minutes; sd @ 4893', plug @ 5020' in 23 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5748'. PU swivel. Drill plug remains & sd to PBTB @ 5821'. Circ hole clean. Lost est 40 BW during cleanout RD swivel. Pull EOT to 5773'. RU swab equipment. IFL @ sfc. Made 15 swb runs rec 144 BTF W/ light gas, tr oil 8 sm tr sd. FFL @ 1900'. SIFN W/ est 1630 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1744 Starting oil rec to date:
Fluid lost/recovered today: 114 Oil lost/recovered today:
Ending fluid to be recovered: 1630 Cum oil recovered:
IFL: sfc FFL: 1900' FTP: Choke: Final Fluid Rate: Final oil cut: tr

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type: Western #2 rig
Company: Weatherford BOP
Procedure or Equipment detail: NDSI wtr disposal
CDI TA
CDI SN
NPC supervision

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: FG: DAILY COST: \$0
Completion Supervisor: Gary Dietz TOTAL WELL COST:



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3890'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 21 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 46 sx Class "G" cement down 5 ½" casing to 373'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

Initial Production: BOPD,  
 MCFD, BWPD

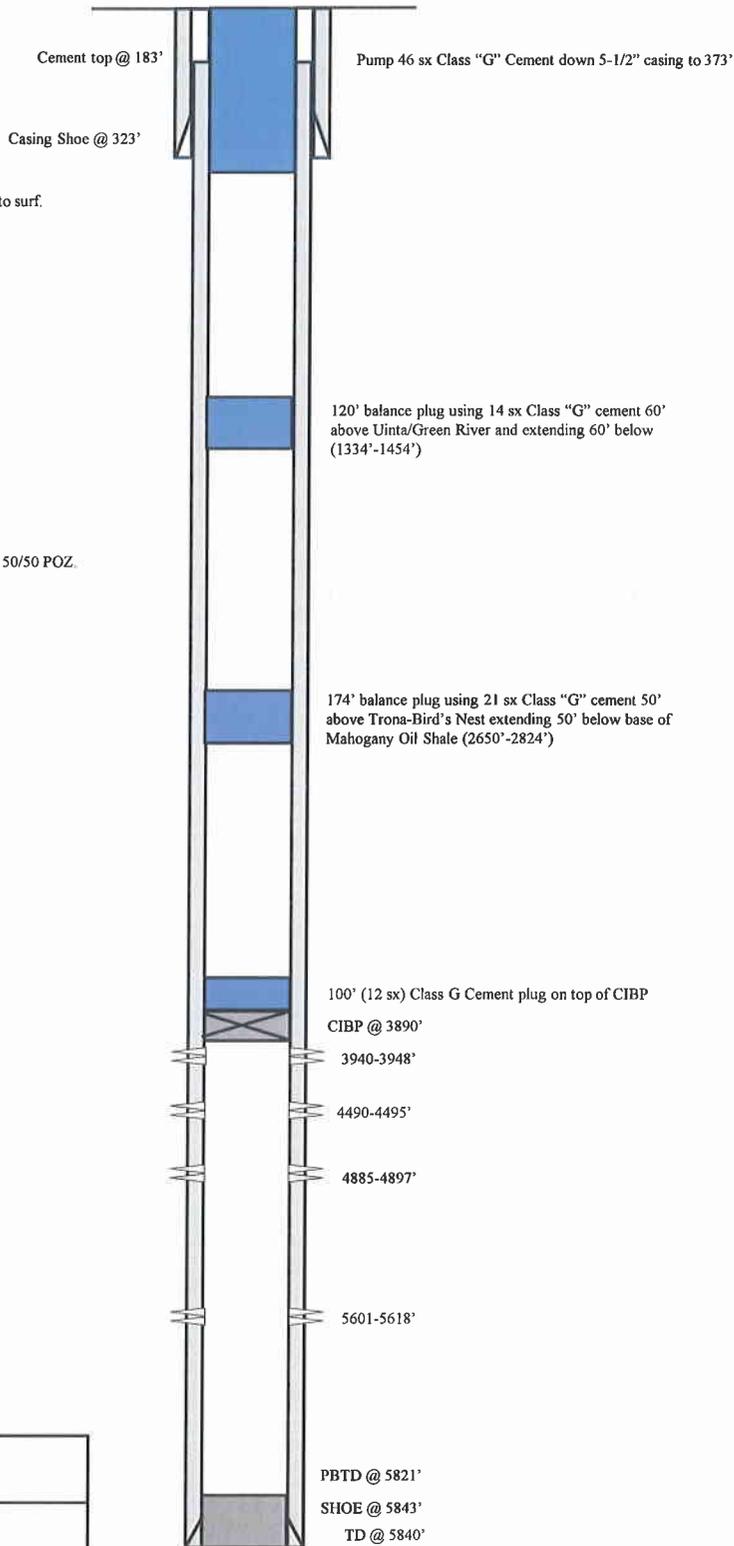
### Proposed Injection Wellbore Diagram

#### SURFACE CASING

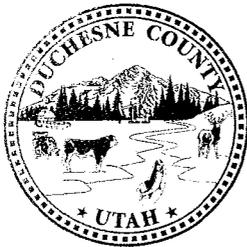
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'




<p><b>Federal 11A-22-9-16</b>                  2007' FSL &amp; 1783' FWL                  NE/SW Section 22-T9S-R16E                  Duchesne Co, Utah                  API #43-013-33149; Lease #UTU-74392</p>



*Duchesne County Planning, Zoning  
& Community Development  
734 North Center Street  
P.O. Box 317  
Duchesne, Utah 84021  
(435) 738-1152  
Fax (435) 738-5522*

June 26, 2012

Mr. Brad Hill, Permitting Manager  
Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

RECEIVED

JUN 27 2012

DIV. OF OIL, GAS & MINING

RE: Newfield Production Company Injection Wells (Causes No UIC-395 & 396)

Dear Mr. Hill:

