

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-52018

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 8-20-9-16

9. API Well No.  
43013-33107

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 SE/NE 2133' FNL 746' FEL 57375 to X 40. 017718  
At proposed prod. zone 4429871 Y -110. 135742

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/NE Sec. 20, T9S R16E

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 14.7 miles southwest of Myton, Utah

12. County or Parish  
Duchesne

13. State  
UT

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 507' f/lse, NA' f/unit  
640.00

16. No. of Acres in lease  
640.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1250'  
5950'

19. Proposed Depth  
5950'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6055' GL

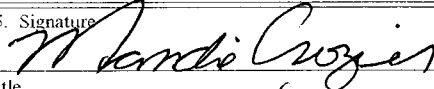
22. Approximate date work will start\*  
2nd Quarter 2006

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

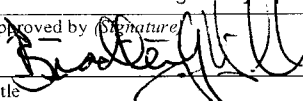
24. Attachments

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 3/21/06

Title Regulatory Specialist

Approved by  Name (Printed/Typed) BRADLEY G. HILL Date 03-27-06

Title ENVIRONMENTAL MANAGER

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

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

\*(Instructions on reverse)

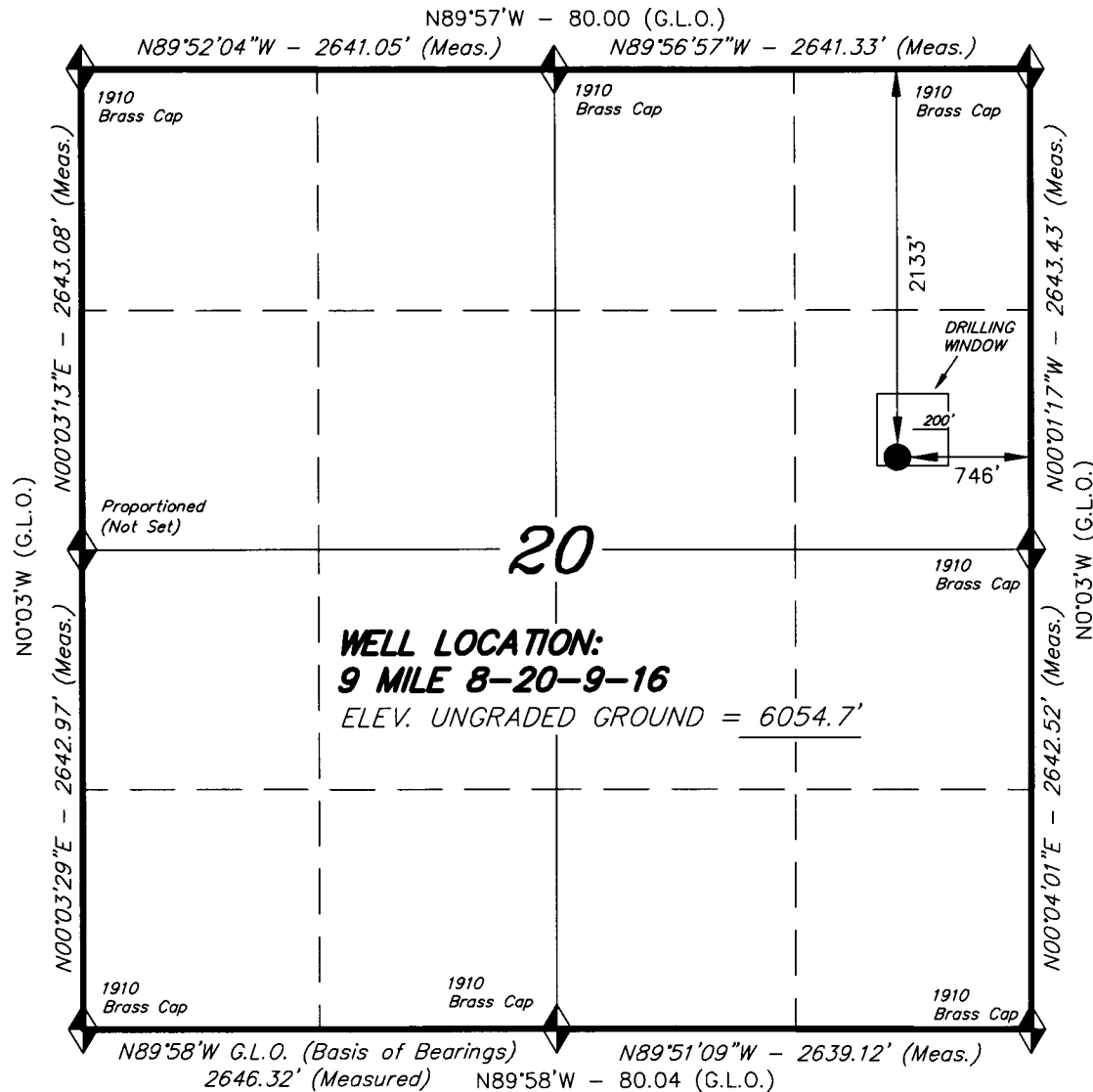
Federal Approval of this  
Action is Necessary

MAR 23 2006

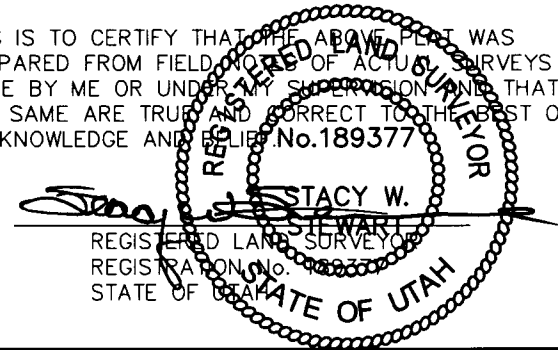
# T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 8-20-9-16,  
LOCATED AS SHOWN IN THE SE 1/4 NE  
1/4 OF SECTION 20, 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)

**9 MILE 8-20-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 03.95"  
LONGITUDE = 110° 08' 11.16"

<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b> 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 03-09-06	SURVEYED BY: C.M.
DATE DRAWN: 03-14-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



March 21, 2006

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

RE: Applications for Permit to Drill: Federal 7-20-9-16, 8-20-9-16, 10-20-9-16,  
16-20-9-16, and 10-21-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed Federal 16-20-9-16  
location is an Exception Location. Our Land Department will send you the required  
Exception Location Letter. If you have any questions, feel free to give either Shon  
Mckinnon or myself a call.

Sincerely

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

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

MAR 23 2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY  
FEDERAL #8-20-9-16  
SE/NE SECTION 20, 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' – 2355'
Green River	2355'
Wasatch	5950'

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

Green River Formation 2355' – 5950' - 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 #8-20-9-16  
SE/NE SECTION 20, 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 #8-20-9-16 located in the SE 1/4 NE 1/4 Section 20, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles  $\pm$  to its junction with an existing road to the southeast; proceed southeasterly - 2.0 miles  $\pm$  to its junction with an existing road to the northeast; proceed northeasterly - 0.2 miles  $\pm$  to its junction with the beginning of the proposed access road to the southeast; proceed southeasterly along the proposed access road - 2,140'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

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

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

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

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

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #8-20-9-16 Newfield Production Company requests 2140' of disturbed area be granted in Lease UTU-52018 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 a 24" culvert required along the road entering the proposed location. 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 2140' of disturbed area be granted in Lease UTU-52018 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 buried 6" gas gathering line, and a buried 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.

**Water Disposal**

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

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

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

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

**Burrowing Owl:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

**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
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #8-20-9-16 was on-sited on 1/25/06. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), Chris Carusona (Bureau of Land Management), Todd MaGrath (Bureau of Land Management), Brandon McDonald (Bureau of Landmanagement), and a SWCA Representative. Weather conditions were clear and ground cover was 50% 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

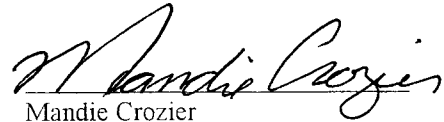
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-20-9-16 SE/NE Section 20, Township 9S, Range 16E: Lease UTU-52018 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.

3/21/06

Date

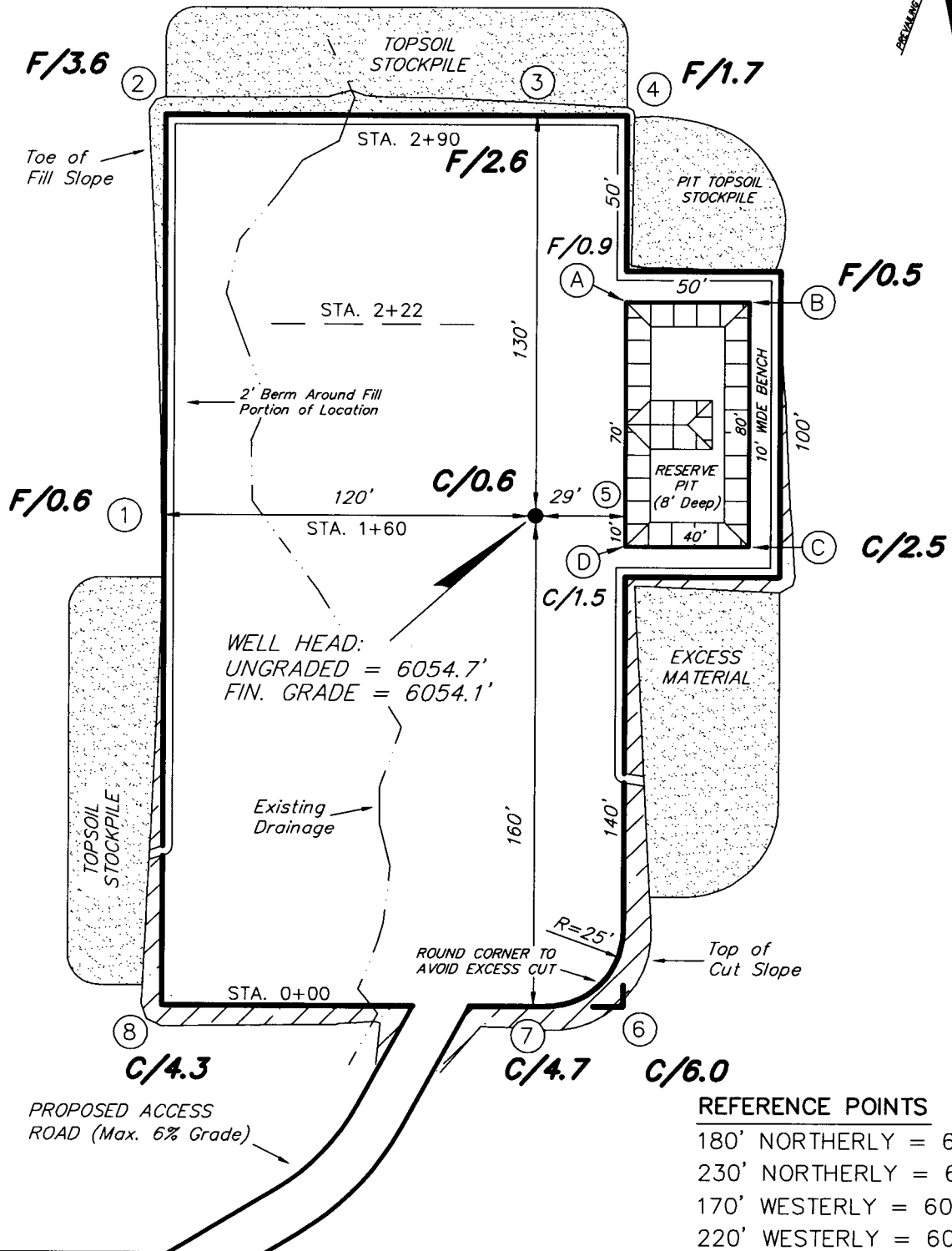


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

9 MILE 8-20-9-16

Section 20, T9S, R16E, S.L.B.&M.



