

NEWFIELD



October 7, 2005

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

RE: Applications for Permit to Drill: West Point Federal 7-18-9-16, Federal 9-18-9-16, 10-18-9-16, and 16-18-9-16. ✓

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 16-18-9-16 location is also 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  
OCT 11 2005  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
UTU-64379

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 9-18-9-16

9. API Well No.  
43-013-32920

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SE Sec. 18, 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/SE 2054' FSL 470' FEL 572219X 40.029367  
At proposed prod. zone 4431150Y - 110.153604

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 13.3 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. 470' f/lse, NA' f/unit  
Approx. 1263'

16. No. of Acres in lease  
1626.36

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. 1263'

19. Proposed Depth  
6100'

20. BLM/BIA Bond No. on file  
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6076' GL

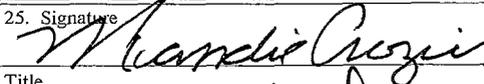
22. Approximate date work will start\*  
2nd Quarter 2006

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

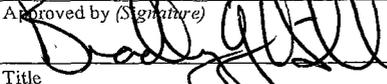
24. Attachments

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 10/7/05

Title Regulator Specialist

Approved by (Signature)  Name (Printed/Typed) BRADLEY G. HILL Date 10-12-05

Title ENVIRONMENTAL SCIENTIST III

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

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

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED :  
OCT 11 2005

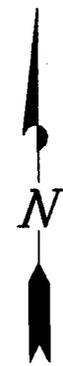
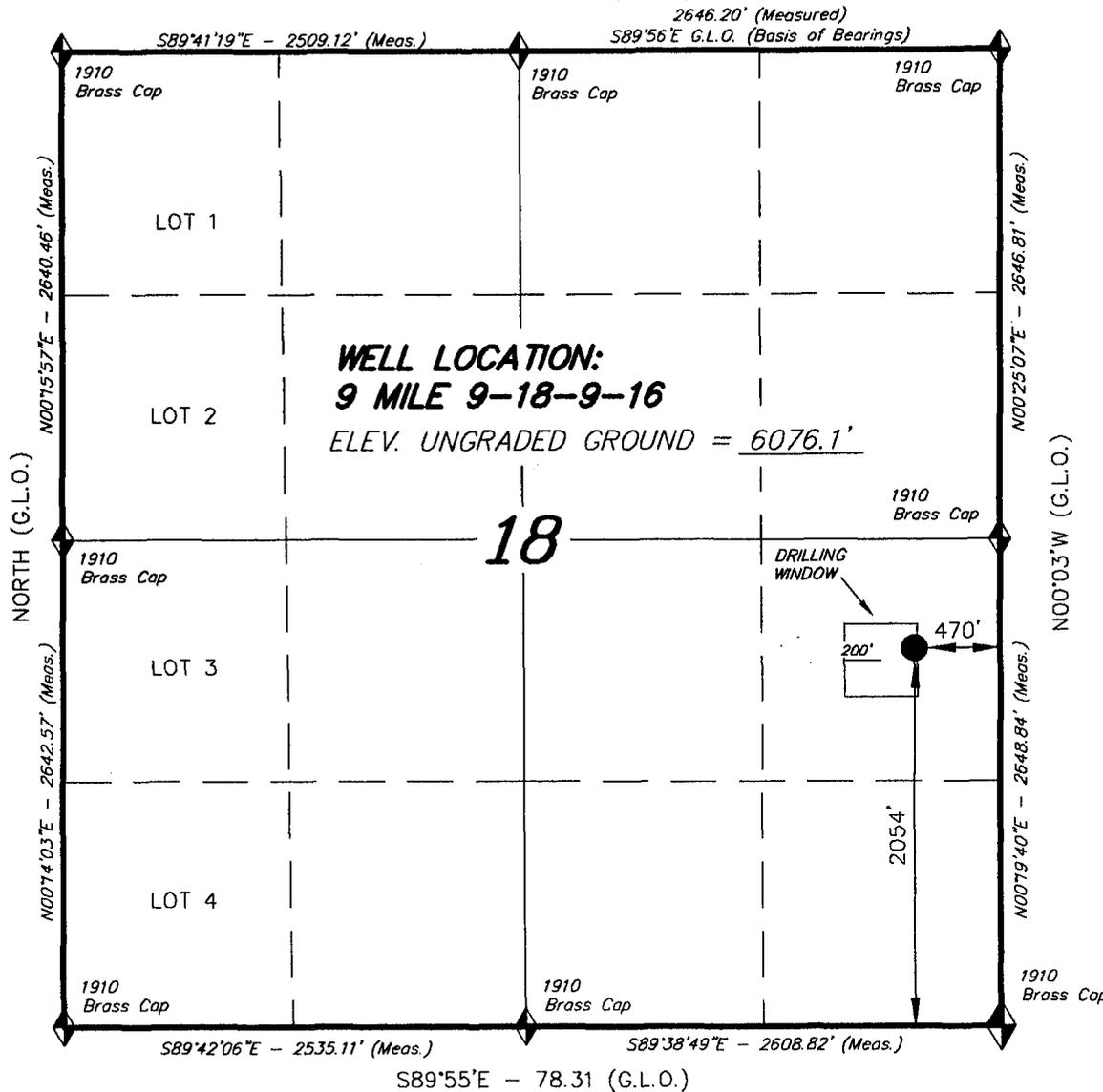
DIV. OF OIL, GAS & MINING

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

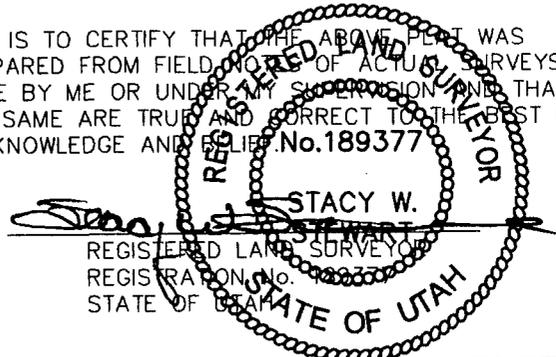
S89°56'E - 78.00 (G.L.O.)

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 9-18-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SE  
 1/4 OF SECTION 18, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 8-31-05	DRAWN BY: F.T.M.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY  
FEDERAL #9-18-9-16  
NE/SE SECTION 18, 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' – 2525'
Green River	2525'
Wasatch	6100'

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

Green River Formation 2525' – 6100' - 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 #9-18-9-16  
NE/SE SECTION 18, 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 #9-18-9-16 located in the NE 1/4 SE 1/4 Section 18, 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 - 1.8 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 9.1 miles  $\pm$  to it's junction an existing road to the southeast; proceed southeasterly - 0.8 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southeasterly along the proposed access road - 120'  $\pm$  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 surfaces 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

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-328, 1/19/05. Paleontological Resource Survey prepared by, Wade E. Miller, 5/11/05. See attached report cover pages, Exhibit "D".

For the Federal #9-18-9-16 Newfield Production Company requests 120' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 120' of disturbed area be granted in Lease UTU-64379 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 120' of disturbed area be granted in Lease UTU-74390 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 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**

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

the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner 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)

Crested Wheatgrass	<i>Agropyron Cristatum</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre
Shadscale	<i>Atriplex Confertifoli</i>	3 lbs/acre
Black Sage	<i>Artemisia Nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #9-18-9-16 was on-sited on 7/12/05. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

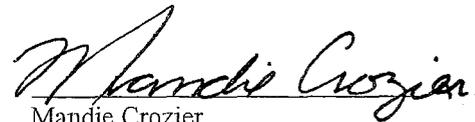
Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #9-18-9-16 NE/SE Section 18, Township 9S, Range 16E: Lease UTU-64379 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.

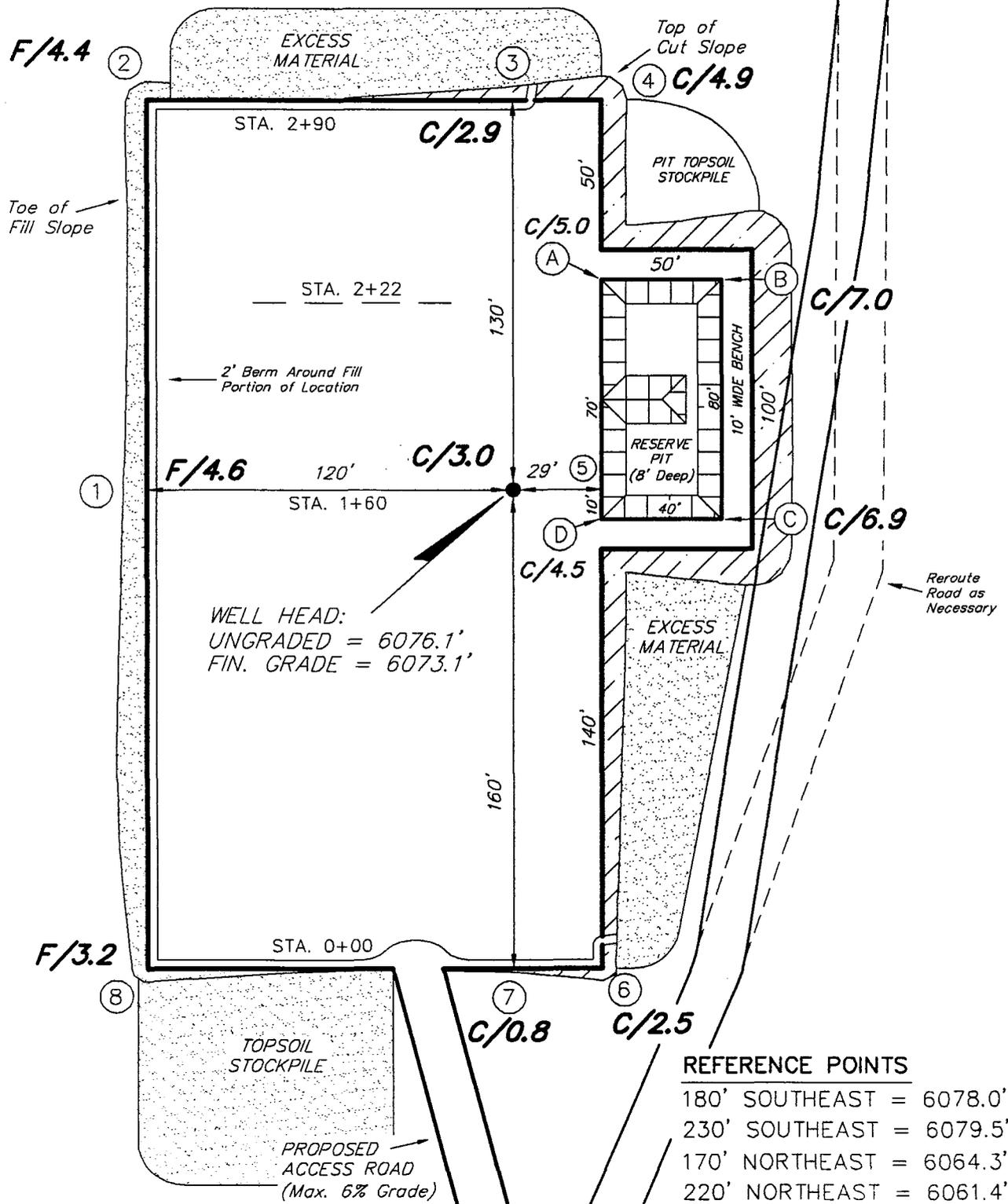
10/7/05  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 9-18-9-16

Section 18, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

180' SOUTHEAST	= 6078.0'
230' SOUTHEAST	= 6079.5'
170' NORTHEAST	= 6064.3'
220' NORTHEAST	= 6061.4'

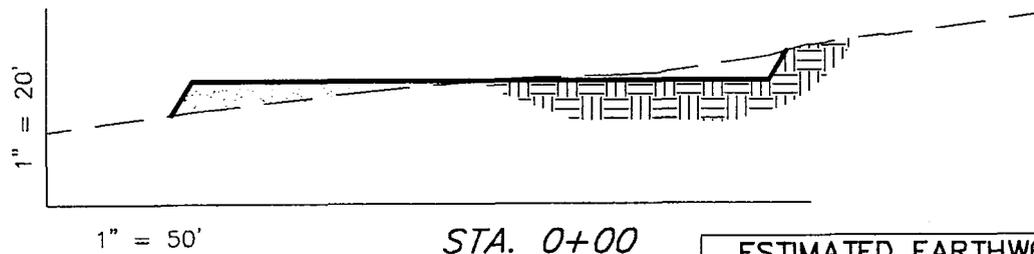
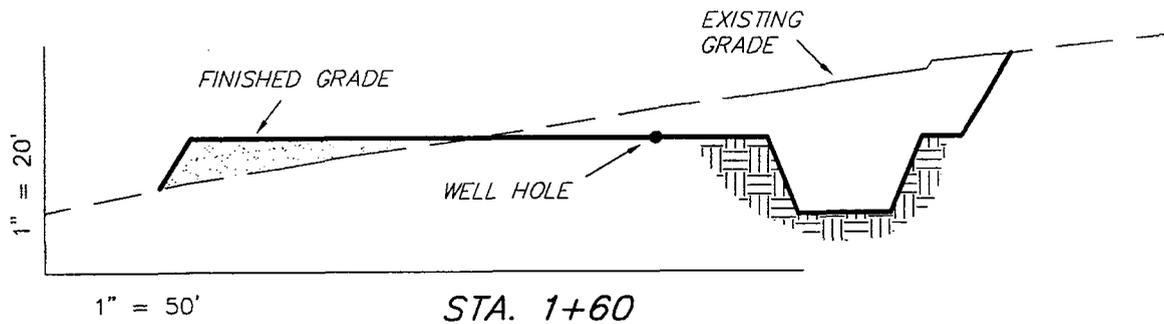
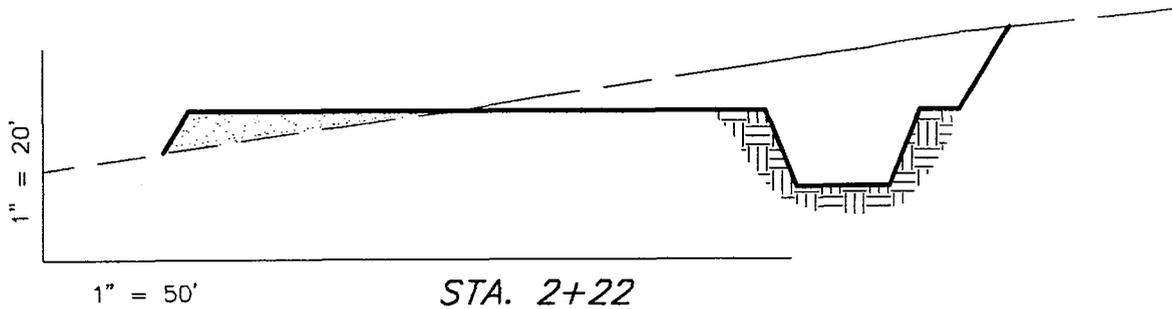
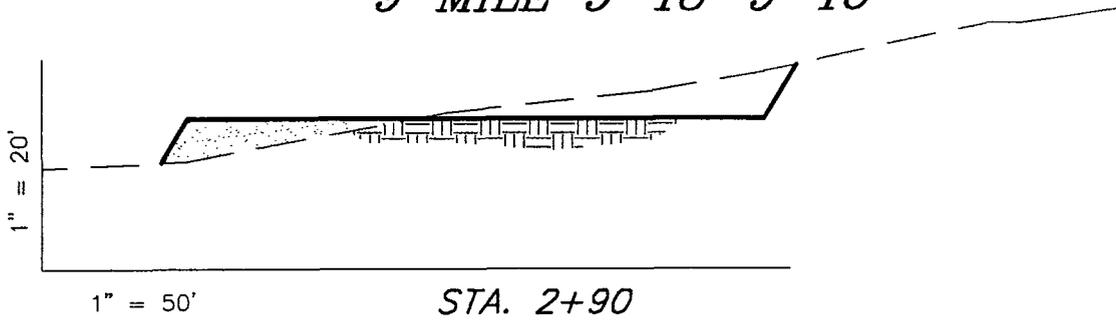
SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 8-23-05

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

9 MILE 9-18-9-16



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,720	2,720	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,360	2,720	1,020	640

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

SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

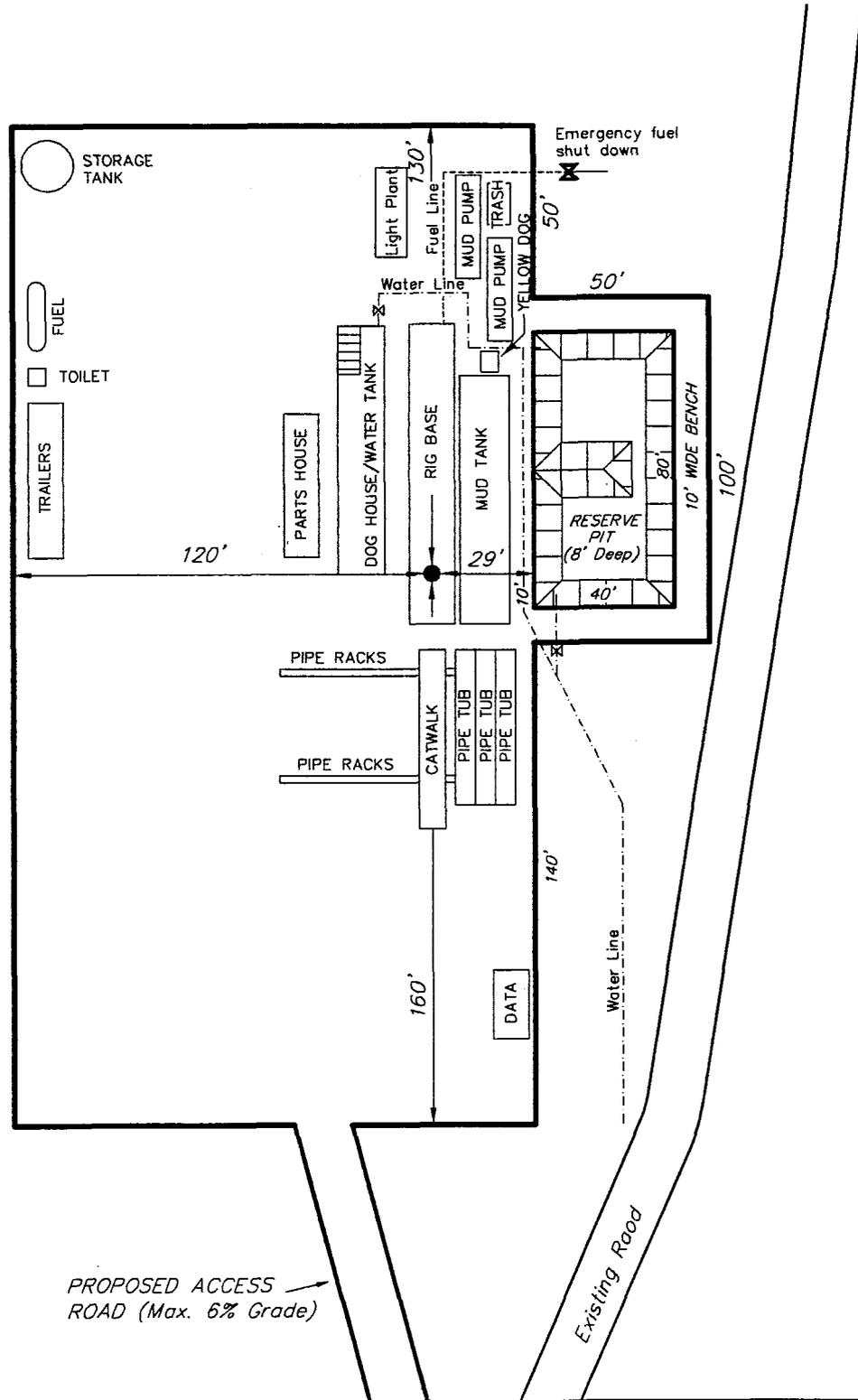
DATE: 8-23-05

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

# NEWFIELD PRODUCTION COMPANY

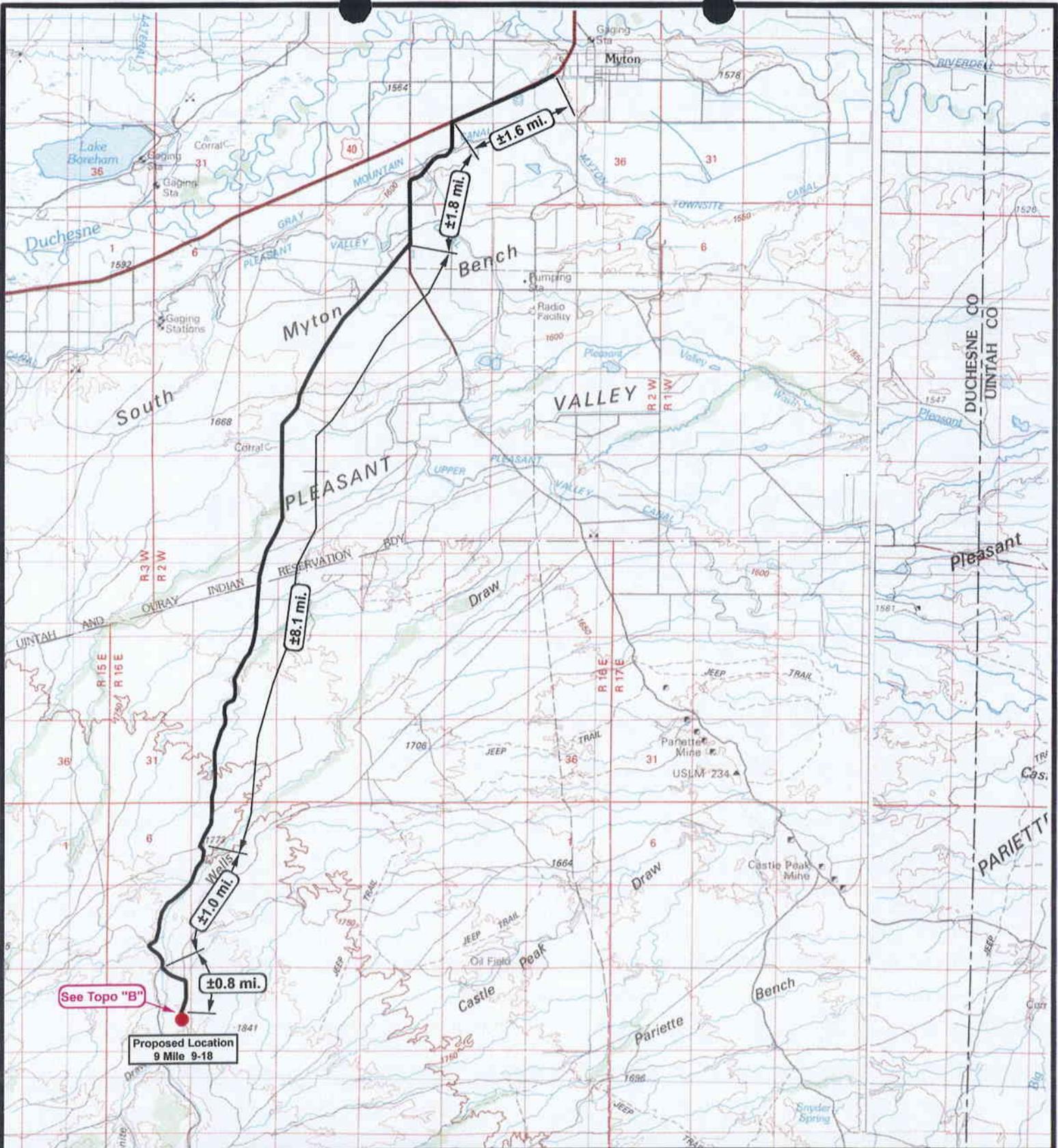
## TYPICAL RIG LAYOUT

### 9 MILE 9-18-9-16



SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 8-23-05

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



**NEWFIELD**  
Exploration Company

**9 Mile 9-18-9-16**  
**SEC. 18, T9S, R16E, S.L.B.&M.**



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

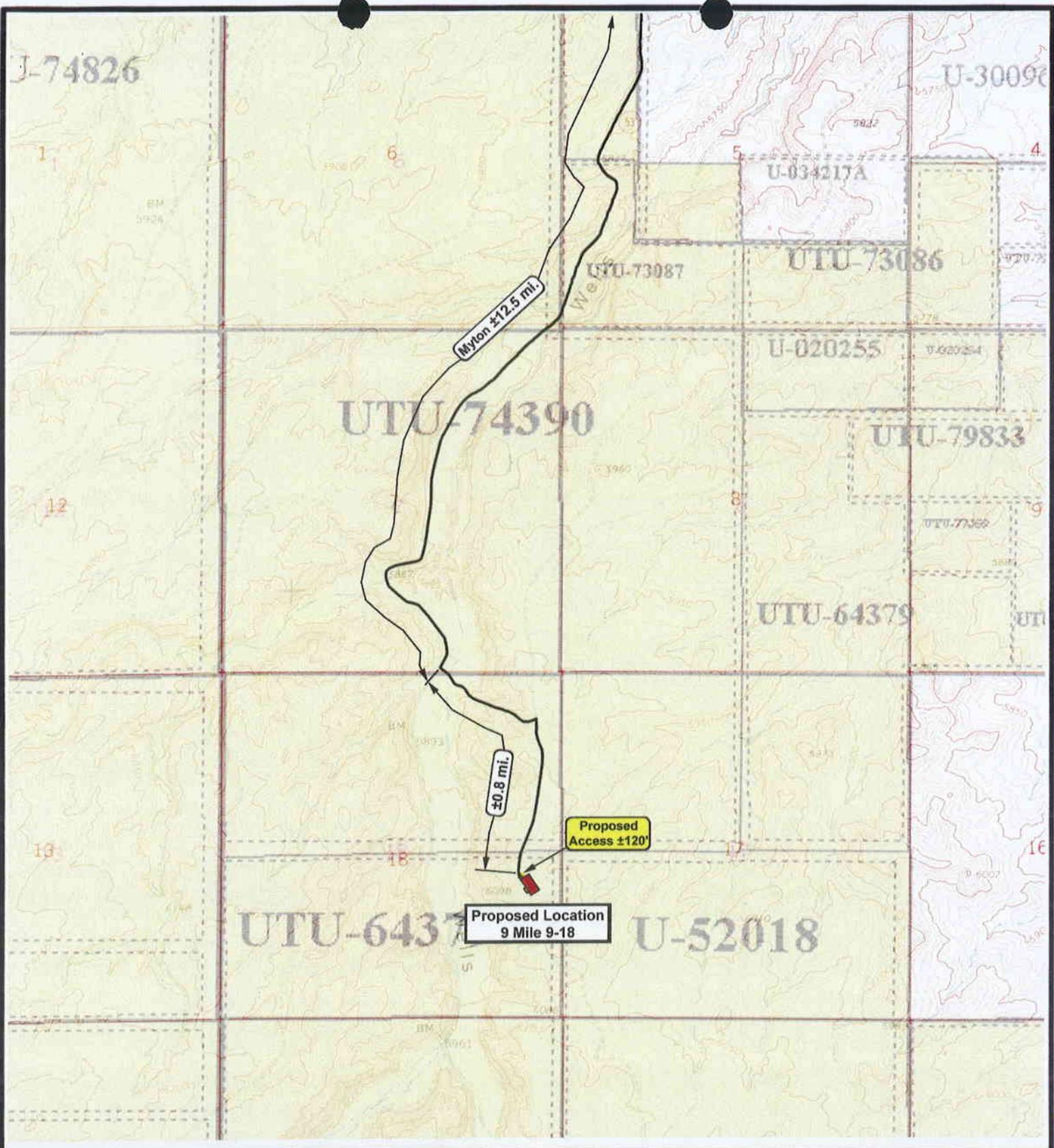
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DRAWN BY: mw  
DATE: 09-01-2005

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



 **NEWFIELD**  
Exploration Company

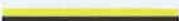
**9 Mile 9-18-9-16**  
**SEC. 18, T9S, R16E, S.L.B.&M.**



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

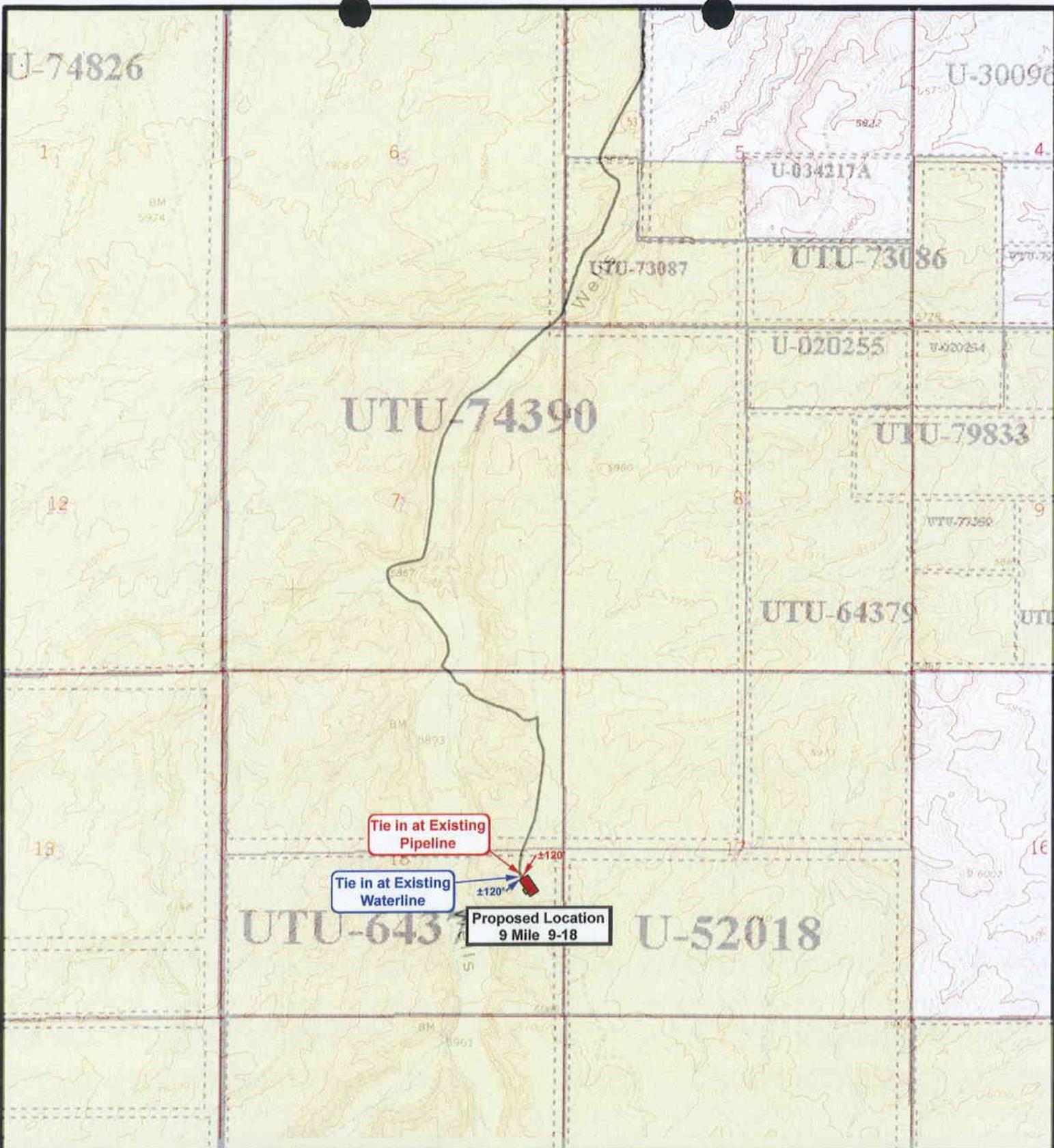
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DRAWN BY: mw  
DATE: 09-01-2005

**Legend**

-  Existing Road
-  Proposed Access

**TOPOGRAPHIC MAP**

**"B"**




**NEWFIELD**  
Exploration Company

---

**9 Mile 9-18-9-16**  
**SEC. 18, T9S, R16E, S.L.B.&M.**




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

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SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 09-01-2005

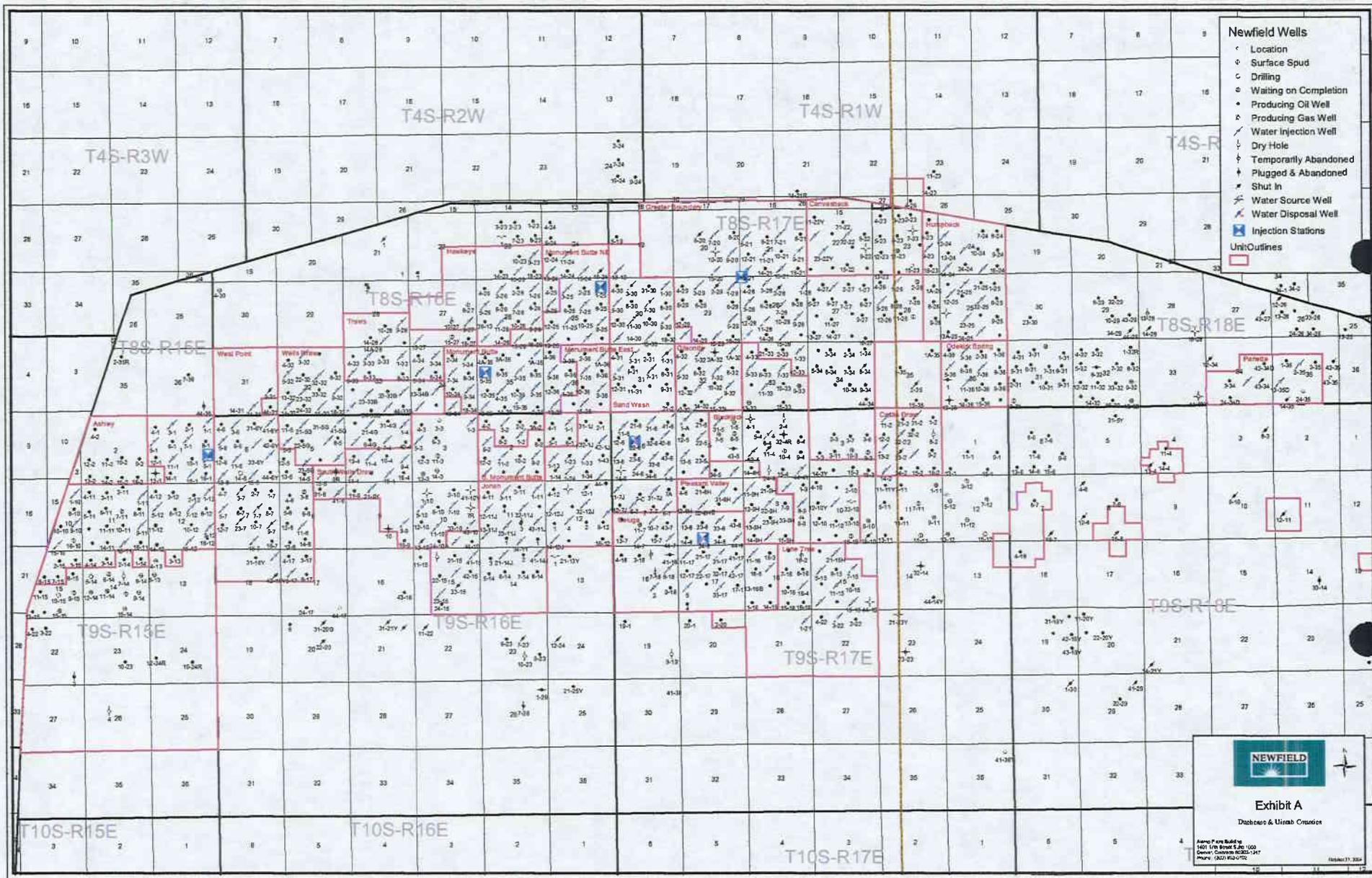
**Legend**

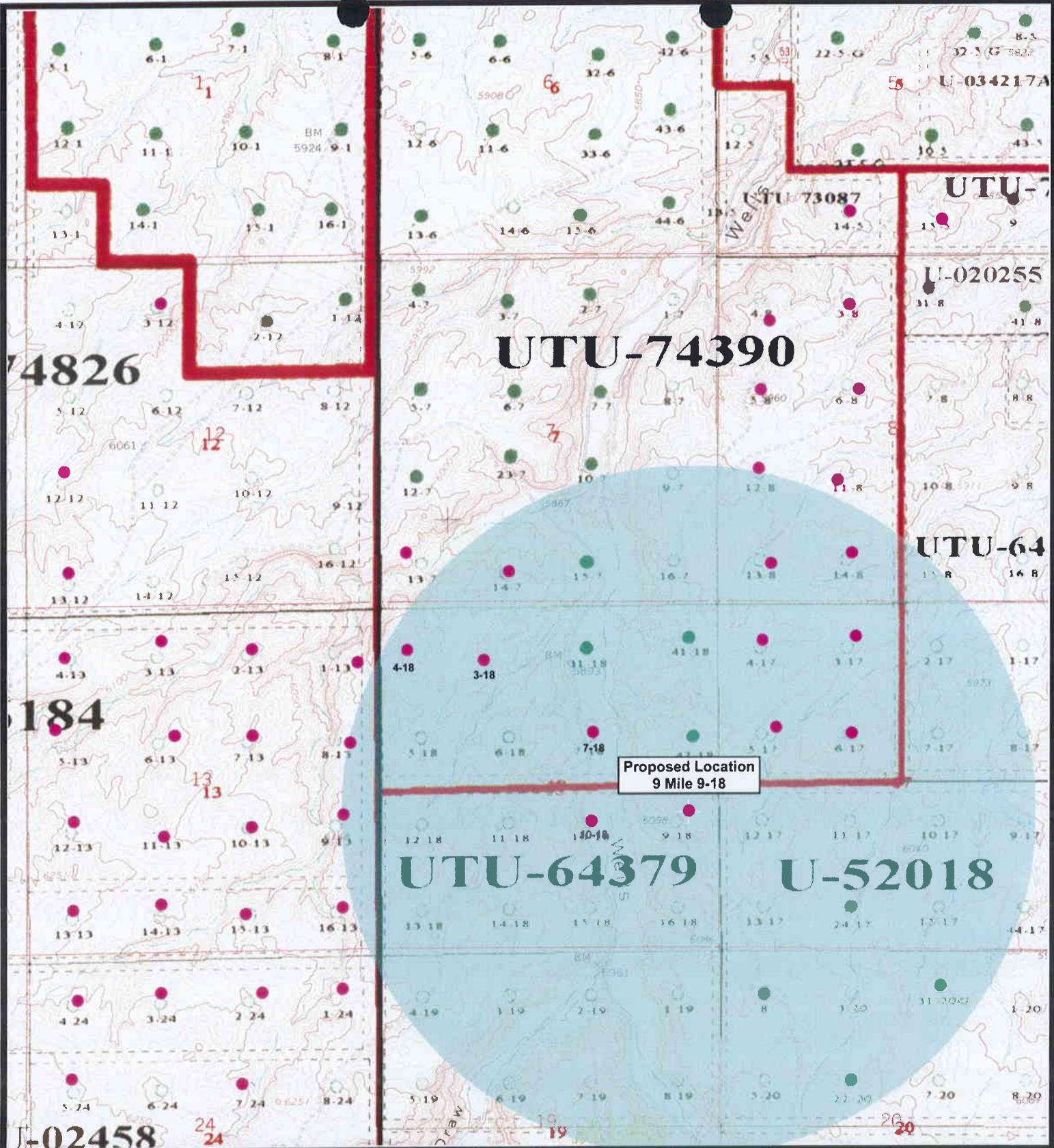
-  Roads
-  Proposed Gas Line
-  Proposed Water Line