We are in receipt of your notice regarding Newfield Production Company's request to convert 30 wells, located in Sections 5, 8, 9, 11, 12, 13, 16, 17, 18, 19, 21, 22, 23, 24, 27, 29 and 30, Township 9 South, Range 16 East, Duchesne County, to Class II injection wells.

Duchesne County is supportive of this request and recommends approval under conditions that your agency deems appropriate.

Thank you for the opportunity to comment.

Sincerely,

Mike Hyde, AICP  
Community Development Administrator

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

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-396

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 11, 12, 13, 16, 17, 18, 21, 22, 24, 27, AND 29, 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:

Federal 15-9-9-16 well located in SW/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33054  
Walton Federal 4 well located in SE/4 NW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15795  
C-O Govt 1 well located in NW/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15111  
Monument Federal 24-12J well located in SE/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-31409  
Federal 15-13-9-16 well located in SW/4 SE/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32648  
State 1-16-9-16 well located in NE/4 NE/4, Section 16, Township 9 South, Range 16 East  
API 43-013-33845  
Federal 11-17-9-16 well located in NE/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33034  
Federal 15-18-9-16 well located in SW/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-33001  
Federal 5-21-9-16 well located in SW/4 NW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33020  
Federal 11A-22-9-16 well located in NE/4 SW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33149  
Federal 1-24-9-16 well located in NE/4 NE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33082  
Federal 1-27-9-16 well located in NE/4 NE/4, Section 27, Township 9 South, Range 16 East  
API 43-013-33350  
Federal 3-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33425