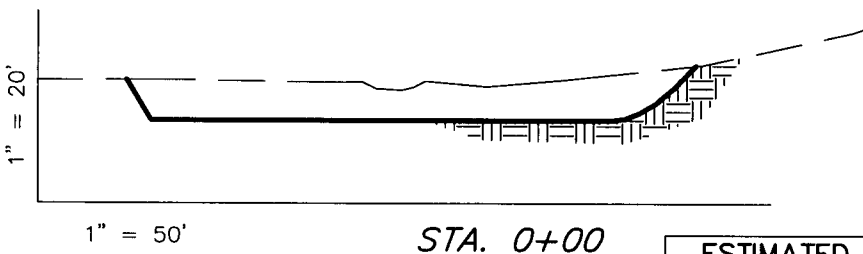
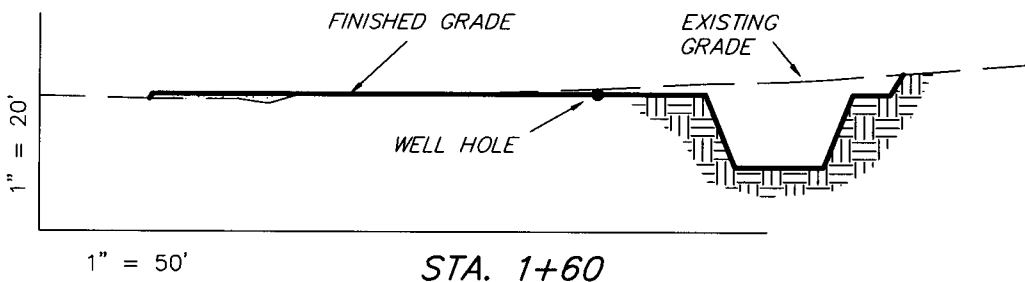
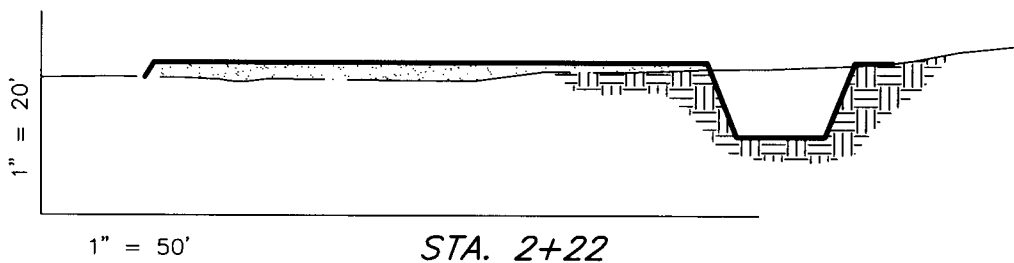
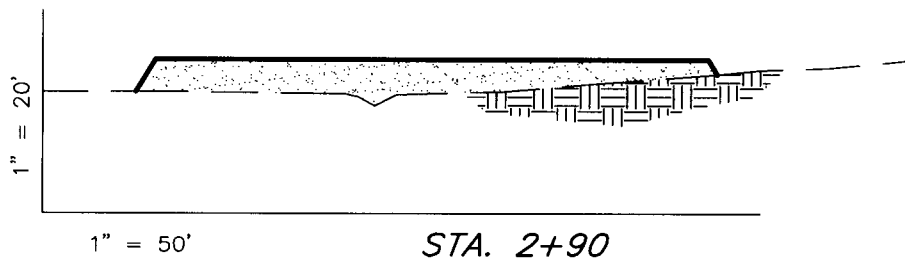
SURVEYED BY: C.M.	SCALE: 1" = 50'	 Tri State Land Surveying, Inc.	(435) 781-2501 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
DRAWN BY: F.T.M.	DATE: 03-14-06		



# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### 9 MILE 8-20-9-16



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,750	1,750	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,390	1,750	970	640

SURVEYED BY: C.M.

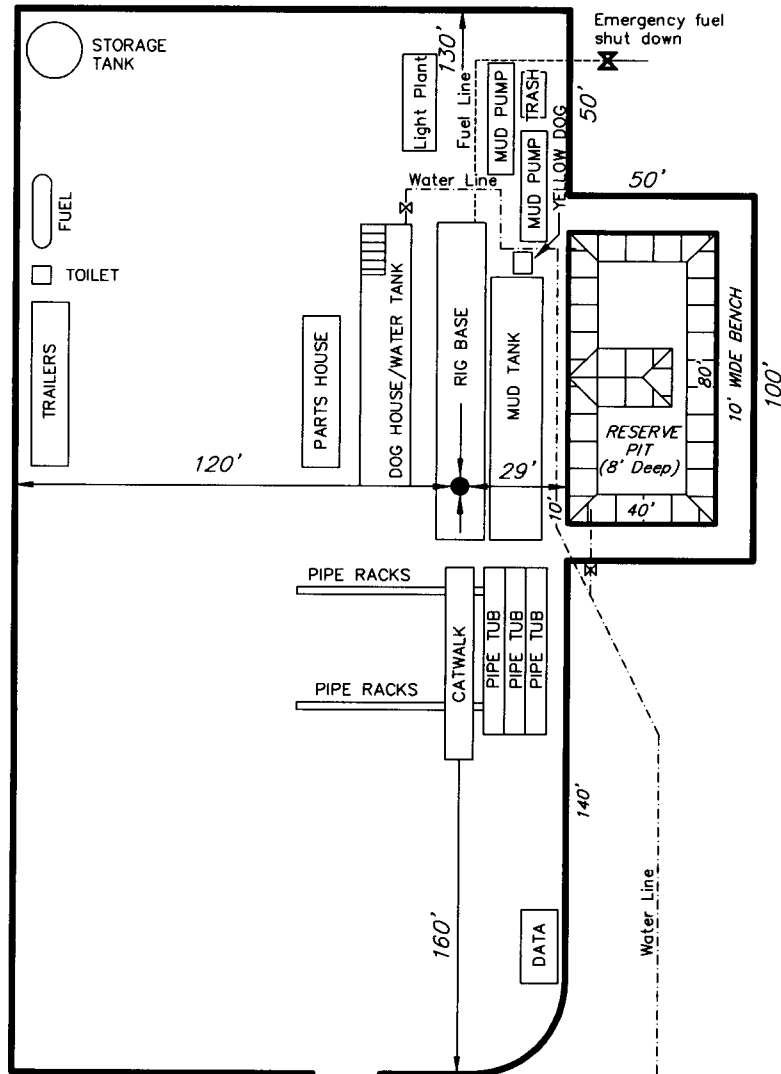
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 03-14-06

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

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**9 MILE 8-20-9-16**



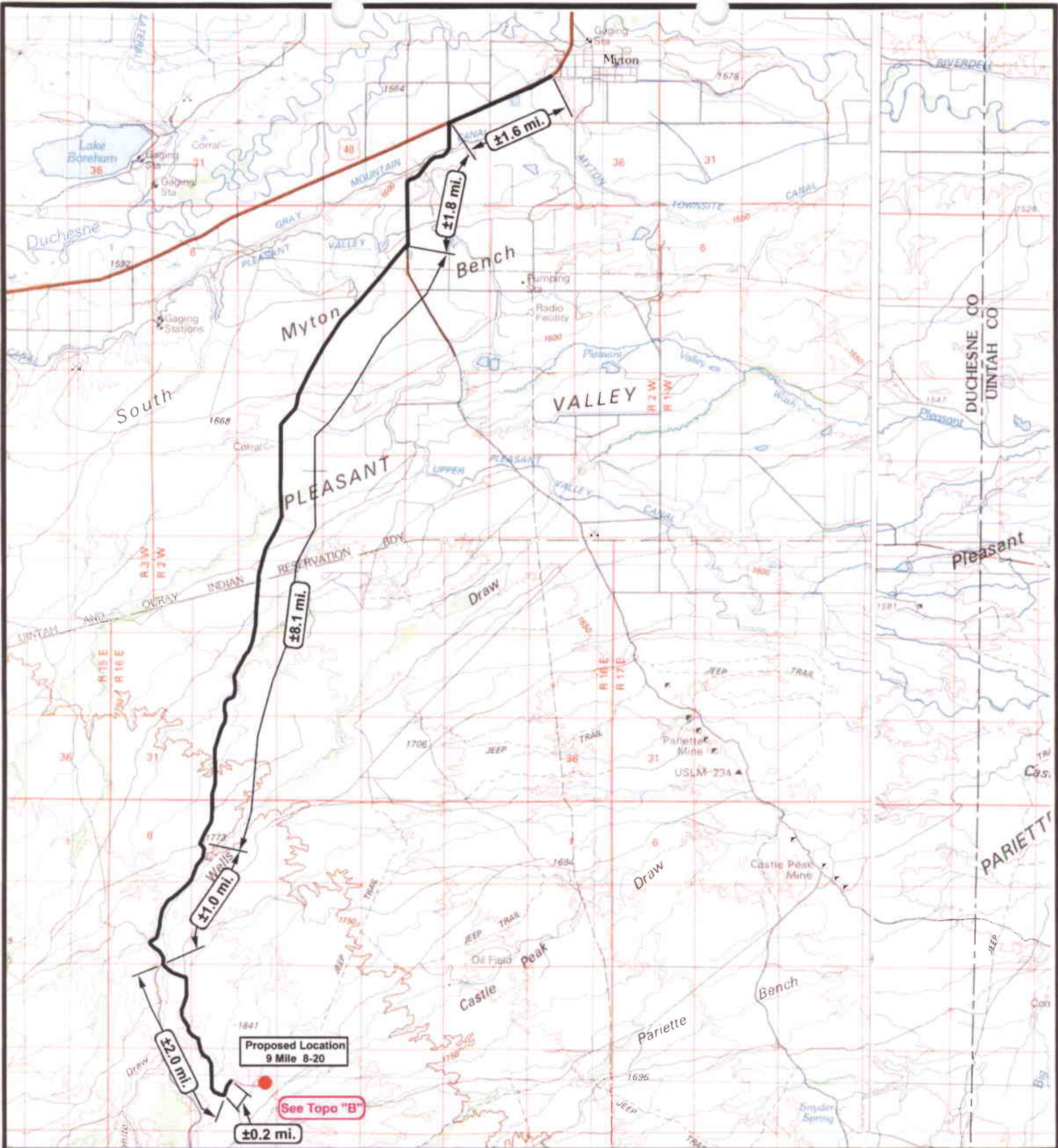
SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 03-14-06