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TOPOGRAPHIC MAP

"C"





Proposed Location  
9 Mile 9-18

**NEWFIELD**  
Exploration Company

---

**9 Mile 9-18-9-16**  
**SEC. 18, 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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SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 09-01-2005

**Legend**

- Well Locations
- One-Mile Radius

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**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

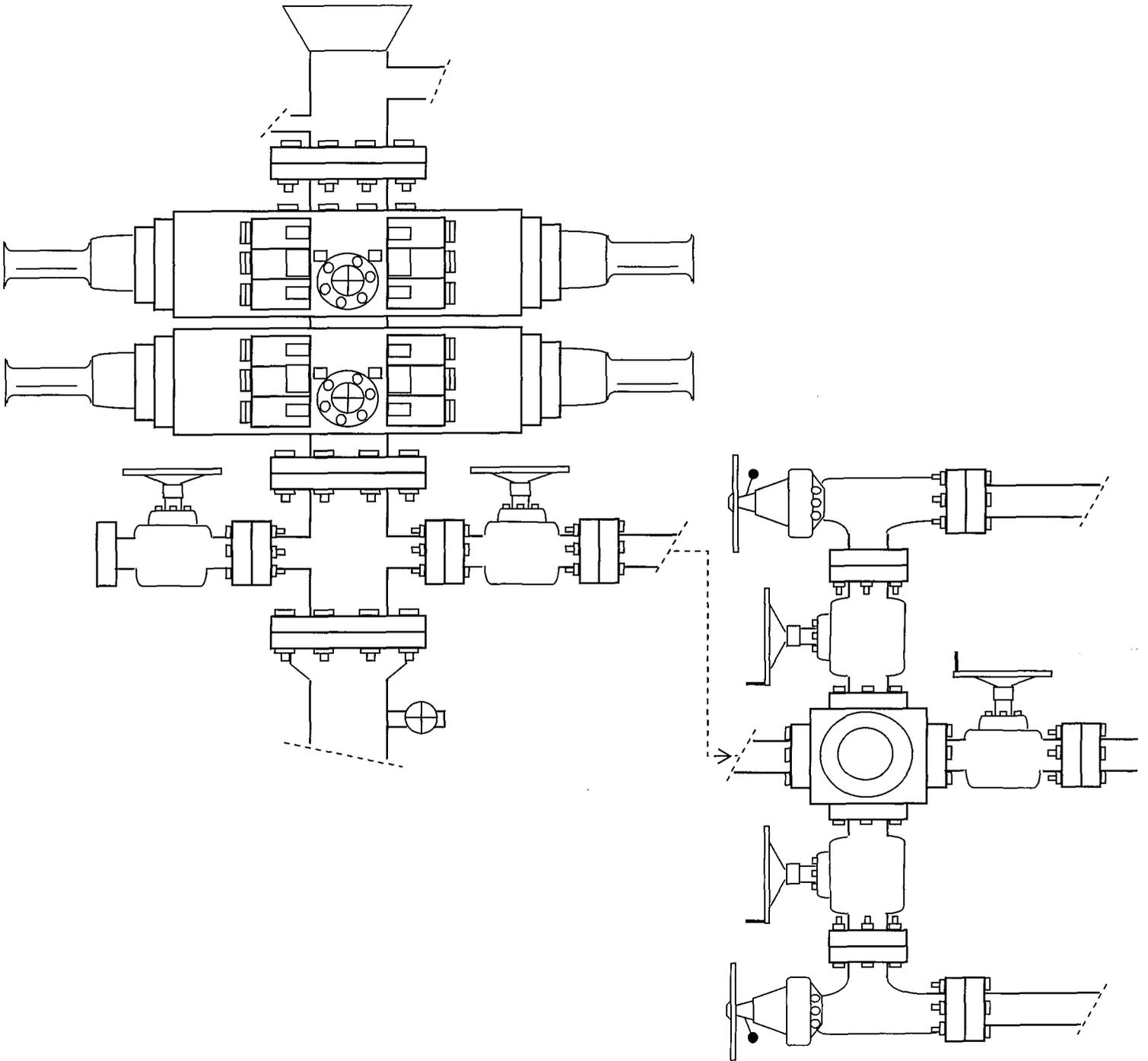


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 18;  
DUCHESNE COUNTY, UTAH

By:

Kylie Lower-Eskelson  
and  
Keith R. Montgomery

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:

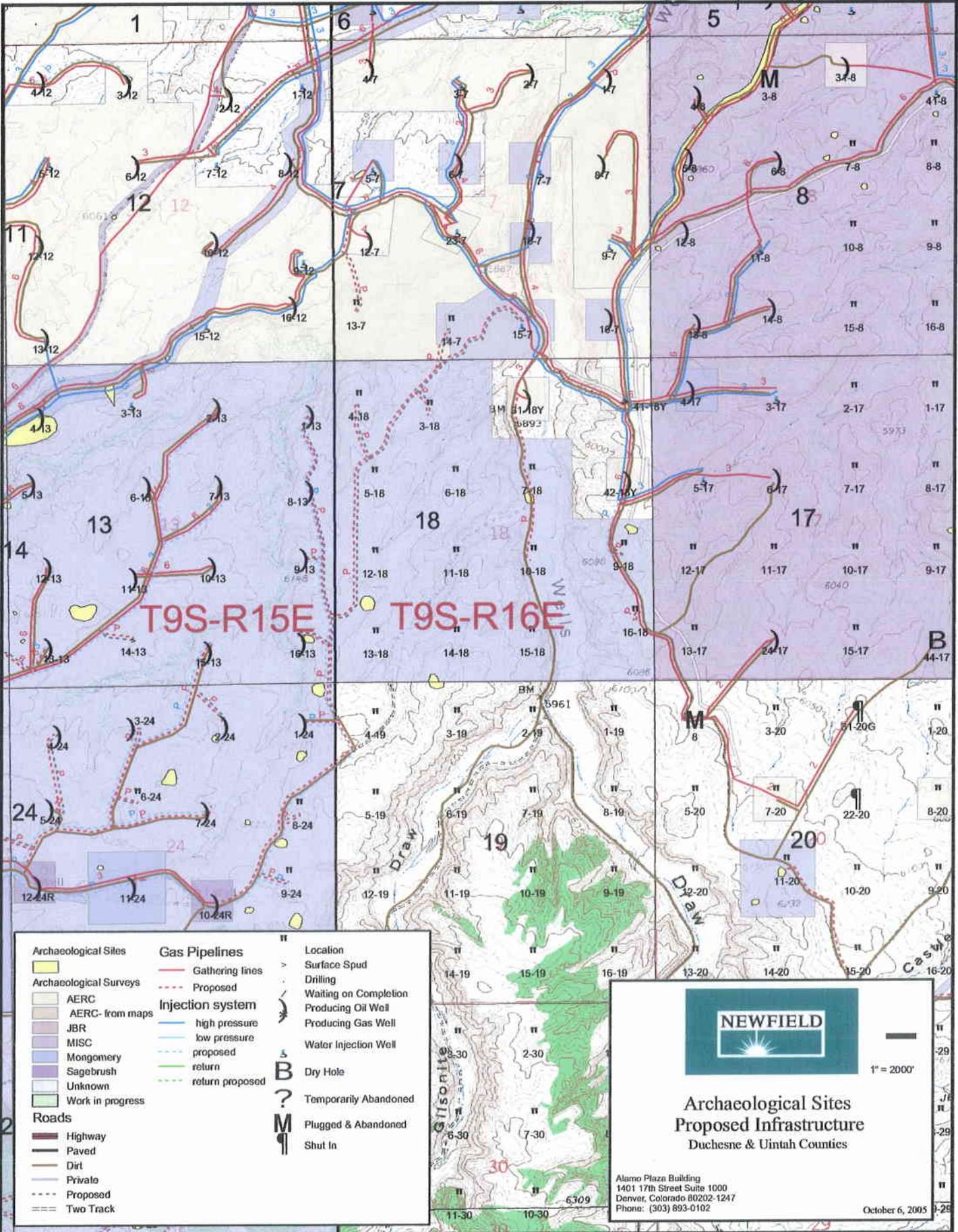
Montgomery Archaeological Consultants, Inc.  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-328

January 19, 2005

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-1477b



Archaeological Sites	Gas Pipelines	Location
Archaeological Surveys	Gathering lines	Surface Spud
AERC	Proposed	Drilling
AERC - from maps	Injection system	Waiting on Completion
JBR	high pressure	Producing Oil Well
MISC	low pressure	Producing Gas Well
Montgomery	proposed	Water Injection Well
Sagebrush	return	Dry Hole
Unknown	return proposed	Temporarily Abandoned
Work in progress		Plugged & Abandoned
<b>Roads</b>		Shut In
Highway		
Paved		
Dirt		
Private		
Proposed		
Two Track		



1" = 2000'

### Archaeological Sites Proposed Infrastructure Duchesne & Uintah Counties

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

October 6, 2005

**NEWFIELD PRODUCTION COMPANY**

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

Section 3, T 9 S, R 17 E [NE 1/4 & NW 1/4, NE 1/4 and NE 1/4, NW 1/4  
& SW 1/4, NW 1/4, and NE 1/4 & NW 1/4, SE 1/4]; Section 18, T 9 S, R 16 E  
[excluding NE 1/4, NW 1/4, & SE 1/4, NE 1/4]; Section 15, T-9 S, R 17 E [SE 1/4/ NE 1/4];  
Section 18, T 9 S, R 17 E [western half of section plus SE 1/4 & SW 1/4, SE 1/4];  
Section 33, T 8 S, R 16 E [NW 1/4, NW 1/4 and SW 1/4, NE 1/4]

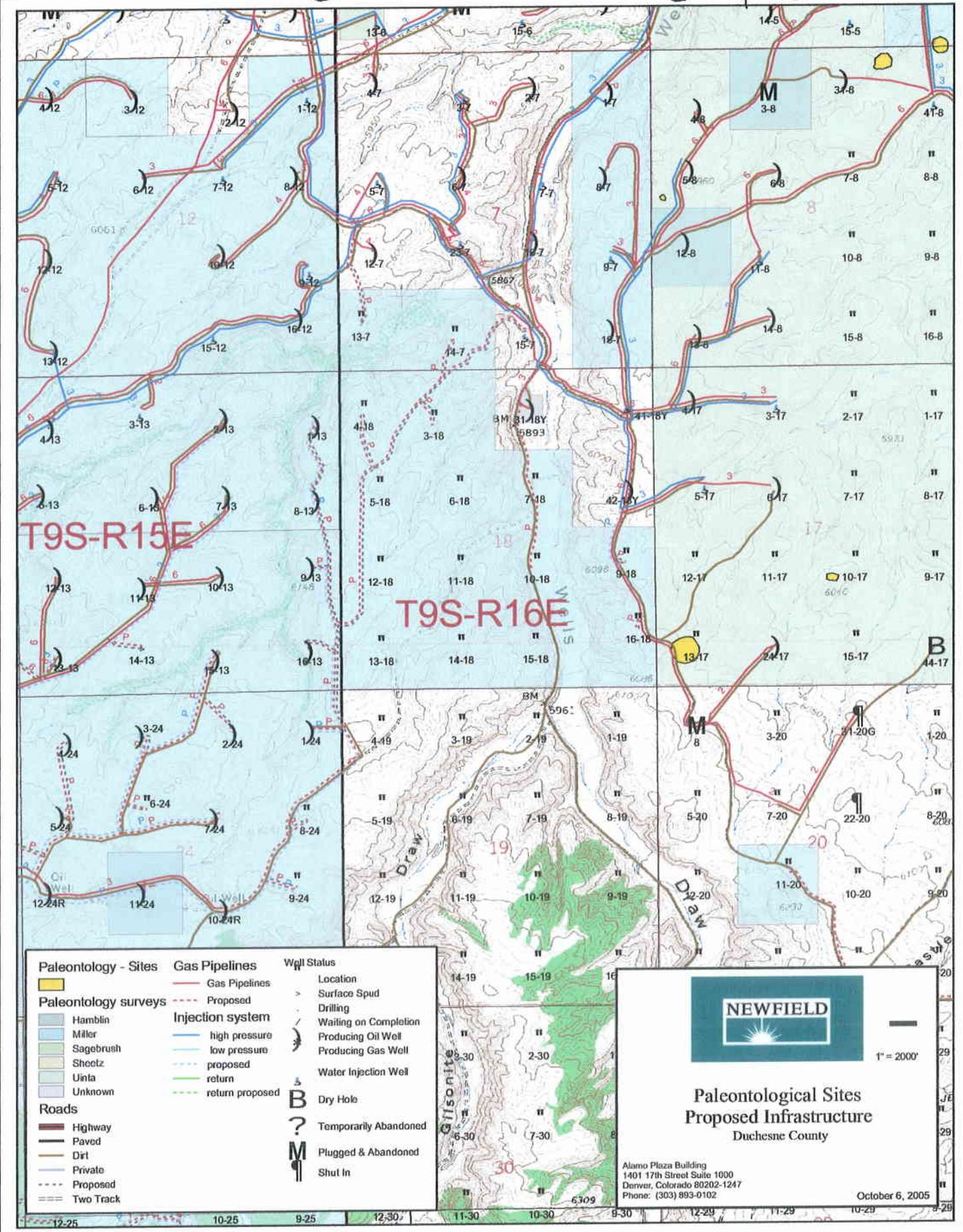
**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
May 11, 2005



Paleontology - Sites	Gas Pipelines	Well Status
Paleontology surveys	Gas Pipelines	Location
Hamblin	Proposed	Surface Spud
Miller	high pressure	Drilling
Sagebrush	low pressure	Waiting on Completion
Shootz	proposed	Producing Oil Well
Uinta	return	Producing Gas Well
Unknown	return proposed	Water Injection Well
<b>Roads</b>		Dry Hole
Highway		Temporarily Abandoned
Paved		Plugged & Abandoned
Dirt		Shut In
Private		
Proposed		
Two Track		



**Paleontological Sites  
Proposed Infrastructure**  
Duchesne County

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

October 6, 2005

1" = 2000'

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/11/2005

API NO. ASSIGNED: 43-013-32920

WELL NAME: FEDERAL 9-18-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESE 18 090S 160E  
 SURFACE: 2054 FSL 0470 FEL  
 BOTTOM: 2054 FSL 0470 FEL  
 DUCHESNE  
 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-64379  
 SURFACE OWNER: 1 - Federal  
 PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

LATITUDE: 40.02937  
 LONGITUDE: -110.1536

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )
- 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:

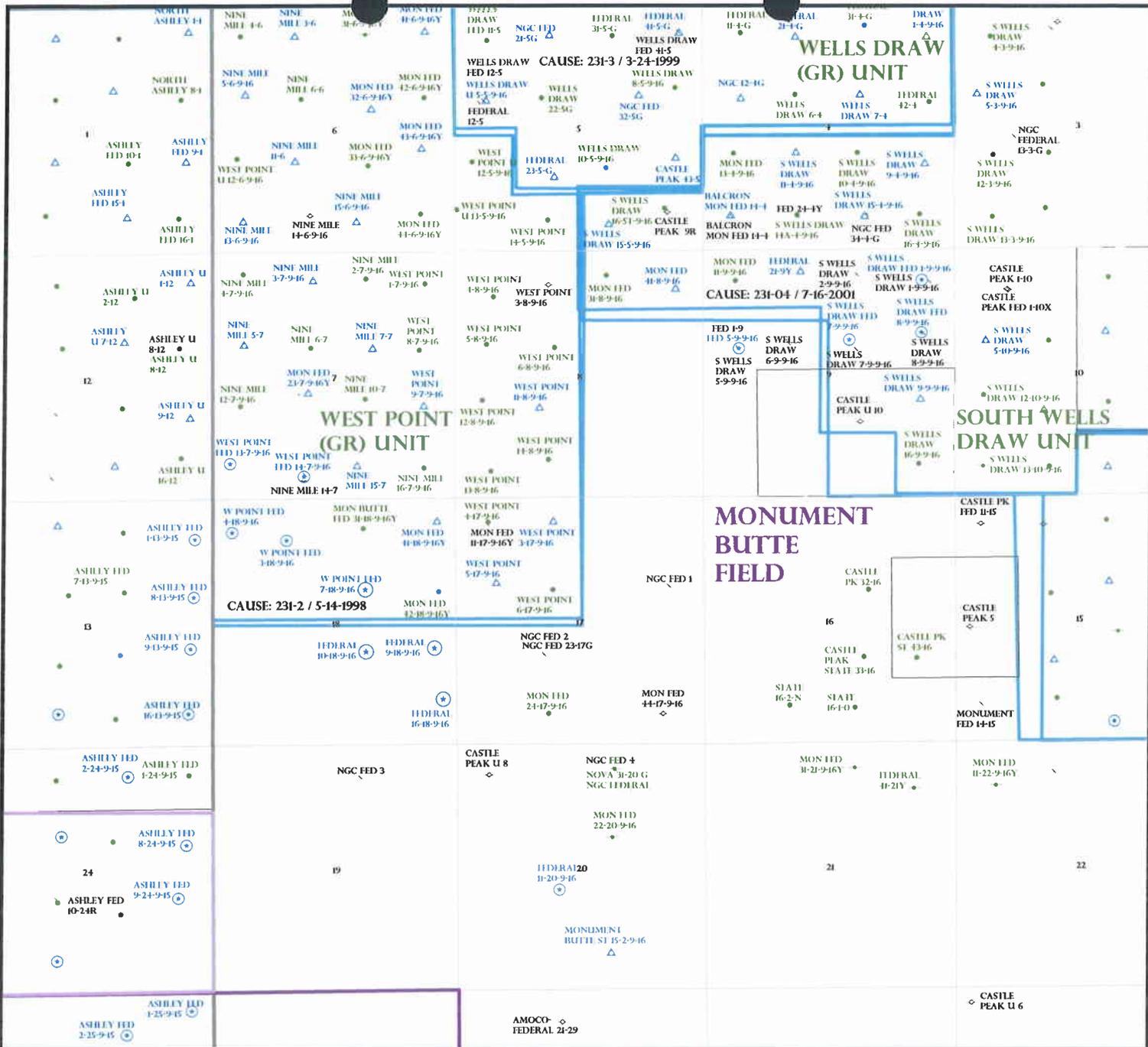
- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

1. Federal Approval  
2. Spacing Slip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 18 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

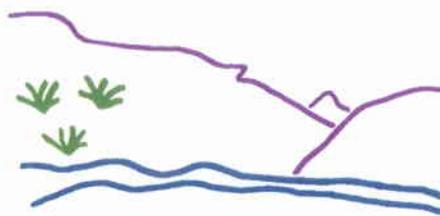
COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

- 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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 11-OCTOBER-2005



**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*

October 12, 2005

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

Re: Federal 9-18-9-16 Well, 2054' FSL, 470' FEL, NE SE, Sec. 18, 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 43-013-32920.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Federal 9-18-9-16

API Number: 43-013-32920

Lease: UTU-64379

Location: NE SE                      Sec. 18                      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.

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-64379**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well

Gas Well

Other

8. Well Name and No.

**FEDERAL 9-18-9-16**

9. API Well No.

**43-013-32920**

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

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

**2054 FSL 470 FEL NE/SE Section 18, T9S R16E**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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

**TYPE OF SUBMISSION**

Notice of Intent

Subsequent Report

Final Abandonment Notice

**TYPE OF ACTION**

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other

**Permit Extension**

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

Dispose Water

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 10/12/05 (expiration 10/12/06).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-25-06  
By: [Signature]

COPY SENT TO [unclear]  
Date: 10-10-06  
Initials: RM

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

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

9/29/2006

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes 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.

RECEIVED  
OCT 03 2006



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

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

**API:** 43-013-32920  
**Well Name:** Federal 9-18-9-16  
**Location:** NE/SE Section 18, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/12/2005

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

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

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

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

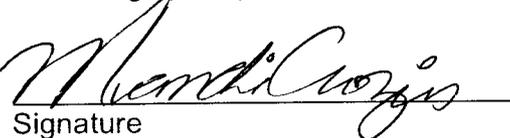
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

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

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

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

  
Signature

9/29/2006  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED  
OCT 03 2006  
DIV. OF OIL, GAS & MINING**

RECEIVED

OCT 11 2005

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-64379	
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		8. Lease Name and Well No. Federal 9-18-9-16	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 431013132920	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SE 2054' FSL 470' FEL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximatley 13.3 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area NE/SE Sec. 18, T9S R16E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 470' f/lse, NA' f/unit	16. No. of Acres in lease 1626.36	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. 1263'	19. Proposed Depth 6100'	20. BLM/BIA Bond No. on file UT0056	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6076' GL	22. Approximate date work will start* 2nd 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.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 10/7/05
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kewena	Date 2-7-2007
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.

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)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

FEB 13 2007

DIV. OF OIL, GAS & MINING



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  
**Well No:** Federal 9-18-9-16  
**API No:** 43-013-32920

**Location:** NESE, Sec 18, T9S, R16E  
**Lease No:** UTU-64379  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Melissa Hawk	435-781-4476	435-828-7381
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

**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 NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	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 Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	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)**

**DRILLING AND CONSTRUCTION**

- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- Prior to construction the operator must consult with the U.S. Army Corps of Engineers regarding compliance with Section 404 of the Clean Water Act.
- In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.
- The reserve pit shall be double lined with felt and a 12 ml or greater liner.
- 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 liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).
- Prevent fill and stock piles from entering drainages.
- **CULTURAL AND PALEONTOLOGICAL RESOURCES** - Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery shall be made by the authorized officer to determine appropriate actions to prevent the loss of

significant cultural or scientific values. The holder shall be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

- The access road shall be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location or access road.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.

#### INTERIM RECLAMATION

- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.

Interim Reclamation Seed Mix for location:

Crested wheatgrass	Agropyron cristatum	4 lbs/acre
	Per Live Seed Total	4 lbs/acre

- Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture shall be doubled and the area raked or chained to cover the seed. Seeding shall be conducted in fall.

## COMPLETION AND PRODUCTION

- All Blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.
- During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.
- The dikes for the production facilities will be constructed of compacted subsoil, be impervious, hold 110% the capacity of the largest tank with (one) 1 foot of freeboard and be independent of the backcut. All galvanized material used for dikes shall be painted on the inside and outside. Dikes shall be installed before production starts. Diking of the entire location will only be used as a secondary means of containment.
- Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe of the backcut.
- Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed starting date.
- No production pits shall be allowed on the location.
- Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.
- All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (see well stipulations for color specific to each well). All facilities shall be painted within twelve (12) months of installation.
- The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.
- Equipment not being used for production shall not be stored on the well location.
- All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

## ABANDONED WELL – FINAL RECLAMATION

- A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved.
- The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.

- The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-half inch using a seed drill. Weed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.
- When seeding *Artemisia* spp or shrubs broadcast seed and chain the area.
- Final reclamation shall be a stage process.
- If invasive or undesirable species are present in the area the location to be reclaimed will be sprayed with a pesticide in fall preferably October. (pesticide determined by the Vernal Field Office).
- 30 days after treatment drill seed the location with 4 lbs/acre Crested wheatgrass.
- Once the desired pioneer species has established (2 yrs +) the seeded area shall be sprayed in a mosaic pattern with the above determined pesticide.
- Reseed within 30 days with an approved native final reclamation seed mix.
- Final reclamation will be considered complete once desired plants are > 5 plants per square meter and invasive or un-desirable species are < 100 plants per square meter.
- No drilling or construction from April 1 through July 15 to protect nesting Prairie Falcons. Sage Grouse Lek Nest Area—No surface use is allowed within the lek nesting areas March 1 through June 30. No surface use November 1 through April 30 to protect big game seasonal wildlife habitat. All production facilities shall be painted Olive Drab. 6" and 4" surface poly gas lines, 3" buried poly water return line and 3" steel buried water injection line.

### **General Surface COA**

**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**

- None

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

- 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.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- 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.**
- 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).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of 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.
- All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- 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.
- 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.
- 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 surface casing shoe 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\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- 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.
- 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.
- 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.
- 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:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - 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).
  - 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.
  - Unit agreement and / or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- 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.
- 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.

- 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.
- 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.

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 9-18-9-16

Api No: 43-013-32920 Lease Type: FEDERAL

Section 18 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 08/17/07

Time 11:00 AM

How DRY

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

Reported by DON BASTIAN

Telephone # (435) 823-6013

Date 08/1707 Signed CHD

# RECEIVED

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

AUG 22 2007

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

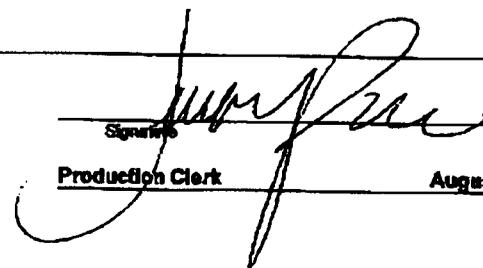
OPERATOR ACCT. NO. N2695

DIV. OF OIL, GAS & M.

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	12276	4301333618	WELLS DRAW FED G-4-9-16	SENW	4	9S	16E	DUCHESNE	8/16/2007	8/28/07
WELL 1 COMMENTS: <i>GRRV BHL SENW</i>											
A	99999	16324	4301332920	FEDERAL 9-18-9-16	NESE	18	9S	16E	DUCHESNE	8/17/2007	8/28/07
WELL 2 COMMENTS: <i>GRRV</i>											
B	99999	12417	4301333292	LONE TREE FED 3-21-9-17	NENW	21	9S	17E	DUCHESNE	8/20/2007	8/28/07
WELL 3 COMMENTS: <i>GRRV</i>											
WELL 5 COMMENTS: <i> </i>											
WELL 6 COMMENTS: <i> </i>											

**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 - two new existing entity to another existing entity  
 D - well from one existing entity to a new entity  
 E - fiber (explain in comments section)

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

  
 Jentri Park  
 Production Clerk  
 August 22, 2007  
 Date

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.

**SUBJECT INTEREST TO AFFECT OTHER INTERESTS AND RIGHTS**

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)  
 2054 FSL 470 FEL  
 NESE Section 18 T9S R16E

5. Lease Serial No.  
 USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 9-18-9-16

9. API Well No.  
 4301332920

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

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

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

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

On 8/18/07 MIRU NDSI NS # 1. Spud well @ 11:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 307 KB. On 8/27/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Justin Crum	Title Drilling Foreman
	Date 08/28/2007

**SUBJECT INTEREST TO AFFECT OTHER INTERESTS AND RIGHTS**

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

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

(Instructions on reverse)

**RECEIVED**  
**AUG 31 2007**  
 DIV. OF OIL, GAS & MINING

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

8 5/8 CASING SET AT 307.99

LAST CASING 8 5/8" set @ \_\_\_\_\_  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 9-18-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 40.33'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	297.09
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			297.99
TOTAL LENGTH OF STRING		297.99	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>307.99</b>
TOTAL		296.14	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		296.14	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.		Spud	3:30 PM	8/17/2007	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE			5:00 PM	8/17/2007	Bbls CMT CIRC TO SURFACE <u>5</u>		
BEGIN CIRC			9:34 AM	8/27/2007	RECIPROCATED PIPE FOR <u>N/A</u>		
BEGIN PUMP CMT			9:44 AM	8/27/2007			
BEGIN DSPL. CMT			9:57 AM	8/27/2007	BUMPED PLUG TO <u>110</u> PSI		
PLUG DOWN			10:04 AM	8/27/2007			
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Justin Crum DATE 9/22/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUBMITTER: **NEWFIELD PRODUCTION COMPANY**

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 are code)  
 435.646.3721

4. Location of Well    (Footage, Sec., T., R., M., or Survey Description)  
 2054 FSL 470 FEL  
 NESE Section 18 T9S R16E

5. Lease Serial No.  
 USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 9-18-9-16

9. API Well No.  
 4301332920

10. Field and Pool, or Exploratory Area  
 MONUMENT BUTTE

11. County or Parish, State  
 DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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

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

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 09/24/2007

THIS SPACE 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 to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**  
**SEP 27 2007**

**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 \_\_\_\_\_

**5. LEASE DESIGNATION AND SERIAL NO.**  
UTU-64379

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**  
NA

**7. UNIT AGREEMENT NAME**  
Nine Mile Area

**8. FARM OR LEASE NAME, WELL NO.**  
Federal 9-18-9-16

**9. WELL NO.**  
43-013-32920

**10. FIELD AND POOL OR WILDCAT**  
Monument Butte

**11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA**  
Sec. 18, T9S, R16E

**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 2054' FSL & 470' FEL (NW/SE) Sec. 18, T9S, R18E  
 At top prod. Interval reported below

**14. API NO.** 43-013-32920 **DATE ISSUED** \_\_\_\_\_

**12. COUNTY OR PARISH** Duchesne **13. STATE** UT

**15. DATE SPUNDED** 8-18-07 **16. DATE T.D. REACHED** 9-3-07 **17. DATE COMPL. (Ready to prod.)** 9-20-07 **18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*** 6076' GL 6088' KB **19. ELEV. CASINGHEAD** \_\_\_\_\_

**20. TOTAL DEPTH, MD & TVD** 5610' **21. PLUG BACK T.D., MD & TVD** 5994' **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 5166'-5415'

**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#	307.99	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6076.98	7-7/8"	300 sx Premilite 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 @ 5930'	TA @ 5359'

**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
(LODC) 5394'-5415'	.46"	4/84	5394'-5415'	Frac w/ 85173# 20/40 sand in 688 bbls fluid
(A3) 5166'-5182'	.43"	4/84	5166'-5182'	Frac w/ 298,499# 20/40 sand in 773 bbls fluid

**33.\* PRODUCTION**

**DATE FIRST PRODUCTION** 9-20-07 **PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)** 2-1/2" x 1-1/2" x 12'x15.5' RHAC SM Plunger Pump **WELL STATUS (Producing or shut-in)** PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			---	91	98	18	1077

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

**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 Kathy Chapman TITLE Office Manager DATE 12/11/2007

TEST WITNESSED BY  
**RECEIVED**  
**DEC 13 2007**  
DIV OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

5. Lease Serial No.  
USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 9-18-9-16

9. API Well No.  
4301332920

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2054 FSL 470 FEL  
NESE Section 18 T9S R16E

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

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<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 type="checkbox"/> Water Disposal	

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The above mentioned well was put on production 9-20-07. See attached daily and final report.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Kathy Chapman	Title Office Manager
Signature 	Date 12/11/2007

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

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

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

(Instructions on reverse)

**RECEIVED**

**DEC 13 2007**

DIV. OF OIL, GAS & MINING

**Daily Activity Report****RECEIVED**

Format For Sundry

**FEDERAL 9-18-9-16****DEC 13 2007**

7/1/2007 To 11/30/2007

DIV. OF OIL, GAS &amp; MINING

**9/13/2007 Day: 1****Completion**

Rigless on 9/12/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5942' & cement top @ 137'. Perforate stage #1, LODC sds @ 5394-5415' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120°) w/ 4 spf for total of 84 shots. 143 bbls EWTR. SIFN.

**9/19/2007 Day: 2****Completion**

Rigless on 9/18/2007 - Stage #1 LODC sds. RU BJ Services. 0 psi on well. Frac LODC sds w/ 85,173#'s of 20/40 sand in 688 bbls of Lightning 17 fluid. Broke @ 2295 psi. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi. Leave pressure on well. 831 BWTR. Stage #2 A3 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 16' perf gun. Set plug @ 5330'. Perforate A3 sds @ 5166-82' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 84 shots. RU BJ Services. 2130 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. Frac A3 sds w/ 98,499#'s of 20/40 sand in 773 bbls of Lightning 17 fluid. Broke @ 3547 psi. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi. Open well to pit for immediate flowback @ 1bpm. Well flowed for 7 hrs. & started flowing trace of oil. Recovered 400 bbls. SWIFN.

**9/20/2007 Day: 3****Completion**

Western #4 on 9/19/2007 - MIRU Western #4. Bleed off well to pit. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting tbg.). Tag @ 5318'. RU powerswivel & pump. C/O to CBP @ 5330' (12' of sand). DU CBP in 18 min. Cont. RIH w/ tbg. Tag @ 5818'. C/O to 5994' & stopped making hole. Circulate well clean. Pull up to 5930'. RU swab. SFL @ surface. Made 14 runs. Recovered 120 bbls. Trace of oil, no show of sand. EFL @ 900'. SWIFN.

**9/21/2007 Day: 4****Completion**

Western #4 on 9/20/2007 - Bleed off well. RIH w/ tbg. to PBTD @ 5994'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 170 jts 2 7/8" tbg. ND BOP. Set TAC @ 5359' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 12' x 15.5' RHAC pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 91- 3/4" slick rods, 99- 3/4" guided rods, 1- 6', 4' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Fill tbg. w/ 2 bbls. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. Put well on production @ 5:30 p.m. 74" stroke length, 5 spm. Put well on test.

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



**Daily Activity Report**

Format For Sundry

**FEDERAL 9-18-9-16****6/1/2008 To 10/30/2008****8/22/2008 Day: 1****Recompletion**

Western #1 on 8/21/2008 - MIRU Western #1. RU HO trk & pump 70 BW dn annulus @ 250°F. RD pumping unit & unseat pump. Flush tbg & rods W/ 40 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 8 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH W/ rods--LD pump. No sign of scale on rods or pump. Re-flush rods W/ add'l 40 BW on TOH. RIH W/ sandline & tag PBD @ 5994' (no new fill). ND wellhead & release TA @ 5359'. NU BOP. TOH & talley production tbg to 3000'. SIFN W/ est 158 BWTR.

**8/23/2008 Day: 2****Recompletion**

Western #1 on 8/22/2008 - RU HO trk & flush tbg W/ 60 BW @ 250°F. Con't TOH & talley production tbg--LD BHA. RU Perforators LLC & run Weatherford 5 1/2" 10K solid composite bridge plug. Set plug @ 5117'. ND BOP & remove production tbg head. Install 5M frac head & NU Cameron BOP. Fill hole W/ 110 bbls 2% KCL wtr. RU HO trk & pressure test plug, frac head, blind rams & casing valves to 4500 psi. RIH W/ 12' X 3 1/8" slick perf gun. Perf A .5 sds @ 5052-64' W/ 4 JSPF. RU HO trk & breakdown perfs @ 2500 psi. Pump 5 BW into perfs @ .75 BPM @ 1800 psi. SIFN W/ est 333 BWTR.

**8/26/2008 Day: 3****Recompletion**

Western #1 on 8/25/2008 - RU BJ Services "Ram Head" frac flang. RU BJ & frac A.5 sds, stage #1 down casing w/ 49,743#'s of 20/40 sand in 459 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2479 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2143 w/ ave rate of 22.9 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2486. 792 bbls EWTR. Leave pressure on well. RU Perforators LLC. WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford (6K) composite flow through frac plug & 6', 4' perf guns. Set plug 4995'. Perforate B2 sds @ 4936-42', 4958-62' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 40 shots. RU BJ & frac stage #2 w/ 29,943#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Open well w/ 1973 psi on casing. Perfs broke down @ 3915 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1955. 1382 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6' perf gun. Set plug 4790'. Perforate D1 sds @ 4682-88' w/ 4 spf for total of 24 shots. RU BJ & frac stage #3 w/ 24,780#'s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Open well w/ 1560 psi on casing. Perfs broke down @ 2256 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2000. 1726 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6', 6' perf guns. Set plug 4480'. Perforate PB8 sds @ 4378-84', 4352-58' w/ 4 spf for total of 48 shots. RU BJ & frac stage #4 w/ 40,471#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Open well w/ 1462 psi on casing. Perfs broke down @ 2270 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2224 w/ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2177. 2116 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 14' perf gun. Set plug 4290'. Perforate GB6 sds @ 4212-26' w/ 4 spf for total of 56 shots. RU BJ & frac

stage #5 w/ 40,033#'s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Open well w/ 1564 psi on casing. Perfs broke down @ 2889 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1715. 2506 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 10' perf gun. Set plug 4155'. Perforate GB4 sds @ 4122-32' w/ 4 spf for total of 40 shots. RU BJ & frac stage #6 w/ 22,270#'s of 20/40 sand in 327 bbls of Lightning 17 frac fluid. Open well w/ 1384 psi on casing. Perfs broke down @ 2783 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1942 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1749. 2833 bbls EWTR. RD WLT & BJ. Flow well back. Well flowed for 3 hours & died w/ 400 bbls rec'd (3500#'s of sand). SIFN.