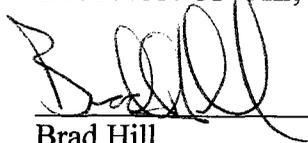
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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 21<sup>st</sup> day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Brad Hill", is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 15-9-9-16, WALTON FEDERAL 4, C-O GOVT 1, MONUMENT FEDERAL 24-12J,  
FEDERAL 15-13-9-16, STATE 1-16-9-16, FEDERAL 11-17-9-16, FEDERAL 15-18-9-16,  
FEDERAL 5-21-9-16, FEDERAL 11A-22-9-16, FEDERAL 1-24-9-16, FEDERAL 1-27-9-16,  
FEDERAL 3-29-9-16**

**Cause No. UIC-396**

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 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

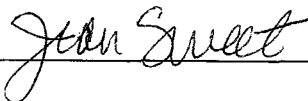
Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

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 South 500 East  
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*

June 21, 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-396

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-396**

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 6/22/2012 8:05 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-396

On 6/21/2012 5:41 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)

Received. Thank you. It will run June 26.  
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

June 21, 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-396

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:** 6/22/2012 9:04 AM  
**Subject:** Legal Notice - UIC 396  
**Attachments:** OrderConf.pdf

AD# 802908  
Run Trib/DNews - 6/26  
Cost \$393.08  
Thank you  
Mark

### Order Confirmation for Ad #0000802908-01

<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>	9001402352	<b>Payor Account</b>	9001402352
<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	mfultz

<b>Total Amount</b>	<b>\$393.08</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$393.08</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	UIC 396	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 77 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>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	06/26/2012	
<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>	06/26/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	06/26/2012	

### Order Confirmation for Ad #0000802908-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000802908-01

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-396

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 11, 12, 13, 16, 17, 18, 21, 22, 24, 27, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Greater Monument Butte Units

Federal 15-9-9-16 well located in SW/4 SE/4, Section 9, Township 9 South, Range 16 East  
API 43-013-33054  
Walter Federal 4 well located in SE/4 NW/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15795  
C-O Govt 1 well located in NW/4 SW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15111  
Monument Federal 24-12J well located in SE/4 SW/4, Section 12, Township 9 South, Range 16 East  
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API 43-013-32648  
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API 43-013-33845  
Federal 11-17-9-16 well located in NE/4 SW/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33034  
Federal 15-18-9-16 well located in SW/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-33001  
Federal 5-21-9-16 well located in SW/4 NW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33020  
Federal 11A-22-9-16 well located in NE/4 SW/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33149  
Federal 1-24-9-16 well located in NE/4 NE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33082  
Federal 1-27-9-16 well located in NE/4 NE/4, Section 27, Township 9 South, Range 16 East  
API 43-013-33350  
Federal 3-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East  
API 43-013-33425

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

Selected zones in the Greer 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 21st day of June, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/  
Brad Hill  
Permitting Manager  
802908

UPAXLP

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



Invoice Number	32048	Invoice Date	6/26/2012
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Advertiser No.	2080	Invoice Amount	\$157.05	Due Date	7/26/2012
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RECEIVED

JUL 09 2012

DIV. OF OIL, GAS & MINING

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. 32048	6/26/2012
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
6/26/2012	16066 UBS	UBS Legal Notice: Notice of Agcy Actn: Cause No. UIC-396 Pub. June 26, 2012				\$157.05
					Sub Total:	\$157.05
					Total Transactions: 1	Total: \$157.05

SUMMARY      Advertiser No.      2080      Invoice No.      32048

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

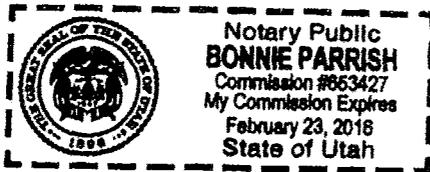
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 26 day of June, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of June, 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

5 day of July, 2012  
by Kevin Ashby.