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




**NEWFIELD**  
Exploration Company



**9 Mile 8-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



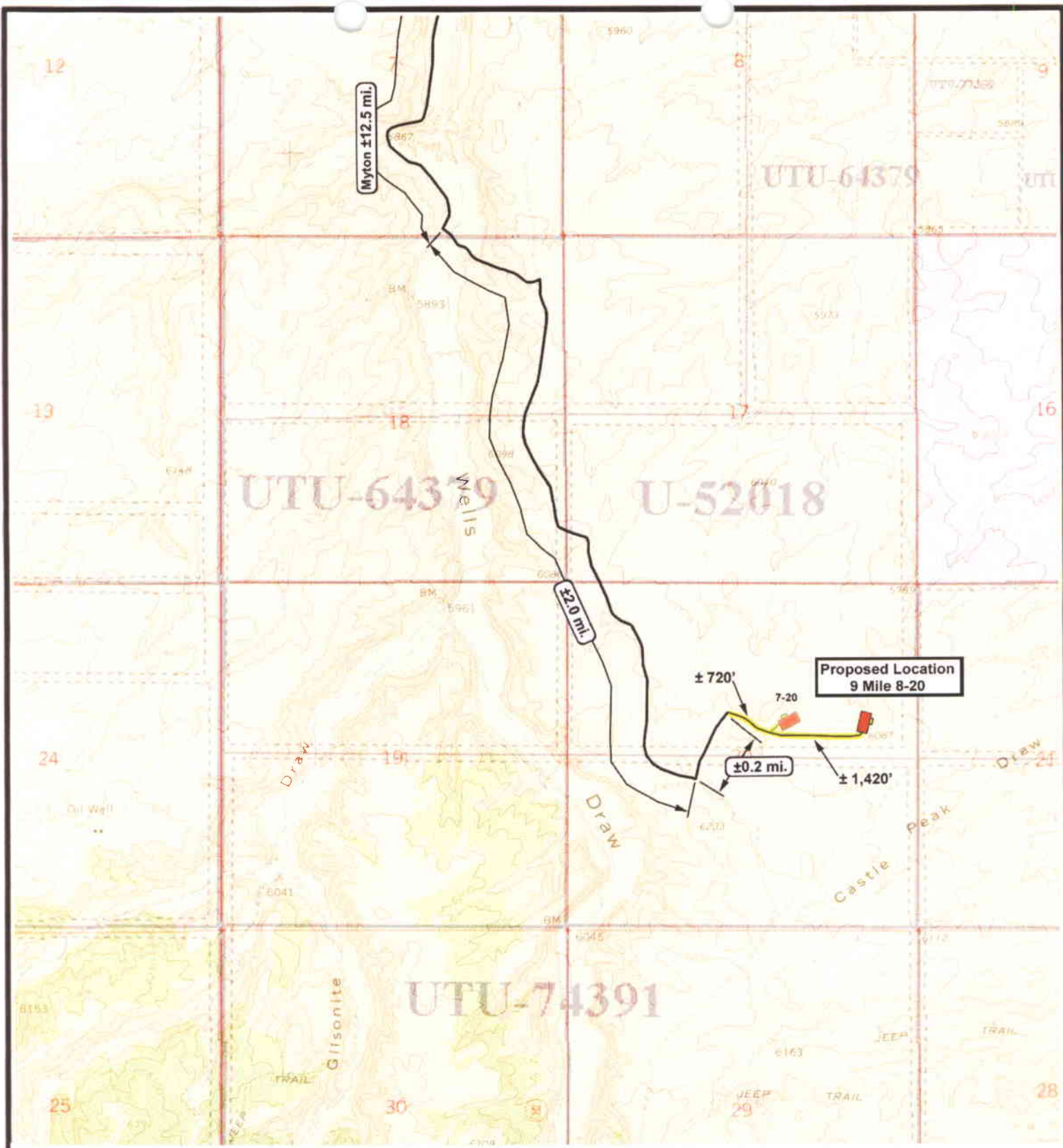

**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1 = 100,000**  
**DRAWN BY: mw**  
**DATE: 03-15-2006**

**Legend**

-  Existing Road
-  Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**



**NEWFIELD**  
Exploration Company

**9 Mile 8-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



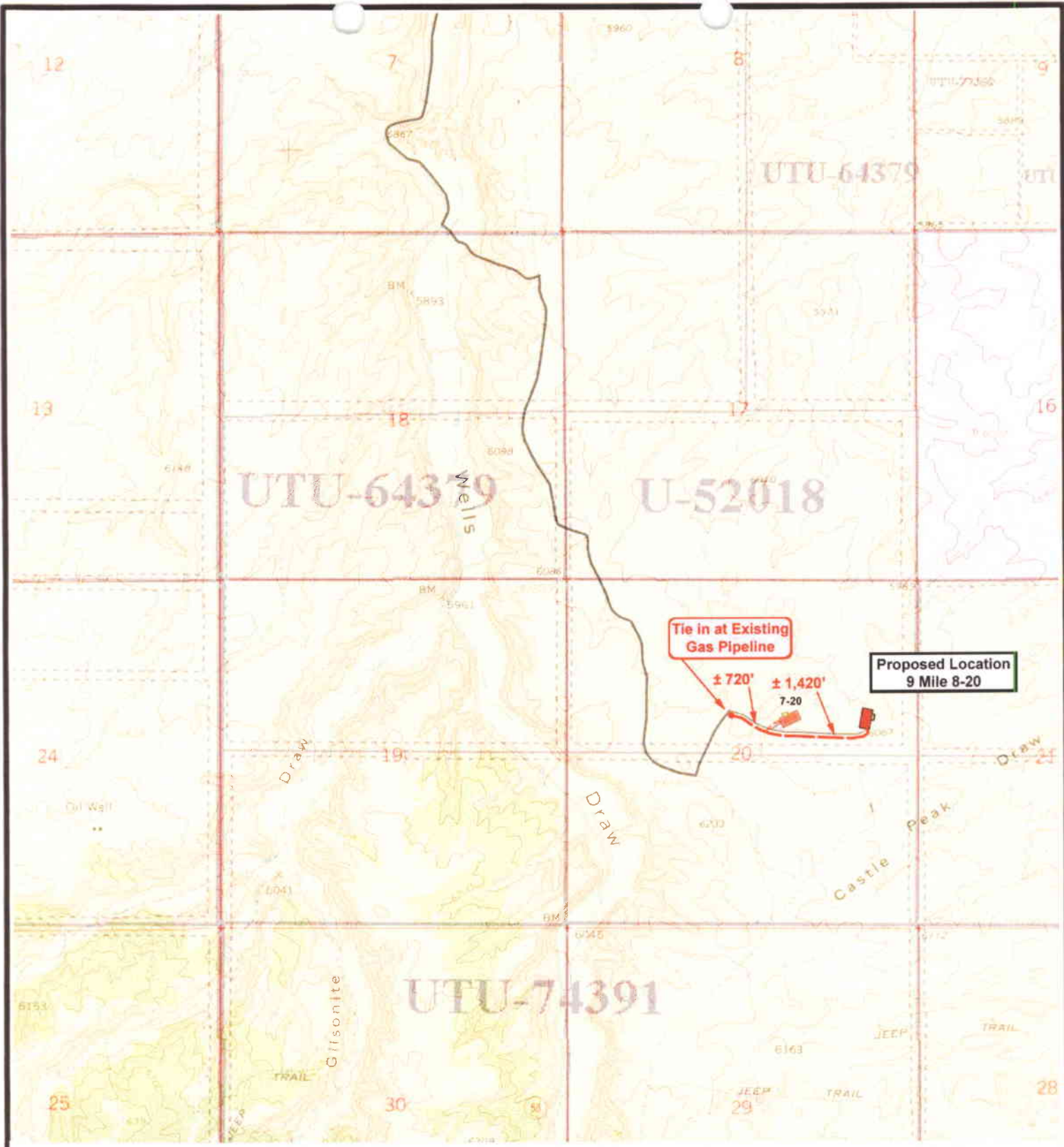
*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 03-14-2006

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**NEWFIELD**  
Exploration Company

**9 Mile 8-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



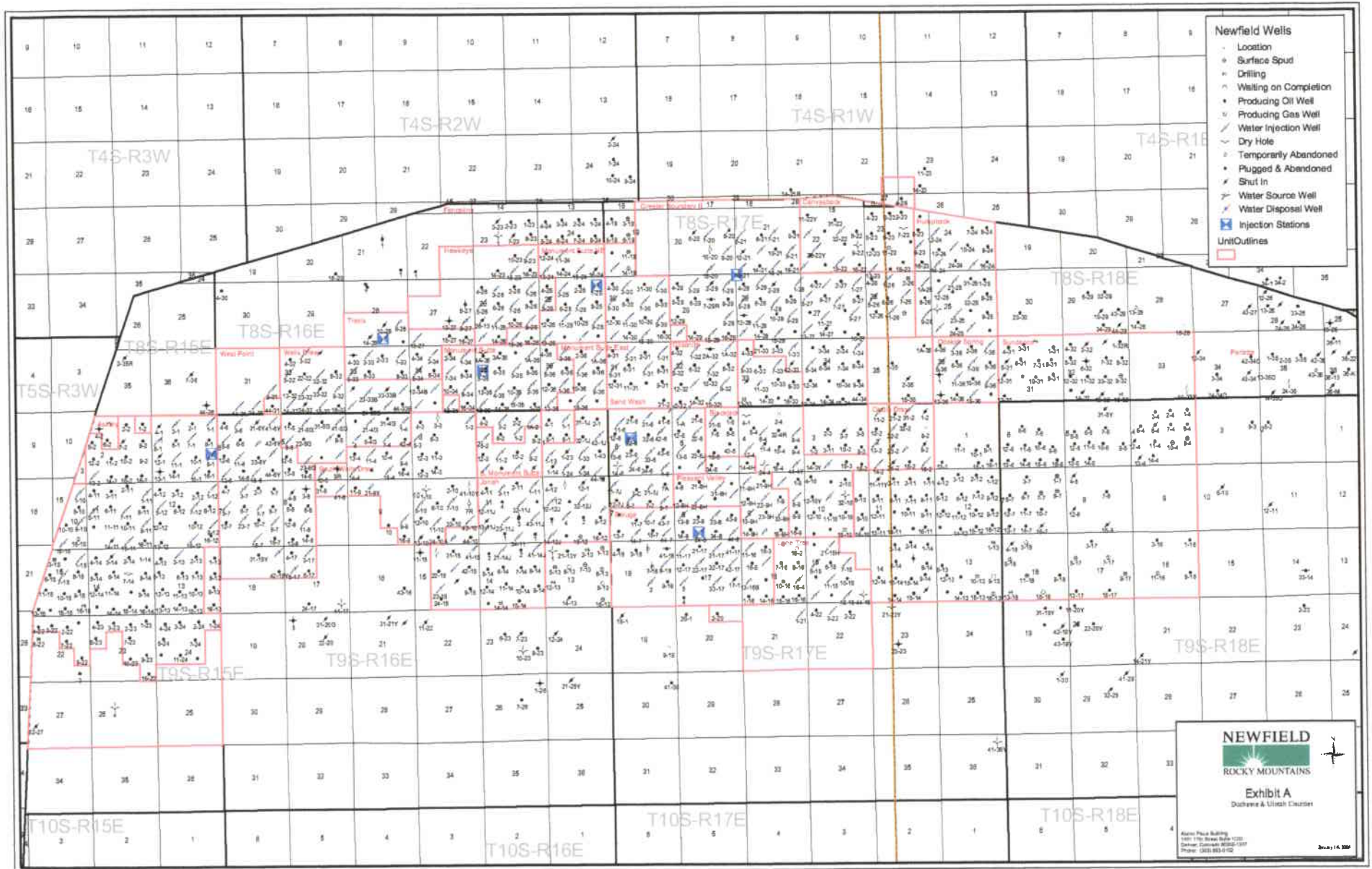
*Tri-State*  
Land Surveying Inc.  
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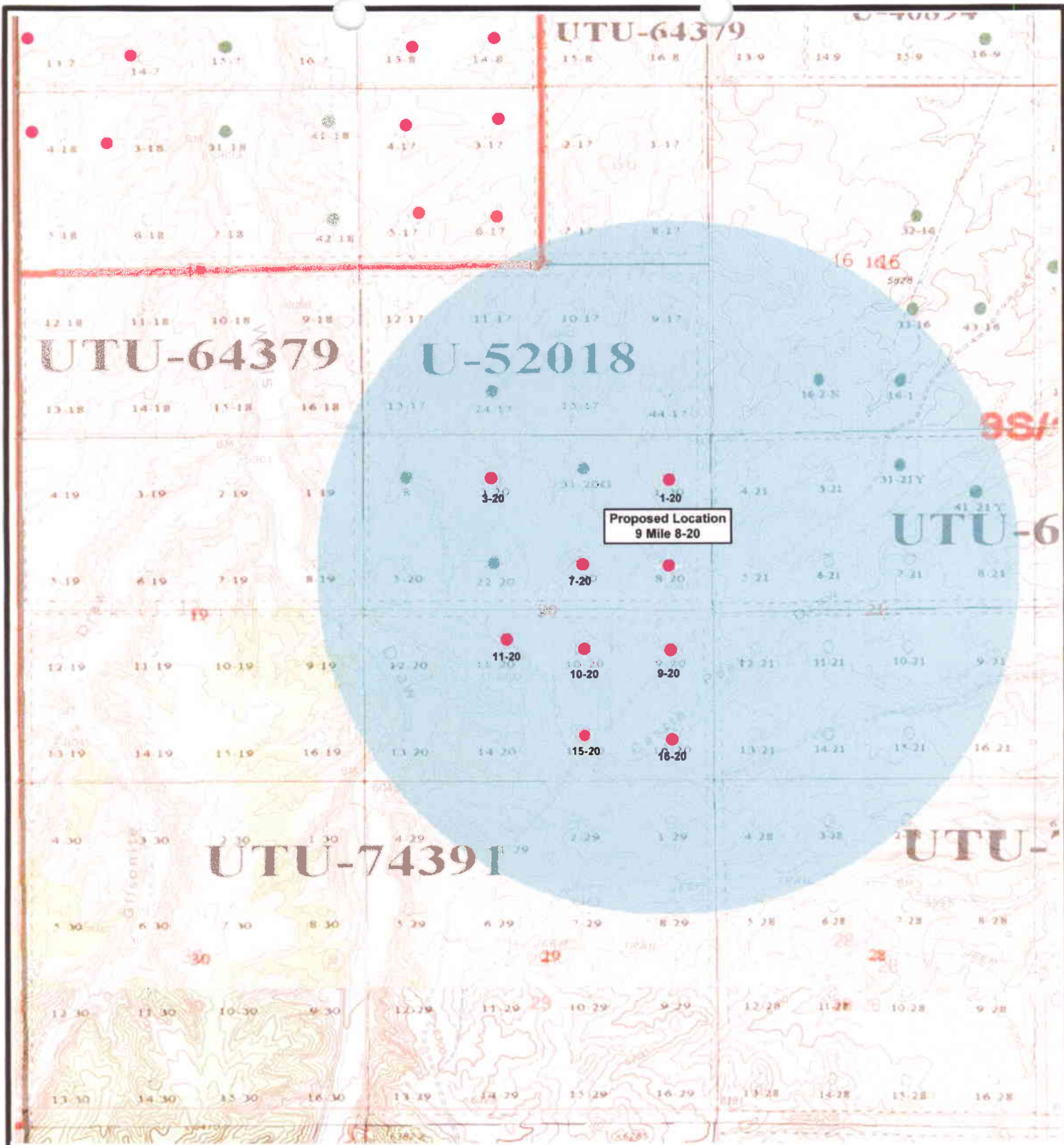
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DRAWN BY: mw  
DATE: 03-15-2006