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**8/27/2008 Day: 4**

**Recompletion**

Western #1 on 8/26/2008 - Open well w/ 300 psi on casing. RD Cameron BOP's & frac head. RU production tbg head & Schaffer BOP's. RU 4-3/4" Chomp mill & x-over sub. TIH w/ tbg to tag plug @ 4155'. RU swivel, pump & tanks. Drlg out plug #1. TIH w/ tbg to tag fill @ 4241'. C/O to plug @ 4290'. Drlg out plug #2. TIH w/ tbg to tag fill @ 4367'. C/O to plug @ 4480'. Drlg out plug #3. TIH w/ tbg to tag plug @ 4790'. Drlg out plug #4. TIH w/ tbg to tag plug @ 4995'. Drlg out plug #5. TIH w/ tbg to tag fill @ 5070'. LD 2 jts tbg, EOT @ 5028'. SIFN.

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**8/28/2008 Day: 5**

**Recompletion**

Western #1 on 8/27/2008 - Open well w/ 0 psi on casing. TIH w/ tbg to tag fill @ 5070'. C/O to plug @ 5117'. Drlg out solid plug. Well went on vacuum. Took 270 bbls to get circulation. TIH w/ tbg to tag fill @ 5937'. Cleaned ot 30' of sand & lost 150 bbls water. LD 2 jts tbg. Left sand top @ 5967'. RU swab equipment. Made 13 runs to rec'd 146 bbls of fluid w/ FFL @ 2300'. Last run showed no oil w/ no sand. RD swab. TIH w/ tbg to tag no new sand. Circulate well (took 170 bbls to get circulation). TOOH w/ tbg. 48 jts out w/ EOT @ 3990'. SIFN.

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**8/29/2008 Day: 6**

**Recompletion**

Western #1 on 8/28/2008 - Open well w/ 150 psi on casing. Continue TOOH w/ tbg. RD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 2 jt tbg, TA CDI 45,000# shear, 170 jts tbg. RD BOP's. Set TA @ 5359' w/ 16,000#'s tension w/ SN @ 5424' w/ EOT @ 5489'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 16' x 20' RHAC CDI pump w/ 175"SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 91- 3/4" plain rods, 99- 3/4" guided rods, 4', 6' pony rods, 1-1/2" x 26' polished rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 2PM w/ 74" SL @ 5 spm Final Report.

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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		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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64379
		<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 9-18-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013329200000
<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> 2054 FSL 0470 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 18 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: 10/25/2012	<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 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 10/24/2012. On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

**Date:** November 01, 2012

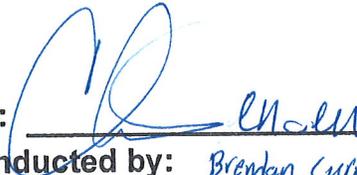
**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

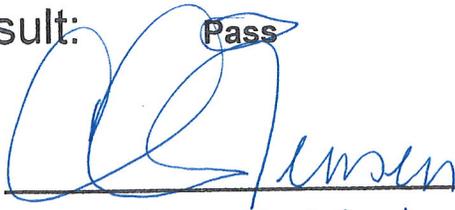
Witness:  Date 10/25/12 Time 9:45 am pm  
Test Conducted by: Brendan Curry  
Others Present: \_\_\_\_\_

Well: <u>9-18-9-16</u>	Field: <u>Greater Monument Butte</u>
Well Location: <u>Federal 9-18-9-16</u>	API No: <u>43-013-32920</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1440</u>	psig
5	<u>1440</u>	psig
10	<u>1440</u>	psig
15	<u>1440</u>	psig
20	<u>1440</u>	psig
25	<u>1440</u>	psig
30 min	<u>1440</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 450 psig

Result: Pass Fail

Signature of Witness:   
Signature of Person Conducting Test: Brendan Curry

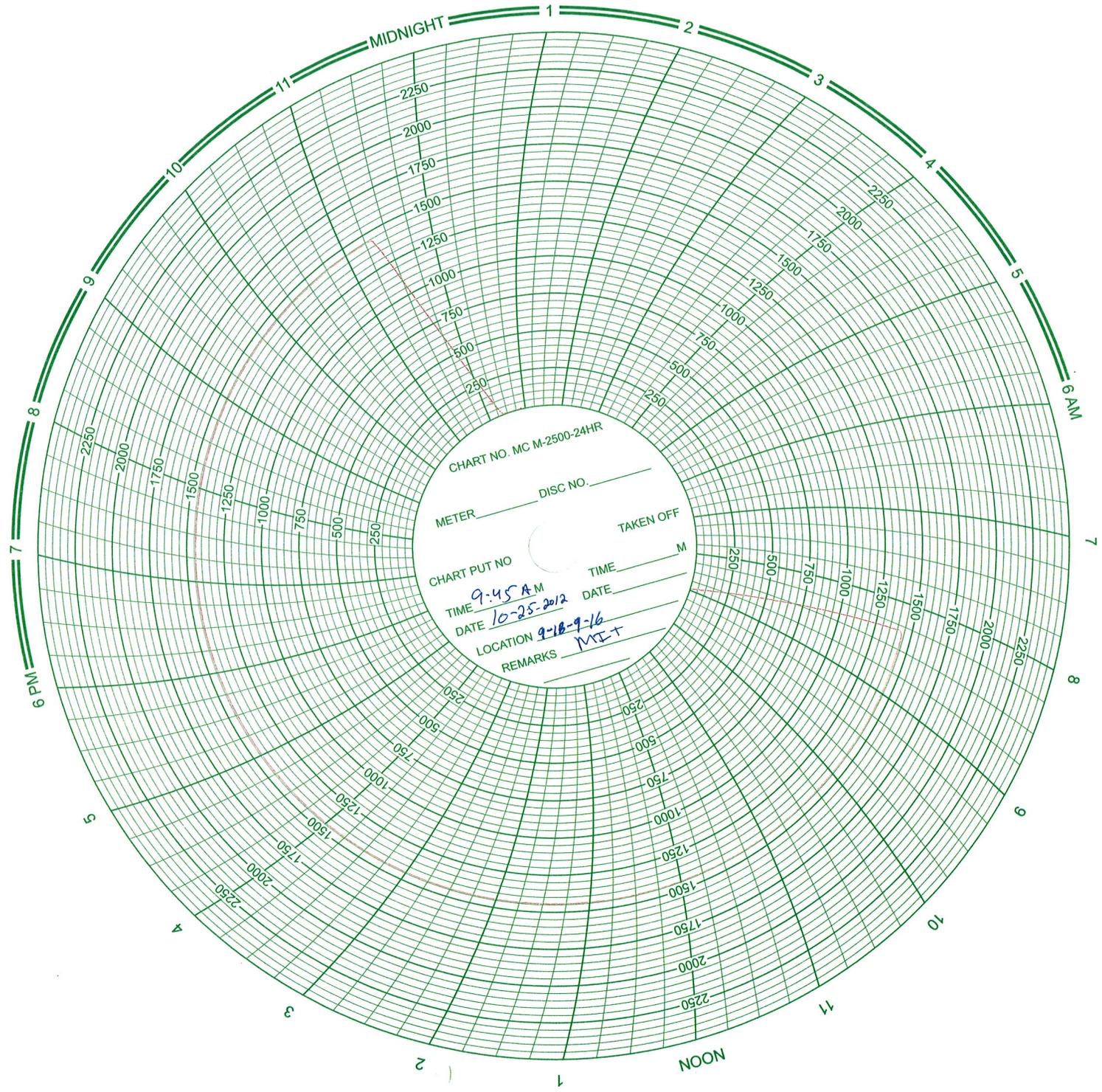


CHART NO. MC M-2500-24HR

METER \_\_\_\_\_ DISC NO. \_\_\_\_\_

CHART PUT NO. \_\_\_\_\_ TIME \_\_\_\_\_ M

TIME 9:45 AM

DATE 10-25-2012

LOCATION 9-18-9-16

REMARKS MIT

## Daily Activity Report

Format For Sundry

FEDERAL 9-18-9-16

8/1/2012 To 12/30/2012

10/22/2012 Day: 1

Conversion

NC #1 on 10/22/2012 - MIRU NC#1,H/O Csg,US pmp,Flush Tbg S/P,pmp 35 BW D/Tbg No Tst,HIT,POOH L/D Rod Strng & pmp. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$5,223

10/23/2012 Day: 2

Conversion

NC #1 on 10/23/2012 - n/u bop,Rel t/a,pooH w/tbg prod redpe tool jts,l/d excess tbg.Rih w/pkr & injctn prod strng,pmp pad D/tbg,drp sv,fill tbg,p/tst tbg to 3000 psi,good tst.swi,c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOO H Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2'' Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOO H Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2'' Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOO H Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2'' Arrow #1 Pkr, 4

3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOOH Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOOH Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,859

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**10/24/2012 Day: 3**

**Conversion**

NC #1 on 10/24/2012 - n/d bop,n/u w/hd,pmp pkr fluid,n/d w/hd,set pkr,n/u w/hd,fill csg,p/tst csg to 1500 psi,good tst,r/d Rig,Ready For MIT(Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ).

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$30,794

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**10/26/2012 Day: 4**

**Conversion**

Rigless on 10/26/2012 - Conduct initial MIT - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above

listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$115,928

---

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

NEWFIELD



October 7, 2005

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

RE: Applications for Permit to Drill: West Point Federal 7-18-9-16, Federal 9-18-9-16, 10-18-9-16, and 16-18-9-16. ✓

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 16-18-9-16 location is also 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  
OCT 11 2005  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
UTU-64379

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 9-18-9-16

9. API Well No.  
43-013-32920

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SE Sec. 18, 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/SE 2054' FSL 470' FEL 572219X 40.029367  
At proposed prod. zone 4431150Y - 110.153604

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 13.3 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. 470' f/lse, NA' f/unit  
Approx. 1263'

16. No. of Acres in lease  
1626.36

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. 1263'

19. Proposed Depth  
6100'

20. BLM/BIA Bond No. on file  
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6076' GL

22. Approximate date work will start\*  
2nd 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 10/7/05

Title Regulator Specialist

Approved by (Signature) *Bradley G. Hill* Name (Printed/Typed) BRADLEY G. HILL Date 10-12-05

Title ENVIRONMENTAL SCIENTIST III

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

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

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED !  
OCT 11 2005

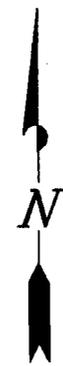
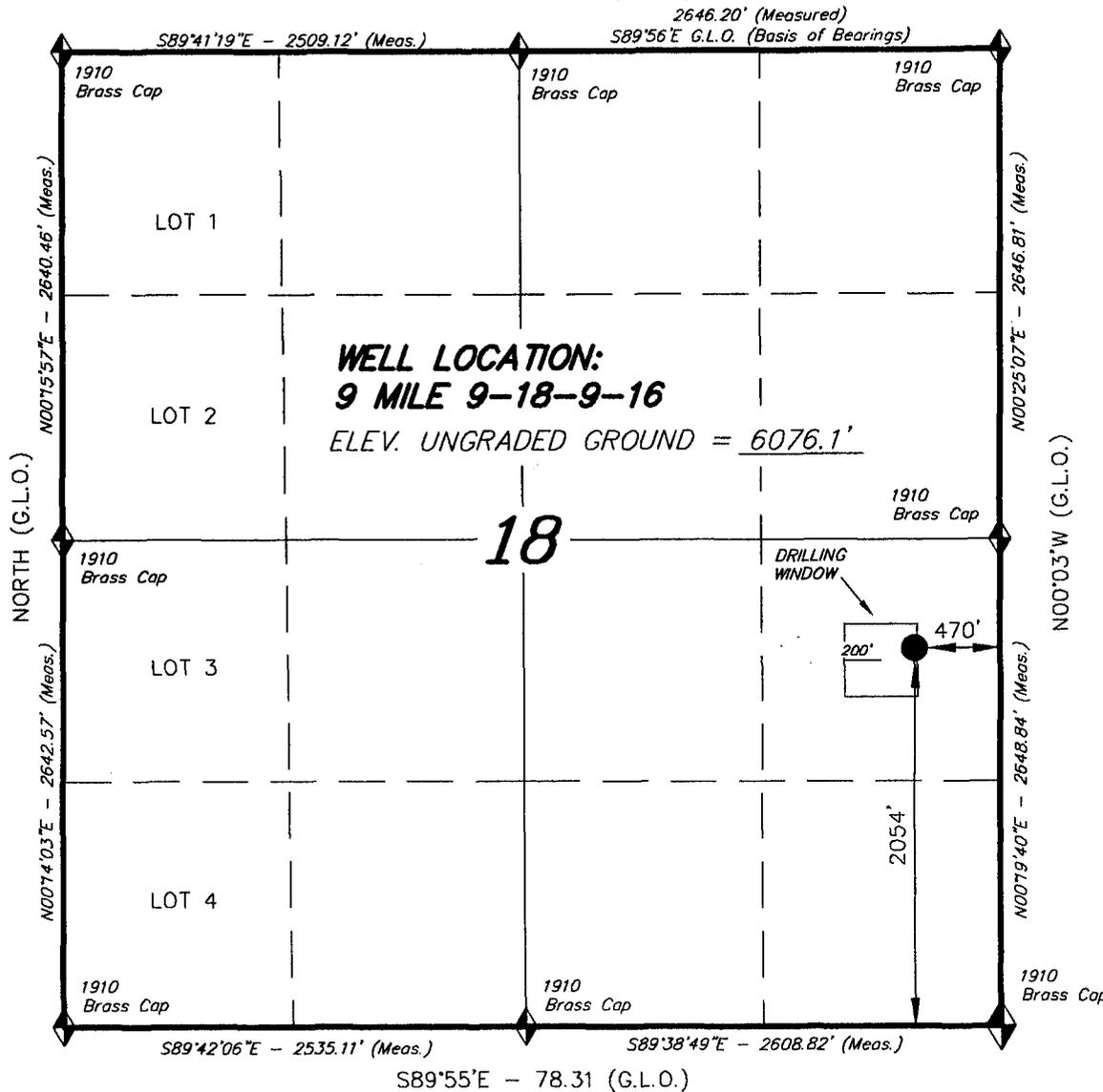
DIV. OF OIL, GAS & MINING

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

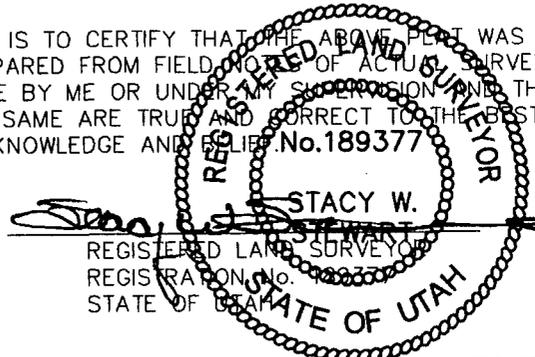
S89°56'E - 78.00 (G.L.O.)

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 9-18-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 SE  
 1/4 OF SECTION 18, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



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

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

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 8-31-05	DRAWN BY: F.T.M.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY  
FEDERAL #9-18-9-16  
NE/SE SECTION 18, 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' – 2525'
Green River	2525'
Wasatch	6100'

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

Green River Formation 2525' – 6100' - 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 #9-18-9-16  
NE/SE SECTION 18, 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 #9-18-9-16 located in the NE 1/4 SE 1/4 Section 18, 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 - 1.8 miles  $\pm$  to its junction with an existing road to the southwest; proceed southwesterly - 9.1 miles  $\pm$  to its junction an existing road to the southeast; proceed southeasterly - 0.8 miles  $\pm$  to its junction with the beginning of the proposed access road; proceed southeasterly along the proposed access road - 120'  $\pm$  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 surfaces 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

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-328, 1/19/05. Paleontological Resource Survey prepared by, Wade E. Miller, 5/11/05. See attached report cover pages, Exhibit "D".

For the Federal #9-18-9-16 Newfield Production Company requests 120' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 120' of disturbed area be granted in Lease UTU-64379 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 120' of disturbed area be granted in Lease UTU-74390 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 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**

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

the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner 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)

Crested Wheatgrass	<i>Agropyron Cristatum</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre
Shadscale	<i>Atriplex Confertifoli</i>	3 lbs/acre
Black Sage	<i>Artemisia Nova</i>	1 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #9-18-9-16 was on-sited on 7/12/05. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

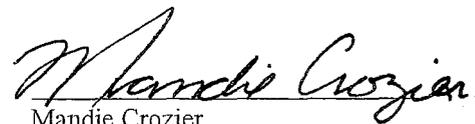
Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #9-18-9-16 NE/SE Section 18, Township 9S, Range 16E: Lease UTU-64379 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.

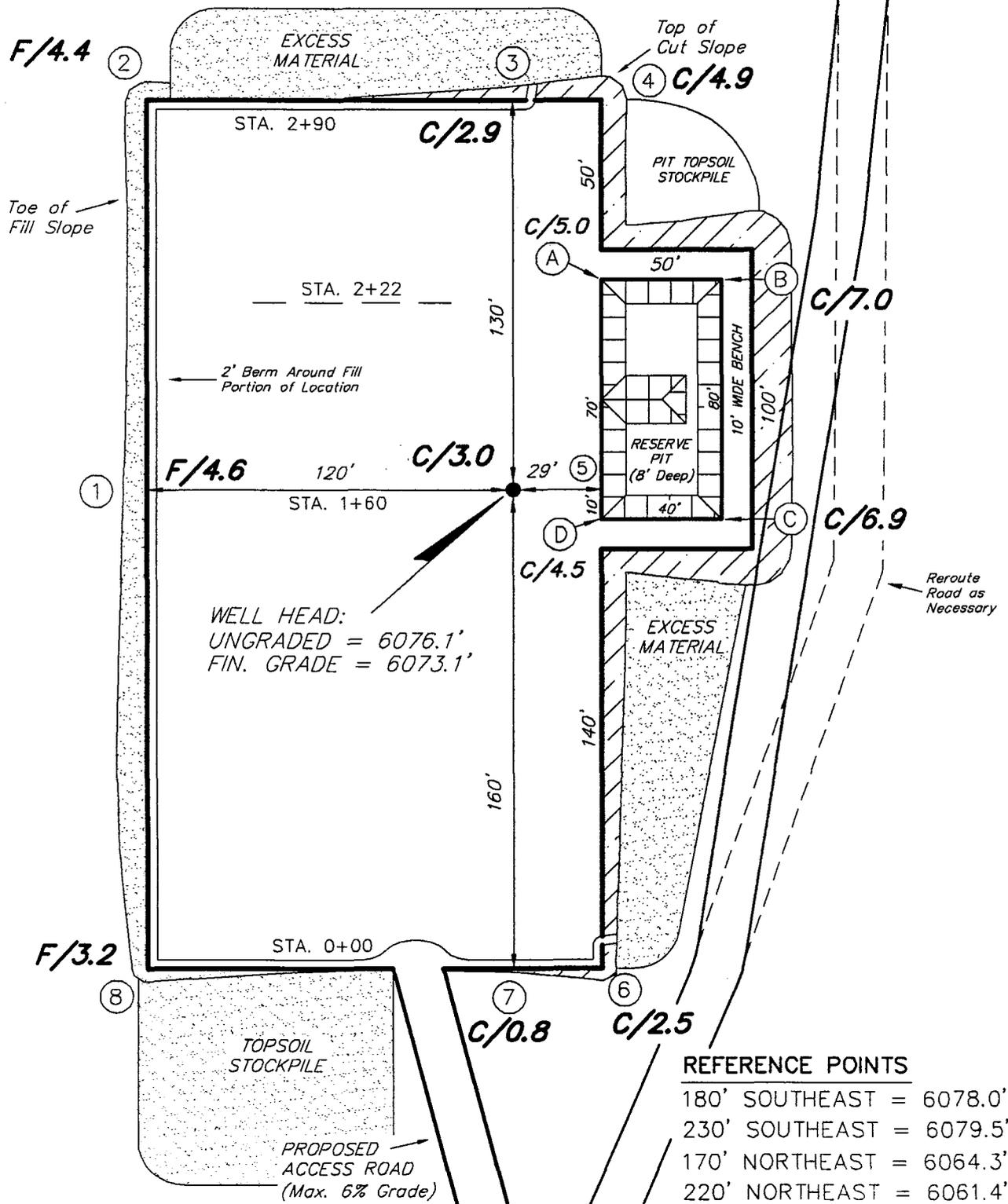
10/7/05  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 9-18-9-16

Section 18, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 6076.1'  
FIN. GRADE = 6073.1'

### REFERENCE POINTS

- 180' SOUTHEAST = 6078.0'
- 230' SOUTHEAST = 6079.5'
- 170' NORTHEAST = 6064.3'
- 220' NORTHEAST = 6061.4'

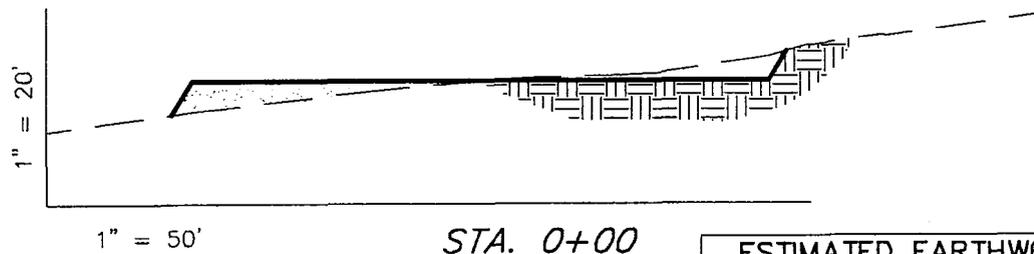
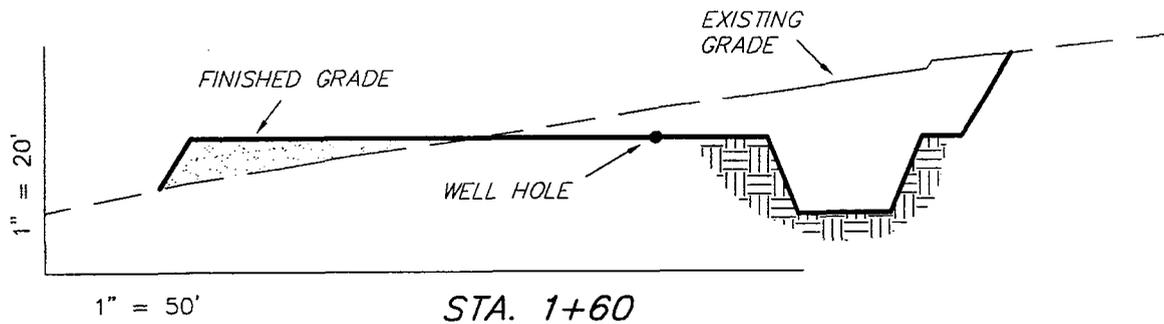
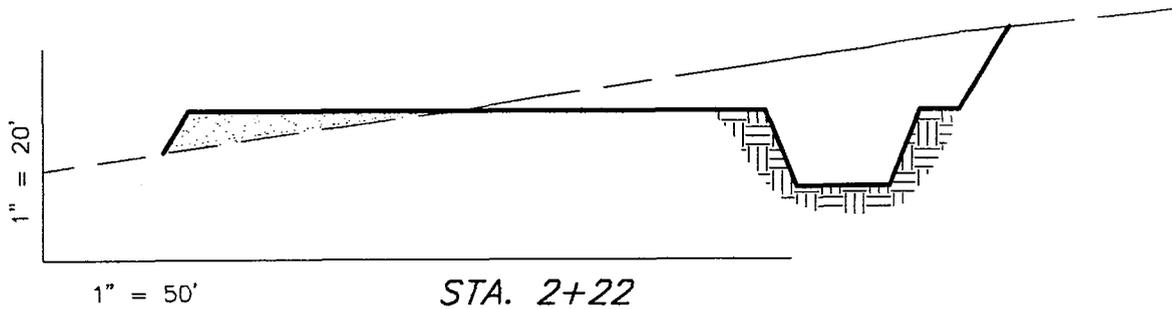
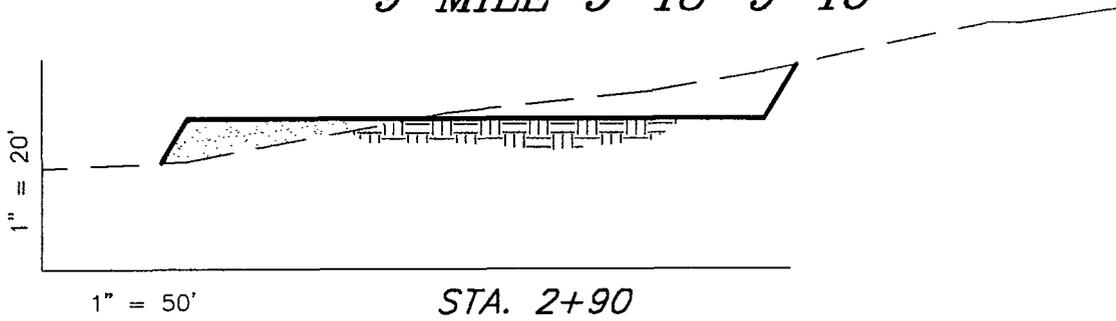
SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 8-23-05

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

9 MILE 9-18-9-16



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,720	2,720	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,360	2,720	1,020	640

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

SURVEYED BY: D.P.

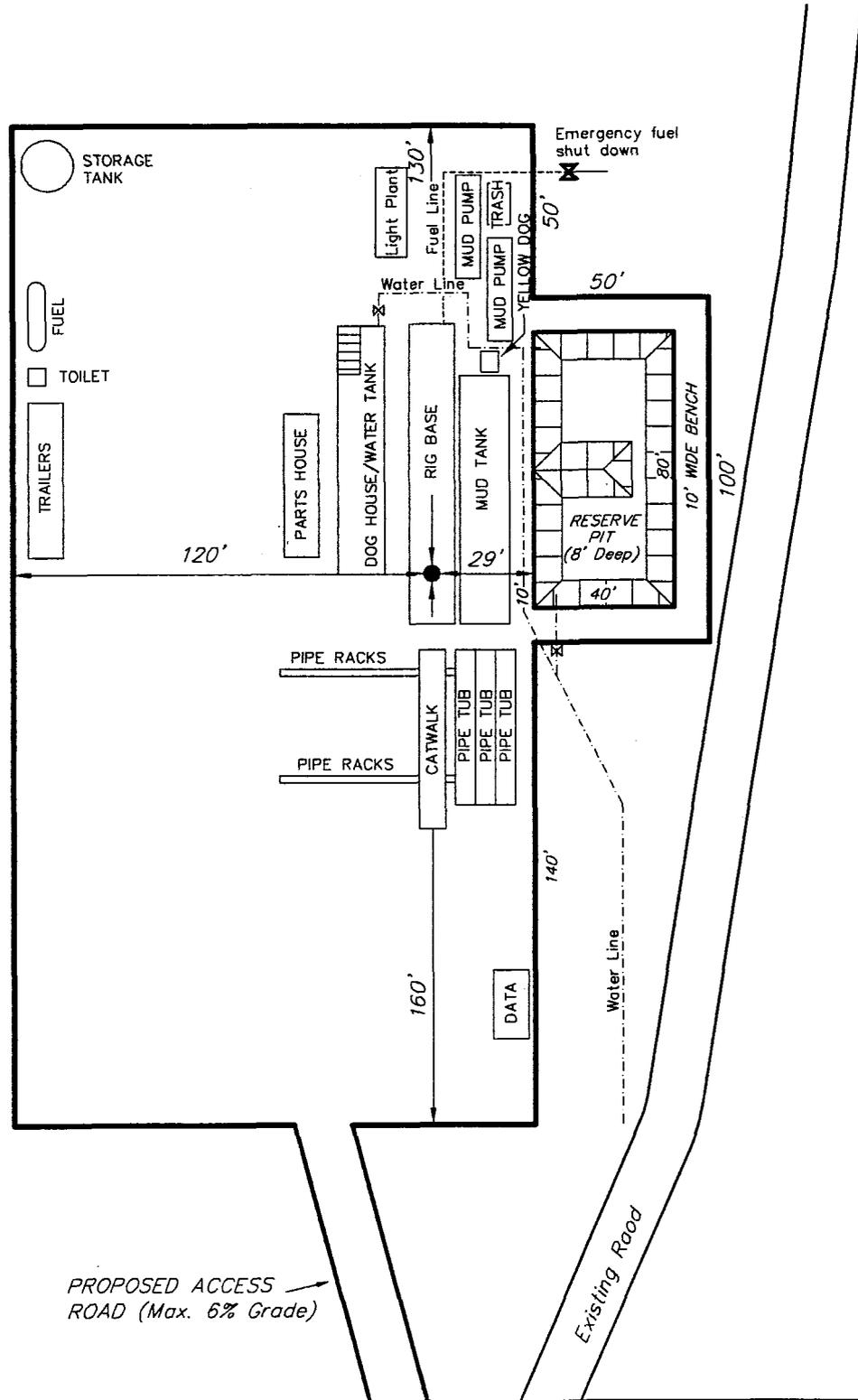
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 8-23-05

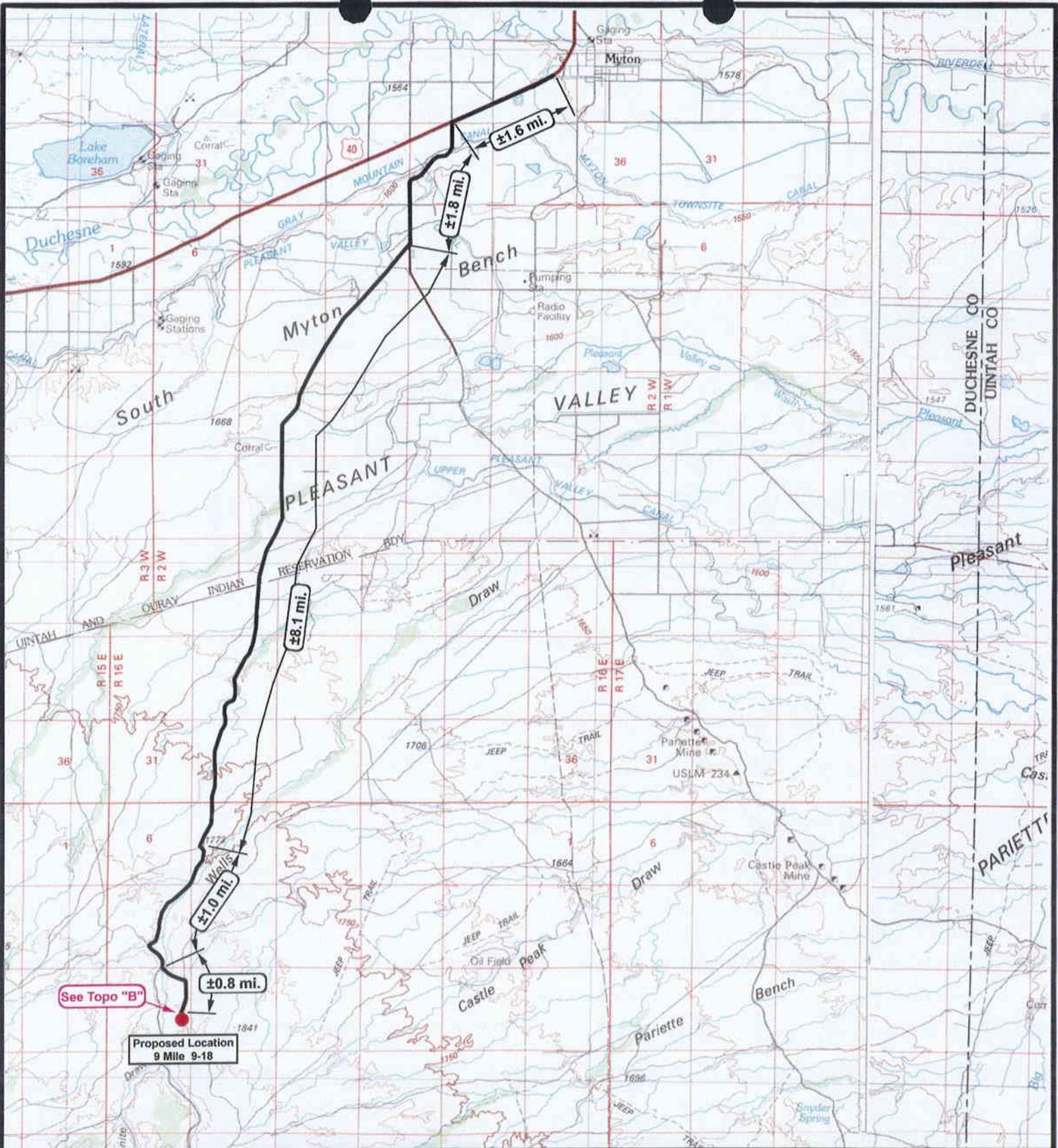
**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**9 MILE 9-18-9-16**



SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 8-23-05

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



**NEWFIELD**  
Exploration Company

**9 Mile 9-18-9-16**  
**SEC. 18, T9S, R16E, S.L.B.&M.**



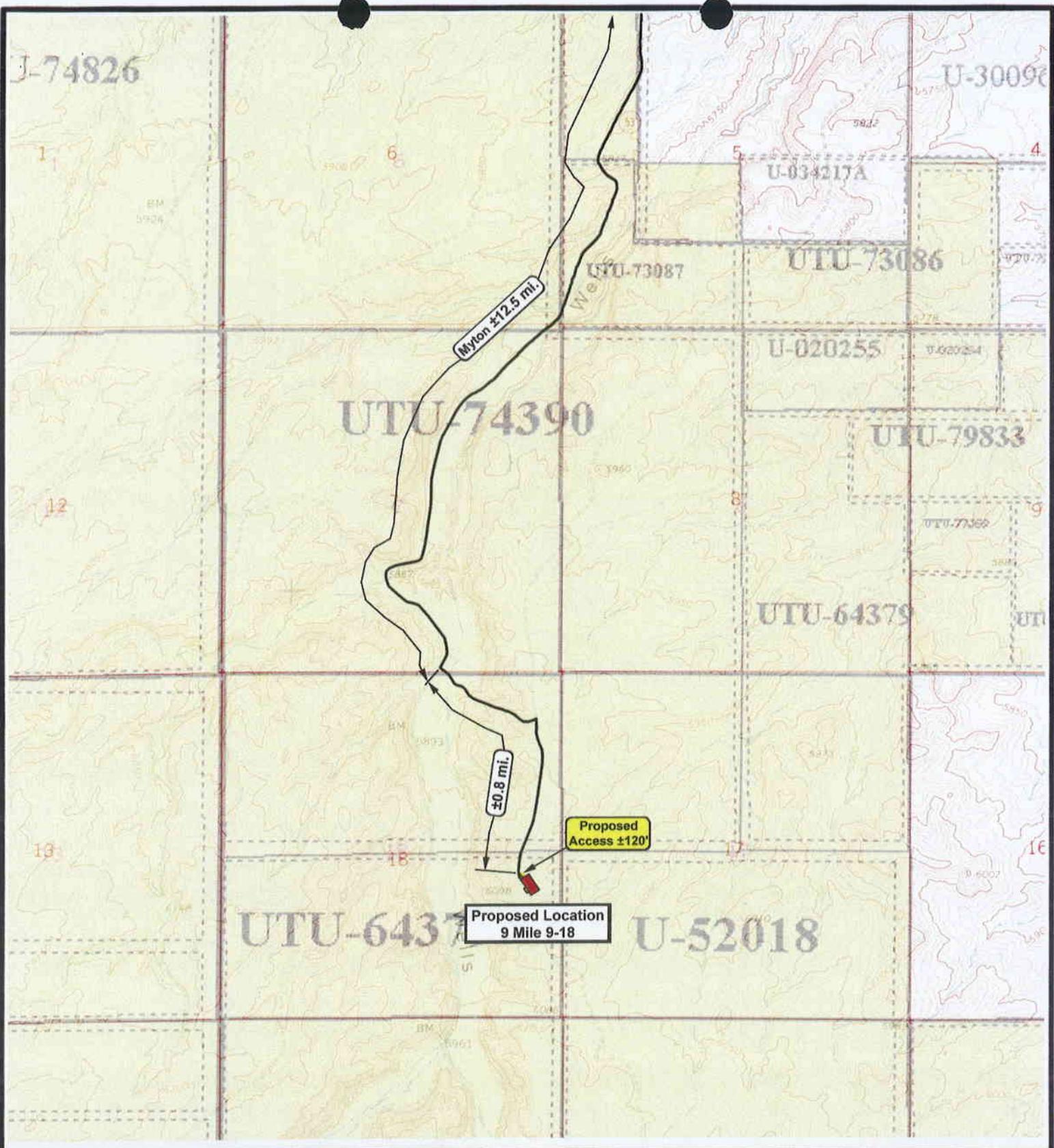
*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 09-01-2005