Bonnie Parrish  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-396

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

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 9, 11, 12, 13, 16, 17, 18, 21, 22, 24, 27, AND 29, TOWNSHIP 6 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 New-field Production Company, 11 Suite 100, Colorado Springs, Colorado, phone 303-441-1111. The ENGINEER is Horrocks Engineers, which will be funded for each set, none of the payment of \$50,000 level, UT 84066, upon South 300 East, Roosevelt Office located at 157 Engineers Roosevelt Butte Fe 84062 or Horrocks Pleasant Grove, UT Parkway Suite #400, at 2162 West Grove, Engineers located office of Horrocks June 19, 2012, at the well on Tuesday, NWMENTS may be ob- CONTRACT DOCUMENTS Copies of the Ran EVELT, UTAH 84066 A 300 EAST, ROOSE- OFFICE), 157 SOUTH HORROCKS EN- GROVE, UTAH 84062 #400, PLEASANT PARKWAY SUITE WEST GROVE ES GINERS, 2162 HORROCKS EN- Ra 2012: on Tuesday, June 19, the following locations may be examined at 13 ings, and Addenda, Specifications, Draw- of Non-Collusion, Affidavit, Certificate Verification System Supplemental Gen- 6 General Conditions, ceed, Change Order, Award, Notice to Pro- 1 mance Bond, Notice of Payment Bond, Performer Bid Bond, Agreement, tion for Bidders, Bid- ment for Bids, Informa- sisting of Advertis- 1 DOCUMENTS, con- The CONTRACT Proceed, endardays from Notice pleted within 180 cal- Project is to be com- scape restoration, etc. asphalt repair, land- 4,900 square yards of repair, approximately repair, gravel shoulder include gravel driveway The project will also in- and 74-8" Gate Valves, 43-10" Gate Valves, 5-12" Gate Valves, services, 35 hydrants; mately 166 residential also includes approxi- locations. The project berry River crossing tations at 2 Straw-



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

July 25, 2012

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

Subject: Greater Monument Butte Unit Well: Federal 11A-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33149

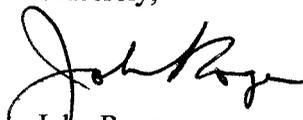
Gentlemen:

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 3,783 feet in the Federal 11A-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,