**Legend**

- Roads
- Proposed Gas Line

TOPOGRAPHIC MAP  
**"C"**





Proposed Location  
9 Mile 8-20



**NEWFIELD**  
Exploration Company

**9 Mile 8-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 03-15-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

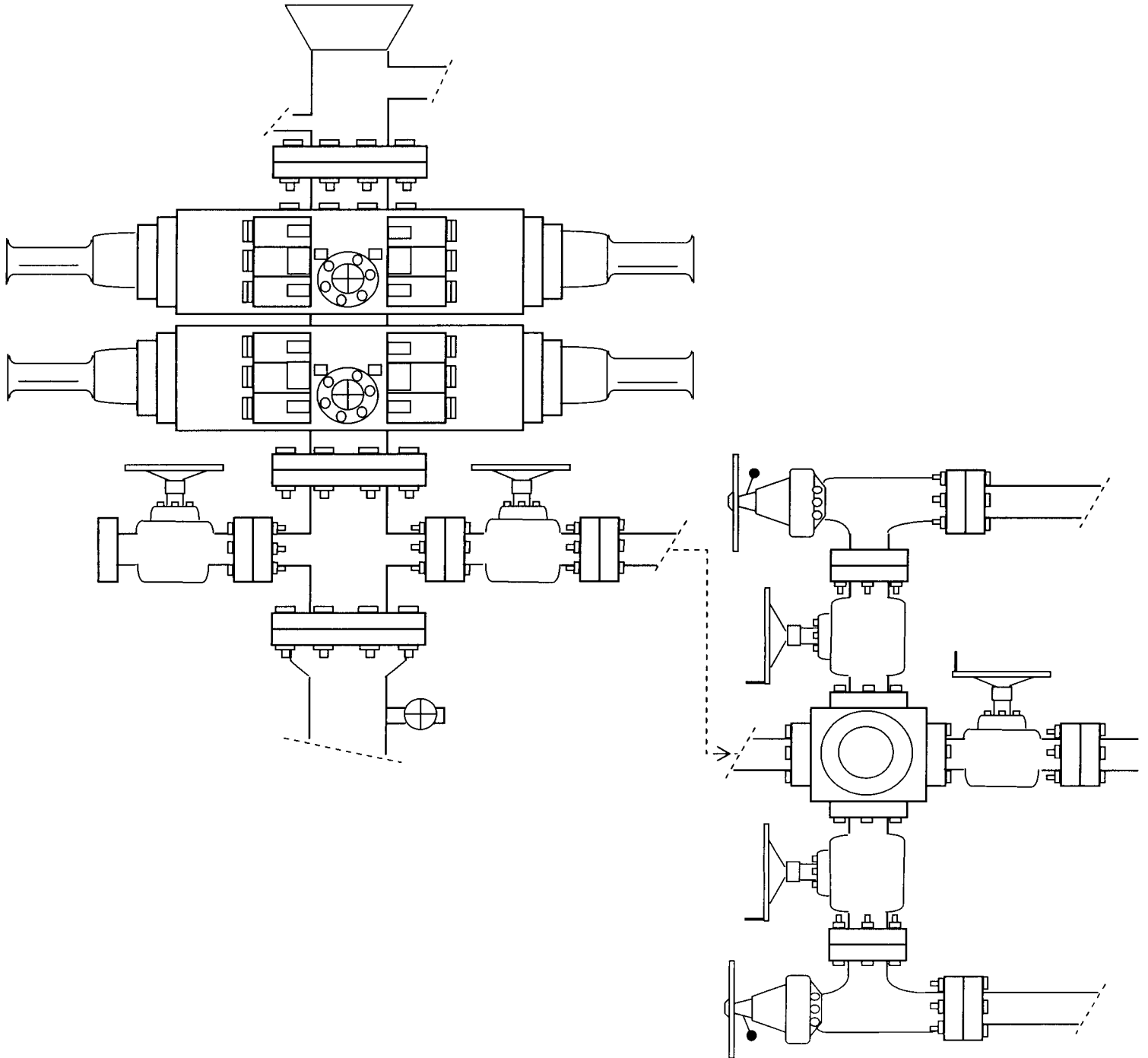


EXHIBIT C



Exhibit "D"  
Page 1 of 2

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20,  
DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

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. 05-225

July 13, 2005

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

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0668b

**NEWFIELD PRODUCTION COMPANY**

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

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
November 10, 2005

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/23/2006

API NO. ASSIGNED: 43-013-33107

WELL NAME: FEDERAL 8-20-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 20 090S 160E

SURFACE: 2133 FNL 0746 FEL

BOTTOM: 2133 FNL 0746 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01772 LONGITUDE: -110.1357

UTM SURF EASTINGS: 573756 NORTHINGS: 4429871

FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-52018

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

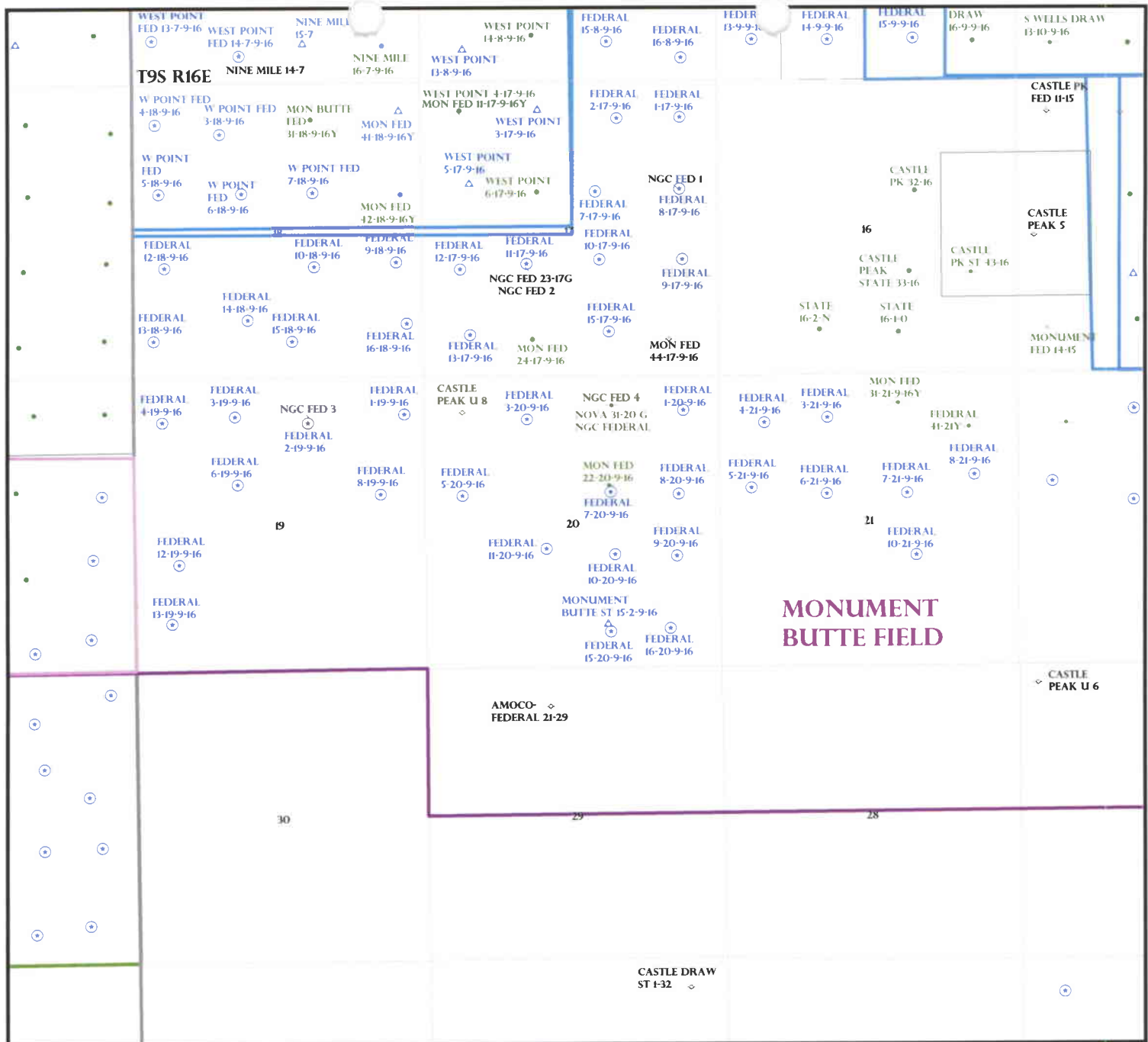
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing Strip



**MONUMENT BUTTE FIELD**

OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 19,20,21 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

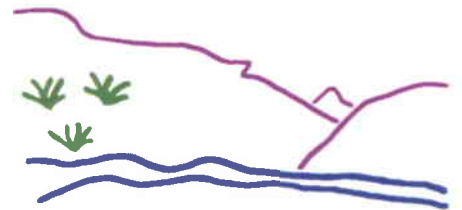
COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

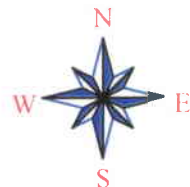
- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- 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: 24-MARCH-2006



**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*

March 27, 2006

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

Re: Federal 8-20-9-16 Well, 2133' FNL, 746' FEL, SE NE, Sec. 20, 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 43-013-33107.

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 8-20-9-16  
**API Number:** 43-013-33107  
**Lease:** UTU-52018

**Location:** SE NE                      **Sec.** 20                      **T.** 9 South                      **R.** 16 East

### **Conditions of Approval**

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

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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-52018

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or C/A Agreement, Name and No.  
N/A

8. Lease Name and Well No.  
Federal 8-20-9-16

9. API Well No.  
43 013 33107

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 SE/NE 2133' FNL 746' FEL  
At proposed prod. zone

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
SE/NE Sec. 20, T9S R16E

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 14.7 miles southwest of Myton, Utah

12. County or Parish  
Duchesne

13. State  
UT

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 507' f/lse, NA' f/unit

16. No. of Acres in lease  
640.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1250'

19. Proposed Depth  
5950'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GF., etc.)  
6055' GL

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

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

24. Attachments

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

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

25. Signature *Mandie Crozier*  
Title Regulatory Specialist

Name (Printed/Typed) Mandie Crozier  
Date 3/21/06

Approved by (Signature) *Jerry Kewala*  
Title District Manager  
Lands & Mineral Resources

Name (Printed/Typed) JERRY KEWALA  
Office  
Date 2-8-2007

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

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

\*(Instructions on reverse)

RECEIVED

JAN 14 2007

DIV. OF OIL, GAS & MINING

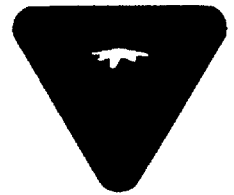
UDOGM

07BM4701A



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

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



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

**Company:** Newfield Production Company      **Location:** SENE, Sec 20, T9S, R16E  
**Well No:** Federal 8-20-9-16      **Lease No:** UTU-52018  
**API No:** 43-013-33107      **Agreement:** N/A

Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	Cell: 435-828-
Petroleum Engineer:	James Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
NRS/Environmental Scientist:	Scott Ackerman	Office: 435-781-4437	
NRS/Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
NRS/Environmental Scientist:	Jannice Cutler	Office: 435-781-3400	
NRS/Environmental Scientist:	Michael Cutler	Office: 435-781-3401	
NRS/Environmental Scientist:	Anna Figueroa	Office: 435-781-3407	
NRS/Environmental Scientist:	Melissa Hawk	Office: 435-781-4476	
NRS/Environmental Scientist:	Chuck Macdonald	Office: 435-781-4441	
NRS/Environmental Scientist:	Nathan Packer	Office: 435-781-3405	
NRS/Environmental Scientist:	Verlyn Pindell	Office: 435-781-3402	
NRS/Environmental Scientist:	Holly Villa	Office: 435-781-4404	
NRS/Environmental Scientist:	Darren Williams	Office: 435-781-4447	
NRS/Environmental Scientist:	Karl Wright	Office: 435-781-4484	
<b>After Hours Contact Number:</b>	<b>435-781-4513</b>	<b>Fax:</b> 435-781-4410	

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

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

**NOTIFICATION REQUIREMENTS**

- Location Construction (Notify NRS) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify NRS) - 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
- 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)***

**STIPULATIONS:**

Lands in this lease have been identified as containing Golden eagle habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

There is a documented Golden Eagle nest located within 0.5 miles of the proposed location, not in line-of-site of the project area. With this occurrence there will be a timing restriction to protect the Golden Eagle nesting period from February 1- July 15.

Prairie dog burrows are also located within a hundred yards east of the proposed site. With this occurrence of the prairie dog burrows (burrowing owl habitat) there will also be a timing restriction from April 1- August 15.