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"A"**



 **NEWFIELD**  
Exploration Company

**9 Mile 9-18-9-16**  
**SEC. 18, T9S, R16E, S.L.B.&M.**



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

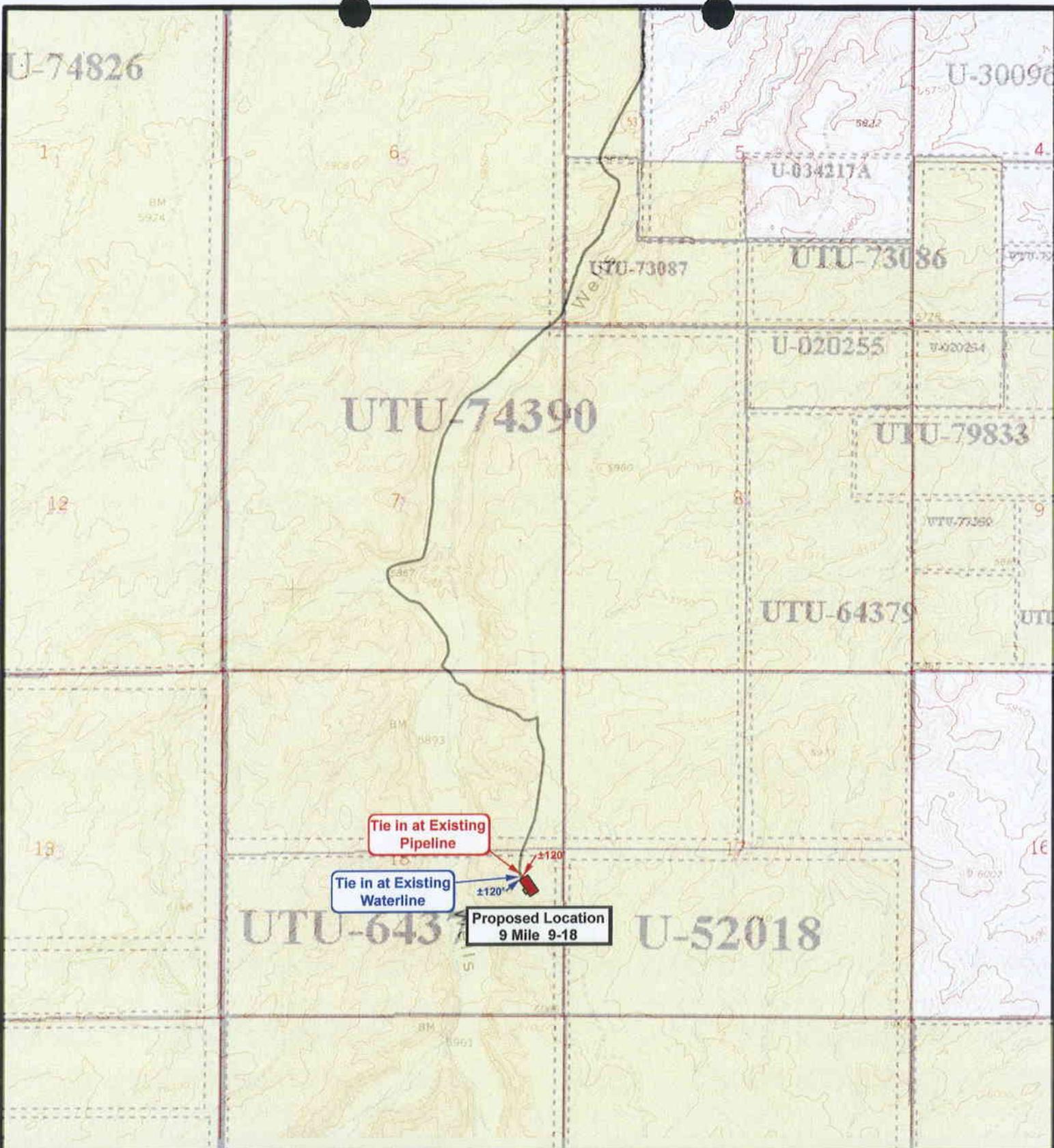
SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 09-01-2005

**Legend**

-  Existing Road
-  Proposed Access

**TOPOGRAPHIC MAP**

**"B"**



**NEWFIELD**  
Exploration Company

---

**9 Mile 9-18-9-16**  
**SEC. 18, T9S, R16E, S.L.B.&M.**



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

---

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 09-01-2005

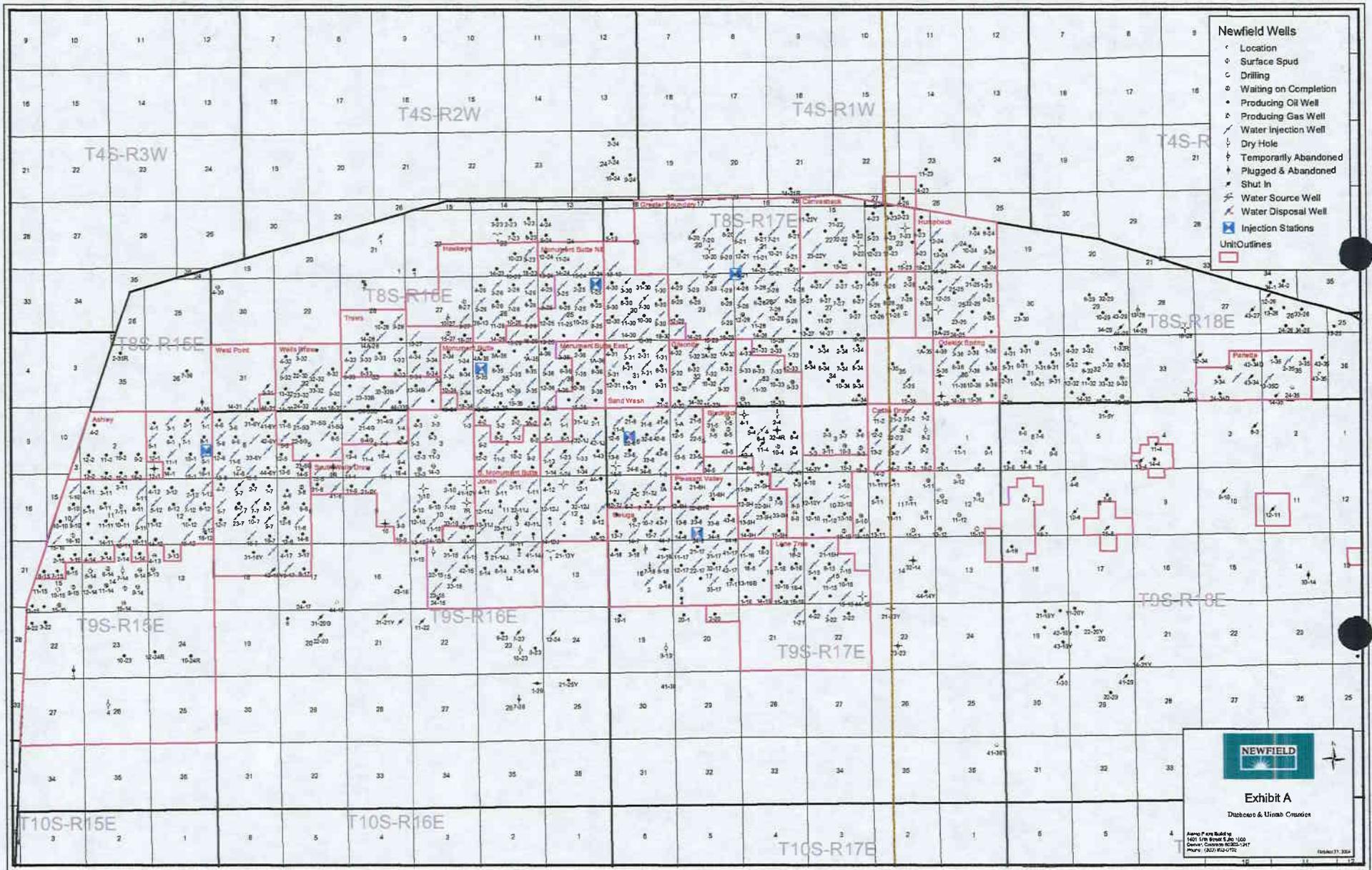
**Legend**

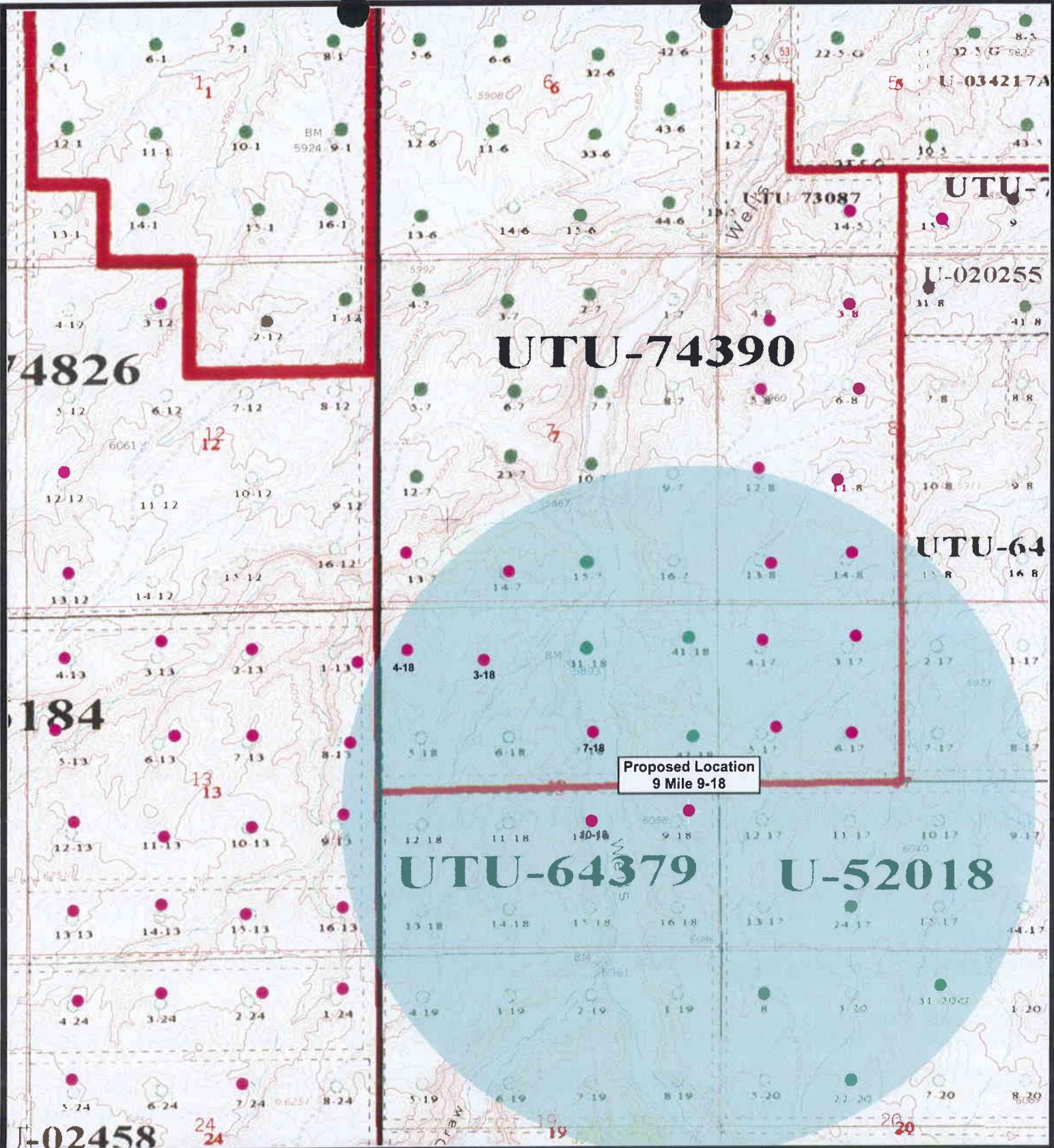
- Roads
- Proposed Gas Line
- Proposed Water Line

---

TOPOGRAPHIC MAP

**"C"**





**NEWFIELD**  
Exploration Company

---

**9 Mile 9-18-9-16**  
**SEC. 18, 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: 09-01-2005

**Legend**

- Well Locations
- One-Mile Radius

---

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

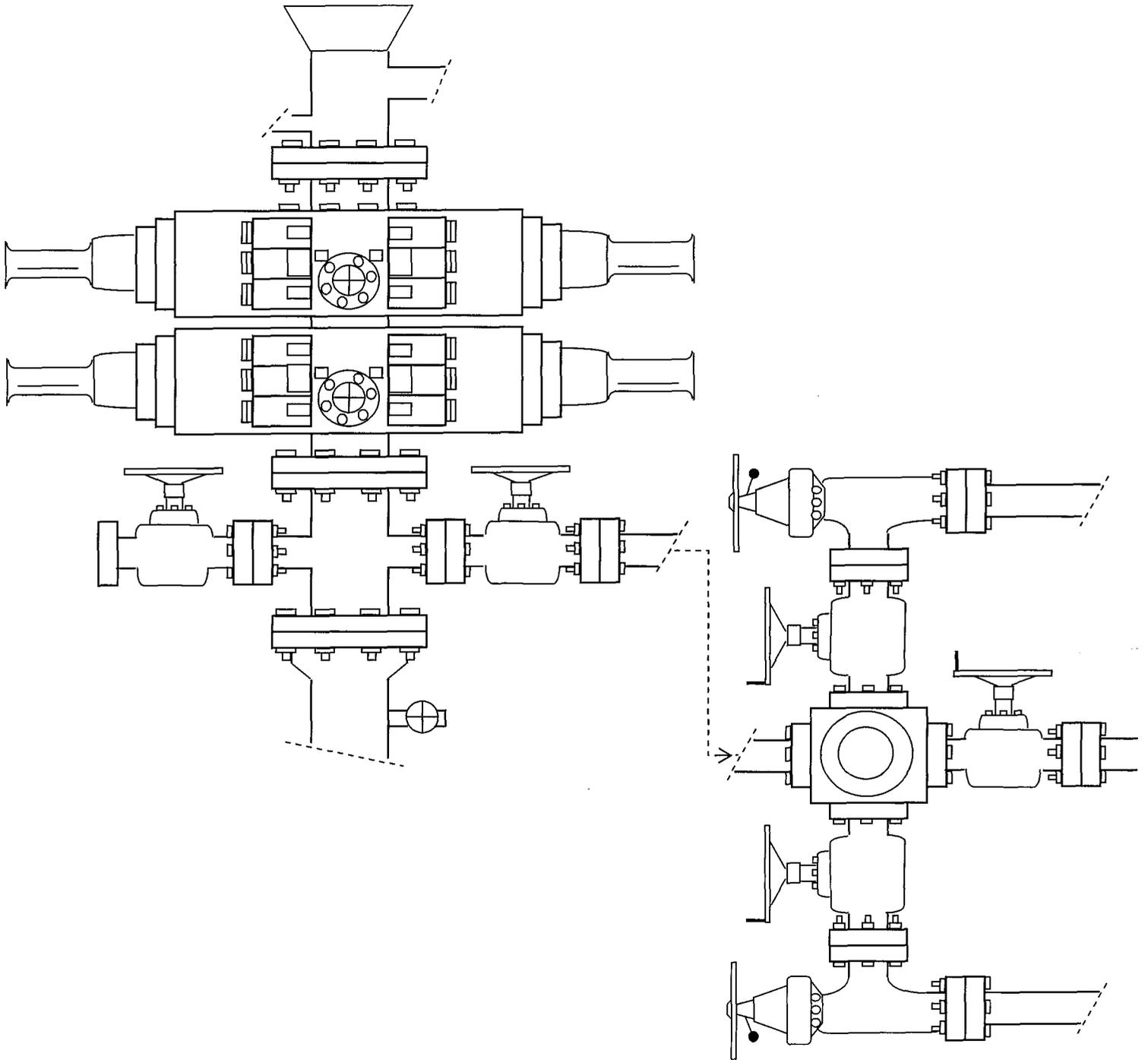


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 18;  
DUCHESNE COUNTY, UTAH

By:

Kylie Lower-Eskelson  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

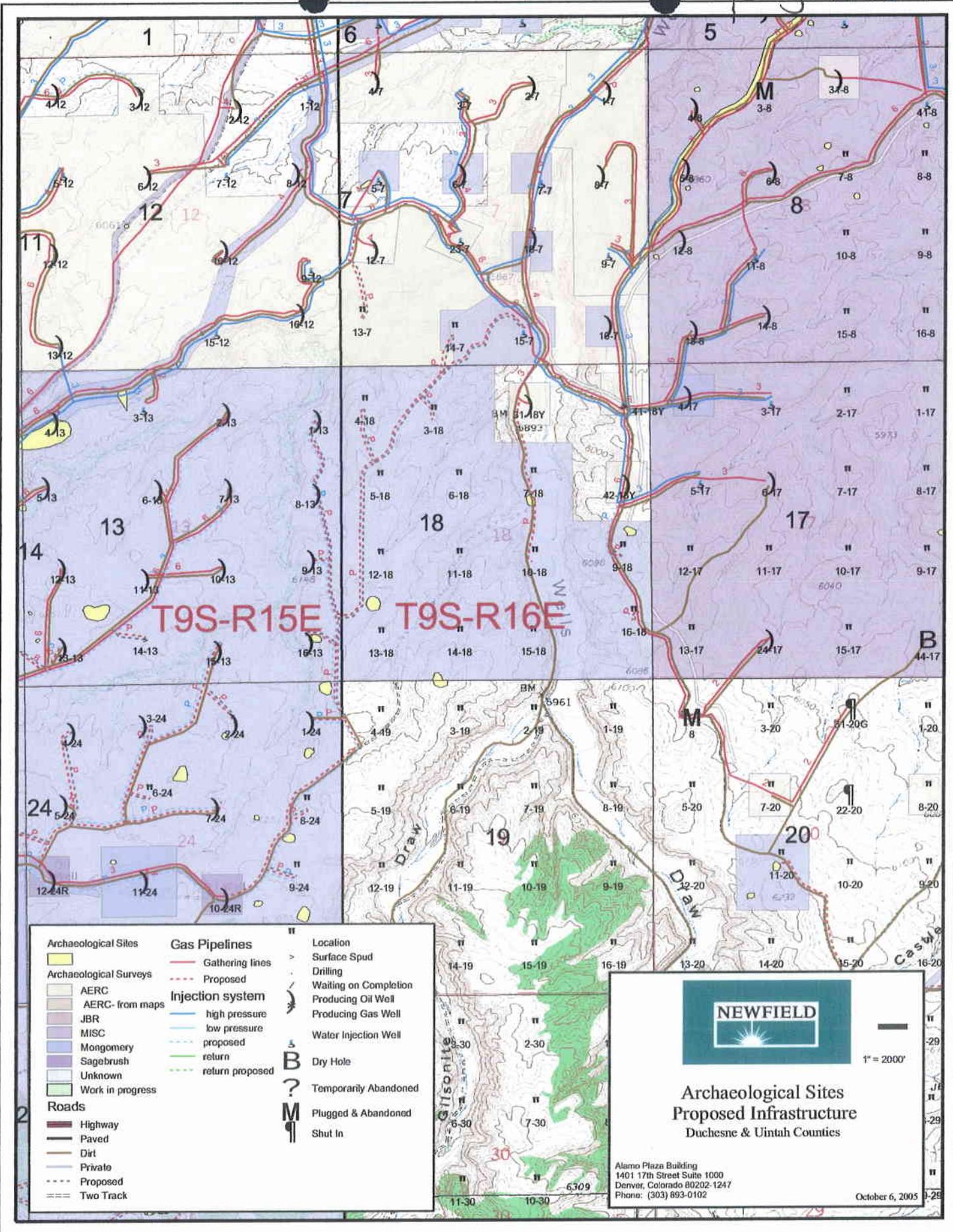
Montgomery Archaeological Consultants, Inc.  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-328

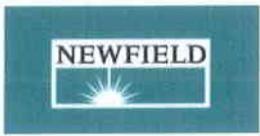
January 19, 2005

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-1477b



<b>Archaeological Sites</b>	<b>Gas Pipelines</b>	<b>Location</b>
Archaeological Sites	Gathering lines	Surface Spud
Archaeological Surveys	Proposed	Drilling
AERC	<b>Injection system</b>	Waiting on Completion
AERC- from maps	high pressure	Producing Oil Well
JBR	low pressure	Producing Gas Well
MISC	proposed	Water Injection Well
Montgomery	return	Dry Hole
Sagebrush	return proposed	Temporarily Abandoned
Unknown		Plugged & Abandoned
Work in progress		Shut In
<b>Roads</b>		
Highway		
Paved		
Dirt		
Private		
Proposed		
Two Track		



1" = 2000'

### Archaeological Sites Proposed Infrastructure Duchesne & Uintah Counties

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

October 6, 2005

**NEWFIELD PRODUCTION COMPANY**

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

Section 3, T 9 S, R 17 E [NE 1/4 & NW 1/4, NE 1/4 and NE 1/4, NW 1/4  
& SW 1/4, NW 1/4, and NE 1/4 & NW 1/4, SE 1/4]; Section 18, T 9 S, R 16 E  
[excluding NE 1/4, NW 1/4, & SE 1/4, NE 1/4]; Section 15, T-9 S, R 17 E [SE 1/4/ NE 1/4];  
Section 18, T 9 S, R 17 E [western half of section plus SE 1/4 & SW 1/4, SE 1/4];  
Section 33, T 8 S, R 16 E [NW 1/4, NW 1/4 and SW 1/4, NE 1/4]

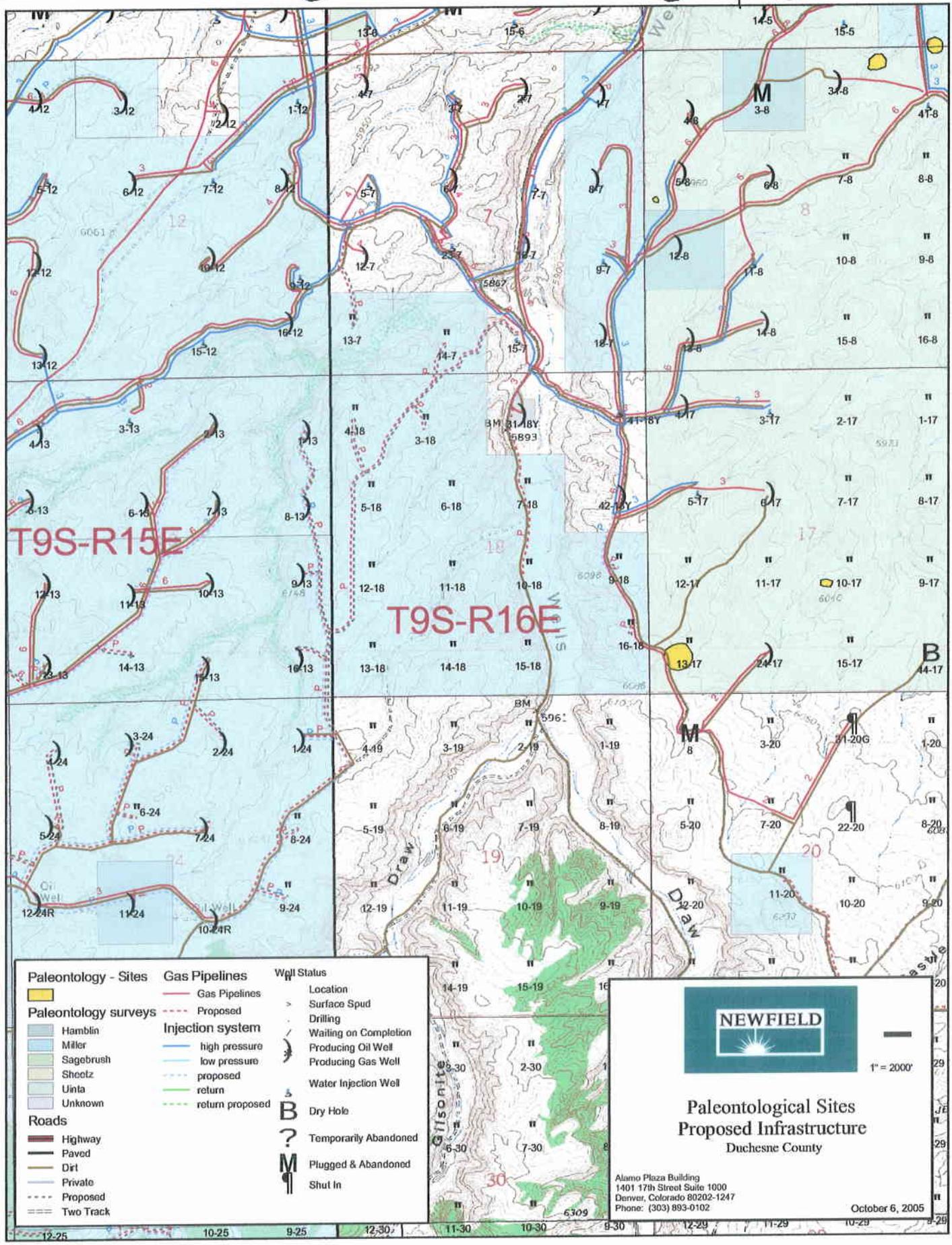
**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
May 11, 2005



<b>Paleontology - Sites</b>	<b>Gas Pipelines</b>	<b>Well Status</b>
Paleontology surveys	Gas Pipelines	Location
Hamblin	Proposed	Surface Spud
Miller	<b>Injection system</b>	Drilling
Sagebrush	high pressure	Waiting on Completion
Sheoltz	low pressure	Producing Oil Well
Uinta	proposed	Producing Gas Well
Unknown	return	Water Injection Well
<b>Roads</b>	return proposed	Dry Hole
Highway		Temporarily Abandoned
Paved		Plugged & Abandoned
Dirt		Shut In
Private		
Proposed		
Two Track		



**Palaeontological Sites  
Proposed Infrastructure**  
Duchesne County

Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

October 6, 2005

1" = 2000'

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/11/2005

API NO. ASSIGNED: 43-013-32920

WELL NAME: FEDERAL 9-18-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESE 18 090S 160E  
 SURFACE: 2054 FSL 0470 FEL  
 BOTTOM: 2054 FSL 0470 FEL  
 DUCHESNE  
 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-64379  
 SURFACE OWNER: 1 - Federal  
 PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

LATITUDE: 40.02937  
 LONGITUDE: -110.1536

RECEIVED AND/OR REVIEWED:

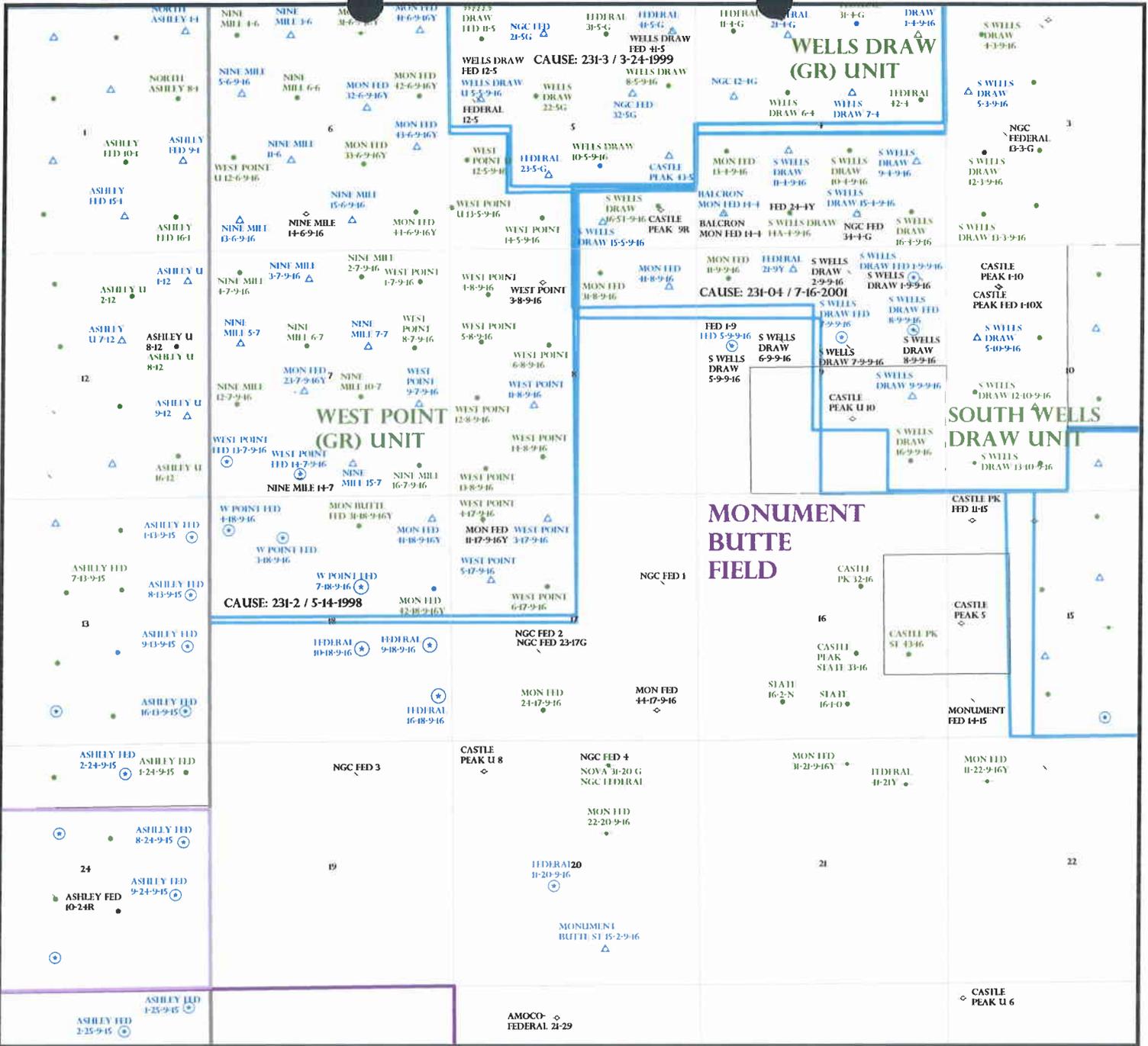
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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 Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 18 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status		Unit Status	
	ABANDONED		EXPLORATORY
	ACTIVE		GAS STORAGE
	COMBINED		NF PP OIL
	INACTIVE		NF SECONDARY
	PROPOSED		PENDING
	STORAGE		PI OIL
	TERMINATED		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



PREPARED BY: DIANA WHITNEY  
DATE: 11-OCTOBER-2005



**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*

October 12, 2005

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

Re: Federal 9-18-9-16 Well, 2054' FSL, 470' FEL, NE SE, Sec. 18, 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 43-013-32920.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Newfield Production Company

Well Name & Number Federal 9-18-9-16

API Number: 43-013-32920

Lease: UTU-64379

Location: NE SE                      Sec. 18                      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.

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-64379**

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.

**FEDERAL 9-18-9-16**

9. API Well No.

**43-013-32920**

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

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

**2054 FSL 470 FEL      NE/SE Section 18, T9S R16E**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<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 <u>Permit Extension</u>
	<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 10/12/05 (expiration 10/12/06).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-05-06  
By: [Signature]

COPY SENT TO OFFICE  
Date: 10-10-06  
Initials: RM

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

Signed

[Signature]  
Mandie Crozier

Title

Regulatory Specialist

Date

9/29/2006

CC: UTAH DOGM

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes 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.

RECEIVED  
OCT 03 2006

RESULT

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

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

**API:** 43-013-32920  
**Well Name:** Federal 9-18-9-16  
**Location:** NE/SE Section 18, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/12/2005

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

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

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

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

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

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

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

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

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

  
Signature

9/29/2006  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

OCT 03 2006

DIV. OF OIL, GAS & MINING

# RECEIVED

OCT 11 2005

## 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-64379

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 9-18-9-16

9. API Well No.  
431013132920

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SE Sec. 18, 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/SE 2054' FSL 470' FEL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 13.3 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. 470' f/lse, NA' f/unit

16. No. of Acres in lease  
1626.36

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. 1263'

19. Proposed Depth  
6100'

20. BLM/BIA Bond No. on file  
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6076' GL

22. Approximate date work will start\*  
2nd 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.  | 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 *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 10/7/05  
Title Regulatory Specialist

Approved by (Signature) *Jerry Kewick* Name (Printed/Typed) Jerry Kewick Date 2-7-2007  
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, 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)

## NOTICE OF APPROVAL

## CONDITIONS OF APPROVAL ATTACHED

# RECEIVED

FEB 13 2007

DIV. OF OIL, GAS & MINING



**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  
**Well No:** Federal 9-18-9-16  
**API No:** 43-013-32920

**Location:** NESE, Sec 18, T9S, R16E  
**Lease No:** UTU-64379  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Melissa Hawk	435-781-4476	435-828-7381
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	
<b>After Hours Contact Number: 435-781-4513</b>		<b>Fax: 435-781-4410</b>	

**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 NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	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 Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	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)**

**DRILLING AND CONSTRUCTION**

- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- Prior to construction the operator must consult with the U.S. Army Corps of Engineers regarding compliance with Section 404 of the Clean Water Act.
- In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.
- The reserve pit shall be double lined with felt and a 12 ml or greater liner.
- 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 liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).
- Prevent fill and stock piles from entering drainages.
- **CULTURAL AND PALEONTOLOGICAL RESOURCES** - Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery shall be made by the authorized officer to determine appropriate actions to prevent the loss of

significant cultural or scientific values. The holder shall be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

- The access road shall be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location or access road.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.

#### INTERIM RECLAMATION

- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.

Interim Reclamation Seed Mix for location:

Crested wheatgrass	Agropyron cristatum	4 lbs/acre
	Per Live Seed Total	4 lbs/acre

- Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture shall be doubled and the area raked or chained to cover the seed. Seeding shall be conducted in fall.

## COMPLETION AND PRODUCTION

- All Blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.
- During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.
- The dikes for the production facilities will be constructed of compacted subsoil, be impervious, hold 110% the capacity of the largest tank with (one) 1 foot of freeboard and be independent of the backcut. All galvanized material used for dikes shall be painted on the inside and outside. Dikes shall be installed before production starts. Diking of the entire location will only be used as a secondary means of containment.
- Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe of the backcut.
- Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed starting date.
- No production pits shall be allowed on the location.
- Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.
- All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (see well stipulations for color specific to each well). All facilities shall be painted within twelve (12) months of installation.
- The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.
- Equipment not being used for production shall not be stored on the well location.
- All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

## ABANDONED WELL – FINAL RECLAMATION

- A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved.
- The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.

- The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-half inch using a seed drill. Weed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.
- When seeding *Artemisia* spp or shrubs broadcast seed and chain the area.
- Final reclamation shall be a stage process.
- If invasive or undesirable species are present in the area the location to be reclaimed will be sprayed with a pesticide in fall preferably October. (pesticide determined by the Vernal Field Office).
- 30 days after treatment drill seed the location with 4 lbs/acre Crested wheatgrass.
- Once the desired pioneer species has established (2 yrs +) the seeded area shall be sprayed in a mosaic pattern with the above determined pesticide.
- Reseed within 30 days with an approved native final reclamation seed mix.
- Final reclamation will be considered complete once desired plants are > 5 plants per square meter and invasive or un-desirable species are < 100 plants per square meter.
- No drilling or construction from April 1 through July 15 to protect nesting Prairie Falcons. Sage Grouse Lek Nest Area—No surface use is allowed within the lek nesting areas March 1 through June 30. No surface use November 1 through April 30 to protect big game seasonal wildlife habitat. All production facilities shall be painted Olive Drab. 6" and 4" surface poly gas lines, 3" buried poly water return line and 3" steel buried water injection line.

### **General Surface COA**

**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**

- None

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

- 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.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- 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.**
- 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).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of 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.
- All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- 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.
- 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.
- 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 surface casing shoe 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\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- 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.
- 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.
- 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.
- 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:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - 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).
  - 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.
  - Unit agreement and / or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- 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.
- 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.

- 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.
- 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.

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 9-18-9-16

Api No: 43-013-32920 Lease Type: FEDERAL

Section 18 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 08/17/07

Time 11:00 AM

How DRY

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

Reported by DON BASTIAN

Telephone # (435) 823-6013

Date 08/1707 Signed CHD

# RECEIVED

AUG 22 2007

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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3830  
MYTON, UT 84062

OPERATOR ACCT. NO. N2695

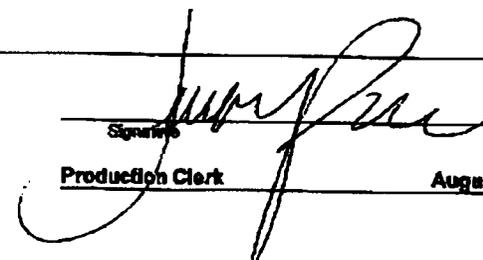
DIV. OF OIL, GAS & M.

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	12276	4301333518	WELLS DRAW FED G-4-9-16	SENW	4	9S	16E	DUCHESNE	8/16/2007	8/28/07
WELL 1 COMMENTS: <i>GRRV BHL SENW</i>											
A	99999	16324	4301332920	FEDERAL 9-18-9-16	NESE	18	9S	16E	DUCHESNE	8/17/2007	8/28/07
<i>GRRV</i>											
B	99999	12417	4301333292	LONE TREE FED 3-21-9-17	NENW	21	9S	17E	DUCHESNE	8/20/2007	8/28/07
<i>GRRV</i>											
WELL 5 COMMENTS:											
WELL 6 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 - fiber (explain in comments section)

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

  
 Signature: Jentri Park  
 Production Clerk  
 August 22, 2007  
 Date

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.