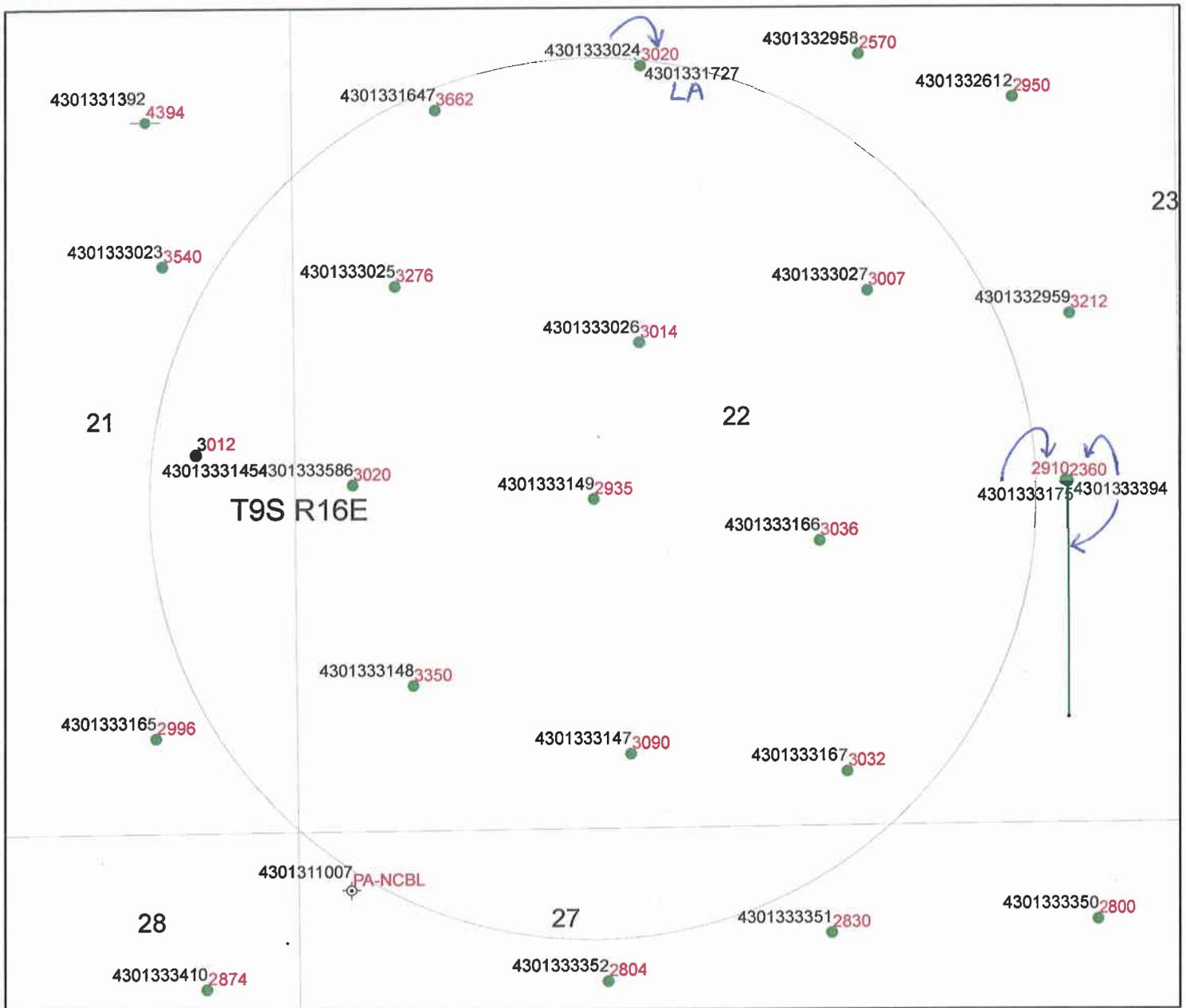
  
John Rogers  
Associate Director

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 11A-22-9-16  
 API #43-013-33149  
 UIC 396.10

### Legend

- |  |   |
|--|---|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_143 | 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   | WW                                      |
| LOC  | WSW                                     |
| OPS  | SGID93.BOUNDARIES.Counties              |
| PA   | • SGID93.ENERGY.DNROilGasWells_HDBottom |
|  | — SGID93.ENERGY.DNROilGasWells_HDPath   |
|  | • Wells-CbltopsMaster07_06_12           |



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 11A-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-33149

**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 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,843 feet. A cement bond log demonstrates adequate bond in this well up to about 2,935 feet. A 2 7/8 inch tubing with a packer will be set at 3,890 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 12 producing wells in the AOR. All of the 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 2700 feet. Injection shall be limited to the interval between 3,783 feet and 5,821 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 11A-22-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,444 psig. The requested maximum pressure is 1,444 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 11A-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 7/19/2012

<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 11A-22-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013331490000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2007 FSL 1783 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW 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"/> 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: 11/20/2012			
<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 11/16/2012. On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 November 30, 2012**

<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> 11/30/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 11/20/12 Time 10:30  am  pm  
Test Conducted by: Riley Bagley  
Others Present: \_\_\_\_\_