**CONDITIONS OF APPROVAL:**

1. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
2. Avoid rocky outcrops.
3. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. 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 three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
5. The access road will be crowned and ditched. Flat-bladed roads are not allowed.
6. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
7. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
8. Pipelines will be buried at all major drainage crossings.
9. Prevent fill and stock piles from entering drainages.
10. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
11. The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
12. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.

13. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
14. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
15. The interim seed mix for this location shall be:

Indian Ricegrass ( <i>Oryzopsis hymenoides</i> )	4 lbs/acre
Needle and Threadgrass ( <i>Stipa comata</i> ):	4 lbs/acre
Scarlet Globemallow ( <i>Sphaeralcea coccinea</i> ):	1 lb/acre
Winter Fat ( <i>Ceratoides lanata</i> )	3 lbs/acre
16. All pounds are in pure live seed.
17. Rates are set for drill seeding; double the rate if broadcasting.
18. Reseeding may be required if initial seeding is not successful.
19. The operator will be responsible for treatment and control of invasive and noxious weeds.
20. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
21. Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
22. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
23. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
24. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
25. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
26. Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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

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

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

1. None

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

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

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

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

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

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

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

7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to a 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.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

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

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

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

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

A cement bond log (CBL) will be run from the production casing shoe to the 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\_Wellologs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

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

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.	<b>UTU-52018</b>
6. If Indian, Allottee or Tribe Name	<b>NA</b>
7. If Unit or CA, Agreement Designation	<b>N/A</b>
8. Well Name and No.	<b>FEDERAL 8-20-9-16</b>
9. API Well No.	<b>43-013-33107</b>
10. Field and Pool, or Exploratory Area	<b>MONUMENT BUTTE</b>
11. County or Parish, State	<b>DUCHESNE COUNTY, UT.</b>

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**2133 FNL 746 FEL SE/NE Section 20, T9S R16E**

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

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/27/06 (expiration 3/27/07).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 03-12-07  
By: [Signature]

3-12-07  
pm

RECEIVED  
MAR 09 2007

DIV. OF OIL, GAS & MINING

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

Signed [Signature] Title Regulatory Specialist Date 3/5/2007  
**Mandie Crozier**

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: Utah DOGM

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

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

**API:** 43-013-33107  
**Well Name:** Federal 8-20-9-16  
**Location:** SE/NE Section 20, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 3/27/2006

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

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

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

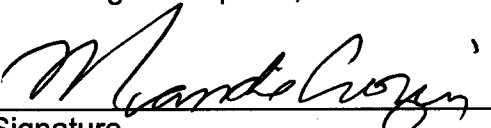
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

3/5/2007

\_\_\_\_\_  
Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

**RECEIVED**

**MAR 09 2007**

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



# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: Newfield Production Company

Well Name: Federal 8-20-9-16

API No: 43-013-33107 Lease Type: Federal

Section 20 Township 09S Range 16E County Duchesne

Drilling Contractor NDSI Rig # NS#1

### **SPUDDED:**

Date 6-6-07

Time 12:00 PM

How Dry

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

Reported by Don Bastian

Telephone # 435-823-6012

Date 6-6-07 Signed RM

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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
 ADDRESS: RT. 3 BOX 3638  
 MYTON, UT 84062

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
A	99999	16171	4301333024	FEDERAL 3-22-9-16	NENW	22	9S	16E	DUCHESNE	5/31/2007	6/14/07
WELL 1 COMMENTS: <i>GRPV</i>											
A	99999	16172	4301332913	ASHLEY FEDERAL 16-26-9-15	SESE	26	9S	15E	DUCHESNE	6/1/2007	6/14/07
WELL 2 COMMENTS: <i>GRPV</i>											
B	99999	12187	4301333263	<del>HE</del> FEDERAL L-26-8-16 <i>HAWKEYE</i>	NWSE	26	8S	16E	DUCHESNE	6/4/2007	6/14/07
WELL 3 COMMENTS: <i>GRPV</i>											
A	99999	16173	4301333107	FEDERAL 8-20-9-16	SENE	20	9S	16E	DUCHESNE	6/5/2007	6/14/07
WELL 4 COMMENTS: <i>GRPV</i>											
A	99999	16174	4301333106	FEDERAL 7-20-9-16	SWNE	20	9S	16E	DUCHESNE	6/6/2007	6/14/07
WELL 5 COMMENTS: <i>GRPV</i>											
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 - two new existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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

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JUN 06 2007

DIV. OF OIL, GAS & MINING

*Jentri Park*  
 Signature  
 Jentri Park  
 Production Clerk  
 June 6 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.

5. Lease Serial No.  
USA UTU-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 8-20-9-16

9. API Well No.  
4301333107

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

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)  
2133 FNL 746 FEL  
SENE Section 20 T9S R16E

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

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

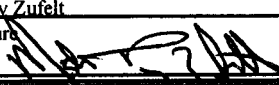
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths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

On 6/5/07 MIRU NDSI NS # 1. Spud well @ 12:00 PM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313.80' / KB On 6/7/07 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

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JUN 11 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)  
Troy Zufelt

Signature: 

Title  
Drilling Foreman

Date  
06/08/2007

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)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

\_\_\_\_\_ 8 5/8 CASING SET AT \_\_\_\_\_ 313.8 \_\_\_\_\_

LAST CASING 8 5/8" set @ \_\_\_\_\_ 313.8  
 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 8-20-9-16  
 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 38.45'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.95
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			303.8
TOTAL LENGTH OF STRING		303.8	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>313.8</b>
TOTAL		301.95	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		301.95	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	6/5/2007	12:00 PM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE		6/5/2007	5:00 PM	Bbls CMT CIRC TO SURFACE			4
BEGIN CIRC		6/7/2007	9:51 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT		6/7/2007	10:06 AM				
BEGIN DSPL. CMT		6/7/2007	10:15 AM	BUMPED PLUG TO			650 PSI
PLUG DOWN		6/7/2007	10:23 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 6/7/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

REVISIONS, COMMENTS, or 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)  
 2133 FNL 746 FEL  
 SENE Section 20 T9S R16E

5. Lease Serial No.  
 USA UTU-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
 FEDERAL 8-20-9-16

9. API Well No.  
 4301333107

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	Weekly Status Report	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

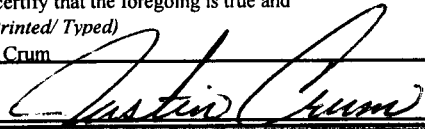
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths 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.)

On 6/10/07 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 267'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6050'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5934' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 5:30 PM on 6/16/07.

RECEIVED

JUN 19 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)  
 Justin Crum  
 Signature 

Title  
 Drilling Foreman

Date  
 06/17/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

Title \_\_\_\_\_ Date \_\_\_\_\_  
 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.

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5934

Flt cllr @ 5890.14

LAST CASING 8 5/8" Set @ 313.8  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5950' TD loggers \_\_\_\_\_  
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company  
 WELL Federal 8-20-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Patterson-UTI Rig # 155

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 5.58' @ 3946.85'					
133	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5876.14
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.61
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5936.00
TOTAL LENGTH OF STRING		5936.00	134	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		203.32	5	CASING SET DEPTH			<b>5934</b>
TOTAL		<b>6124.07</b>	139	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6124.07	139				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		6/15/2007	5:00 AM	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		6/16/2007	10:00 AM	Bbls CMT CIRC to surface			40
BEGIN CIRC		6/16/2007	10:05 AM	RECIPROCATED PIPE FOR			<u>THRUSTROKE</u>
BEGIN PUMP CMT		6/16/2007	11:42 AM	DID BACK PRES. VALVE HOLD ?			Yes
BEGIN DSPL. CMT		6/16/2007	12:42 PM	BUMPED PLUG TO			1500 PSI
PLUG DOWN		6/16/2007	1:04 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.49 cf/sk yield					
2	425	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum

DATE 6/17/2007

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-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 8-20-9-16

9. API Well No.  
4301333107

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

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)  
2133 FNL 746 FEL  
SENE Section 20 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

Signature *Mandie Crozier*

Title  
Regulatory Specialist

Date  
07/11/2007

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  
JUL 13 2007  
DIV. OF OIL, GAS & MINING

**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 _____		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-52018</b>
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 _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>NA</b>
2. NAME OF OPERATOR <b>Newfield Exploration Company</b>		7. UNIT AGREEMENT NAME <b>Federal</b>
3. ADDRESS AND TELEPHONE NO. <b>1401 17th St. Suite 1000 Denver, CO 80202</b>		8. FARM OR LEASE NAME, WELL NO. <b>Federal 8-20-9-16</b>
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface <b>2133' FNL &amp; 746' FEL (SE/NE) Sec. 20, T9S, R16E</b> At top prod. Interval reported below		9. WELL NO. <b>43-013-33107</b>
At total depth		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>
14. API NO. <b>43-013-33107</b> DATE ISSUED <b>03/27/07</b>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>Sec. 20, T9S, R16E</b>
15. DATE SPUIDED <b>06/05/07</b>	16. DATE T.D. REACHED <b>06/15/07</b>	12. COUNTY OR PARISH <b>Duchesne</b>
17. DATE COMPL. (Ready to prod.) <b>07/09/07</b>	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>6055' GL 6067' KB</b>	13. STATE <b>UT</b>
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD <b>5950'</b>	21. PLUG BACK T.D., MD & TVD <b>5880'</b>
22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY <b>-----&gt;</b>	24. ROTARY TOOLS <b>X</b>

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* <b>Green River 4570-5492'</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>

**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#	314'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5934'	7-7/8"	300 sx Premlite II and 425 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 @ 5547'	TA @ 5448'

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
(CP1) 5484'-5492'	.49"	4/32	5484'-5492'	Frac w/ 15,470# 20/40 sand in 274 bbls fluid
(LODC) 5270'-5280'	.49"	4/40	5270'-5280'	Frac w/ 29,548# 20/40 sand in 365 bbls fluid
(LODC) 5164'-5176', 5129'-5138'	.49"	4/84	5129'-5176'	Frac w/ 95,147# 20/40 sand in 706 bbls fluid
(LODC) 5055'-5074'	.49"	4/76	5055'-5074'	Frac w/ 71,220 20/40 sand in 719 bbls fluid
(A1) 4963'-4971'	.49"	4/32	4963'-4971'	Frac w/ 40,277# 20/40 sand in 492 bbls fluid
(C & D3) 4704'-4709', 4656'-4663'	.49"	4/48	4656'-4709'	Frac w/ 29,723# 20/40 sand in 376 bbls fluid
(D1) 4570'-4576'	.49"	4/24	4570'-4576'	Frac w/ 42,080# 20/40 sand in 356 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION <b>07/09/07</b>	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <b>2-1/2" x 1-1/2" x 12' x15' 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 ----->	OIL--BBL. <b>8</b>	GAS--MCF. <b>5</b>	WATER--BBL. <b>62</b>	GAS-OIL RATIO <b>625</b>
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 Jentri Park TITLE Production Clerk DIV. OF OIL, GAS & MINING

DATE 7/25/2007

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JUL 27 2007

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

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.



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 8-20-9-16	Garden Gulch Mkr	3594'	
				Garden Gulch 1	3787'	
				Garden Gulch 2	3892'	
				Point 3 Mkr	4136'	
				X Mkr	4396'	
				Y-Mkr	4429'	
				Douglas Creek Mkr	4540'	
				BiCarbonate Mkr	4772'	
				B Limestone Mkr	4863'	
				Castle Peak	5444'	
				Basal Carbonate	5882'	
				Total Depth (LOGGERS)	5945'	

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-52018

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL:

OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:

FEDERAL 8-20-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333107

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2133 FNL 746 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 20, T9S, R16E

STATE: UT

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 <small>(Submit in Duplicate)</small>  Approximate date work will  <hr/>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>  Date of Work Completion:  <u>07/24/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 07/09/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Benji Park

TITLE Production Clerk

SIGNATURE 

DATE 07/24/2007

(This space for State use only)

**RECEIVED**  
**JUL 27 2007**

DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**FEDERAL 8-20-9-16**

**5/1/2007 To 9/30/2007**

**6/29/2007 Day: 1**

**Completion**

Rigless on 6/28/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5861' & cement top @ 210'. Perforate stage #1. CP1 sds @ 5484-92' w/ 3 1/8" Slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 139 BWTR. SIFN.