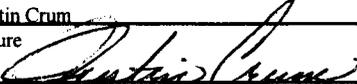
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-64379
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address    Route 3 Box 3630 Myton, UT 84052	3b. Phone    (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or
4. Location of Well    (Footage, Sec., T., R., M., or Survey Description) 2054 FSL 470 FEL NESE Section 18 T9S R16E		8. Well Name and No. FEDERAL 9-18-9-16
		9. API Well No. 4301332920
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

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

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

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

On 8/18/07 MIRU NDSI NS # 1. Spud well @ 11:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 307 KB. On 8/27/07 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Justin Crum Signature 	Title Drilling Foreman
	Date 08/28/2007

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

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

(Instructions on reverse)

**RECEIVED**  
**AUG 31 2007**  
DIV. OF OIL, GAS & MINING

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

8 5/8 CASING SET AT 307.99

LAST CASING 8 5/8" set @ \_\_\_\_\_  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 310' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 9-18-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 40.33'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	297.09	
		<b>GUIDE</b> shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			297.99	
TOTAL LENGTH OF STRING		297.99	7	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>307.99</b>	
TOTAL		296.14	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		296.14	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	3:30 PM	8/17/2007	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE			5:00 PM	8/17/2007	Bbls CMT CIRC TO SURFACE			5
BEGIN CIRC			9:34 AM	8/27/2007	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT			9:44 AM	8/27/2007				
BEGIN DSPL. CMT			9:57 AM	8/27/2007	BUMPED PLUG TO			110 PSI
PLUG DOWN			10:04 AM	8/27/2007				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING						
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Justin Crum DATE 9/22/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.  
USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 9-18-9-16

9. API Well No.  
4301332920

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

SUBMITTED BY: NEWFIELD PRODUCTION COMPANY, INC.

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 are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2054 FSL 470 FEL  
NESE Section 18 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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

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

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

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 09/24/2007

THIS SPACE IS FOR THE DIVISION OF STATE OF UTAH USE

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

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

(Instructions on reverse)

RECEIVED  
SEP 27 2007

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

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

1a. TYPE OF WORK		OIL WELL <input checked="" type="checkbox"/>		GAS WELL <input type="checkbox"/>		DRY <input type="checkbox"/>		Other _____							
1b. TYPE OF WELL		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 _____							
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 (Report locations clearly and in accordance with any State requirements.)* At Surface <b>2054' FSL &amp; 470' FEL (NW/SE) Sec. 18, T9S, R18E</b> At top prod. Interval reported below  At total depth															
14. API NO. <b>43-013-32920</b>				DATE ISSUED				12. COUNTY OR PARISH <b>Duchesne</b>		13. STATE <b>UT</b>					
15. DATE SPUDDED <b>8-18-07</b>		16. DATE T.D. REACHED <b>9-3-07</b>		17. DATE COMPL. (Ready to prod.) <b>9-20-07</b>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>6076' GL 6088' KB</b>		19. ELEV. CASINGHEAD							
20. TOTAL DEPTH, MD & TVD <b>5610'</b>		21. PLUG BACK T.D., MD & TVD <b>5994'</b>		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY <b>-----&gt;</b>		ROTARY TOOLS <b>X</b>		CABLE TOOLS					
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* <b>Green River 5166'-5415'</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</b>															
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					
<b>8-5/8" - J-55</b>		<b>24#</b>		<b>307.99</b>		<b>12-1/4"</b>		<b>To surface with 160 sx Class "G" cmt</b>							
<b>5-1/2" - J-55</b>		<b>15.5#</b>		<b>6076.98</b>		<b>7-7/8"</b>		<b>300 sx Premilite II and 400 sx 50/50 Poz</b>							
29. LINER RECORD															
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		30. TUBING RECORD					
										SIZE					
										DEPTH SET (MD)					
										PACKER SET (MD)					
										<b>2-7/8"</b>					
										<b>EOT @</b>					
										<b>5930'</b>					
										<b>TA @</b>					
										<b>5350'</b>					
31. PERFORATION RECORD (Interval, size and number)															
INTERVAL		SIZE		SPF/NUMBER		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		DEPTH INTERVAL (MD)							
<b>(LODC) 5394'-5415'</b>		<b>.46"</b>		<b>4/84</b>				<b>5394'-5415'</b>							
<b>(A3) 5166'-5182'</b>		<b>.43"</b>		<b>4/84</b>				<b>5166'-5182'</b>							
								<b>Frac w/ 85173# 20/40 sand in 688 bbls fluid</b>							
								<b>Frac w/ 298,499# 20/40 sand in 773 bbls fluid</b>							
33.* PRODUCTION															
DATE FIRST PRODUCTION <b>9-20-07</b>		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>2-1/2" x 1-1/2" x 12'x15.5' RHAC SM Plunger Pump</b>						WELL STATUS (Producing or shut-in) <b>PRODUCING</b>							
DATE OF TEST <b>10 day ave</b>		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD <b>----&gt;</b>		OIL--BBL. <b>91</b>		GAS--MCF. <b>98</b>		WATER--BBL. <b>18</b>		GAS-OIL RATIO <b>1077</b>	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE <b>----&gt;</b>		OIL-BBL.		GAS--MCF.		WATER--BBL.		OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Sold &amp; Used for Fuel</b>															
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 <i>Kathy Chapman</i> Kathy Chapman		TITLE <b>Office Manager</b>		DATE <b>12/11/2007</b>		TEST WITNESSED BY <b>RECEIVED</b>		DATE <b>DEC 13 2007</b>		DIV OF OIL, GAS & MINING		MC			

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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

5. Lease Serial No.  
USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 9-18-9-16

9. API Well No.  
4301332920

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2054 FSL 470 FEL  
NESE Section 18 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<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 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.)

The above mentioned well was put on production 9-20-07. See attached daily and final report.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Kathy Chapman	Title Office Manager
Signature 	Date 12/11/2007

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

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

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

(Instructions on reverse)

**RECEIVED**

**DEC 13 2007**

DIV. OF OIL, GAS & MINING

**Daily Activity Report****RECEIVED**

Format For Sundry

**DEC 13 2007****FEDERAL 9-18-9-16****7/1/2007 To 11/30/2007**

DIV. OF OIL, GAS &amp; MINING

**9/13/2007 Day: 1****Completion**

Rigless on 9/12/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5942' & cement top @ 137'. Perforate stage #1, LODC sds @ 5394-5415' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120°) w/ 4 spf for total of 84 shots. 143 bbls EWTR. SIFN.

**9/19/2007 Day: 2****Completion**

Rigless on 9/18/2007 - Stage #1 LODC sds. RU BJ Services. 0 psi on well. Frac LODC sds w/ 85,173#'s of 20/40 sand in 688 bbls of Lightning 17 fluid. Broke @ 2295 psi. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi. Leave pressure on well. 831 BWTR. Stage #2 A3 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 16' perf gun. Set plug @ 5330'. Perforate A3 sds @ 5166-82' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 84 shots. RU BJ Services. 2130 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. Frac A3 sds w/ 98,499#'s of 20/40 sand in 773 bbls of Lightning 17 fluid. Broke @ 3547 psi. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi. Open well to pit for immediate flowback @ 1bpm. Well flowed for 7 hrs. & started flowing trace of oil. Recovered 400 bbls. SWIFN.

**9/20/2007 Day: 3****Completion**

Western #4 on 9/19/2007 - MIRU Western #4. Bleed off well to pit. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting tbg.). Tag @ 5318'. RU powerswivel & pump. C/O to CBP @ 5330' (12' of sand). DU CBP in 18 min. Cont. RIH w/ tbg. Tag @ 5818'. C/O to 5994' & stopped making hole. Circulate well clean. Pull up to 5930'. RU swab. SFL @ surface. Made 14 runs. Recovered 120 bbls. Trace of oil, no show of sand. EFL @ 900'. SWIFN.

**9/21/2007 Day: 4****Completion**

Western #4 on 9/20/2007 - Bleed off well. RIH w/ tbg. to PBTD @ 5994'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 170 jts 2 7/8" tbg. ND BOP. Set TAC @ 5359' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 12' x 15.5' RHAC pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 91- 3/4" slick rods, 99- 3/4" guided rods, 1- 6', 4' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Fill tbg. w/ 2 bbls. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. Put well on production @ 5:30 p.m. 74" stroke length, 5 spm. Put well on test.

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



**Daily Activity Report**

Format For Sundry

**FEDERAL 9-18-9-16****6/1/2008 To 10/30/2008****8/22/2008 Day: 1****Recompletion**

Western #1 on 8/21/2008 - MIRU Western #1. RU HO trk & pump 70 BW dn annulus @ 250°F. RD pumping unit & unseat pump. Flush tbg & rods W/ 40 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 8 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH W/ rods--LD pump. No sign of scale on rods or pump. Re-flush rods W/ add'l 40 BW on TOH. RIH W/ sandline & tag PBD @ 5994' (no new fill). ND wellhead & release TA @ 5359'. NU BOP. TOH & talley production tbg to 3000'. SIFN W/ est 158 BWTR.

**8/23/2008 Day: 2****Recompletion**

Western #1 on 8/22/2008 - RU HO trk & flush tbg W/ 60 BW @ 250°F. Con't TOH & talley production tbg--LD BHA. RU Perforators LLC & run Weatherford 5 1/2" 10K solid composite bridge plug. Set plug @ 5117'. ND BOP & remove production tbg head. Install 5M frac head & NU Cameron BOP. Fill hole W/ 110 bbls 2% KCL wtr. RU HO trk & pressure test plug, frac head, blind rams & casing valves to 4500 psi. RIH W/ 12' X 3 1/8" slick perf gun. Perf A .5 sds @ 5052-64' W/ 4 JSPF. RU HO trk & breakdown perfs @ 2500 psi. Pump 5 BW into perfs @ .75 BPM @ 1800 psi. SIFN W/ est 333 BWTR.

**8/26/2008 Day: 3****Recompletion**

Western #1 on 8/25/2008 - RU BJ Services "Ram Head" frac flang. RU BJ & frac A.5 sds, stage #1 down casing w/ 49,743#'s of 20/40 sand in 459 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2479 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2143 w/ ave rate of 22.9 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2486. 792 bbls EWTR. Leave pressure on well. RU Perforators LLC. WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford (6K) composite flow through frac plug & 6', 4' perf guns. Set plug 4995'. Perforate B2 sds @ 4936-42', 4958-62' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120°) w/ 4 spf for total of 40 shots. RU BJ & frac stage #2 w/ 29,943#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Open well w/ 1973 psi on casing. Perfs broke down @ 3915 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1955. 1382 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6' perf gun. Set plug 4790'. Perforate D1 sds @ 4682-88' w/ 4 spf for total of 24 shots. RU BJ & frac stage #3 w/ 24,780#'s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Open well w/ 1560 psi on casing. Perfs broke down @ 2256 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2000. 1726 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6', 6' perf guns. Set plug 4480'. Perforate PB8 sds @ 4378-84', 4352-58' w/ 4 spf for total of 48 shots. RU BJ & frac stage #4 w/ 40,471#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Open well w/ 1462 psi on casing. Perfs broke down @ 2270 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 2224 w/ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2177. 2116 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 14' perf gun. Set plug 4290'. Perforate GB6 sds @ 4212-26' w/ 4 spf for total of 56 shots. RU BJ & frac

stage #5 w/ 40,033#'s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Open well w/ 1564 psi on casing. Perfs broke down @ 2889 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1715. 2506 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 10' perf gun. Set plug 4155'. Perforate GB4 sds @ 4122-32' w/ 4 spf for total of 40 shots. RU BJ & frac stage #6 w/ 22,270#'s of 20/40 sand in 327 bbls of Lightning 17 frac fluid. Open well w/ 1384 psi on casing. Perfs broke down @ 2783 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1942 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1749. 2833 bbls EWTR. RD WLT & BJ. Flow well back. Well flowed for 3 hours & died w/ 400 bbls rec'd (3500#'s of sand). SIFN.

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**8/27/2008 Day: 4**

**Recompletion**

Western #1 on 8/26/2008 - Open well w/ 300 psi on casing. RD Cameron BOP's & frac head. RU production tbg head & Schaffer BOP's. RU 4-3/4" Chomp mill & x-over sub. TIH w/ tbg to tag plug @ 4155'. RU swivel, pump & tanks. Drlg out plug #1. TIH w/ tbg to tag fill @ 4241'. C/O to plug @ 4290'. Drlg out plug #2. TIH w/ tbg to tag fill @ 4367'. C/O to plug @ 4480'. Drlg out plug #3. TIH w/ tbg to tag plug @ 4790'. Drlg out plug #4. TIH w/ tbg to tag plug @ 4995'. Drlg out plug #5. TIH w/ tbg to tag fill @ 5070'. LD 2 jts tbg, EOT @ 5028'. SIFN.

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**8/28/2008 Day: 5**

**Recompletion**

Western #1 on 8/27/2008 - Open well w/ 0 psi on casing. TIH w/ tbg to tag fill @ 5070'. C/O to plug @ 5117'. Drlg out solid plug. Well went on vacuum. Took 270 bbls to get circulation. TIH w/ tbg to tag fill @ 5937'. Cleaned ot 30' of sand & lost 150 bbls water. LD 2 jts tbg. Left sand top @ 5967'. RU swab equipment. Made 13 runs to rec'd 146 bbls of fluid w/ FFL @ 2300'. Last run showed no oil w/ no sand. RD swab. TIH w/ tbg to tag no new sand. Circulate well (took 170 bbls to get circulation). TOOH w/ tbg. 48 jts out w/ EOT @ 3990'. SIFN.

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**8/29/2008 Day: 6**

**Recompletion**

Western #1 on 8/28/2008 - Open well w/ 150 psi on casing. Continue TOOH w/ tbg. RD mill & x-over sub. TIH w/ NC, 2 jts tbg, SN, 2 jt tbg, TA CDI 45,000# shear, 170 jts tbg. RD BOP's. Set TA @ 5359' w/ 16,000#'s tension w/ SN @ 5424' w/ EOT @ 5489'. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-1/2" x 16' x 20' RHAC CDI pump w/ 175"SL, 6- 1-1/2" weight rods, 20- 3/4" guided rods, 91- 3/4" plain rods, 99- 3/4" guided rods, 4', 6' pony rods, 1-1/2" x 26' polished rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 2PM w/ 74" SL @ 5 spm Final Report.

---

**Pertinent Files: Go to File List**



August 9, 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 #9-18-9-16  
Monument Butte Field, Lease #UTU-64379  
Section 18-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #9-18-9-16 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", is written over a horizontal dotted line.

Eric Sundberg  
Regulatory Manager

RECEIVED  
AUG 13 2012  
DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #9-18-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-64379**  
**AUGUST 9, 2012**

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: Federal #9-18-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-64379  
Well Location: QQ NESE section 18 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
Disposal? . . . . . Yes [ ] No [ X ]  
Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]  
Date of test: \_\_\_\_\_  
API number: 43-013-32920

Proposed injection interval: from 3992 to 5994  
Proposed maximum injection: rate 500 bpd pressure 1688 psig  
Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature   
Title Regulatory Lead Date 8/9/12  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# FED. 9-18-9-16

Spud Date: 7/31/08  
 Put on Production: 9/23/08  
 GL: 5306' KB: 5318'

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (296.14')  
 DEPTH LANDED: 307.99'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class 'G' cmt

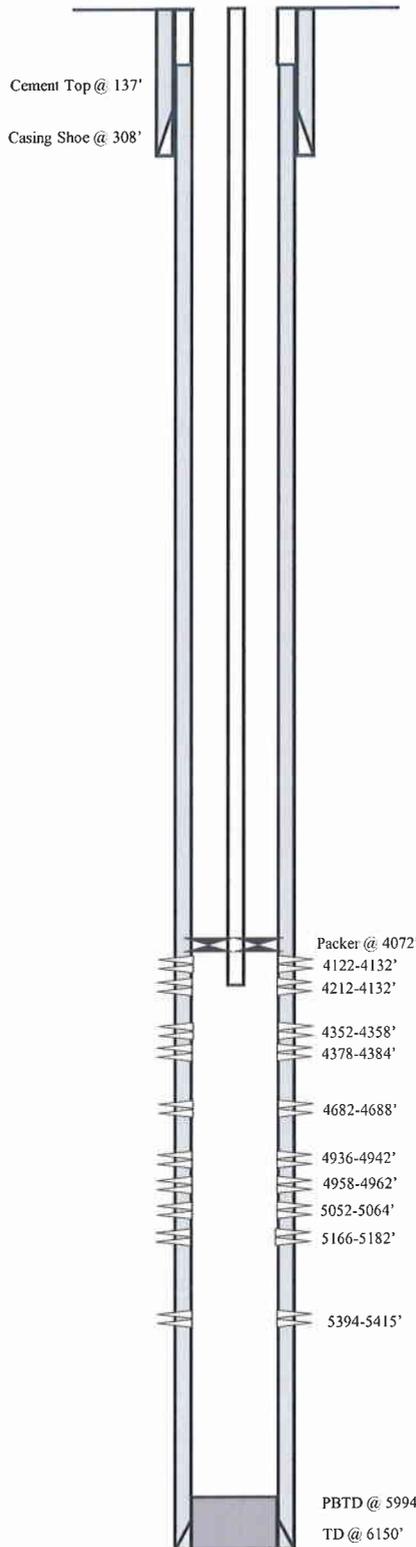
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 153 jts (6222.42')  
 DEPTH LANDED: 6076.98'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx Premlite II and 450 sx 50/50 poz  
 CEMENT TOP : 137'

## TUBING

SIZE/GRADE/WT.: 2 7/8 J-55  
 NO. OF JOINTS: 170 jts 5347'  
 TUBING ANCHOR: 5359' KB  
 NO. OF JOINTS: 2 jts 62.5'  
 SEATING NIPPLE: 1.10'  
 SN LANDED AT: 5424.3'  
 NO. OF JOINTS: 2 jts. 63'  
 TOTAL STRING LENGTH: 5489' W/ 12' KB

## Proposed Injection Wellbore Diagram



## FRAC JOB

9/18/07 5394-5415' **Frac LODC sds as follows:**  
 85,173#'s of 20/40 sand in 688 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi.

9/18/07 5166-5182' **Frac A3 sds as follows:**  
 98,499#'s of 20/40 sand in 773 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi.

05/28/08 Pump change. Updated rod and tubing details

8/25/08 5052-5064' **RU BJ & frac A.5 sds as follows:**  
 49,743#'s of 20/40 sand in 459 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2143 w/ ave rate of 22.9 bpm w/ 8 ppg of sand. ISIP was 2486.

8/25/08 4958-4962' **RU BJ & frac stage #2 as follows:**  
 29,943#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1955.

8/25/08 4682-4688' **RU BJ & frac stage #3 as follows:**  
 24,780#'s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 2000.

8/25/08 4352-4358' **RU BJ & frac stage #4 as follows:**  
 40,471#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2224 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2177.

8/25/08 4212-4226' **RU BJ & frac stage #5 as follows:**  
 40,033#'s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1715.

8/25/08 4122-4132' **RU BJ & frac stage #5 as follows:**  
 40,033#'s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1715.

6/12/09 **Tubing Leak.** Updated rod & tubing details.

11/18/2010 **Pump Change.** Update rod and tubing details

11/29/2011 **Pump Change.** Updated rod & tubing detail.

2/17/12 **Pump Change:** updated rod & tubing detail

## PERFORATION RECORD

Date	Interval	Tool	Holes
8/25/08	4122-4132'	4 JSPF	40 holes
8/25/08	4212-4226'	4 JSPF	56 holes
8/25/08	4352-4358'	4 JSPF	24 holes
8/25/08	4378-4384'	4 JSPF	24 holes
8/25/08	4682-4688'	4 JSPF	24 holes
8/25/08	4958-4962'	4 JSPF	16 holes
8/25/08	4936-4942'	4 JSPF	24 holes
8/22/08	5052-5064'	4 JSPF	48 holes
9/18/07	5166-5182'	4 JSPF	84 holes
9/18/07	5394-5415'	4 JSPF	84 holes

**NEWFIELD**

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**FED. 9-18-9-16**

2054' FSL & 470' FEL

NE/SE Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-32920; Lease # UTU-64379

## **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 #9-18-9-16 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 #9-18-9-16 well, the proposed injection zone is from Garden Gulch to Basal Limestone (3992' - 5994'). 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 3671' and the TD is at 6150'.

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

The referenced log for the Federal #9-18-9-16 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-64379) 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 308' KB, and 5-1/2", 15.5# casing run from surface to 6077' 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 1688 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 #9-18-9-16, for existing perforations (4122' - 5415') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1688 psig. We may add additional perforations between 3671' and 6150'. 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 #9-18-9-16, the proposed injection zone (3992' - 5994') is in the Garden Gulch to the Basal Limestone 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.

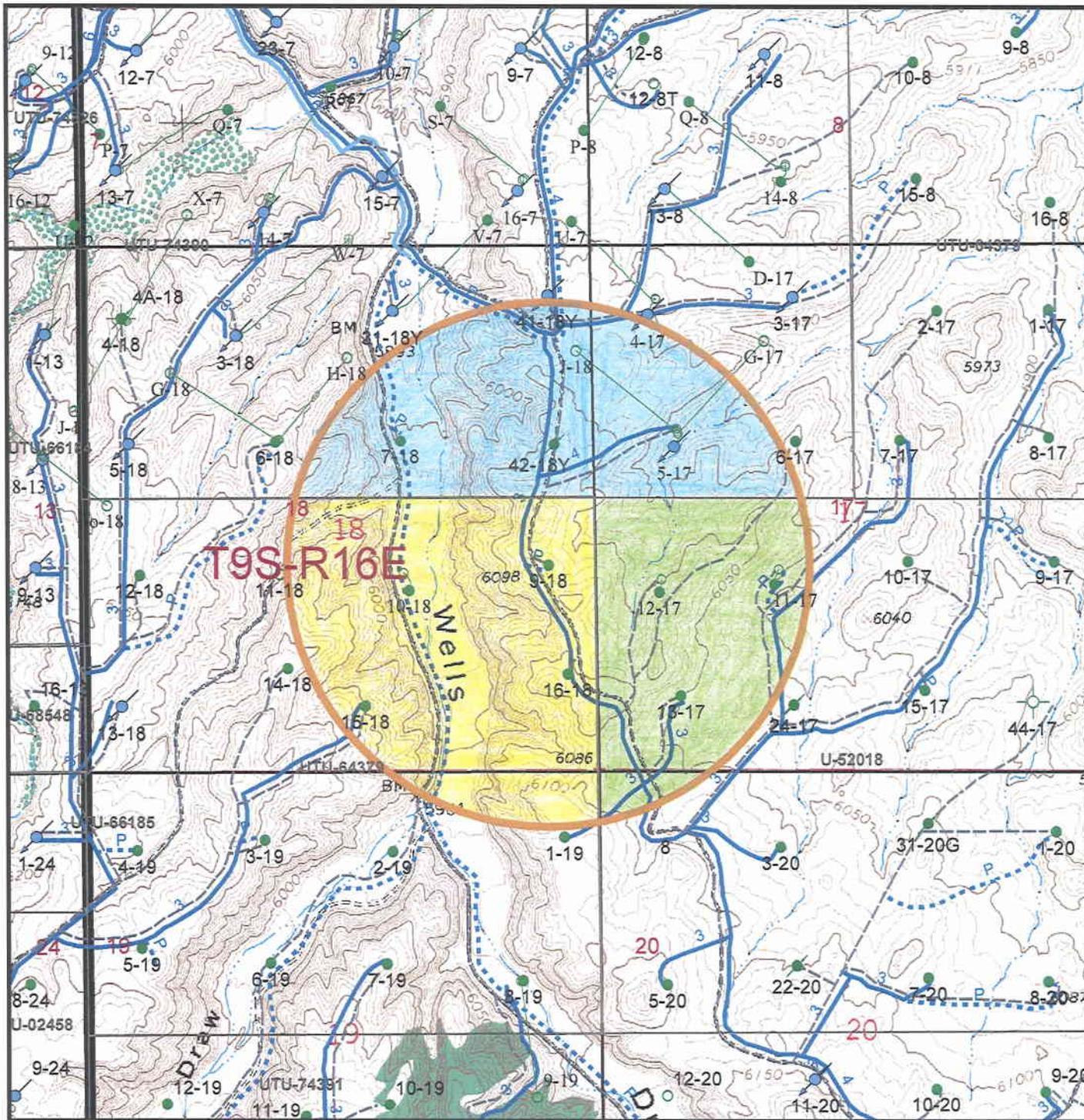
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

Handwritten notes on the right side of the legend:

- UTU-64379
- UTU-52018
- UTU-74390

Federal 9-18  
Section 18, T9S-R16E

**NEWFIELD**

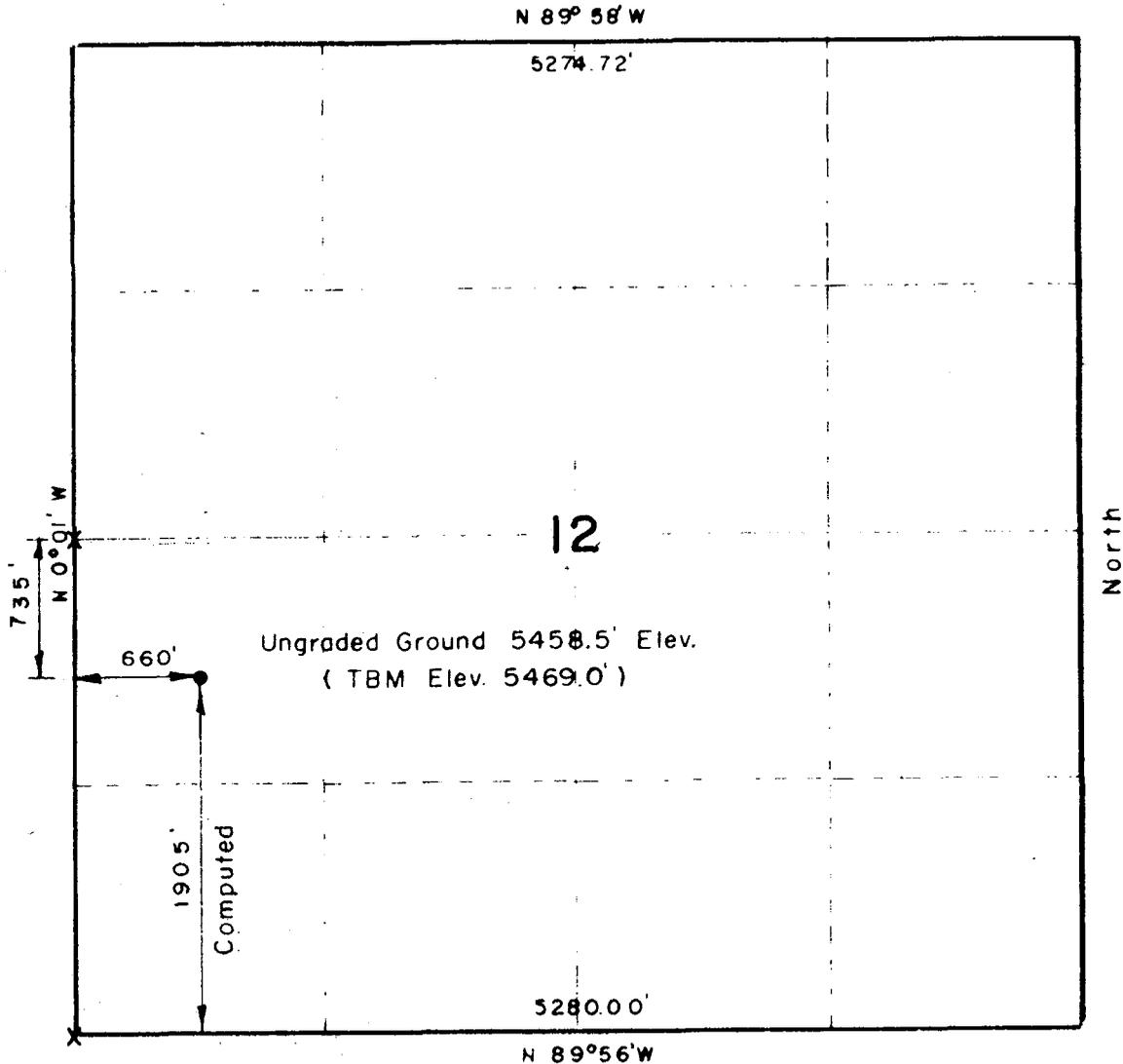
ROCKY MOUNTAINS 1 in = 1,500 feet

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

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

May 2, 2012

T 9 S, R 16 E, SLB & M



X = Corners Located (Brass Caps)

Scale = 1" = 1000'

UNITED ENGINEERING  
& LAND SURVEYING

P. O. Box 50  
Vernal, Utah

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

*Nelson J. Marshall*  
Registered Land Surveyor  
Utah Registration No. 2154

PARTY N.J. Marshall  
T. Wardell

**SURVEY**  
G. S. CAMPBELL #1 WELL LOCATION, LOCATED  
AS SHOWN IN THE NW1/4 SW1/4 OF SECTION 12,  
T 9 S, R 16 E, SLB & M, DUCHESNE COUNTY, UTAH

DATE 24 Aug., 1964  
REFERENCES GLO Plat  
Approved Sept. 23, 19

WEATHER Fair - Warm  
Breeze

FILE Campbell

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 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
2	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
3	T9S-R16E SLM Section 6: All Section 7: All Section 8: W2 Section 17: NW Section 18: NE, E2NW, LOTS 1, 2	USA UTU-74390 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #9-18-9-16

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 Manager

Sworn to and subscribed before me this 9<sup>th</sup> day of August, 2012.

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

My Commission Expires 02/10/2013



## FED. 9-18-9-16

Spud Date: 7/31/08  
Put on Production: 9/23/08

GL: 5306' KB: 5318'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (296.14')  
DEPTH LANDED: 307.99'  
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: 153 jts (6222.42')  
DEPTH LANDED: 6076.98'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sx Premlite II and 450 sx 50/50 poz  
CEMENT TOP: 137'

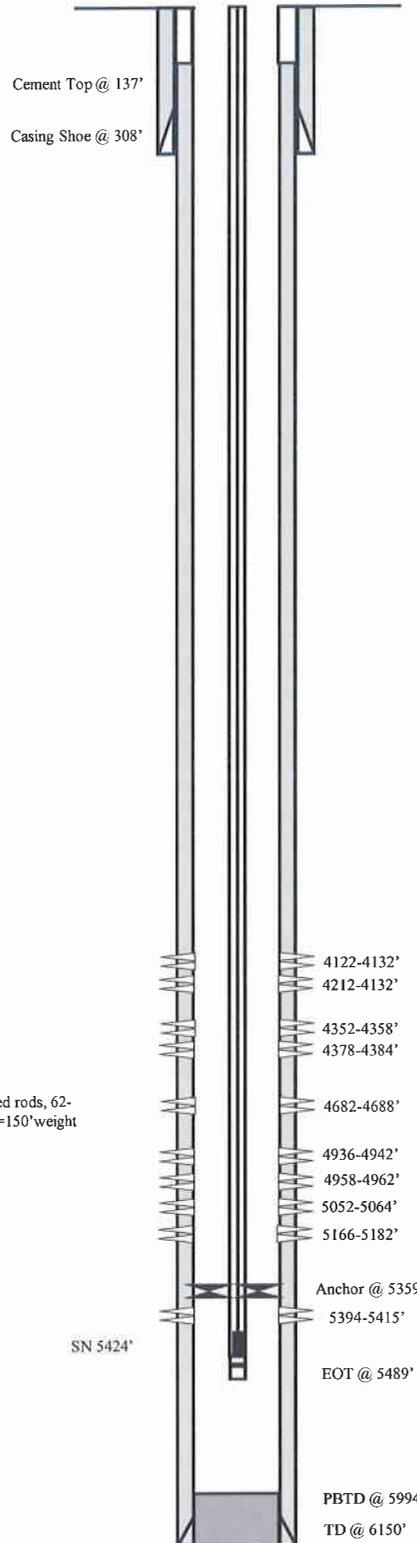
### TUBING

SIZE/GRADE/WT.: 2 7/8 J-55  
NO. OF JOINTS: 170 jts 5347'  
TUBING ANCHOR: 5359' KB  
NO. OF JOINTS: 2 jts 62.5'  
SEATING NIPPLE: 1.10'  
SN LANDED AT: 5424.3'  
NO. OF JOINTS: 2 jts. 63'  
TOTAL STRING LENGTH: 5489' W/ 12' KB

### SUCKER RODS

POLISHED ROD: 1 1/2" X 26' polished rod  
SUCKER RODS: 1-6' X 3/4" pony rod, 99-3/4"=2475' guided rods, 62-3/4"=1550' sucker rods, 50-3/4"=1250' guided rods, 6- 1 1/2"=150' weight rods, 1- 1"=2.5' sinker bar.  
PUMP SIZE: CDI 2 1/2"x1 1/4" x 12'x 16' RHAC pump  
STROKE LENGTH: 72"  
PUMP SPEED, SPM: 5

### Wellbore Diagram



### FRAC JOB

9/18/07 5394-5415' **Frac LODC sds as follows:**  
85,173#s of 20/40 sand in 688 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi.

9/18/07 5166-5182' **Frac A3 sds as follows:**  
98,499#s of 20/40 sand in 773 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi.

05/28/08 **Pump change. Updated rod and tubing details**

8/25/08 5052-5064' **RU BJ & frac A.5 sds as follows:**  
49,743#s of 20/40 sand in 459 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2143 w/ ave rate of 22.9 bpm w/ 8 ppg of sand. ISIP was 2486.

8/25/08 4958-4962' **RU BJ & frac stage #2 as follows:**  
29,943#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1955.

8/25/08 4682-4688' **RU BJ & frac stage #3 as follows:**  
24,780#s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 2000.

8/25/08 4352-4358' **RU BJ & frac stage #4 as follows:**  
40,471#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2224 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2177.

8/25/08 4212-4226' **RU BJ & frac stage #5 as follows:**  
40,033#s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1715.

8/25/08 4122-4132' **RU BJ & frac stage #5 as follows:**  
40,033#s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1715.

6/12/09 **Tubing Leak. Updated rod & tubing details.**

11/18/2010 **Pump Change. Update rod and tubing details**

11/29/2011 **Pump Change. Updated rod & tubing detail.**

2/17/12 **Pump Change: updated rod & tubing detail**

### PERFORATION RECORD

Date	Depth Range	Tool	Holes
8/25/08	4122-4132'	4 JSPF	40 holes
8/25/08	4212-4226'	4 JSPF	56 holes
8/25/08	4352-4358'	4 JSPF	24 holes
8/25/08	4378-4384'	4 JSPF	24 holes
8/25/08	4682-4688'	4 JSPF	24 holes
8/25/08	4958-4962'	4 JSPF	16 holes
8/25/08	4936-4942'	4 JSPF	24 holes
8/22/08	5052-5064'	4 JSPF	48 holes
9/18/07	5166-5182'	4 JSPF	84 holes
9/18/07	5394-5415'	4 JSPF	84 holes

**NEWFIELD**

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**FED. 9-18-9-16**

2054' FSL & 470' FEL

NE/SE Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-32920; Lease # UTU-64379

## Federal 11-17-9-16

Spud Date: 08/21/06  
 Put on Production: 09/28/06  
 K.B.: 6013, G.L.: 6001

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310 79")  
 DEPTH LANDED: 322 64" KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cm, est 6 bbls cm to surf

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts (6008 45")  
 DEPTH LANDED: 6021 70" KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 80"

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO OF JOINTS: 138 jts (4369")  
 TUBING ANCHOR: 4381"  
 NO OF JOINTS: 1 jts (31 3")  
 SEATING NIPPLE: 2-7/8" (1 10")  
 SN LANDED AT: 4415"  
 NO OF JOINTS: 1 jts (31 7")  
 GAS ANCHOR: 4448"  
 2 7/8" NIPPLE: 4463"  
 NO OF JOINTS: 5 jts (158 7")  
 TOTAL STRING LENGTH: EOT @ 4622"

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26"  
 SUCKER RODS: 1-2", 1 - 8", x 3/4" pony rods, 75- 7/8" 4 per guided rods, 93-3/4" 4 per guided rods, 6-1 1/2" sinker rods.  
 PUMP SIZE: 2 1/2" x 1 3/4" x 16" x 20" RTBC  
 STROKE LENGTH: 86"  
 PUMP SPEED: SPM 5

#### FRAC JOB

09/19/06 5873-5906' **Frac CP5 sands as follows:**  
 30146# 20/40 sand in 375 bbls Lightning 17 frac fluid. Treated @ avg press of 2325 psi w/avg rate of 25.3 BPM ISIP 2450 psi. Calc flush: 5904 gal Actual flush: 5376 gal

09/19/06 5532-5580' **Frac CP1, CP.5 sands as follows:**  
 55661# 20/40 sand in 468 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25.3 BPM ISIP 1975 psi. Calc flush: 5578 gal Actual flush: 5040 gal

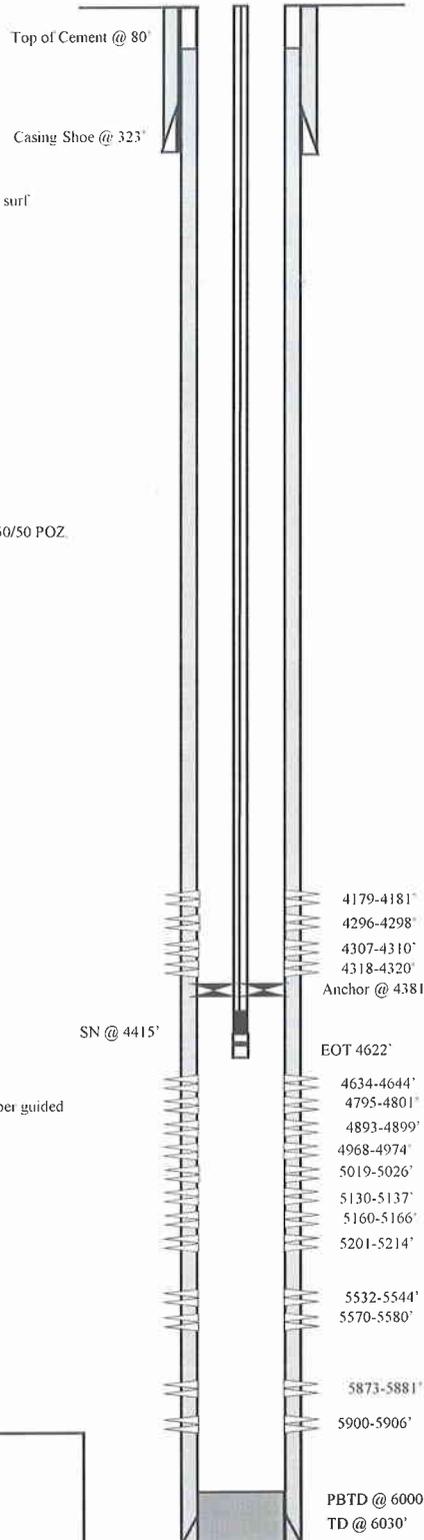
09/19/06 5130-5214' **Frac LODC sands as follows:**  
 90266# 20/40 sand in 656 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 psi w/avg rate of 25.2 BPM ISIP 2375 psi. Calc flush: 5212 gal Actual flush: 4662 gal

09/20/06 4893-5026' **Frac A1, A.5, B2 sands as follows:**  
 60197# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1950 psi w/avg rate of 25 BPM ISIP 2200 psi. Calc flush: 5024 gal Actual flush: 4410 gal

09/20/06 4761-4801' **Frac B.5, C sands as follows:**  
 50215# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 2225 psi w/avg rate of 28.2 BPM ISIP 2475 psi. Calc flush: 4799 gal Actual flush: 4284 gal

09/20/06 4634-4644' **Frac D1 sands as follows:**  
 28453# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2311 psi w/avg rate of 14.4 BPM ISIP 2900 psi. Calc flush: 4642 gal Actual flush: 4436 gal

7/25/07 **Pump change** Updated rod & tubing details  
 10/09/08 **Pump Change** Rod & tubing updated  
 10/8/09 **Tubing Leak** Updated rod & tubing details  
 12/6/10 4179-4320' **Frac PB8 & GB6 sands as follows:**  
 68964# 20/40 sand in 426 bbls Lightning 17 fluid  
 12/11/10 **Re-Completion finalized** - update rod & tbg detail  
 1/12/2011 **Tubing Leak** Update rod and tubing details  
 03/04/11 **Stuck Pump** Rod & tubing details updated.