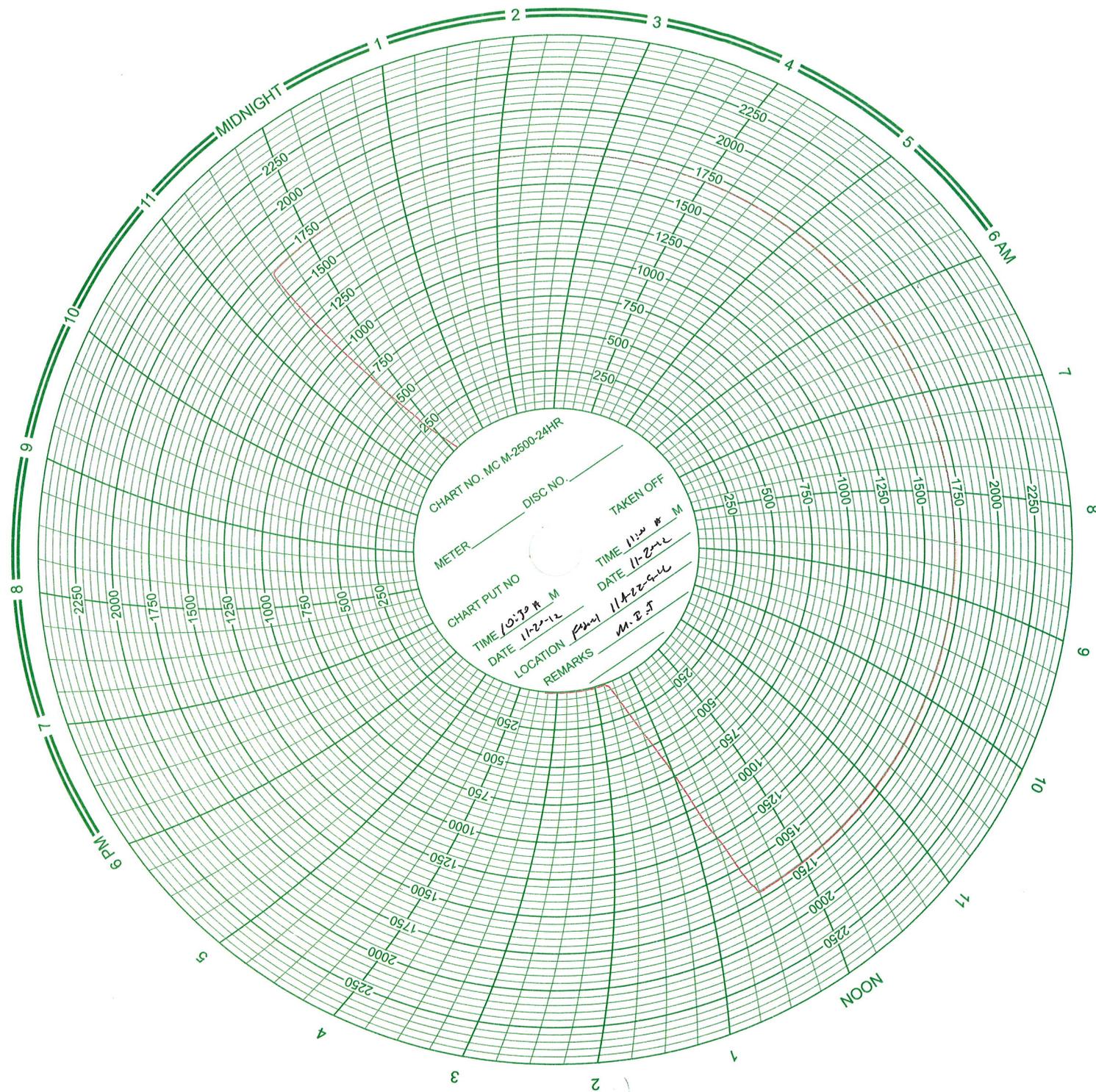
Well: Federal 11A-22-9-16 Field: Monument Butte  
Well Location: Federal 11A-22-9-16 API No: 4301333149

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1700</u>	psig
5	<u>1700</u>	psig
10	<u>1700</u>	psig
15	<u>1700</u>	psig
20	<u>1700</u>	psig
25	<u>1700</u>	psig
30 min	<u>1700</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 300 psig