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

**Completion**

Rigless on 7/1/2007 - RU BJ Services. 5 psi on well. Frac CP1 sds w/ 15,470#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3882 psi. Treated w/ ave pressure of 2490 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2369 psi. Leave pressure on well. 413 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5270- 80' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 280 psi on well. Frac LODC sds w/ 29,548#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Broke @ 1855 psi. Treated w/ ave pressure of 2397 psi @ ave rate of 24.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2486 psi. Leave pressure on well. 778 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 9' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5164- 76', 5129-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. RU BJ Services. 990 psi on well. Frac LODC sds w/ 4,712#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 2942 psi. Blender broke down. Went to flush & over displaced treating fluid by 3 bbls. Will Refrac this zone in the morning. ISIP 2340 psi. Leave pressure on well. SIWFN w/ 1167 BWTR.

**7/5/2007 Day: 3**

**Completion**

Rigless on 7/4/2007 - RU BJ Services. 730 psi on well. Frac LODC sds w/ 95,147#'s of 20/40 sand in 706 bbls of Lightning 17 fluid. Re-broke @ 2538 psi. Treated w/ ave pressure of 2554 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2775 psi. Leave pressure on well. 1873 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 5110'. Perforate LODC sds @ 5055- 74' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. RU BJ Services. 700 psi on well. Frac LODC sds w/ 71,220#'s (Frac was designed for 130,000#'s) of 20/40 sand in 719 bbls of Lightning 17 fluid. Broke @ 2007 psi. Treated w/ ave pressure of 2372 psi @ ave rate of 24.3 BPM. Blender broke down in middle of frac. Was unable to get blender going. Bypassed blender & flushed sand away. ISIP 2680 psi. Leave pressure on well. 2592 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 8' perf gun. Set plug @ 5010'. Perforate A1 sds @ 4963- 71' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. Wait for BJ Services to swap out blender. RU BJ Services. 860 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ services. Frac A1 sds w/ 40,277#'s of 20/40 sand in 492 bbls of

**Lightning 17 fluid. Broke @ 3979 psi. Had trouble getting crosslink (Pumped 92 bbls of fluid before getting crosslink). Treated w/ ave pressure of 2725 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2290 psi. Leave pressure on well. 3084 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 7' perf gun. Set plug @ 4810'. Perforate C sds @ 4704- 4709', D3 sds @ 4656- 4663' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ services. 25 psi on well. Brokedown C & D3 sds @ 2597 psi. Pumped a total of 141 bbls of fluid trying to get fluid to crosslink, Would not crosslink. Retested wtr in frac tanks, Tested good. Tested chemicals from Chem-add unit. Crosslinked a sample for hydration unit, Fluid crosslinked good. It was determined that fluid would not crosslink at the blender (Swapped out blender after Stage #4, Had trouble getting crosslink fluid on stage #5). Shut down for the day. BJ Services is going to look blender & chem-add unit to determine if they can find a problem. Leave pressure on well. 3225 BWTR. Will try to finish frac's on Thursday morning.**

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**7/6/2007 Day: 4**

**Completion**

**Rigless on 7/5/2007 - RU BJ Services. 116 psi on well. Frac C & D3 sds w/ 29,723#'s of 20/40 sand in 376 bbls of Lightning 17 fluid. Re-broke @ 1400 psi (Initial break was 2597 psi). Treated w/ ave pressure of 1630 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1667 psi. Leave pressure on well. 3601 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4570- 76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. psi on well. Frac D1 sds w/ 42,080#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 2816 psi. Treated w/ ave pressure of 1829 psi @ ave rate of 24.4 BPM. ISIP 1875 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 2 1/2 hrs & died. Rec 141 BTF. MIRU NC #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged fill @ 4555'. RU Nabors power. Drill out plug @ 4610'. Circulate well clean w/ EOT @ 4637'. SIWFN w/ 3816 BWTR.**

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

**Completion**

**NC #1 on 7/6/2007 - 6:30AM OWU, RIH W/-Tbg To Fill @ 4709', R/U Nabors Pwr Swvl, C/Out To Plg @ 4810', Drill Up Plg, Swvl I/Hle To Fill @ 4963', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5024', C/Out To Plg @ 5110', Drill Up Plg, Swvl I/Hle To Fill @ 5159', C/Out To Plg @ 5230', Drill Up Plg, Swvl I/Hle To Fill @ 5340', C/Out To Plg @ 5380', Drill Up Plg, Swvl I/Hle To Fill @ 5783', C/Out To PBTD @ 5880', Curc Well Clean 1 Hr, POOH W/-4 Jts Tbg EOB @ 5755', R/U Swab RIH IFL @ Surf, Made 13 Swab Runs, Recvred 155 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ 1800', SWI, 6:00PM C/SDFN. Well Gained 42 Bbls Wtr On C/Out To PBTD, Total Wtr Recvery For Day = 197 Bbls.**

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**7/10/2007 Day: 6**

**Completion**

**NC #1 on 7/9/2007 - 6:30AM OWU, RIH W/-4 Jts Tbg To Fill @ 5878', R/U R/pmp & C/Out To PBTD @ 5880', Curc Well Clean, POOH W/-189 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x12x15' RHAC & Rod Production String Shown Below. Seat pmp, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM, 86" SL, 5 SPM, ( Final Report ).**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-52018

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:      COUNTY: DUCHESNE  
FOOTAGES AT SURFACE: 2098 FNL 1961 FEL

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 20, T9S, R16E      STATE: UT

8. WELL NAME and NUMBER:  
FEDERAL 7-20-9-16

9. API NUMBER:  
4301333106

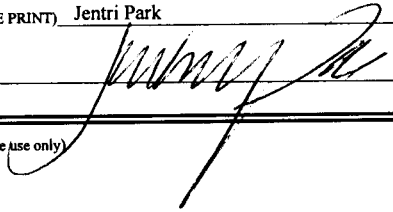
10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>07/31/2007</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
The above subject well was completed on 07/12/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park      TITLE Production Clerk

SIGNATURE       DATE 07/31/2007

(This space for State use only)

**RECEIVED**  
**AUG 07 2007**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**FEDERAL 7-20-9-16**

**5/1/2007 To 9/30/2007**

**7/3/2007 Day: 1**

**Completion**

Rigless on 7/2/2007 - nstall 5m 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 @ 5847' & cement top @ 48'. Perforate stage #1, LODC sds @ 5279-90' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 44 shots. 140 bbls EWTR. SIFN.

**7/10/2007 Day: 2**

**Completion**

Rigless on 7/9/2007 - Stage #1, LODC sds RU BJ Services. 10 psi on well. Frac LODC sds w/ 29,554#'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Broke @ 2750 psi. Treated w/ ave pressure of 1987 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2284 psi. Leave pressure on well. 370 BWTR. Stage #2, LODC sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' perf gun. Set plug @ 5140'. Perforate LODC sds @ 5030-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1930 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. 1740 psi on well Frac LODC sds w/ 24,274#'s of 20/40 sand in 368 bbls of Lightning 17 fluid. Broke @ 2156 psi. Treated w/ ave pressure of 2044 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2143 psi. Leave pressure on well. 368 BWTR. Stage #3, A3 sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 11' perf gun. Set plug @ 5010'. Perforate A3 sds @ 4946-57' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. RU BJ Services. 89 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. 76 psi on well Frac A3 sds w/ 40,017#'s of 20/40 sand in 427 bbls of Lightning 17 fluid. Broke @ 2935 psi. Treated w/ ave pressure of 1862 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2238 psi. Leave pressure on well. 427 BWTR. Stage #4, D3 sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 13' perf gun. Set plug @ 4770'. Perforate D3 sds @ 4655-68' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 52 shots. RU BJ Services. 1600 psi on well. Frac D3 sds w/ 48,763#'s of 20/40 sand in 450 bbls of Lightning 17 fluid. Broke @ 4031 psi. Treated w/ ave pressure of 1737 psi @ ave rate of 24.8 BPM. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 3 hrs. & died. Recovered 160 bbls water. MIRU NC #1. SWIFN.

**7/11/2007 Day: 3**

**Completion**

NC #1 on 7/10/2007 - 6:30AM OWU, N/D 10,000 BOP & Frac Flnge, N/U 3,000 Flnge & 5,000 BOP, P/U & RIH W/-4 3/4 Bit, Bit Sub & 151 Jts Tbg To Plg @ 4770', Drill Up Plg, Swvl I/Hle To Fill @ 4939', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5087', C/Out To Plg @ 5140', Drill Up Plg, Swvl I/Hle To Fill @ 5722', C/Out To PBD @ 5879', Curc Well Clean, 30 Min, R/D Swvl, POOH W/-4 Jts Tbg EOB @ 5751', 6:30PM C/SDFN. Lost 22 Bbls Wtr For Day.

**7/12/2007 Day: 4**

**Completion**

NC #1 on 7/11/2007 - 6:30AM OWU, R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs Recvred 165 Bbls Wtr, Lite Trce Oil, Lite Trce Sand FFL @ 1900', R/D Swab, RIH W/-4 Jts Tbg To Fill @ 5873', 6' Of New Fill, R/U R/pmp & C/Out To PBTD @ 5879', Curc Well Clean, POOH W/-188 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 2 Jts Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 166 Jts Tbg, SWI, 6:00PM C/SDFN, 6:00PM. Lost 51 Bbls Wtr On C/Out To PBTD, Recvred 165 Bbls Wtr Swabbing, Total Recvery For Day = 114 Bbls.

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7/13/2007 Day: 5

Completion

NC #1 on 7/12/2007 - 6:30AM OWU, N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD, R/U R / pmp & Flsh Tbg W/-60 Bbls Wtr, P/U & RIH W/-CDI-2 1/2x1 1/2x12x16' RHAC & ROD String Shown Below. Seat pmp, R/U Unit, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig, POP @ 1:30PM, 85" SL, 5 SPM, ( Final Report ).

---

**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018
		<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 8-20-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013331070000
<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> 2133 FNL 0746 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 20 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: 7/9/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The above reference well was put on injection at 12:00 PM on  
07/09/2014

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
July 11, 2014

<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> 7/10/2014	





GARY R. HERBERT  
Governor

SPENCER J. COX  
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

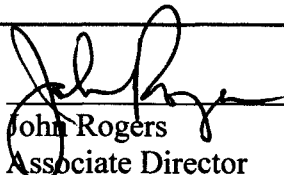
### Cause No. UIC-415

**Operator:** Newfield Production Company  
**Well:** Federal 8-20-9-16  
**Location:** Section 20, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33107  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 19, 2014.
2. Maximum Allowable Injection Pressure: 1,670 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,893' – 5,880')
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

7/2/14  
Date

JR/MLR/js

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

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





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

March 19, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 8-20-9-16, Section 20, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33107

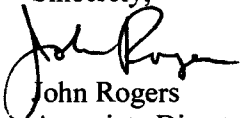
Ladies and Gentlemen:

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 3,893 feet in the Federal 8-20-9-16 well.