#### PERFORATION RECORD

Date	Interval	SPF	Holes
09/13/06	5900-5906'	4 JSPF	24 holes
09/13/06	5873-5881'	4 JSPF	32 holes
09/19/06	5570-5580'	4 JSPF	40 holes
09/19/06	5532-5544'	4 JSPF	48 holes
09/19/06	5201-5214'	4 JSPF	52 holes
09/19/06	5160-5166'	4 JSPF	24 holes
09/19/06	5130-5137'	4 JSPF	28 holes
09/19/06	5019-5026'	4 JSPF	28 holes
09/19/06	4968-4974'	4 JSPF	24 holes
09/19/06	4893-4899'	4 JSPF	24 holes
09/20/06	4795-4801'	4 JSPF	24 holes
09/20/06	4761-4768'	4 JSPF	28 holes
09/20/06	4634-4644'	4 JSPF	40 holes
12/6/10	4318-4320'	3 JSPF	6 holes
12/6/10	4307-4310'	3 JSPF	9 holes
12/6/10	4296-4298'	3 JSPF	6 holes
12/6/10	4179-4181'	3 JSPF	6 holes



**Federal 11-17-9-16**  
 2022' FSL & 1854' FWL  
 NE/SW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33034; Lease #UTU-52018

## Federal 12-17-9-16

Spud Date: 8-17-06  
 Put on Production: 9-19-06  
 GL: 6046' KB: 6058'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311.66')  
 DEPTH LANDED: 323.51' 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: 137 jts (6012.04')  
 DEPTH LANDED: 6025.87' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 324 sxs Prem. Lite II mixed & 451 sxs 50/50 POZ  
 CEMENT TOP AT: 190'

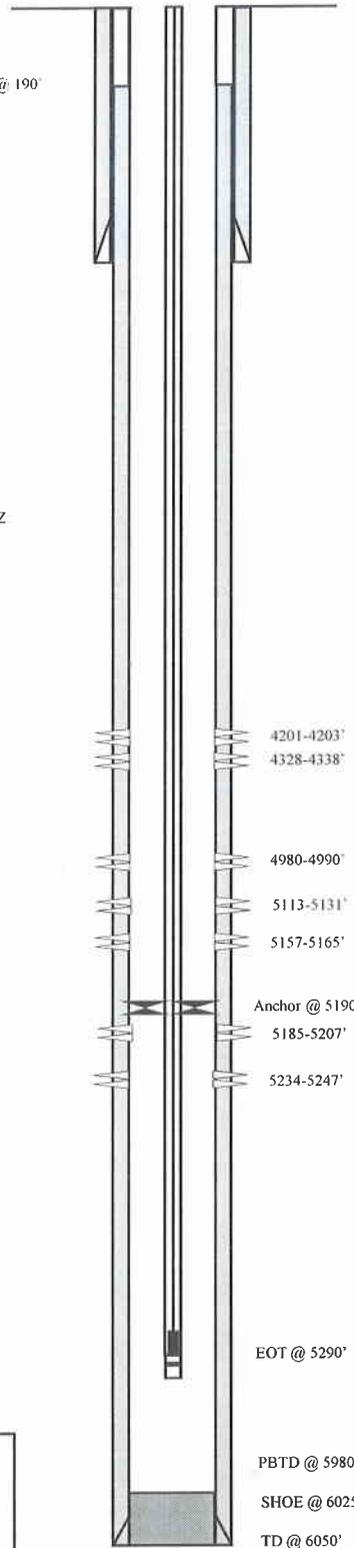
### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 165 jts (5190.4')  
 TUBING ANCHOR: 5190.4' KB  
 NO OF JOINTS: 1 jts (31.60')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5224.8' KB  
 NO OF JOINTS: 2 jts (63.3')  
 TOTAL STRING LENGTH: EOT @ 5290' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 10 - 3/4" guided rods, 93 - 3/4" plain rods,  
 101 - 3/4" guided rods, 6 - 1 1/2" weight rods  
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" x 20' RHAC  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 5 SPM

Cement top @ 190'



### FRAC JOB

09-13-06 5113-5247' **Frac LODC sands as follows:**  
 174414# 20/40 sand in 1154 bbls Lightning  
 17 frac fluid. Treated @ avg press of 1707 psi  
 w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc  
 flush 5111 gal. Actual flush 4620 gal

09-13-06 4980-4990' **Frac A1 sands as follows:**  
 34935# 20/40 sand in 386 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2372 psi  
 w/avg rate of 24.9 BPM. ISIP 2550 psi. Calc  
 flush 4978 gal. Actual flush 4746 gal

02/19/07 **Pump Change.** Update rod and tubing details

03/30/07 **Pump Change** Rod & Tubing detail updated

02/11/11 4201-4338' **Frac PB8 & GB6 sands as follows:** 47662#  
 20/40 sand in 294 bbls Lightning 17 fluid.

02/15/11 **Recompletion Finalized** - update rod and tbg  
 detail.

### PERFORATION RECORD

Date	Interval	ISPF	Holes
09-08-06	5234-5247'	4 JSFP	52 holes
09-08-06	5185-5207'	4 JSFP	88 holes
09-08-06	5157-5165'	4 JSFP	32 holes
09-08-06	5113-5131'	4 JSFP	72 holes
09-13-06	4980-4990'	4 JSFP	40 holes
02-11-11	4328-4338'	3 JSFP	30 holes
02-11-11	4201-4203'	3 JSFP	6 holes

Anchor @ 5190'

5185-5207'

5234-5247'

EOT @ 5290'

PBTD @ 5980'

SHOE @ 6025'

TD @ 6050'



### Federal 12-17-9-16

1919' FSL & 668' FWL

NW/SW Section 17-T9S-R16E

Duchesne Co, Utah

API # 43-013-33035; Lease # UTU-52018

# Federal 13-17-9-16

Spud Date: 8-3-06  
 Put on Production: 9-14-06  
 GL: 6049' KB: 6061'

## Injection Wellbore Diagram

### SURFACE CASING

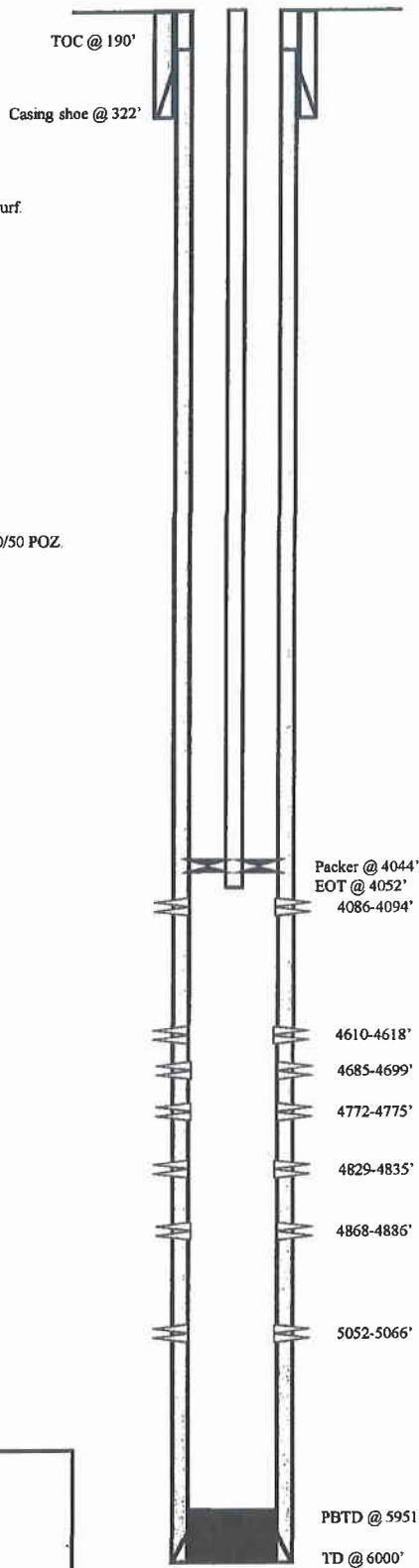
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310.19')  
 DEPTH LANDED: 322.04' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5969.67')  
 DEPTH LANDED: 5982.92' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 190'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 TUBING PUP: 1 jt (6.0')  
 NO. OF JOINTS: 127jts (5026')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4043.2' KB  
 PACKER: 4044.3'  
 TOTAL STRING LENGTH: EOT @ 4052' KB



### FRAC JOB

09-08-06 5052-5066' **Frac A3 sands as follows:**  
 53799# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1879 psi w/avg rate of 24.8 BPM. ISIP 2050 psi. Calc flush: 5050 gal. Actual flush: 4536 gal.

09-08-06 4829-4886' **Frac B2, & B1 sands as follows:**  
 84971# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1856 psi w/avg rate of 24.9 BPM. ISIP 2250 psi. Calc flush: 4827 gal. Actual flush: 4326 gal.

09-08-06 4610-4699' **Frac D2, & D1 sands as follows:**  
 70145# 20/40 sand in 528 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4608 gal. Actual flush: 4032 gal.

09-08-06 4086-4094' **Frac GB4 sands as follows:**  
 29228# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 1944 w/avg rate of 24.9 BPM. ISIP 1640 psi. Calc flush: 4084 gal. Actual flush: 3990 gal.

1-10-08 **Pump Change** Updated rod & tubing details

04/04/11 **Tubing leak.** Rod & tubing updated.

05/08/12 4772-4775' **Frac C sands as follows:** 23718# 20/40 sand in 309 bbls Lightning 17 frac fluid.

05/11/12 **Convert to Injection Well**

05/15/12 **Conversion MIT Finalized** - update tbg detail

### PERFORATION RECORD

Date	Interval	Tool	Holes
09-01-06	5052-5066'	4 JSPF	56 holes
09-08-06	4868-4886'	4 JSPF	72 holes
09-08-06	4829-4835'	4 JSPF	24 holes
09-08-06	4685-4699'	4 JSPF	56 holes
09-08-06	4610-4618'	4 JSPF	32 holes
09-08-06	4086-4094'	4 JSPF	32 holes
05/07/12	4772-4775'	3 JSPF	9 holes

**NEWFIELD**

**Federal 13-17-9-16**

746' FSL & 842' FWL

SW/SW Section 17-T9S-R16E

Duchesne Co, Utah

API # 43-013-33036; Lease # UTU-52018

## WEST POINT FED. 7-18-9-16

Spud Date: 05/22/07  
 Put on Production: 06/29/07  
 GL: 5902' KB: 5914'

Initial Production: BOPD,  
 MCFD: BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (306.52')  
 DEPTH LANDED 318.37' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt. est 4 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 136 jts (5935.87')  
 DEPTH LANDED 5949.12' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP 41'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 181 jts (5638.00')  
 TUBING ANCHOR 5638' KB  
 NO OF JOINTS 1 jts (31.7')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 5673' KB  
 NO OF JOINTS 2 jts (63.3')  
 TOTAL STRING LENGTH EOT @ 5737' KB

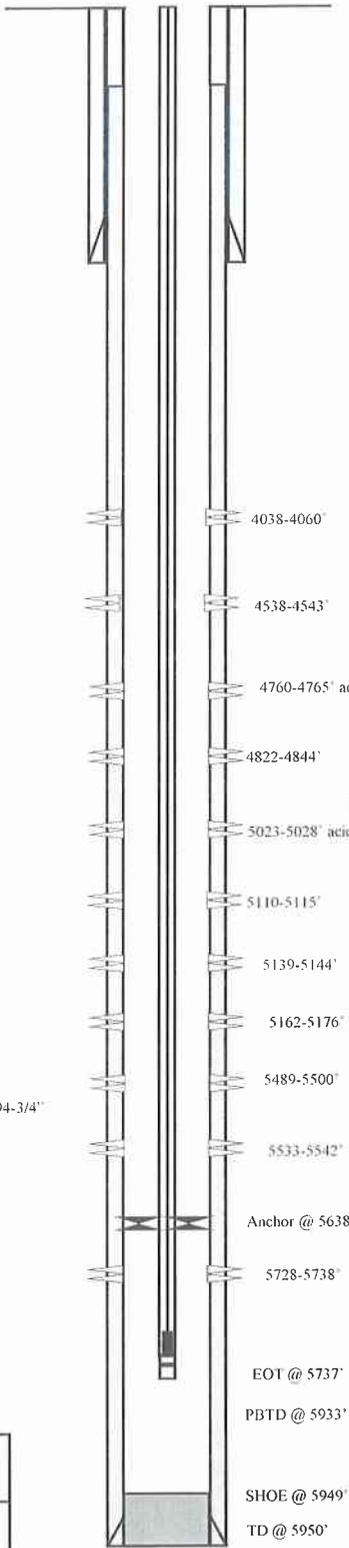
### SUCKER RODS

POLISHED ROD 1-1/2" x 26' SM polished rods  
 SUCKER RODS 1-2" & 1-6" x 3/4" pony rods, 98-3/4" guided rods, 94-3/4" sucker rods, 28-3/4" guided rods, 6-1 1/2" sinker bars  
 PUMP SIZE CDI 2-1/2" x 1-1/4" x 16" x 20" RHAC  
 STROKE LENGTH: 120"  
 PUMP SPEED: 4 SPM

### FRAC JOB

06/21/07	5728-5738'	<b>Frac CP5 sands as follows:</b> 1878# 20/40 sand in 302 bbls Lightning 17 frac fluid Treated @ avg press of 2145 psi w/avg rate of 24.7 BPM ISIP 2180 psi Calc flush 5726 gal Actual flush 5250 gal
06/21/07	5489-5542'	<b>Frac CP2 &amp; CP1 sands as follows:</b> 79580# 20/40 sand in 611 bbls Lightning 17 frac fluid Treated @ avg press of 2144 psi w/avg rate of 24.7 BPM ISIP 2255 psi Calc flush 5531 gal Actual flush 4998 gal
06/21/07	5110-5176'	<b>Frac LODC sands as follows:</b> 90131# 20/40 sand in 670 bbls Lightning 17 frac fluid Treated @ avg press of 2615 psi w/avg rate of 24 BPM ISIP 2629 psi Calc flush 5108 gal Actual flush 4662 gal
06/21/07	5023-5028'	<b>Perf. A3 sands/Acid.</b> Spotted acid twice on perf's, perf's still won't break down
06/21/07	4822-4844'	<b>Frac B2 sands as follows:</b> 125067# 20/40 sand in 861 bbls Lightning 17 frac fluid Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM ISIP 2227 psi Calc flush 4820 gal Actual flush 4368 gal
06/21/07	4760-4765'	<b>Perf. B.5 sands/Acid.</b> Spotted acid on perf's, perf's still won't break down
06/22/07	4538-4543'	<b>Frac D1 sands as follows:</b> 15108# 20/40 sand in 239 bbls Lightning 17 frac fluid Treated @ avg press of 2126 psi w/avg rate of 24.7 BPM ISIP 1935 psi Calc flush 4536 gal Actual flush 4074 gal
06/22/07	4038-4060'	<b>Frac GB4 sands as follows:</b> 88792# 20/40 sand in 618 bbls Lightning 17 frac fluid Treated @ avg press of 1713 psi w/avg rate of 24.8 BPM ISIP 2050 psi Calc flush 4036 gal Actual flush 4032 gal

12/16/11  
 Pump Change Rods & tubing updated



### PERFORATION RECORD

06/21/07	5728-5738'	4 JSPF	40 holes
06/21/07	5533-5542'	4 JSPF	36 holes
06/21/07	5489-5500'	4 JSPF	44 holes
06/21/07	5162-5176'	4 JSPF	56 holes
06/21/07	5139-5144'	4 JSPF	20 holes
06/21/07	5110-5115'	4 JSPF	20 holes
06/21/07	5023-5028'	4 JSPF	20 holes
06/21/07	4822-4844'	4 JSPF	88 holes
06/21/07	4760-4765'	4 JSPF	20 holes
06/22/07	4538-4543'	4 JSPF	20 holes
06/22/07	4038-4060'	4 JSPF	88 holes



**WEST POINT FED. 7-18-9-16**  
 1962' FNL & 1941' FEL  
 SW/NE Section 18-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32919; Lease # UTU-74390

## FEDERAL 10-18-9-16

Spud Date: 05/18/07  
 Put on Production: 6/21/07  
 GL: 5921' KB: 5933'

Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (314.33')  
 DEPTH LANDED 324.33' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, circ 2 bbls to surf.

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 135 jts (5900.07')  
 DEPTH LANDED 5882.14' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP 17' per CBL 6/13/7

### TUBING (GI 6/21/07)

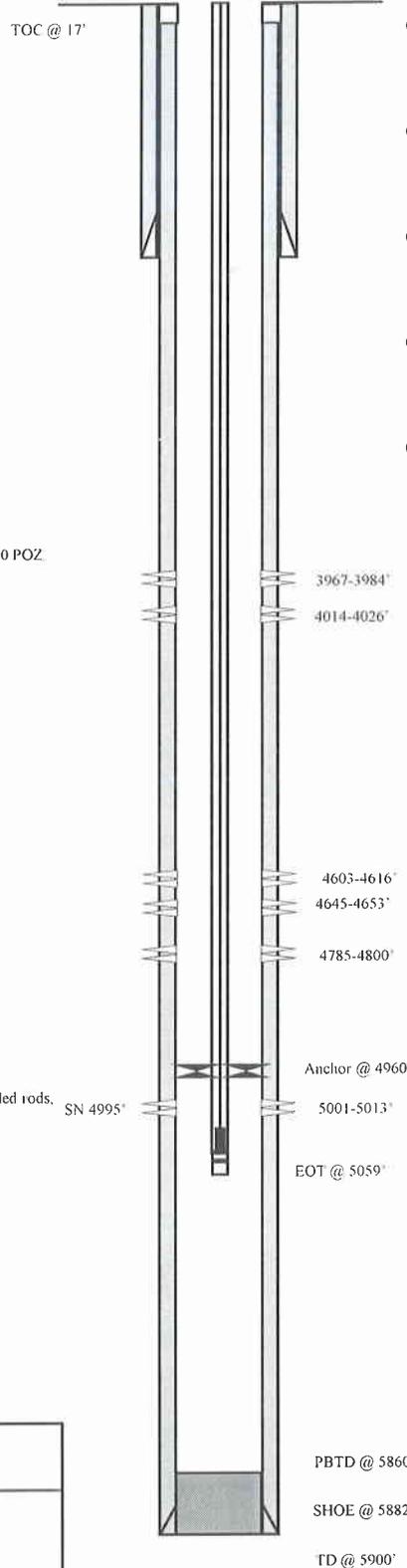
SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 159 jts (4960.31')  
 TUBING ANCHOR 4960.3' KB  
 NO OF JOINTS 1 jt (31.70')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 4994.80' KB  
 NO OF JOINTS 2 jts (63.10')  
 TOTAL STRING LENGTH EOT @ 5059' KB

### SUCKER RODS (GI 2/23/10)

POLISHED ROD 1-1/2" x 26' SM polished rods  
 SUCKER RODS 1-2", 1-4", 1-6" x 1/2" pony rods, 99-3/4" guided rods, 74-3/4" sucker rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
 SN 4995'  
 PUMP SIZE CDI 2-1/2" x 1-1/2" x 16" X 21" RHAC  
 STROKE LENGTH 102.5"  
 PUMP SPEED, SPM 5  
 PUMPING UNIT DARCO C-320-256-120

### FRAC JOB

06/18/07	5001-5013'	<b>Frac A3 sands as follows:</b> 50726# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated @ avg press of 3230 psi w/avg rate of 24.2 BPM ISIP 3789 psi. Calc flush: 4999 gal. Actual flush: 4536 gal
06/18/07	4785-4800'	<b>Frac B2 sands as follows:</b> 70146# 20/40 sand in 555 bbls Lightning 17 frac fluid. Treated @ avg press of 3230 psi w/avg rate of 24.2 BPM ISIP 2160 psi. Calc flush: 4783 gal. Actual flush: 4326 gal
06/18/07	4603-4653'	<b>Frac D3&amp;C sands as follows:</b> 46884# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 3230 psi w/avg rate of 24.2 BPM ISIP 2165 psi. Calc flush: 4601 gal. Actual flush: 4116 gal
06/18/07	3967-4026'	<b>Frac CB4&amp;6 sands as follows:</b> 106590# 20/40 sand in 762 bbls Lightning 17 frac fluid. Treated @ avg press of 1767 psi w/avg rate of 24.8 BPM ISIP 1980 psi. Calc flush: 3965 gal. Actual flush: 3864 gal
02/25/10		Pump Change. Rod & Tubing updated



### PERFORATION RECORD

06/12/07	5001-5013'	4 JSPF	48 holes
06/18/07	4785-4800'	4 JSPF	60 holes
06/18/07	4645-4653'	4 JSPF	32 holes
06/18/07	4603-4616'	4 JSPF	52 holes
06/18/07	4014-4026'	4 JSPF	48 holes
06/18/07	3967-3984'	4 JSPF	68 holes



**FEDERAL 10-18-9-16**  
 1988' FSL & 1938' FEL  
 NW/SE Section 18-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32921; Lease # UTU-64379

## FEDERAL 15-18-9-16

Spud Date: 09/18/07  
 Put on Production: 10/16/07  
 GL: 6049' KB: 6061'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (312.36')  
 DEPTH LANDED: 324.21' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, 2-300 sxs Class "G" cmt, est 7 bbls cmt to surf

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 154 jts (5986.37')  
 DEPTH LANDED: 5999.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP: 30'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 182 jts (5610.75')  
 TUBING ANCHOR: 5610.75' KB  
 NO. OF JOINTS: 2 jts (62.42')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5675.97' KB  
 NO. OF JOINTS: 2 jts (61.58')  
 TOTAL STRING LENGTH: EOT @ 5739.10' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2", & 1-6" x 3/4" pony rods, 100-3/4" scraped rods, 100-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14" x 18 1/2" RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED: 4.5 SPM

#### FRAC JOB

10/11/07 5649-5658' **Frac CP3 sands as follows:**  
 15067# 20/40 sand in 290 bbls Lightning 17 frac fluid Treated @ avg press of 2158 psi w/avg rate of 24.8 BPM. ISIP 1805 psi Calc flush: 5647 gal. Actual flush: 5166 gal

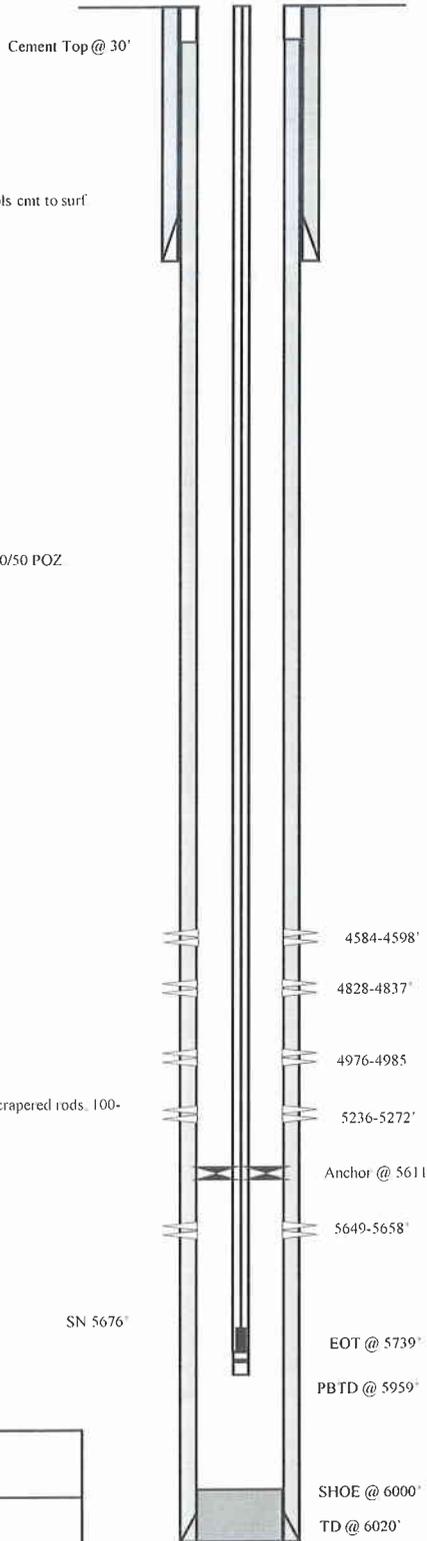
10/11/07 5236-5272' **Frac LODC sands as follows:**  
 159885# 20/40 sand in 1115 bbl Lightning 17 frac fluid Treated @ avg press of 1955 psi w/avg rate of 24.8 BPM. ISIP 2340 psi Calc flush: 5234 gal. Actual flush: 4746 gal

10/11/07 4976-4985' **Frac A1 sands as follows:**  
 34607# 20/40 sand in 423 bbls Lightning 17 frac fluid Treated @ avg press of 2543 psi w/avg rate of 29.9 BPM. ISIP 3582 psi Calc flush: 4974 gal. Actual flush: 4494 gal

10/11/07 4828-4837' **Frac B1 sands as follows:**  
 15082# 20/40 sand in 267 bbls Lightning 17 frac fluid Treated @ avg press of 2075 psi w/avg rate of 24.8 BPM. ISIP 1935 psi Calc flush: 4826 gal. Actual flush: 4326 gal

10/11/07 4584-4598' **Frac D1 sands as follows:**  
 47763# 20/40 sand in 455 bbls Lightning 17 frac fluid Treated @ avg press of 1975 psi w/avg rate of 24.8 BPM. ISIP 2078 psi Calc flush: 4582 gal. Actual flush: 4491 gal

12-31-07 Pump Change. Updated rod & tubing details



#### PERFORATION RECORD

Date	Depth Range	Tool	Holes
10/11/07	4584-4598'	4 JSPF	56 holes
10/11/07	4828-4837'	4 JSPF	36 holes
10/11/07	4976-4985'	4 JSPF	36 holes
10/11/07	5236-5272'	4 JSPF	144 holes
10/11/07	5649-5658'	4 JSPF	36 holes



**NEWFIELD**

**BELUGA FEDERAL 15-18-9-16**

657'FSI. & 2350' FEL

SW/SE Section 18-T9S-R16E

Duchesne Co, Utah

API #43-013-33001, Lease # UTU-64379

## FEDERAL 16-18-9-16

Spud Date 06/27/07  
 Put on Production 09/13/07  
 GL: 6111' KB 6123'

Initial Production: BOPD  
 MCFD: BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (305 53')  
 DEPTH LANDED 317 38' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, 5 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 139 jts (6028 19')  
 DEPTH LANDED 6041 44' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP 70'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55  
 NO OF JOINTS 167 jts (5259 32')  
 TUBING ANCHOR 5271 32' KB  
 NO OF JOINTS 1 jts (31 54')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 5305 66' KB  
 NO OF JOINTS 2 jts (62 65')  
 TOTAL STRING LENGTH EOT @ 5369 86' KB

### SUCKER RODS

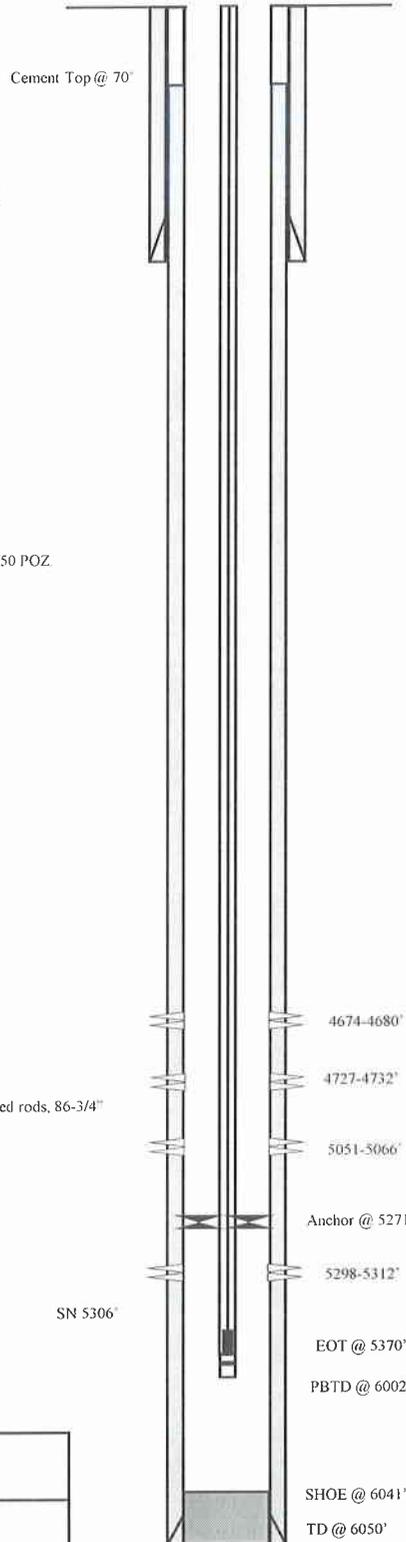
POLISHED ROD 1-1/2" x 22' SM polished rods  
 SUCKER RODS 1-2', & 1-8' x 3/4" pony rods, 99-3/4" guided rods, 86-3/4" slick rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE CDI 2-1/2" x 1-1/2" x 12 x 15" RHAC  
 STROKE LENGTH 86"  
 PUMP SPEED, 5 SPM

### FRAC JOB

09/10/07	5704-5716'	<b>Frac LODC sands as follows:</b> 49689# 20/40 sand in 465 bbls Lightning 17 frac fluid Treated @ avg press of 1986 psi w/avg rate of 24.7 BPM ISIP 2376 psi. Calc flush 5702 gal Actual flush 4830 gal
09/10/07	5051-5066'	<b>Frac A1 sands as follows:</b> 79844# 20/40 sand in 628 bbls Lightning 17 frac fluid Treated @ avg press of 2030 psi w/avg rate of 24.8 BPM ISIP 2400 psi. Calc flush 4999 gal Actual flush 4578 gal
09/12/07	4674-4732'	<b>Frac D2 &amp; D1 sands as follows:</b> 31828# 20/40 sand in 394 bbls Lightning 17 frac fluid Treated @ avg press of 1974 psi w/avg rate of 24.8 BPM ISIP 1974 psi. Calc flush 4672 gal Actual flush 4578 gal
1-10-08		Pump Change Updated rod & tubing details
1/14/09		Pump Change Updated rod & tubing details

### PERFORATION RECORD

09/11/07	5298-5312'	4 JSPF	56 holes
09/11/07	5051-5066'	4 JSPF	60 holes
09/11/07	4727-4732'	4 JSPF	20 holes
09/11/07	4674-4680'	4 JSPF	24 holes





**FEDERAL 16-18-9-16**  
 964' FSL & 297' FEL  
 SE/SE Section 18-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32922; Lease # UTU-64379

# Monument Federal 42-18-9-16Y

Spud Date: 03/10/97  
 Put on Production: 4/10/97  
 GL: 6064' KB: 6078'

Initial Production: 23.5 BOPD,  
 13.5 MCFPD, 1 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 DEPTH LANDED 261'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 axs Class "G" + 2% CaCl<sub>2</sub> + 1/4#/sx Cello Flake

**PRODUCTION CASING**

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 138 jts (5859')  
 DEPTH LANDED 5869'  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 145 axs Prem Lite Plus + 10% gel .6#/sx BA-981 + 5% sod met + 2#/sx Kol seal + 1/4#/sx Cello Flake

**TUBING**

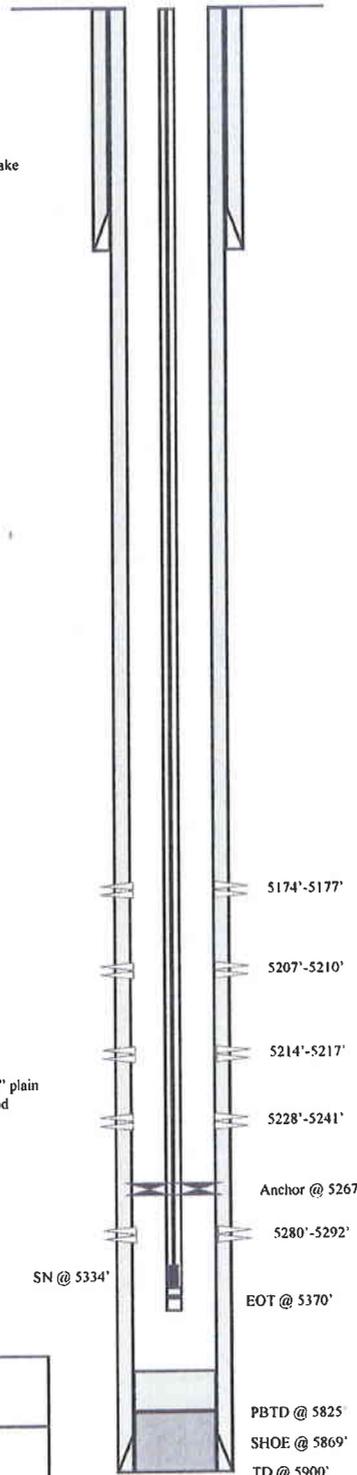
SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 170 jts (5258.81')  
 TUBING ANCHOR 5268.81'  
 NO OF JOINTS 2 jts (62.02')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 5333.63' KB  
 NO OF JOINTS 1 Perf sub (4.0')  
 TOTAL STRING LENGTH EOT @ 5370.19'

**ROD STRING**

POLISHED ROD 1-1/4" x 22' SM  
 SUCKER RODS 4-1 1/2" weight bars, 10-3/4" scraped rods, 153-3/4" plain rods, 50-3/4" scraped rods, 1-3/4" plain rods, 2-4', 1-6' x 3/4" pony rod  
 PUMP SIZE 2-1/2" x 1-1/2" x 12' x 16' RHAC  
 STROKE LENGTH 74"  
 PUMP SPEED, SPM 4  
 LOGS DLL, CNL/LDT, CBI/GR

**FRAC JOB**

3/27/97 5174'-5292' Frac G3, G4 sands as follows:  
 30,600# 20/40 sand and 69,200# 16/30 sand in 719 bbl 2% KCL water Avg Treating pressure of 1850 psi @ 34.5 BPM, (SIP 1900 psi)  
 10/27/04 Tubing Leak Update rod and tubing details



**PERFORATION RECORD**

Date	Interval	Tool	Holes
3/26/97	5280'-5292'	2 JSPF	06 holes
3/26/97	5228'-5241'	2 JSPF	06 holes
3/26/97	5214'-5217'	2 JSPF	06 holes
3/26/97	5207'-5210'	2 JSPF	26 holes
3/26/97	5174'-5177'	2 JSPF	24 holes

**NEWFIELD**

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**Monument Federal 42-18-9-16Y**  
 2007 FNL & 388 FEL  
 SE/NE Sec. 18, T9S R16E  
 Duchesne, County  
 API# 43-013-31724; Lease# UTU-74390

# Monment Federal 41-18-9-16Y

Spud Date: 06/20/96  
 Put on Production: 7/19/96  
 Put on injection: 07/16/02  
 GL: 6019' KB: 6029'