Result:  Pass  Fail

Signature of Witness: Chris Jensen  
Signature of Person Conducting Test: Riley Bagley



## Summary Rig Activity

**Daily Activity Report**

Format For Sundry

**FEDERAL 11A-22-9-16****9/1/2012 To 1/30/2013****11/15/2012 Day: 1****Conversion**

WWS#7 on 11/15/2012 - MIRUSU LD rods - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - flush rods with 30 BW Cont LD 66-4 per 3/4,6- 1 1/2 Wt bars& pumpX/O to TBG EQ NDWH Release TAC NU BOP RU TBGEQ TOO H tolling TBG break inspecting & green doping every connection W/1214 JTS 2 7/8 j55 TBG,LD 54 JTS 5 1/2 TAC 2 JTS SV 2 JTS NC Flush 2 more times W/60 BW TIH W/ 2 3/8re-entry Guide XN nipple 4' TBG sub 2 3/8 x 2 7/8 X/over 5 1/5 as-!x PKR 2 7/8 SV 124 JTS 2 7/8 J55 TBG pump 15 BW drop SV PSI test TBG to 3000 psi W/20 BW @4:00pm lost 200psi in 1 hourSW ready to check in am. - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. - MIRUSU, pump 60bbls down casing. RDPU, unseat pump, flush rods w/30bbls. Seat pump psi test tbg to 3000psi. Good test. LD 1 1/2 x 26' polish rod, 2', 4' x 3/4 ponys, 100- 4 per 3/4 flush rods w/ 30bbls. Cont LD 52 slk 3/4. SWI. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$12,107**11/19/2012 Day: 3****Conversion**

WWS#7 on 11/19/2012 - pressure test tbg, set pkr - pressure test tbg to 3,000psi, good test, mix pkr fluid w/15 bbls fresh. Pump down csg NDBOP set PKR @ 3885 for 16000# tension, SN @3879, XN @ 3894 EOT @ 3895, 45' above top perf. NU wellhead load tbg psi test csg to 1500 psi w/8bbls. Lost pressure, back up to 1500 psi. Hold for 45 min-good test- rd rig. - pressure test tbg to 3,000psi, good test, mix pkr fluid w/15 bbls fresh. Pump down csg NDBOP set PKR @ 3885 for 16000# tension, SN @3879, XN @ 3894 EOT @ 3895, 45' above top perf. NU wellhead load tbg psi test csg to 1500 psi w/8bbls. Lost pressure, back up to 1500 psi. Hold for 45 min-good test- rd rig.

**Daily Cost:** \$0**Cumulative Cost:** \$23,234

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**11/26/2012 Day: 4****Conversion**

Rigless on 11/26/2012 - Conduct initial MIT - On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 11/19/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1700 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 300 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$112,068

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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 11A-22-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013331490000
<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> 2007 FSL 1783 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW 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: 5/7/2013	<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 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 above reference well was put on injection at 1:00 PM on  
05/07/2013.

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

**FOR RECORD ONLY**

May 07, 2013

<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> 5/7/2013	

# Federal 11A-22-9-16

Spud Date: 5-15-07  
 Put on Production: 7-18-07  
 GL: 5867' KB: 5879'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (311.35')  
 DEPTH LANDED: 323.2' 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: 134 jts (5829.37')  
 DEPTH LANDED: 5842.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TO SURFACE: 183'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 124 jts (3867.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3879.6' KB  
 ON/OFF TOOL AT: 3880.7'  
 ARROW #1 PACKER CE AT: 3885'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3889.5'  
 TBG PUP 2-3/8 J-55 AT: 3890'  
 X/N NIPPLE AT: 3894.1'  
 TOTAL STRING LENGTH: EOT @ 3895.5'