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

Sincerely,

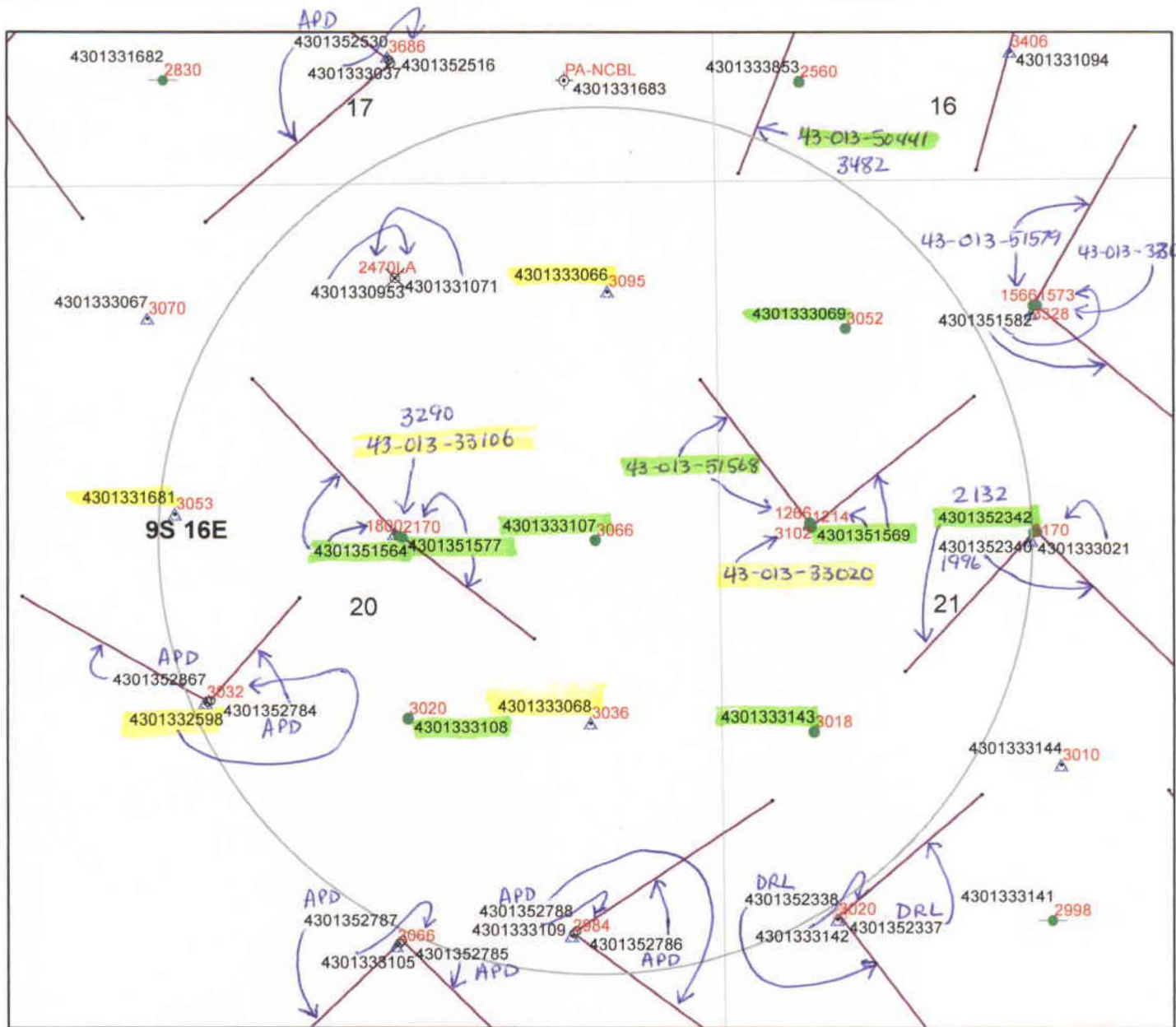
  
John Rogers  
Associate Director

JR/MLR/js

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

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





**Legend**

**Oil & Gas Well Type**

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- <sub>GS</sub> GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊗ PGW-Producing Gas Well
- POW-Producing Oil Well *in AOR*
- ▲ RET-Returned APD
- ⊗ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊗ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well *in AOR*
- WSW-Water Supply Well

**Cement Bond Tops  
Federal 8-20-9-16  
API #43-013-33107  
UIC-415.12**



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path  
Wells-CbitopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

4770 S. 5600 W.  
 P.O. BOX 704005  
 WEST VALLEY CITY, UTAH 84170  
 FED. TAX I.D.# 87-0217663  
 801-204-6910

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	12/13/2013

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER
8015385340	0000927358
SCHEDULE	
Start 12/13/2013	End 12/13/2013
CUST. REF. NO.	
Newfield Cause UIC-415	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
94 Lines	3.00
TIMES	3
MISC. CHARGES	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:  
 State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-33846  
 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-33853  
 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East  
 API 43-013-30650  
 Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33033  
 Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33035  
 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East  
 API 43-013-32922  
 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33063  
 Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33100  
 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33102  
 Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33161  
 Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33163  
 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33107  
 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33019  
 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33069  
 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33023  
 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33003  
 Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-30873  
 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-32961  
 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33343

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 intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.


RECEIVED  
 DEC 20 2013

DIV. OF OIL, GAS & MINING AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I C  
 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RES  
 CAUSE NO. UIC-415 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MIN  
 COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND D  
 ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT  
 NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEW  
 UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104.

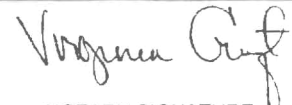
Dated this 11th day of December, 2013.  
 STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 Brad Hill  
 Permitting Manager  
 923758 UPAJLP

PUBLISHED ON Start 12/13/2013 End 12/13/2013

SIGNATURE 

DATE 12/13/2013

VIRGINIA CRAFT  
 Notary Public State of Utah  
 Commission # 581469  
 My Commission Expires  
 January 2, 2014

  
 NOTARY SIGNATURE

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

2210/REB/4131

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

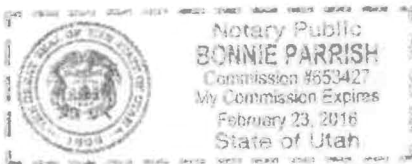
Subscribed and sworn to before me on this

23 day of December, 20 13

by Kevin Ashby.



Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street,

Continued on next page

Continued from previous page

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:

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API 43-013-33846

State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East

API 43-013-33853

Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East

API 43-013-30650

Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33033

Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East

API 43-013-33035

Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East

API 43-013-32922

Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33063

Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33100

Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33102

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South,

Range 16 East

API 43-013-33102

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South,

Range 16 East

API 43-013-33102

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South,

Range 16 East

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) 535-5340. 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 intervenors should be prepared to demonstrate at a hearing how their interests are affected by the proposed action.

Dated this 11th day of December, 2013  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
Published in the  
Uintah Basin Standard  
December 17, 2013

RECEIVED  
DEC 24 2013

DIV. OF OIL, GAS & MINING

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33161

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

API 43-013-33163

Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33107

Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33019

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

API 43-013-33069

Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33023

Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33343

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.

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

**Applicant:** Newfield Production Company      **Well:** Federal 8-20-9-16

**Location:** 20/9S/16E      **API:** 43-013-33107

**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 and the State of Utah. The Federal Government and the State of Utah are the mineral owners 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 leaseholders 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 314 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,934 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,066 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,520 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface location, there are 8 producing wells, 6 injection wells, 1 shut-in well, and 1 temporarily abandoned well in the AOR. In addition, there is 1 horizontal producing well, with a surface location outside the AOR and a bottom hole location inside the AOR and 1 directionally drilled well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there is 1 approved surface location inside the AOR for a horizontal well with a proposed bottom hole location outside the AOR. All existing wells within the AOR have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,893 feet and 5,880 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-20-9-16 well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,670 psig. The requested maximum pressure is 1,670 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 groundwater present should be adequately protected.

**Federal 8-20-9-16**

**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: 3/19/2014



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33102  
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API 43-013-33161  
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33163  
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33107  
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33019  
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33069  
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API 43-013-33023  
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33343

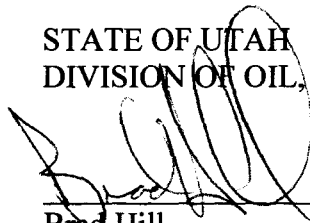
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Dated this 11th day of December, 2013.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
\_\_\_\_\_  
Brad Hill  
Permitting Manager

**Newfield Production Company**

**STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16,  
FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16,  
FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16,  
FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16,  
FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16,  
FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23,  
FEDERAL 8-23-9-16, FEDERAL 14-24-9-16**

**Cause No. UIC-415**

Publication Notices were sent to the following:

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

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

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

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

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

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

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

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
Governor

SPENCER J. COX  
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*

December 12, 2013

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-415

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

12/12/2013

State of Utah Mail - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415



Jean Sweet <[jsweet@utah.gov](mailto:jsweet@utah.gov)>

---

**Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415**

1 message

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**UB Standard Legals** <[ubslegals@ubmedia.biz](mailto:ubslegals@ubmedia.biz)>

Thu, Dec 12, 2013 at 1:22 PM

To: Jean Sweet <[jsweet@utah.gov](mailto:jsweet@utah.gov)>

On 12/12/2013 11:59 AM, Jean Sweet wrote:

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

–

Jean Sweet  
Executive Secretary  
Utah Division of Oil, Gas and Mining  
801-538-5329

This will publish Dec. 17. Thank you. Merry Christmas.  
Cindy



GARY R. HERBERT  
Governor

SPENCER J. COX  
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

December 12, 2013

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-415

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



12/12/2013

State of Utah Mail - Proof for Notice



Jean Sweet <jsweet@utah.gov>

---

## Proof for Notice

1 message

---

**Stowe, Ken** <naclegal@mediaoneutah.com>  
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>  
To: jsweet@utah.gov

Thu, Dec 12, 2013 at 12:34 PM

AD# 927358  
Run SL Trib & Des News 12/13  
Cost \$478.76  
Thank You

---

 **OrderConf.pdf**  
185K

**Order Confirmation for Ad #0000927358-01**

<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>	juliecarter@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$478.76</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$478.76</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	Newfield Cause UIC-4	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
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<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	12/13/2013	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	12/13/2013	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	12/13/2013	

**Order Confirmation  
for Ad #0000927358-01**

Ad Content Proof Actual Size



**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

December 5, 2013

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 #8-20-9-16  
Monument Butte Field, Lease #UTU-52018  
Section 20-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-20-9-16 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 "Jill L. Loyle".

Jill L. Loyle  
Regulatory Associate

**RECEIVED**

**DEC 06 2013**

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

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #8-20-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-52018**  
**DECEMBER 5, 2013**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #8-20-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #4-21-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #5-21-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #6-21-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #12-21-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #16-20-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #9-20-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #10-20-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #11-20-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #7-20-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #1-20-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – MONUMENT FEDERAL #22-20-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – NGC FEDERAL #31-20G-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – GMB #3-16-9-16H
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 6/29/2007 – 7/10/2007
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

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 #8-20-9-16  
Field or Unit name: Monument Butte (Green River) Lease No. UTU-52018  
Well Location: QQ SENE section 20 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes  No   
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes  No   
Disposal? . . . . . Yes  No   
Storage? . . . . . Yes  No   
Is this application for a new well to be drilled? . . . . . Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-013-33107

Proposed injection interval: from 3893 to 5880  
Proposed maximum injection: rate 500 bpd pressure 1670 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: Jill L. Loyle Signature *Jill L. Loyle*  
Title: Regulatory Associate Date: 12/5/13  
Phone No. 303-383-4135

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

Comments:

# FEDERAL 8-20-9-16

Spud Date: 06/05/07  
 Put on Production: 07/09/07  
 GL: 6055' KB: 6067'

## Proposed Injection Wellbore Diagram

### SURFACE CASING

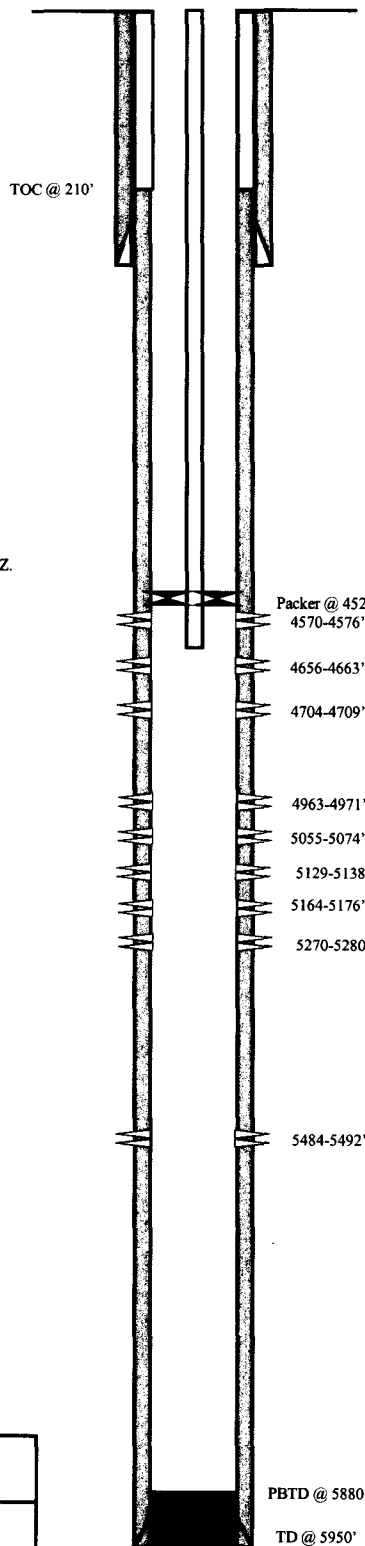
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.95')  
 DEPTH LANDED: 313.8' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5920.75')  
 DEPTH LANDED: 5934.00' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP: 210' per CBL 6/28/07

### TUBING (GI 5/21/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 174 jts (5422.26')  
 TUBING ANCHOR: 5434.26' KB  
 NO. OF JOINTS: 1 jt (31.65')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5468.71' KB  
 NO. OF JOINTS: 2 jts (62.72')  
 TOTAL STRING LENGTH: EOT @ 5532.98' KB