## Injection Wellbore Diagram

### SURFACE CASING

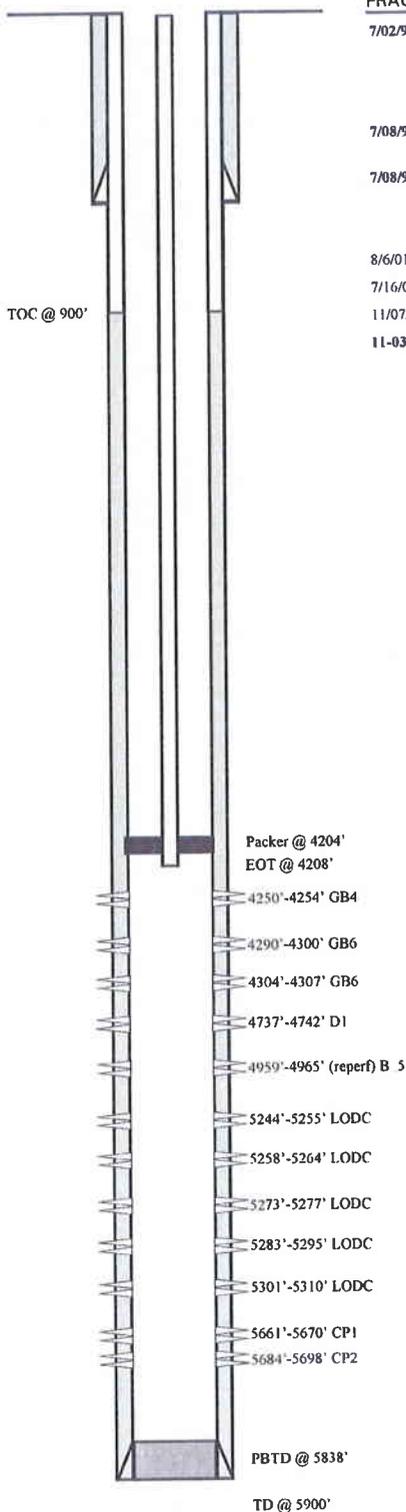
CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (254.60')  
 DEPTH LANDED 265'  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 160 sxs Class "G" cmt, circ. 4 bbls to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 137 jts (5874')  
 DEPTH LANDED 5884' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA: 300 sxs Super "G" & 360 sxs 50/50 POZ  
 CEMENT TOP: 900' per CBL 6/26/96

### TUBING (KS 11/20/06)

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 135 jts (4189.20')  
 SEATING NIPPLE 2-7/8" (1.10')  
 SN LANDED AT 4199.20'  
 AS1 PACKER (7.20')  
 PACKER SET AT 4203.50' KB  
 TOTAL STRING LENGTH EOT @ 4207.50' KB



### FRAC JOB

7/02/96	5244'-5310'	42,168 gals 2% KCL wtr & 54,070 # 20/40 ss and 98,380 # 16/30 ss Used 1004 bbls wtr Start forced closure flow back @ 1.0 bpm Flowed back 450 bbls wtr, 0 bbls wtr, and trace of sand
7/08/96	4737'-4965'	18,900 gals 2% KCL wtr & 50,000 # / 16/30 ss No flow back
7/08/96	4250'-4307'	22,470 gals 2% KCL wtr and 78,230 # 16/30 mesh ss. 32.5 BPOM Start forced closure flow back @ 5 bpm, flow back 15 BW
8/6/01		Tubing job Updated tubing & rod details
7/16/02		Convert to injector
11/07/06		Recompletion (new perms)
11-03-06	5698'-5661'	<b>Frac CP1 and CP2 sand as follows:</b> 19,014# 20/40 sand in 209 bbls lightning 17 frac fluid, treated w/ avg press of 3000psi @ avg rate of 14.6 BPM. ISIP @ 1970 psi Calc flush 2507', Acutal flush 1373

### PERFORATION RECORD

Date	Depth Range	SPF	Holes
	4250'-4254'	4 SPF	16 holes
	4290'-4300'	4 SPF	40 holes
	4304'-4307'	4 SPF	12 holes
	4737'-4742'		7 holes
11/02/06	4959'-4965'		7 holes (reperf)
	5244'-5255'	2 SPF	22 holes
	5258'-5264'	2 SPF	12 holes
	5273'-5277'	2 SPF	8 holes
	5283'-5295'	2 SPF	24 holes
	5301'-5310'	2 SPF	18 holes
11/02/06	5661'-5670'	4 JSPF	36 holes
11/02/06	5684'-5698'	4 JSPF	56 holes

**NEWFIELD**

**Monument Federal 41-18-9-16**  
 497' FNL & 424' FEL  
 NENE Section 18-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31646; Lease #U-74390

## West Point #5-17-9-16

Spud Date: 12/10/2001  
 Put on Injection: 7/30/2003  
 GL: 5984' KB: 5994'

Initial Production: 63 BOPD,  
 115 MCFD, 21 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.04')  
 DEPTH LANDED: 310.04' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 145 sxs Class "G" cmt, est 4 bbls cmt to surf

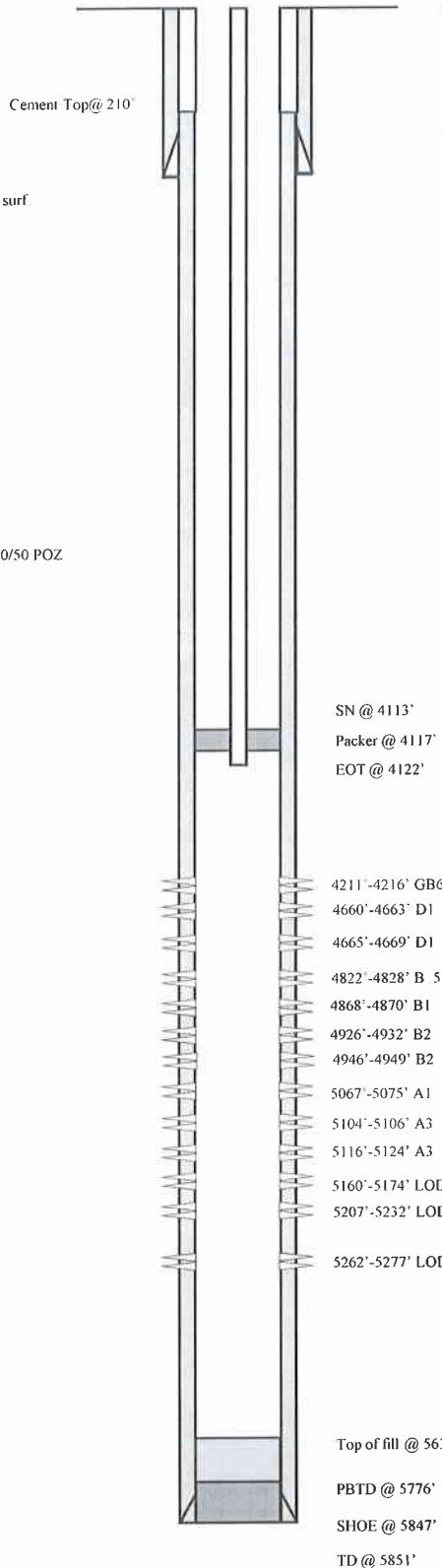
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5849.11')  
 DEPTH LANDED: 5846.71' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP AT: 210' per CBL

### TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
 NO OF JOINTS: 126 jts (4103.08')  
 SEATING NIPPLE: 2 7/8" (1.10')  
 SN LANDED AT: 4113.08' KB  
 PACKER: 4117.48'  
 TOTAL STRING LENGTH: EOT @ 4121.53' KB

### Injection Well Wellbore Diagram



### FRAC JOB

7/22/02 5067'-5277' **Frac A1, A3, LODC sands as follows:**  
 158,285# 20/40 sand in 1062 bbls Viking 1-25 fluid. Treated @ avg press of 1650 psi w/avg rate of 28 BPM. ISIP 2040 psi. Calc flush: 5067 gal. Actual flush: 4998 gal.

7/22/02 4822'-4949' **Frac B0.5, B1, B2 sands as follows:**  
 59,431# 20/40 sand in 474 bbls Viking 1-25 fluid. Treated @ avg press of 2100 psi w/avg rate of 27 BPM. ISIP 2010 psi. Calc flush: 4822 gal. Actual flush: 4725 gal.

7/22/02 4660'-4669' **Frac D1 sand as follows:**  
 19,371# 20/40 sand in 237 bbls Viking 1-25 fluid. Treated @ avg press of 2250 psi w/avg rate of 27 BPM. ISIP 1910 psi. Calc flush: 4660 gal. Actual flush: 4578 gal.

7/22/02 4211'-4216' **Frac GB6 sands as follows:**  
 19,416# 20/40 sand in 173 bbls Viking 1-25 fluid. Treated @ avg press of 2800 psi w/avg rate of 24.5 BPM. Screened out w/ 7623# sand in formation and 11,793# sand in casing. Calc flush: 4211 gal. Actual flush: 1911 gal. ISIP - NA.

7/30/03  
 6/25/08 **Converted to Water Injector.**  
**5 Year MIT completed and submitted.**

### PERFORATION RECORD

Date	Interval	Tool	Holes
7/19/02	5262'-5277'	4 JSPF	60 holes
7/19/02	5207'-5232'	4 JSPF	100 holes
7/19/02	5160'-5174'	4 JSPF	56 holes
7/19/02	5116'-5124'	4 JSPF	32 holes
7/19/02	5104'-5106'	4 JSPF	08 holes
7/19/02	5067'-5075'	4 JSPF	32 holes
7/22/02	4946'-4949'	4 JSPF	12 holes
7/22/02	4926'-4932'	4 JSPF	24 holes
7/22/02	4868'-4870'	4 JSPF	08 holes
7/22/02	4822'-4828'	4 JSPF	24 holes
7/22/02	4665'-4669'	4 JSPF	16 holes
7/22/02	4660'-4663'	4 JSPF	12 holes
7/22/02	4211'-4216'	4 JSPF	20 holes



**West Point #5-17-9-16**  
 1845' FNL & 850' FWL  
 SWNW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32281; Lease #UTU-74390

# West Point 4-17-9-16

Spud Date: 11/13/2001  
 Put on Production: 7/23/02  
 GL: 6014' KB: 6024'

Initial Production: 39 BOPD,  
 915 MCFD, 3 BWPD

Injection Wellbore  
 Diagram

**SURFACE CASING**

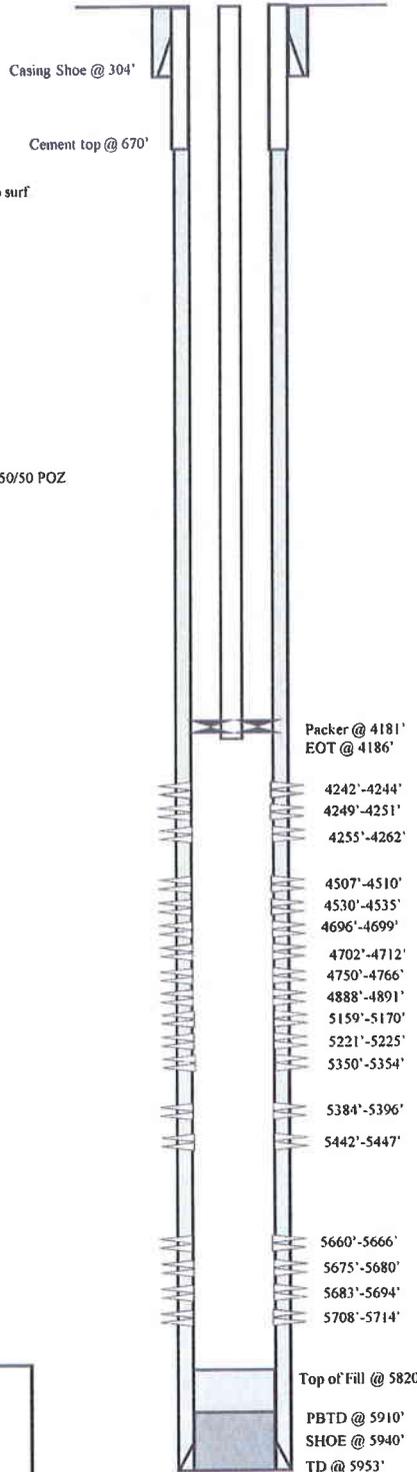
CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (295.67')  
 DEPTH LANDED 303.67' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA 150 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15.5#  
 LENGTH 133 jts (5943.32')  
 DEPTH LANDED 5940.92' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prom Lite II mixed & 500 sxs 50/50 POZ  
 CEMENT TOP AT 670' per CBL

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS 129 jts (4167')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT 4177' KB  
 CE @ 4181 17'  
 TOTAL STRING LENGTH EOT @ 4186' KB



**FRAC JOB**

7/16/02	5660'-5714'	<b>Frac CP1,2,3 sand as follows:</b> 75,449# 20/40 sand in 590 bbls Viking I-25 fluid Treated @ avg press of 1617 psi w/avg rate of 26 l BPM ISIP 2180 psi Calc flush 5660 gal Actual flush: 5565 gal
7/16/02	5159'-5447'	<b>Frac A3, LODC sands as follows:</b> 99,628# 20/40 sand in 699 bbls Viking I-25 fluid Treated @ avg press of 2039 psi w/avg rate of 26 l BPM ISIP 2880 psi Calc flush 5159 gal Actual flush: 5061 gal
7/16/02	4696-4891'	<b>Frac DS3, D1, A3 sands as follows:</b> 90,540# 20/40 sand in 625 bbls Viking I-25 fluid Treated @ avg press of 1505 psi w/avg rate of 26 l BPM ISIP 2130 psi Calc flush: 4696 gal Actual flush 4599 gal
7/16/02	4242'-4535'	<b>Frac GB4, PB10, PB11 sands as follows:</b> 61,611# 20/40 sand in 458 bbls Viking I-25 fluid Treated @ avg press of 1969 psi w/avg rate of 25.9 BPM ISIP 2200 psi Calc flush: 4242 gal Actual flush 4158 gal
1/22/04		<b>Pump Change.</b>
2/2/04		<b>Pump Change.</b> Update rod and tubing details
03/19/04		<b>Pump Change.</b>
5/9/05		<b>Tubing leak</b> Update rod and tubing details
02/21/06		<b>Tubing leak.</b>
02/22/06		<b>Tubing leak.</b> Update rod and tubing details
07-12-06		<b>Pump Change</b> Update rod & tubing details
03/23/11		<b>Pump Change</b> Rod & tubing details updated
09/23/11		<b>Convert to Injection Well</b>
09/27/11		<b>Conversion MIT Finalized</b> - update tbg detail

**PERFORATION RECORD**

7/12/02	5708'-5714'	4 JSPF	24 holes
7/12/02	5683'-5694'	4 JSPF	44 holes
7/12/02	5675'-5680'	4 JSPF	20 holes
7/12/02	5660'-5666'	4 JSPF	24 holes
7/16/02	5442'-5447'	4 JSPF	20 holes
7/16/02	5384'-5396'	4 JSPF	48 holes
7/16/02	5350'-5354'	4 JSPF	16 holes
7/16/02	5221'-5225'	4 JSPF	16 holes
7/16/02	5159'-5170'	4 JSPF	44 holes
7/16/02	4888'-4891'	4 JSPF	12 holes
7/16/02	4750'-4766'	4 JSPF	64 holes
7/16/02	4702'-4712'	4 JSPF	40 holes
7/16/02	4696'-4699'	4 JSPF	12 holes
7/16/02	4530'-4535'	4 JSPF	20 holes
7/16/02	4507'-4510'	4 JSPF	12 holes
7/16/02	4255'-4262'	4 JSPF	28 holes
7/16/02	4249'-4251'	4 JSPF	08 holes
7/16/02	4242'-4244'	4 JSPF	08 holes

**NEWFIELD**

**West Point 4-17-9-16**  
 532' FNL & 667' FWL  
 NWNW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32280; Lease #UTU-74390

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				

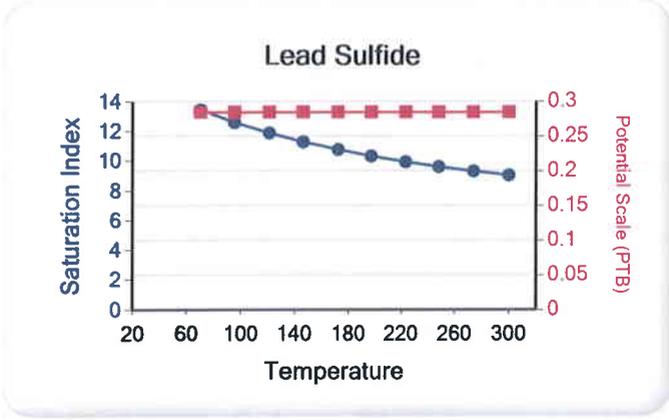
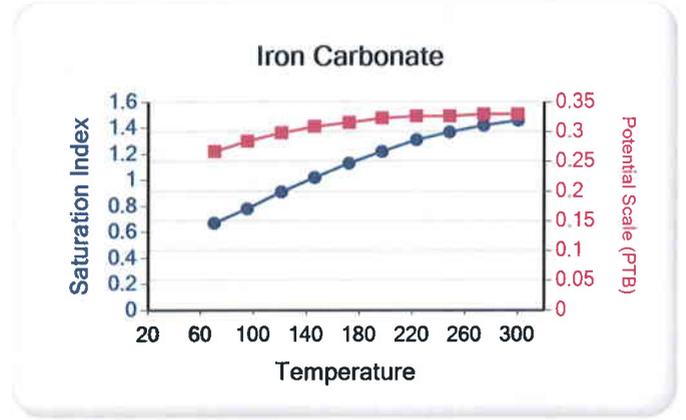
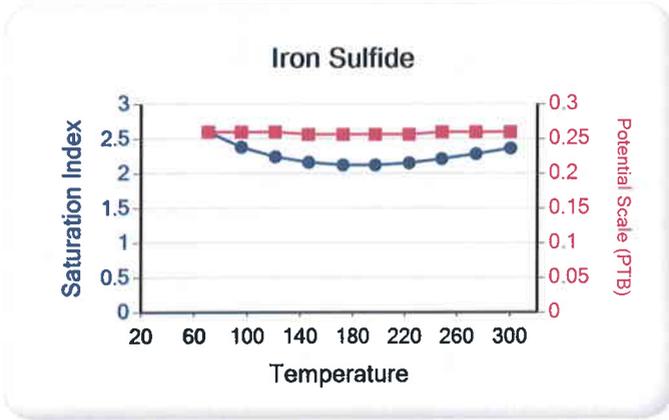
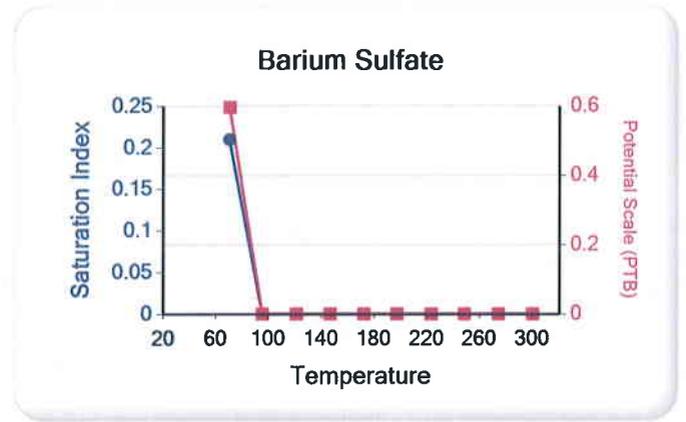
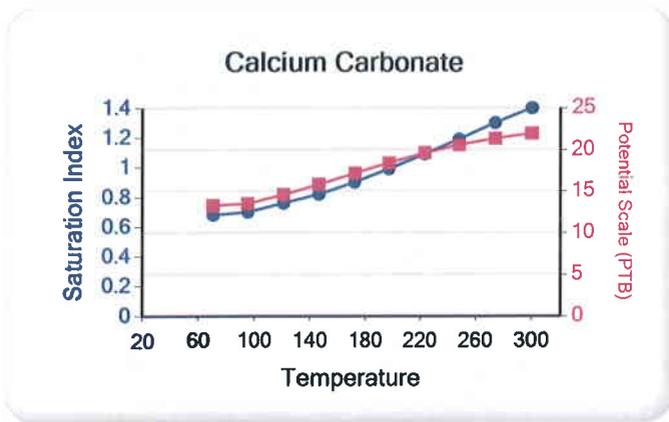
Notes:

(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



3 of 5

Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **FEDERAL 9-18-9-16**  
Sample Point: **Treater**  
Sample Date: **7/23/2012**  
Sample ID: **WA-220531**

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			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	8/3/2012	Sodium (Na):	7068.25	Chloride (Cl):	6000.00
System Temperature 1 (°F):	120.00	Potassium (K):	30.00	Sulfate (SO4):	2040.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	2.00	Bicarbonate (HCO3):	5978.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	5.40	Carbonate (CO3):	
System Pressure 2 (psig):	60.00000	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.012	Barium (Ba):	0.24	Propionic Acid (C2H5COO)	
pH:	10.00	Iron (Fe):	28.40	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	21152.59	Zinc (Zn):	0.01	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.04	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.25	Silica (SiO2):	
H2S in Water (mg/L):	150.00				

**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
210.00	60.00	2.10	4.69	0.29	0.07	6.29	15.67	4.51	20.65	0.00	0.00	0.00	0.00	0.00	0.00	9.99	0.00
200.00	60.00	2.06	4.69	0.31	0.07	6.29	15.67	4.47	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.09	0.00
190.00	60.00	2.02	4.68	0.33	0.08	6.30	15.67	4.43	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.20	0.00
180.00	60.00	1.98	4.68	0.36	0.08	6.31	15.67	4.39	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.31	0.00
170.00	60.00	1.95	4.67	0.39	0.08	6.33	15.67	4.34	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.43	0.00
160.00	60.00	1.91	4.67	0.42	0.09	6.35	15.67	4.30	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.55	0.00
150.00	60.00	1.88	4.67	0.46	0.09	6.38	15.67	4.25	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.69	0.00
140.00	60.00	1.85	4.66	0.51	0.10	6.41	15.67	4.21	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.82	0.00
130.00	60.00	1.82	4.65	0.56	0.11	6.45	15.67	4.16	20.65	0.00	0.00	0.00	0.00	0.00	0.00	10.97	0.00
120.00	60.00	1.79	4.65	0.62	0.11	6.50	15.67	4.11	20.65	0.00	0.00	0.00	0.00	0.00	0.00	11.13	0.00

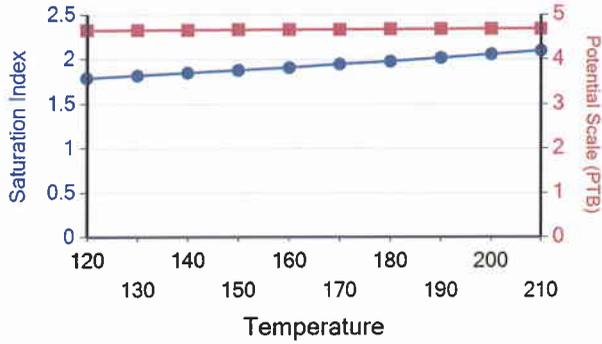
Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.01	11.66	0.02	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.01	11.83	0.02	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.01	12.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.01	12.19	0.02	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17	0.01	12.39	0.02	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.01	12.60	0.02	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.01	12.81	0.02	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.01	13.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.01	13.28	0.02	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.01	13.54	0.02	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

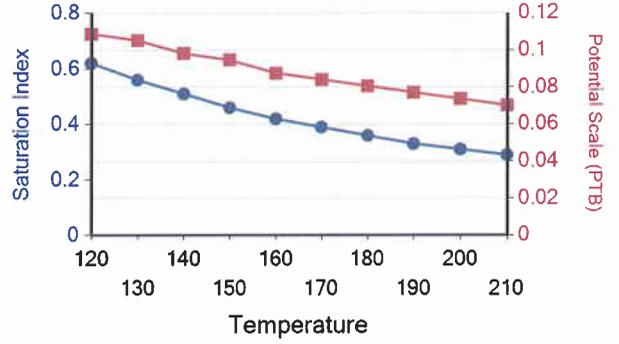
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

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

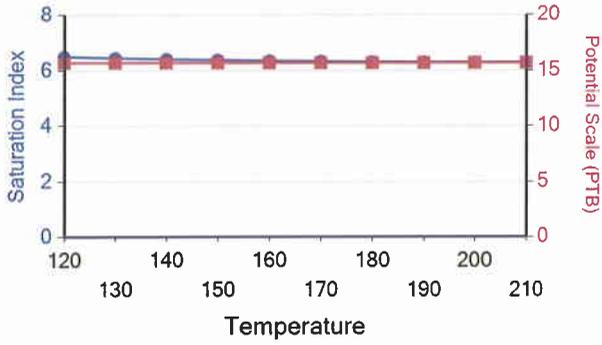
Calcium Carbonate



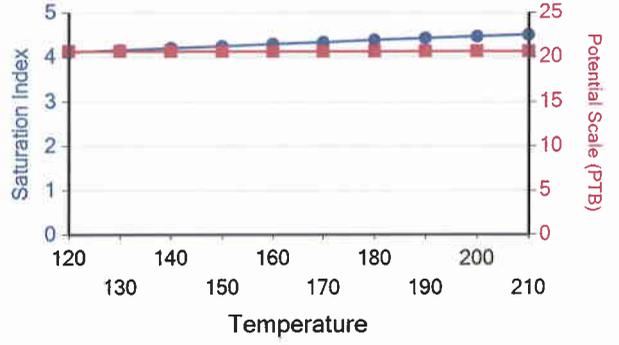
Barium Sulfate



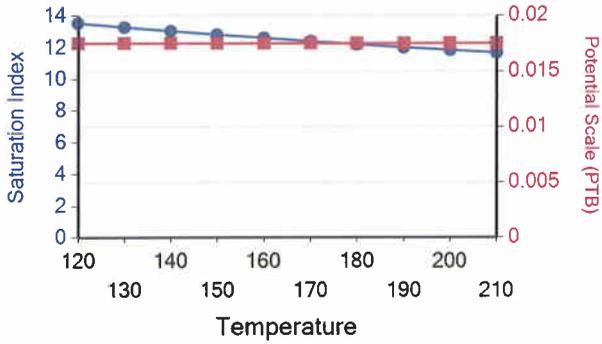
Iron Sulfide



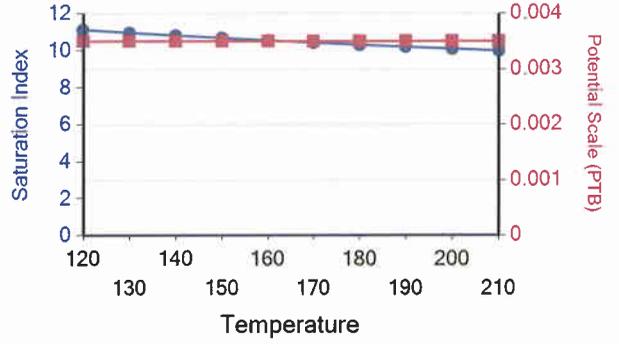
Iron Carbonate



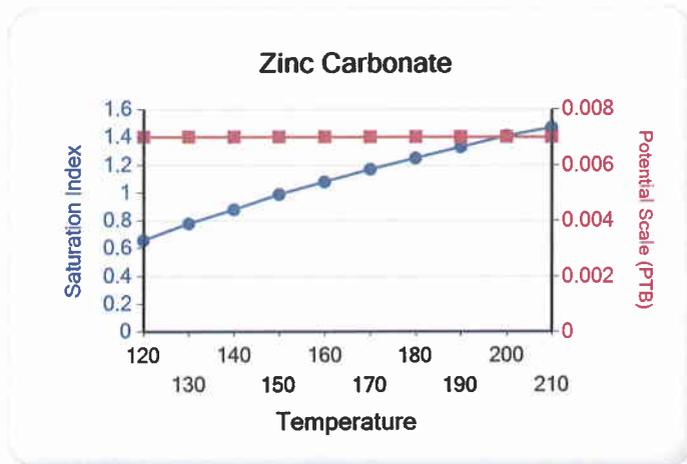
Lead Sulfide



Zinc Sulfide



Water Analysis Report



**Attachment "G"**

**Federal #9-18-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5394	5415	5405	2500	0.90	2465
5166	5182	5174	2315	0.88	2281
5052	5064	5058	2486	0.93	2453
4958	4962	4960	1955	0.83	1923
4682	4688	4685	2000	0.86	1970
4352	4358	4355	2177	0.93	2149
4212	4226	4219	1715	0.84	1688 ←
4122	4132	4127	1715	0.85	1688
				<b>Minimum</b>	<u><u>1688</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 9-18-9-16 Report Date: 9-13-07 Day: 01
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 5942'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: LODC sds, 5394-5415', 4/84

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12-Sep-07 SITP: SICP: 0

Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5942' & cement top @ 137'. Perforate stage #1, LODC sds @ 5394-5415' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120 ) w/ 4 spf for total o 84 shots. 143 bbls EWTR. SIFN.

FLUID RECOVERY (BLS)

Starting fluid load to be recovered: 143 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 143 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
Zubiate 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: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$0

TOTAL WELL COST:



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 9-18-9-16      **Report Date:** 9/19/2007      **Day:** 2a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 317'      **Prod Csg:** 5-1/2" @ 6076'      **Csg PBTD:** 5942'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>LODC sds</u>	<u>5394-5415'</u>	<u>4/84</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 9/18/2007      **SITP:** \_\_\_\_\_ **SICP:** 0

Day 2a, Stage #1 LODC sds.  
 RU BJ Services. 0 psi on well. Frac LODC sds w/ 85,173#'s of 20/40 sand in 688 bbls of Lightning 17 fluid. Broke @ 2295 psi. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi. Leave pressure on well. 831 BWTR. See day 2b.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 143      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 688      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 831      **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:** LODC sds down csg  
1806 bbls to Techni-Hib & crosslink  
6400 gals of pad  
4319 gals w/ 1-5 ppg of 20/40 sand  
8622 gals w/ 5-8 ppg of 20/40 sand  
2490 gals w/ 8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4763 gals of slick water

**\*\*Flush called @ blender to includee 2 bbl pump/line volume\*\***

**Max TP:** 2700      **Max Rate:** 24.8 bpm      **Total fluid pmpd:** 688 bbls  
**Avg TP:** 2345      **Avg Rate:** 24.8 bpm      **Total Prop pmpd:** 85,173#  
**ISIP:** 2500      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **F.G.** .90

**Completion Supervisor:** Don Dulen

### COSTS

BJ Services  
CD Trucking  
NPC fuel gas  
NPC supervision

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



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 9-18-9-16      **Report Date:** 9/19/2007      **Day:** 2a  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 317'      **Prod Csg:** 5-1/2" @ 6076'      **Csg PBTD:** 5942'WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 5330'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>A3 sds</u>	<u>5166-5182'</u>	<u>4/84</u>	_____	_____	_____
<u>LODC sds</u>	<u>5394-5415'</u>	<u>4/84</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 9/18/2007      **SITP:** \_\_\_\_\_ **SICP:** 0

Day 2B, Stage #2 A3 sds.  
 RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 16' per gun. Set plug @ 5330'. Perforate A3 sds @ 5166-82' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90 ) w/ 4 spf for tota of 84 shots. RU BJ Services. 2130 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs RU BJ Services. Frac A3 sds w/ 98,499#'s of 20/40 sand in 773 bbls of Lightning 17 fluid. Broke @ 3547 psi. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi. Open well to pit for immediate flowback @ 1bpm Well flowed for 7 hrs. & started flowing trace of oil. Recovered 400 bbls. SWIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 831      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 373      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1204      **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:** A3 sds down csg  
2604 bbls to Techni-Hib & crosslink  
7500 gals of pad  
5000 gals w/ 1-5 ppg of 20/40 sand  
10000 gals w/ 5-8 ppg of 20/40 sand  
2280 gals w/ 8 ppg of 20/40 sand  
Flush w/ 5082 gals of slick water

### COSTS

BJ Services  
CD Trucking  
NPC fuel gas  
Lone Wolf WL  
NPC supervision  
UniChem chemicals  
Monk's pit reclaim  
NPC surface equip.  
Boren Construction  
NDSI water disposal  
NPC location cleanup  
Mtn. West Sanitation

**Max TP:** 2045      **Max Rate:** 24.9 bpm      **Total fluid pmpd:** 773 bbls  
**Avg TP:** 1870      **Avg Rate:** 24.8 bpm      **Total Prop pmpd:** 98,499#  
**ISIP:** 2315      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **F.G.** .88

**Completion Supervisor:** Don Dulen

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



DAILY COMPLETION REPORT

WELL NAME: Federal 9-18-9-16 Report Date: 9/20/2007 Day: 3
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8-5/8' @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 5994'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5930' BP/Sand PBTD: 5994'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Includes rows for A3 sds and LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 9/19/2007 SITP: SICP: 450

MIRU Western #4. Bleed off well to pit. ND Cameron BOP & 5m frac head. NU 3m production head & Schafel BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe racks (tallying & drifting tbg.). Tag @ 5318'. RL powerswivel & pump. C/O to CBP @ 5330' (12' of sand). DU CBP in 18 min. Cont. RIH w/ tbg. Tag @ 5818'. C/O to 5994' & stopped making hole. Circulate well clean. Pull up to 5930'. RU swab. SFL @ surface. Made 14 runs Recovered 120 bbls. Trace of oil, no show of sand. EFL @ 900'. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1204 Starting oil rec to date:
Fluid lost/recovered today: 120 Oil lost/recovered today:
Ending fluid to be recovered: 1084 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

COSTS

Table listing various cost items such as Western #4, Weatherford BOP, NDSI water & truck, Nabors P.S., B&L tbg., NPC Trucking, NDSI Trucking, NPC Supervision, and DAILY COST: \$0.

Completion Supervisor: Don Dulen

TOTAL WELL COST:



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 9-18-9-16      **Report Date:** 9/21/2007      **Day:** 4  
**Operation:** Completion      **Rig:** Western #4

### WELL STATUS

**Surf Csg:** 8-5/8' @ 317'      **Prod Csg:** 5-1/2" @ 6076'      **Csg PBTD:** 5994'  
**Tbg:** Size: 2 7/8" Wt: 6.5#      **Grd:** J-55      **Pkr/EOT @:** 5930'      **BP/Sand PBTD:** 5994'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>A3 sds</u>	<u>5166-5182'</u>	<u>4/84</u>	_____	_____	_____
<u>LODC sds</u>	<u>5394-5415'</u>	<u>4/84</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 9/20/2007      **SITP:** 200      **SICP:** 250

Bleed off well. RIH w/ tbg. to PBTD @ 5994'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notch collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 170 jts 2 7/8" tbg. ND BOP. Set TAC @ 5359' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 12' x 15.5' RHAC pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 91- 3/4" slick rods, 99- 3/4" guided rods, 1- 6', 4' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Fill tbg. w/ 2 bbls. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. Put well on production @ 5:30 p.m. 74" stroke length, 5 spm. Put well on test.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1084      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 20      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2004      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

#### TUBING DETAIL

#### ROD DETAIL

#### COSTS

		Western #4
KB 12.00'	1 1/2" X 26' polished rod	Weatherford BOP
170 2 7/8 J-55 tbg (5347.06')	1-6', 1-4' X 3/4" pony rod	CDI rod pump
TA (2.80' @ 5359.06' KB)	99- 3/4" scraped rods	CDI TAC
2 2 7/8 J-55 tbg (6285')	91- 3/4" plain rods	CDI PSN
SN (1.10' @ 5424.71' KB)	20-3/4" scraped rods	"A" grade rod string
2 2 7/8 J-55 tbg (62.97')	6- 1 1/2" weight rods	NPC frac tks(4x7day)
2 7/8 NC (.45')	CDI 2 1/2"x 1 1/2"x 12'x 15.5'	NPC frac head
EOT 5489.13' W/ 12' KB	RHAC pump W/ SM plunger	NPC swab tk(3 days)
_____	_____	NPC Trucking
_____	_____	Polished rod pkg.
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Completion Supervisor:** Don Dulen

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



**DAILY WORKOVER REPORT**

**WELL NAME:** Federal 9-18-9-16 **Report Date:** August 22, 2008 **Day:** 1  
**Operation:** Re-completion **Rig:** Western #1

**WELL STATUS**

**Surf Csg:** 8-5/8' @ 317' **Prod Csg:** 5-1/2" @ 6076' **Csg PBTD:** 5994'  
**Tbg:** **Size:** 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 3000' **BP/Sand PBTD:** 5994'

**PERFORATION RECORD**

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>A3 sds</u>	<u>5166-5182'</u>	<u>4/84</u>			
<u>LODC sds</u>	<u>5394-5415'</u>	<u>4/84</u>			

**CHRONOLOGICAL OPERATIONS**

**Date Work Performed:** August 21, 2008 **SITP:** \_\_\_\_\_ **SICP:** \_\_\_\_\_

MIRU Western #1. RU HO trk & pump 70 BW dn annulus @ 250 F. RD pumping unit & unseat pump. Flush tbg & rods W/ 40 BW @ 250 F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 8 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH W/ rods--LD pump. No sign of scale on rods or pump. Re-flush rods W/ add'l 40 BW on TOH. RIH W/ sandline & tag PBDT @ 5994' (no new fill). ND wellhead & release TA @ 5359'. NU BOP. TOH & talley production tbg to 3000'. SIFN W/ est 158 BWTR.