### FRAC JOB

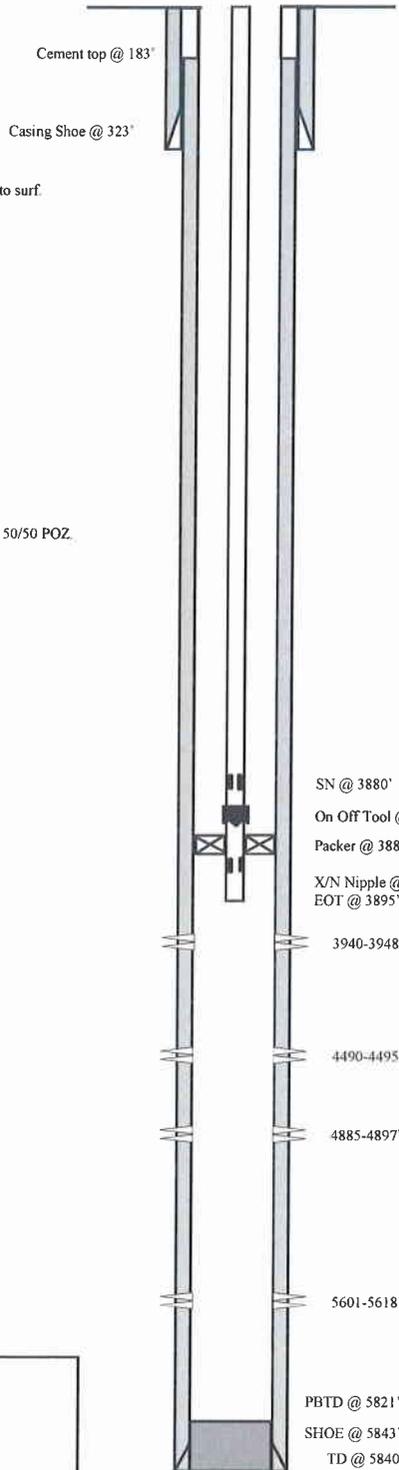
7-9-07 5601-5618' **Frac CP5 sands as follows:**  
 50556# 20/40 sand in 495 bbls Lightning 17 frac fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 2200 psi. Calc flush: 5599 gal. Actual flush: 5082 gal.

7-11-07 4885-4897' **Frac A1 sands as follows:**  
 70631# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1959 psi w/avg rate of 24.8 BPM. ISIP 1908 psi. Calc flush: 4883.1 gal. Actual flush: 4410 gal.

7-13-07 4490-4495' **Frac D1 sands as follows:**  
 20088# 20/40 sand in 310 bbls Lightning 17 frac fluid. Treated @ avg press of 1769 psi w/avg rate of 24.8 BPM. ISIP 1908 psi. Calc flush: 4489 gal. Actual flush: 3990 gal.

7-13-07 3940-3948' **Frac GB4 sands as follows:**  
 42107# 20/40 sand in 394 bbls Lightning 17 frac fluid. 24.8BPM. ISIP 1470psi. Calc flush: 3938 gal. Actual flush: 3906 gal.

06/25/08 **Workover:** Rod & Tubing detail updated.  
 1/18/2010 **Tubing leak:** Updated rod and tubing detail.  
 11/16/12 **Convert to Injection Well**  
 11/20/12 **Conversion MIT Finalized** - update tbg detail



### PERFORATION RECORD

Date	Interval	ISIP	Rate	Holes
7-9-07	5601-5618'	4 JSPF	68 holes	
7-18-07	4885-4897'	4 JSPF	48 holes	
7-11-07	4490-4495'	4 JSPF	20 holes	
7-13-07	3940-3948'	4 JSPF	32 holes	

**NEWFIELD**

**Federal 11A-22-9-16**  
 2007' FSL & 1783' FWL  
 NE/SW Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33149; 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-396

**Operator:** Newfield Production Company  
**Well:** Federal 11A-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33149  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 25, 2012.
2. Maximum Allowable Injection Pressure: 1,444 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,783' – 5,821')
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

12-11-2012  
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

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