**FLUID RECOVERY (BBLs)**

**Starting fluid load to be recovered:** 0 **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 158 **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 158 **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

**TUBING DETAIL**

**ROD DETAIL**

**COSTS**

<u>TUBING DETAIL</u>	<u>ROD DETAIL</u>	<u>COSTS</u>
		<u>Western #1 rig</u>
<u>KB 12.00'</u>	<u>1 1/2" X 26' polished rod</u>	<u>Weatherford BOP</u>
<u>170 2 7/8 J-55 tbg (5347.06')</u>	<u>1-6", 1-4" X 3/4" pony rod</u>	<u>Liddell trucking</u>
<u>TA (2.80' @ 5359.06' KB)</u>	<u>99- 3/4" scraped rods</u>	<u>NPC trucking</u>
<u>2 2 7/8 J-55 tbg (6285')</u>	<u>91- 3/4" plain rods</u>	<u>Sharp trucking</u>
<u>SN (1.10' @ 5424.71' KB)</u>	<u>20-3/4" scraped rods</u>	<u>Action HO trk</u>
<u>2 2 7/8 J-55 tbg (62.97')</u>	<u>6- 1 1/2" weight rods</u>	<u>NDSI wtr &amp; truck</u>
<u>2 7/8 NC (.45')</u>	<u>CDI 2 1/2"x 1 1/2"x 12'x 15.5'</u>	<u>Multi-chem chemicals</u>
<u>EOT 5489.13' W/ 12' KB</u>	<u>RHAC pump W/ SM plunger</u>	<u>Rocky Mt. T.O.C.</u>
		<u>CDI pump repair</u>
		<u>CDI TA repair</u>
		<u>Mt. West sanitation</u>
		<u>NPC supervision</u>

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

**Workover Supervisor:** Gary Dietz

**TOTAL WELL COST:** \_\_\_\_\_



DAILY WORKOVER REPORT

WELL NAME: Federal 9-18-9-16 Report Date: August 23, 2008 Day: 2
Operation: Re-completion Rig: Western #1

WELL STATUS

Surf Csg: 8-5/8" @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 5994'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBTD: 5117'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Contains data for A .5 sds, A3 sds, and LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: August 22, 2008 SITP: 0 SICP: 0

RU HO trk & flush tbg W/ 60 BW @ 250 F. Con't TOH & talley production tbg--LD BHA. RU Perforators LLC & run Weatherford 5 1/2" 10K solid composite bridge plug. Set plug @ 5117'. ND BOP & remove production tbg head. Install 5M frac head & NU Cameron BOP. Fill hole W/ 110 bbls 2% KCL wtr. RU HO trk & pressure test plug, frac head, blind rams & casing valves to 4500 psi. RIH W/ 12' X 3 1/8" slick perf gun. Perf A .5 sds @ 5052-64' W/ 4 JSPF. RU HO trk & breakdown perfs @ 2500 psi. Pump 5 BW into perfs @ .75 BPM @ 1800 psi. SIFN W/ est 333 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 158 Starting oil rec to date:
Fluid lost/recovered today: 175 Oil lost/recovered today:
Ending fluid to be recovered: 333 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

TUBING DETAIL

ROD DETAIL

COSTS

Table with 3 columns: Tubing Detail, Rod Detail, Costs. Lists items like Western #1 rig, Weatherford BOP, CD wtr & trucking, Action HO trk, Perforators LLC, Weatherford plug, NPC supervision.

DAILY COST: \$0

TOTAL WELL COST: \$0

Workover Supervisor: Gary Dietz





DAILY WORKOVER REPORT

WELL NAME: Federal 9-18-9-16 Report Date: August 26, 2008 Day: 3b
Operation: Re-completion Rig: Western #1

WELL STATUS

Surf Csg: 8-5/8' @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 5994'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBTD: 4995'
Plug 5117'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include B2 sds, A .5 sds, A3 sds, LODC sds, and B2 sds with corresponding depth ranges and shot counts.

CHRONOLOGICAL OPERATIONS

Date Work Performed: August 25, 2008 SITP: 0 SICP: 1973

Day3b.

RU Perforators LLC. WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford (6K) composite flow through frac plug & 6', 4' perf guns. Set plug 4995'. Perforate B2 sds @ 4936-42', 4958-62' w/ 3-1/8" Slick Guns (19 gram, .49"HE, 120 ) w/ 4 spf for total of 40 shots. RU BJ & frac stage #2 w/ 29,943#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Open well w/ 1973 psi on casing. Perfs broke down @ 3915 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1955. 1382 bbls EWTR. Leave pressure on well. See day3c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 792 Starting oil rec to date:
Fluid lost/recovered today: 390 Oil lost/recovered today:
Ending fluid to be recovered: 1382 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
Procedure or Equipment detail: B2 sds down casing
1486 gals w/ Techna Hib & to cross link
3099 gals of pad
2400 gals w/ 1-4 ppg of 20/40 sand
4477 gals w/ 4-6 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4435 gals of slick water

Weatherford Services
CD wtr & trucking
NPC fuel gas
BJ Services B2 sds
Perforators B2 sds

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

Max TP: 2363 Max Rate: 23.2 Total fluid pmpd: 390 bbls
Avg TP: 1986 Avg Rate: 23 bpm Total Prop pmpd: 39,943#'s
ISIP: 1955 5 min: 10 min: FG: .83

Completion Supervisor: Ron Shuck

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



## DAILY WORKOVER REPORT

**WELL NAME:** Federal 9-18-9-16      **Report Date:** August 26, 2008      **Day:** 3c  
**Operation:** Re-completion      **Rig:** Western #1

### WELL STATUS

**Surf Csg:** 8-5/8' @ 317'      **Prod Csg:** 5-1/2" @ 6076'      **Csg PBTD:** 5994'  
**Tbg:** **Size:** 2 7/8"      **Wt:** 6.5#      **Grd:** J-55      **Pkr/EOT @:** 0      **BP/Sand PBTD:** 4790'  
Plug 5117' 4995'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			B2 sds	4936-4942'	4/24
			A .5 sds	5052-5064'	4/48
			A3 sds	5166-5182'	4/84
			LODC sds	5394-5415'	4/84
D1 sds	4682-4688'	4/24			
B2 sds	4958-4962'	4/16			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** August 25, 2008      **SITP:** 0      **SICP:** 1560

Day3c.

RU WLT. RIH w/ frac plug & 6' perf gun. Set plug 4790'. Perforate D1 sds @ 4682-88' w/ 4 spf for total of 24 shots. RU BJ & frac stage #3 w/ 24,780#'s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Open well w/ 1560 psi on casing. Perfs broke down @ 2256 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2000. 1726 bbls EWTR. Leave pressure on well. **See day3c.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1382      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 344      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1726      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_      **FFL:** \_\_\_\_\_      **FTP:** \_\_\_\_\_      **Choke:** \_\_\_\_\_      **Final Fluid Rate:** \_\_\_\_\_      **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

### COSTS

<b>Base Fluid used:</b> <u>Lightning 17</u> <b>Job Type:</b> <u>Sand Frac</u> <b>Company:</b> <u>BJ Services</u>	Weatherford Services _____ CD wtr & trucking _____ NPC fuel gas _____ BJ Services D1 sds _____ Perforators D1 sds _____ _____ _____ _____ _____ _____
<b>Procedure or Equipment detail:</b> D1 sds down casing <u>1432 gals w/ Techna Hib &amp; to cross link</u> <u>2599 gals of pad</u> <u>2000 gals w/ 1-4 ppg of 20/40 sand</u> <u>3780 gals w/ 4-6 ppg of 20/40 sand</u> <u>504 gals of 15% HCL acid</u> <u>Flush w/ 4170 gals of slick water</u>	

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

**Max TP:** 2223      **Max Rate:** 23.2      **Total fluid pmpd:** 344 bbls  
**Avg TP:** 1984      **Avg Rate:** 23 bpm      **Total Prop pmpd:** 24,780#'s  
**ISIP:** 2000      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .86

**Completion Supervisor:** Ron Shuck

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







130816

DAILY WORKOVER REPORT

WELL NAME: Federal 9-18-9-16

Report Date: August 26, 2008

Day: 3f

Operation: Re-completion

Rig: Western #1

WELL STATUS

Surf Csg: 8-5/8' @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 5994'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 0 BP/Sand PBTD: 4155'
Plug 5117' 4995' 4790' 4480' 4290'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, GB6 sds, PB8 sds, D1 sds, B2 sds, B2 sds, A .5 sds, A3 sds, and LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: August 25, 2008

SITP: 0 SICP: 1384

Day3f.

RU WLT. RIH w/ frac plug & 10' perf gun. Set plug 4155'. Perforate GB4 sds @ 4122-32' w/ 4 spf for total of 40 shots. RU BJ & frac stage #6 w/ 22,270#'s of 20/40 sand in 327 bbls of Lightning 17 frac fluid. Open well w/ 1384 psi on casing. Perfs broke down @ 2783 psi. Pump 30 gals of Techna Hib chemical. Treated @ ave pressure of 1942 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1749. 2833 bbls EWTR. RD WLT & BJ. Flow well back. Well flowed for 3 hours & died w/ 400 bbls rec'd (3500#'s of sand). SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2833 Starting oil rec to date:
Fluid lost/recovered today: 400 Oil lost/recovered today:
Ending fluid to be recovered: 2433 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand Frac

Company: BJ Services

Procedure or Equipment detail: GB6 sds down casing

1810 gals w/ Techna Hib & to cross link

2599 gals of pad

2000 gals w/ 1-4 ppg of 20/40 sand

3322 gals w/ 4-6 ppg of 20/40 sand

Flush w/ 4036 gals of slick water

COSTS

Western rig

Weatherford Services

CD wtr & trucking

NPC fuel gas

BJ Services GB6 sds

Perforators GB6 sds

CD trkg water transfer

Max TP: 2182 Max Rate: 23.2 Total fluid pmpd: 327 bbls

Avg TP: 1942 Avg Rate: 23 bpm Total Prop pmpd: 22,270#'s

ISIP: 1749 5 min: 10 min: FG: .86

Completion Supervisor: Ron Shuck

DAILY COST: \$0

TOTAL WELL COST:



14 of 16

DAILY WORKOVER REPORT

WELL NAME: Federal 9-18-9-16

Report Date: August 27, 2008

Day: 4

Operation: Re-completion

Rig: Western #1

WELL STATUS

Surf Csg: 8-5/8' @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 5994'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5028' BP/Sand PBTD: 5117'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, GB6 sds, PB8 sds, D1 sds, B2 sds, B2 sds, A .5 sds, A3 sds, LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: August 26, 2008

SITP: 0 SICP: 300

Open well w/ 300 psi on casing. RD Cameron BOP's & frac head. RU production tbg head & Schaffer BOP's. RU 4-3/4" Chomp mill & x-over sub. TIH w/ tbg to tag plug @ 4155'. RU swivel, pump & tanks. Drlg out plug #1. TIH w/ tbg to tag fill @ 4241'. C/O to plug @ 4290'. Drlg out plug #2. TIH w/ tbg to tag fill @ 4367'. C/O to plug @ 4480'. Drlg out plug #3. TIH w/ tbg to tag plug @ 4790'. Drlg out plug #4. TIH w/ tbg to tag plug @ 4995'. Drlg out plug #5. TIH w/ tbg to tag fill @ 5070'. LD 2 jts tbg, EOT @ 5028'. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2433 Starting oil rec to date:
Fluid lost/recovered today: 100 Oil lost/recovered today:
Ending fluid to be recovered: 2333 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 rig
Weatherford BOP's
NPC location clean up
Sharp trucking
4 Star power swivel
RNI water disposal
NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$0

TOTAL WELL COST:



DAILY WORKOVER REPORT

WELL NAME: Federal 9-18-9-16 Report Date: August 28, 2008 Day: 5  
Operation: Re-completion Rig: Western #1

WELL STATUS

Surf Csg: 8-5/8' @ 317' Prod Csg: 5-1/2" @ 6076' Csg PBTD: 6037'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 3990' BP/Sand PBTD: 5967'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4122-4132'	4/40	B2 sds	4936-4942'	4/24
GB6 sds	4212-4226'	4/56	A .5 sds	5052-5064'	4/48
PB8 sds	4352-4358'	4/24	A3 sds	5166-5182'	4/84
PB8 sds	4378-4384'	4/24	LODC sds	5394-5415'	4/84
D1 sds	4682-4688'	4/24			
B2 sds	4958-4962'	4/16			

CHRONOLOGICAL OPERATIONS

Date Work Performed: August 27, 2008 SITP: 0 SICP: 0

Open well w/ 0 psi on casing. TIH w/ tbg to tag fill @ 5070'. C/O to plug @ 5117'. Drlg out solid plug. Well went on vacuum. Took 270 bbls to get circulation. TIH w/ tbg to tag fill @ 5937'. Cleaned ot 30' of sand & lost 150 bbls water. LD 2 jts tbg. Left sand top @ 5967'. RU swab equipment. Made 13 runs to rec'd 146 bbls of fluid w/ FFL @ 2300'. Last run showed no oil w/ no sand. RD swab. TIH w/ tbg to tag no new sand. Circulate well (took 170 bbls to get circulation). TOOH w/ tbg. 48 jts out w/ EOT @ 3990'. SIFN.

FLUID RECOVERY (BLS)

Starting fluid load to be recovered: 2433 Starting oil rec to date: \_\_\_\_\_  
Fluid lost/recovered today: 233 Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: 2200 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 rig \_\_\_\_\_  
Weatherford BOP's \_\_\_\_\_  
4 Star power swivel \_\_\_\_\_  
CD tkg water \_\_\_\_\_  
NPC Supervisor \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Completion Supervisor: Ron Shuck

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



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4072'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 179' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 40 sx Class "G" cement down 5 ½" casing to 358'.

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

FED. 9-18-9-16

Spud Date: 7/31/08  
 Put on Production: 9/23/08  
 GL: 5306' KB: 5318'

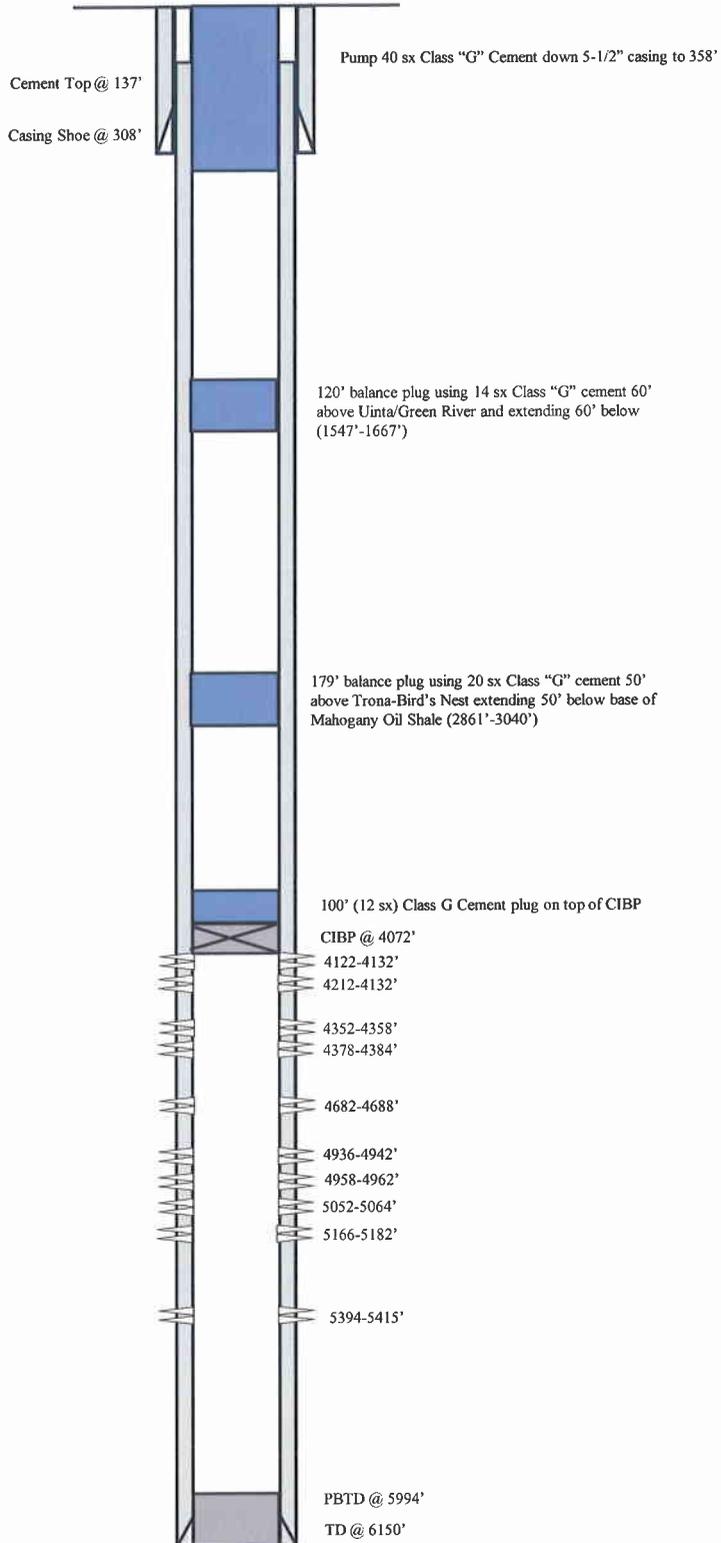
Proposed P & A  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (296.14')  
 DEPTH LANDED: 307.99'  
 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: 153 jts (6222.42')  
 DEPTH LANDED: 6076.98'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx Premlite II and 450 sx 50/50 poz  
 CEMENT TOP : 137'



 <p><b>NEWFIELD</b></p>
<p><b>FED. 9-18-9-16</b></p> <p>2054' FSL &amp; 470' FEL</p> <p>NE/SE Section 18-T9S-R16E</p> <p>Duchesne Co, Utah</p> <p>API #43-013-32920; Lease # UTU-64379</p>



MAILING REQUEST FORM

NEWFIELD



DATE:

8/9/12

Sender:

Kathryn Portus

TO:

Company/name: Stanley Womack

Attn:

Address :

Please specify your shipping needs below. We will determine the appropriate shipping method based on your request.

International:

Y N

Delivered by:

M T W TH F No Preference

AM PM

Please note that AM deliveries are charged a premium rate

Special Shipment Needs

- Include Stamped Return Envelope
Tracking - Applies to UPS and FED EX
Express mail
Certified - Applies to USPS Regular Mail Only
Return Receipt - Applies to USPS Regular Mail Only
Signature Request Only - Applies to USPS, UPS and FED EX

Additional Special Instructions:

Please note we cannot send UPS shipments to a P.O Box address

RECEIVED
AUG 13 2012
DIV. OF OIL, GAS & MINING

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



Invoice Number	35456	Invoice Date	9/6/2012
Advertiser No.	2080	Invoice Amount	\$106.65
		Due Date	10/6/2012

RECEIVED  
 SEP 17 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. 35456	9/6/2012	
Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
9/6/2012	17561 UBS	UBS Legal Notice: Notice of Agency Action: UIC 398 Pub. Sept. 4, 2012				\$106.65
				Sub Total:		\$106.65
				Total Transactions: 1		Total: \$106.65

SUMMARY Advertiser No. 2080 Invoice No. 35456

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!

2250/REB/GG-VIC ADMIN/GF13/6131



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-398

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, 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:

Walton Federal 1 well located in SE/4 SE/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15792

State 3-16-9-16 well located in NE/4 NW/4, Section 16, Township 9 South, Range 16 East  
API 43-013-33847

Federal 9-18-9-16 well located in NE/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-32920

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 23rd day of August, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**WALTON FEDERAL 1, STATE 3-16-9-16, FEDERAL 9-18-9-16**

**Cause No. UIC-398**

Publication Notices were sent to the following:

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

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

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

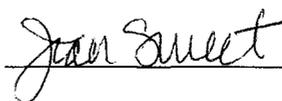
Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

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

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_

**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-398**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 8/30/2012 10:23 AM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-398

---

On 8/29/2012 1:27 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)

This will run Sep. 4.  
Thank you  
Cindy



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

August 29, 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-398

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

**From:** "Stowe, Ken" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 8/29/2012 2:42 PM  
**Subject:** Proof for Notice of Agency Action  
**Attachments:** OrderConf.pdf

AD# 819456  
Run SL Trib & Des News 8/31/12  
Cost \$213.32  
Thank You

**Order Confirmation for Ad #0000819456-01**

<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	kstowe

<b>Total Amount</b>	<b>\$213.32</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$213.32</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Cause UIC-398/Newfie	

**Confirmation Notes:**  
**Text:** Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 62 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>	8/31/2012	
<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>	8/31/2012	
<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>	8/31/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	8/31/2012	

**Ad Content Proof Actual Size**

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-398

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE 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 Unit:**  
Walter Federal 1 well located in SE/4 SE/4, Section 11, Township 9 South, Range 16 East  
API 43-013-15792  
State 3-16-9-16 well located in NE/4 NW/4, Section 16, Township 9 South, Range 16 East  
API 43-013-33847  
Federal 9-18-9-16 well located in NE/4 SE/4, Section 18, Township 9 South, Range 16 East  
API 43-013-32920

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 injector 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. Protestors and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of August, 2012.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager  
819456

UPAXLP



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 29, 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-398

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



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

September 21, 2012

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

Subject: Greater Monument Butte Unit: Federal 9-18-9-16, Section 18, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32920

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 3,992 feet in the Federal 9-18-9-16 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 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

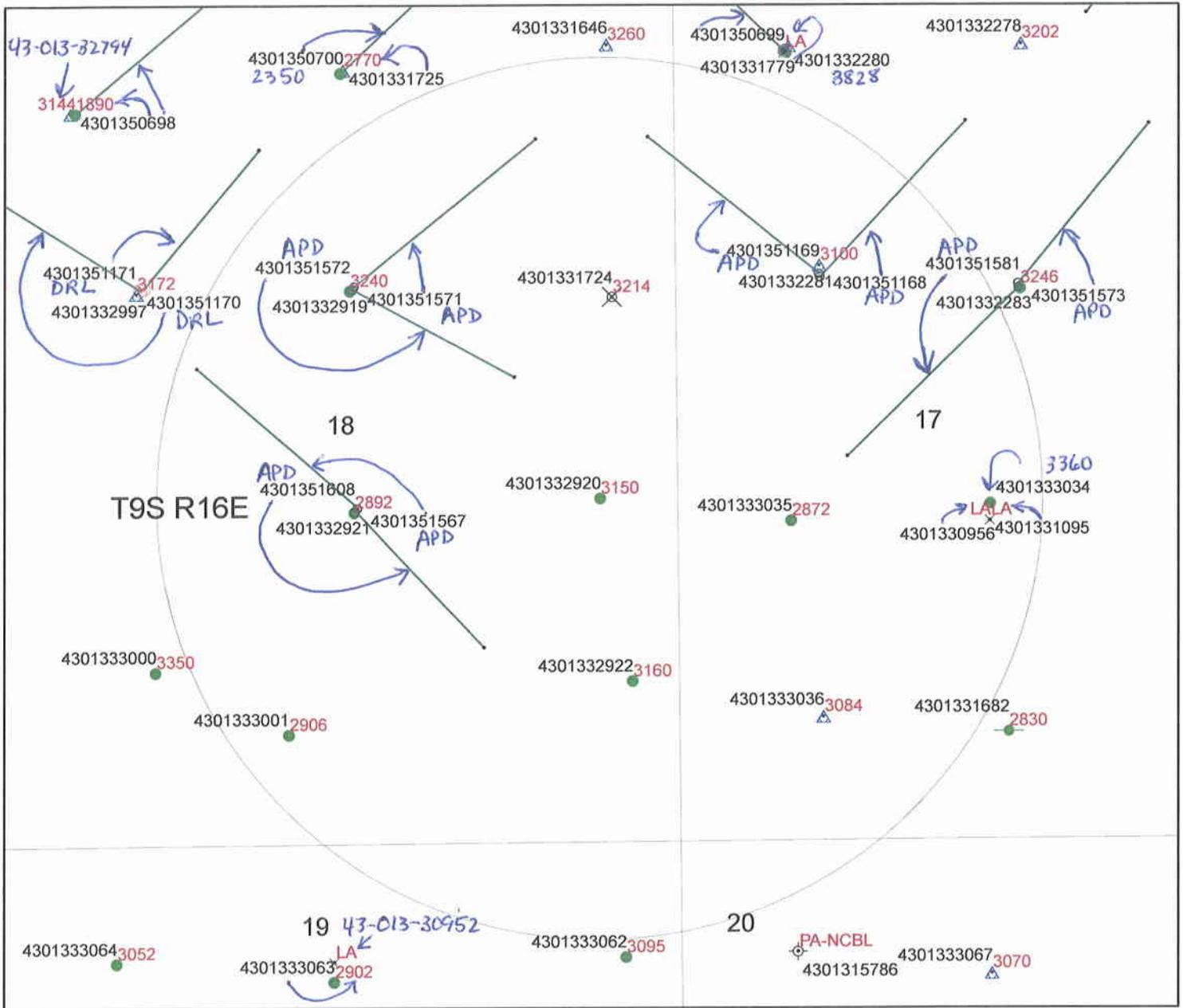
John Rogers  
Associate Director

JR/MLR/ear

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\Newfield\Greater Monument Butte Unit





Cement Bond Tops  
 FEDERAL 9-18-9-16  
 API #43-013-32920  
 UIC 398.2

### Legend

- |  |   |
|--|---|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_167 | PGW                                     |
| SGID93_ENERGY_DNROilGasWells               | POW                                     |
| <b>SGID93.ENERGY.DNROilGasWells</b>        | RET                                     |
| <b>GIS_STAT_TYPE</b>                       | SGW                                     |
| APD  | SOW                                     |
| DRL  | TA                                      |
| GIW  | TW                                      |
| GSW  | WDW                                     |
| LA   | WIW                                     |
| LOC  | WSW                                     |
| OPS  | SGID93 BOUNDARIES Counties              |
| PA   | • SGID93.ENERGY.DNROilGasWells_HDBottom |
|  | — SGID93_ENERGY.DNROilGasWells_HDPath   |
|  | • Wells-CbltopsMaster08_31_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 9-18-9-16

**Location:** 18/9S/16E      **API:** 43-013-32920

**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 308 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,077 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,150 feet. A 2 7/8 inch tubing with a packer will be set at 4,072 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 7 producing wells, 2 injection wells, and 1 temporarily abandoned well in the AOR. In addition, there is 1 approved surface location outside the AOR, from which a directional well will be drilled to a bottom hole location inside the AOR and 1 approved surface location inside the AOR from which a directional well will be drilled to a bottom hole location outside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2200 feet. Injection shall be limited to the interval between 3,992 feet and 5,994 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 9-18-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,688 psig. The requested maximum pressure is 1,688 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 9-18-9-16**

**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: 9/14/2012

4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIA One

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	8/31/2012

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000819456 /		
SCHEDULE			
Start 08/31/2012	End 08/31/2012		
CUST. REF. NO.			
Cause UIC-398/Newfield			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATL			
SIZE			
62	Lines	2.00	COLUMN
TIMES	RATE		
4			
MISC. CHARGES	AD CHARGES		
TOTAL COST			
213.32			

**BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-398**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Dated this 23rd day of August, 2012.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
819456

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-398 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 08/31/2012 End 08/31/2012

SIGNATURE

*[Handwritten Signature]*

8/31/2012

**VIRGINIA CRAFT**  
Notary Public, State of Utah  
Commission # 591469  
My Commission Expires  
January 12, 2014

*[Handwritten Signature: Virginia Craft]*

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

20120831 16:00:00 UIC-398 / 10/12/12

<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-64379
<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 9-18-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 4301332920000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2054 FSL 0470 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 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

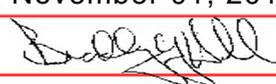
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> 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: 10/25/2012			
<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 10/24/2012. On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

**Date:** November 01, 2012

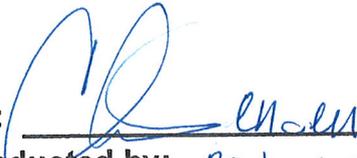
**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/1/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

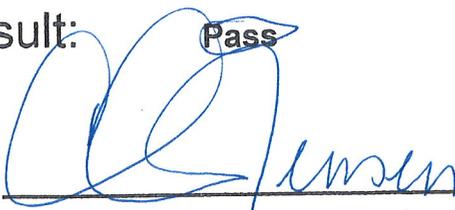
Witness:  Date 10/25/12 Time 9:45  am  pm  
Test Conducted by: Brendan Curry  
Others Present: \_\_\_\_\_

Well: <u>9-18-9-16</u>	Field: <u>Greater Monument Butte</u>
Well Location: <u>Federal 9-18-9-16</u>	API No: <u>43-013-32920</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1440</u>	psig
5	<u>1440</u>	psig
10	<u>1440</u>	psig
15	<u>1440</u>	psig
20	<u>1440</u>	psig
25	<u>1440</u>	psig
30 min	<u>1440</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 450 psig

Result: Pass Fail

Signature of Witness:   
Signature of Person Conducting Test: Brendan Curry



## Daily Activity Report

Format For Sundry

FEDERAL 9-18-9-16

8/1/2012 To 12/30/2012

10/22/2012 Day: 1

Conversion

NC #1 on 10/22/2012 - MIRU NC#1,H/O Csg,US pmp,Flush Tbg S/P,pmp 35 BW D/Tbg No Tst,HIT,POOH L/D Rod Strng & pmp. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. - 12:30PM MIRU NC#1, R/D Unit, BMW H/Oiler pmp 60 BW D/Csg, Unseat pmp, Flush Tbg W/-40 BW, Seat pmp, pmp 35 BW D/Tbg, HIT. Unseat pmp, POOH L/D 1 1/2X26' Polish Rod, 99- 3/4 4 Per, 61- 3/4 Slick, 50- 3/4 4 Per, 6- 1/1/2 Wt Bars, 1-1''X4' 3 Per Stblzr, RHAC pmp, Flushed Tbg W/-20 BW On TOO H Due To Oil. SWI, 6:30PM C/SDFN, 6:30PM - 7:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$5,223

10/23/2012 Day: 2

Conversion

NC #1 on 10/23/2012 - n/u bop,Rel t/a,pooH w/tbg prod redpe tool jts,l/d excess tbg.Rih w/pkr & injctn prod strng,pmp pad D/tbg,drp sv,fill tbg,p/tst tbg to 3000 psi,good tst.swi,c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOO H Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2'' Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOO H Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2'' Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOO H Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2'' Arrow #1 Pkr, 4

3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOOH Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Tbg Eq, N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-129 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 41 Jts Tbg, T/A, 2 Jts Tbg, S/N, 2 Jts Tbg, N/C On Float, Flushed Tbg W/-20 BW On TOOH Due To Oil. Found Hole In Jt # 171.. P/U & RIH W/-2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X4.10 Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 On Off Tool, 2 7/8 S/N, 129 Jts Tbg, pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-20 BW, P/Test Tbg To 3,000 Psi, Good Test. R/U S/Line Ovrshot RIH & Fish SV. SWI, 5:30PM C/SDFN, 5:30PM - 6:00PM C/Trvl.

**Daily Cost:** \$0

**Cumulative Cost:** \$19,859

### 10/24/2012 Day: 3

### Conversion

NC #1 on 10/24/2012 - n/d bop,n/u w/hd,pmp pkr fluid,n/d w/hd,set pkr,n/u w/hd,fill csg,p/tst csg to 1500 psi,good tst,r/d Rig,Ready For MIT(Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/D R/Flr, N/D BOP, N/U W/-HD, BMW H/Oiler pmp 70 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg & Pkr To 1,500 Psi, Good Test, R/D Rig, Move Rig To 13-21-9-16, 5:00PM- C/SDFN, 5:00PM-5:30PM C/Trvl. Ready For MIT ( Final Rig Report ).

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$30,794

### 10/26/2012 Day: 4

### Conversion

Rigless on 10/26/2012 - Conduct initial MIT - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above

listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. - On 10/24/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/25/2012 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$115,928

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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		FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-64379
<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>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 9-18-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013329200000
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 2054 FSL 0470 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 09.0S Range: 16.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input 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" value="Put on Injection"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/4/2012			
<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 above reference well was put on injection at 8:00 AM on  
12/04/2012.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 December 06, 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> 12/5/2012	

# FEDERAL 9-18-9-16

Spud Date: 7/31/08  
 Put on Production: 9/23/08  
 GL: 5306' KB: 5318'

## Injection Wellbore Diagram

### SURFACE CASING

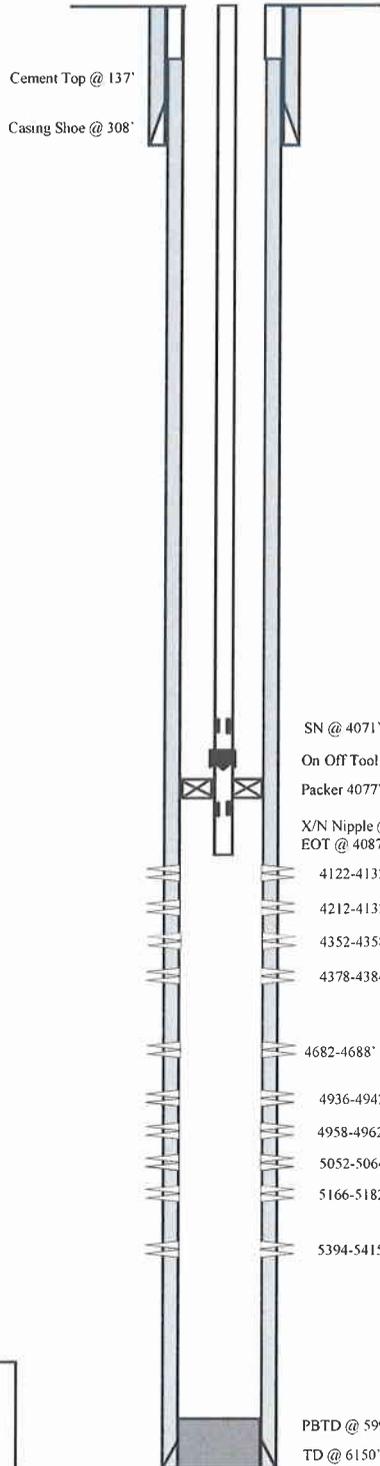
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (296.14')  
 DEPTH LANDED: 307.99'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class 'G' cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 153 jts (6222.42')  
 DEPTH LANDED: 6076.98'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sx Premilite II and 450 sx 50/50 poz  
 CEMENT TOP: 137'

### TUBING

SIZE/GRADE/WT: 2 7/8 / 6.5# / J-55  
 NO. OF JOINTS: 129 jts (4058.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4070.8'  
 ON/OFF TOOL AT: 4071.9'  
 ARROW #1 PACKER CE AT: 4076.65'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4080.3'  
 TBG PUP 2-3/8 J-55 AT: 4080.8'  
 X/N NIPPLE AT: 4084.9'  
 TOTAL STRING LENGTH: EOT @ 4087'



### FRAC JOB

9/18/07 5394-5415' **Frac LODC sds as follows:** 85,173#s of 20/40 sand in 688 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2345 psi w/ ave rate of 24.8 BPM. ISIP 2500 psi

9/18/07 5166-5182' **Frac A3 sds as follows:** 98,499#s of 20/40 sand in 773 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1870 psi w/ ave rate of 24.8 BPM. ISIP 2315 psi.

05/28/08 **Pump change:** Updated rod and tubing details

8/25/08 5052-5064' **RU BJ & frac A.5 sds as follows:** 49,743#s of 20/40 sand in 459 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2143 w/ ave rate of 22.9 bpm w/ 8 ppg of sand. ISIP was 2486.

8/25/08 4958-4962' **RU BJ & frac stage #2 as follows:** 29,943#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1986 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 1955

8/25/08 4682-4688' **RU BJ & frac stage #3 as follows:** 24,780#s of 20/40 sand in 344 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1984 w/ ave rate of 23 bpm w/ 6 ppg of sand. ISIP was 2000.

8/25/08 4352-4358' **RU BJ & frac stage #4 as follows:** 40,471#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2224 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2177

8/25/08 4212-4226' **RU BJ & frac stage #5 as follows:** 40,033#s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1715

8/25/08 4122-4132' **RU BJ & frac stage #5 as follows:** 40,033#s of 20/40 sand in 391 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1474 w/ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 1715

6/12/09 **Tubing Leak.** Updated rod & tubing details.

11/18/2010 **Pump Change.** Update rod and tubing details

11/29/2011 **Pump Change.** Updated rod & tubing detail

2/17/12 **Pump Change:** updated rod & tubing detail

10/24/12 **Convert to Injection Well**

10/25/12 **Conversion MIT Finalized** - update tbg detail

### PERFORATION RECORD

Date	Depth	Number of Holes	ISIP
8/25/08	4122-4132'	4 JSPF	40 holes
8/25/08	4212-4226'	4 JSPF	56 holes
8/25/08	4352-4358'	4 JSPF	24 holes
8/25/08	4378-4384'	4 JSPF	24 holes
8/25/08	4682-4688'	4 JSPF	24 holes
8/25/08	4958-4962'	4 JSPF	16 holes
8/25/08	4936-4942'	4 JSPF	24 holes
8/22/08	5052-5064'	4 JSPF	48 holes
9/18/07	5166-5182'	4 JSPF	84 holes
9/18/07	5394-5415'	4 JSPF	84 holes

**NEWFIELD**

**FEDERAL 9-18-9-16**

2054' FSL & 470' FEL  
 NE/SE Section 18-T9S-R16E  
 Duchesne Co. Utah  
 API #43-013-32920; Lease # UTU-64379



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-398**

**Operator:** Newfield Production Company

**Well:** Federal 9-18-9-16

**Location:** Section 18, Township 9 South, Range 16 East

**County:** Duchesne

**API No.:** 43-013-32920

**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 21, 2012.
2. Maximum Allowable Injection Pressure: 1,688 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,992' – 5,994')
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

11/29/2012  
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\Newfield