### FRAC JOB

07/02/07	5484-5492'	<b>Frac CP1 sands as follows:</b> 15470# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 5482 gal. Actual flush: 4981 gal.
07/02/07	5270-5280'	<b>Frac LODC sands as follows:</b> 29548# 20/40 sand in 365 bbls Lightning 17 frac fluid. Treated @ avg press of 2397 psi w/avg rate of 24.4 BPM. ISIP 2486 psi. Calc flush: 5268 gal. Actual flush: 4796 gal.
07/02/07	5129-5176'	<b>Frac LODC sands as follows:</b> 4712# 20/40 sand in 389 bbls Lightning 17 frac fluid. Blender Broke. Need to Refrac. ISIP 2340 psi. Calc. flush: 5127 gal. Actual flush: 5292 gal.
07/03/07	5129-5176'	<b>Frac LODC sands as follows:</b> 95147# 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 2554 psi w/avg rate of 24 BPM. ISIP 2775 psi. Calc flush: 5127 gal. Actual flush: 4662 gal.
07/03/07	5055-5074'	<b>Frac LODC sands as follows:</b> 71220# 20/40 sand in 719 bbls Lightning 17 frac fluid. Treated @ avg press of 2372 psi w/avg rate of 24.3 BPM. ISIP 2680 psi. Calc flush: 5053 gal. Actual flush: 5095 gal.
07/03/07	4963-4971'	<b>Frac A1 sands as follows:</b> 40277# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 2725 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc flush: 4961 gal. Actual flush: 4452 gal.
07/05/07	4656-4663'	<b>Frac D3&amp;C sands as follows:</b> 29723# 20/40 sand in 376 bbls Lightning 17 frac fluid. Treated @ avg press of 1630 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
07/05/07	4704-4709'	
07/05/07	4570-4576'	<b>Frac D1 sands as follows:</b> 42080# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 1829 psi w/avg rate of 24.4 BPM. ISIP 1875 psi. Calc flush: 4568 gal. Actual flush: 4494 gal.
2/10/09	5129-5138'	Pump Change. Updated r & t details.
5/26/2010	5164-5176'	Tubing leak. Updated rod and tubing detail.
	5270-5280'	

### PERFORATION RECORD

06/28/07	5484-5492'	4 JSPF	32 holes
07/02/07	5270-5280'	4 JSPF	40 holes
07/02/07	5164-5176'	4 JSPF	48 holes
07/02/07	5129-5138'	4 JSPF	36 holes
07/03/07	5055-5074'	4 JSPF	76 holes
07/03/07	4963-4971'	4 JSPF	32 holes
07/03/07	4704-4709'	4 JSPF	20 holes
07/03/07	4656-4663'	4 JSPF	28 holes
07/05/07	4570-4576'	4 JSPF	24 holes

**NEWFIELD**

**FEDERAL 8-20-9-16**  
 2133' FNL & 746' FEL  
 SE/NE Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33107; Lease # UTU-52018

## 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 #8-20-9-16 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 #8-20-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3893' - 5880'). 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 3571' and the TD is at 5950'.

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

The referenced log for the Federal #8-20-9-16 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-52018) 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 314' KB, and 5-1/2", 15.5# casing run from surface to 5934' 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.

**2.8 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 1670 psig.

**2.9 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 #8-20-9-16, for existing perforations (4570' - 5492') calculates at 0.80 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 1670 psig. We may add additional perforations between 3571' and 5950'. See Attachments G and G-1.

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

In the Federal #8-20-9-16, the proposed injection zone (3893' - 5880') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 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-13.

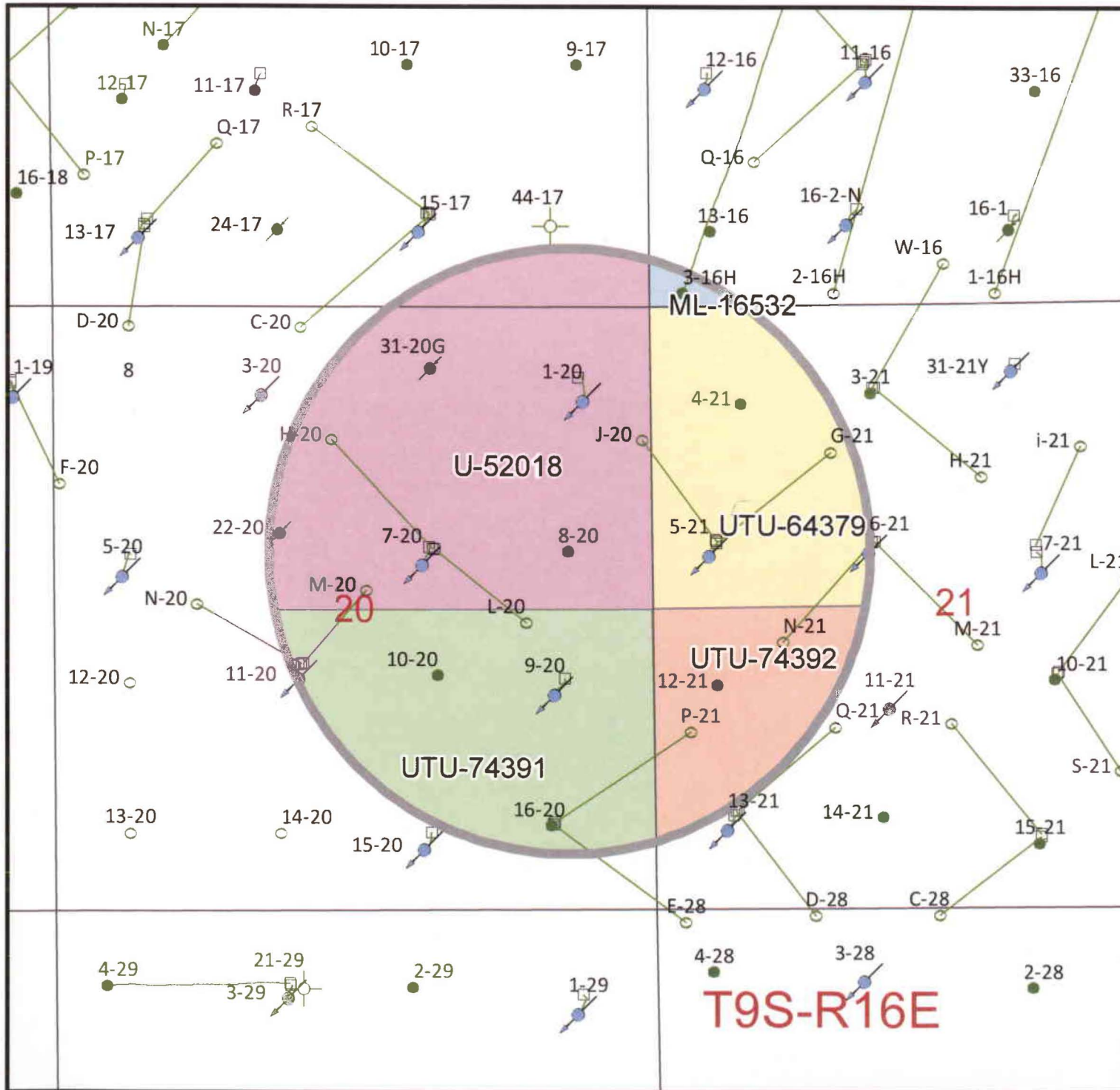
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

**2.12 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.

**2.13 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.



- Lease Number**
- ML-16532
  - U-52018
  - UTU-64379
  - UTU-74391
  - UTU-74392
- 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
  - Well Surface Location

Federal 8-20-9-16  
Section 20, T9S-R16E

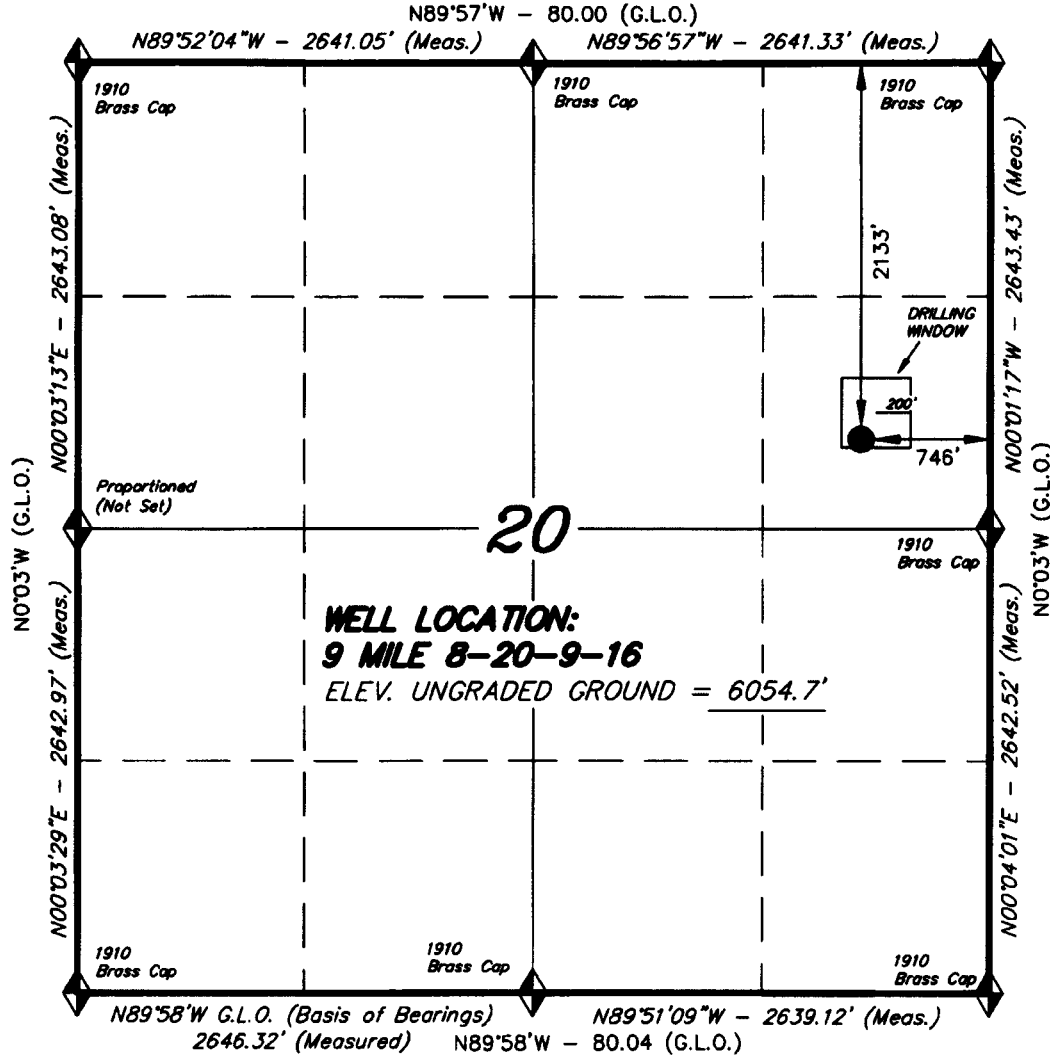


1/2 Mile Radius Map  
Duchesne County

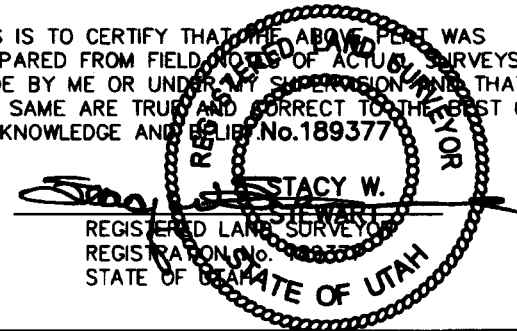
**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, 9 MILE 8-20-9-16,  
LOCATED AS SHOWN IN THE SE 1/4 NE  
1/4 OF SECTION 20, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE REPORT 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)

**9 MILE 8-20-9-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 01' 03.95"  
LONGITUDE = 110° 08' 11.16"

**TRI STATE LAND SURVEYING & CONSULTING**

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

DATE SURVEYED: 03-09-06	SURVEYED BY: C.M.
DATE DRAWN: 03-14-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**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 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
2	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3, 4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
4	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

5 T9S-616E SLM  
Section 16: All

State of Utah  
ML 16532  
HBP

Newfield RMI LLC  
QEP Energy Company  
El Paso E&P Company LP  
American Petroleum Corp  
Brave River Production  
Trans Republic Resources Inc

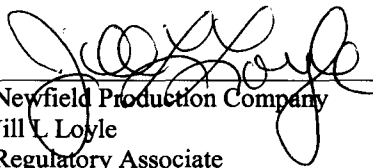
State of Utah

ATTACHMENT C

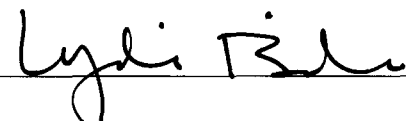
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #8-20-9-16

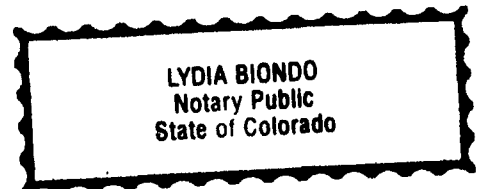
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Jill L. Loyle  
Regulatory Associate

Sworn to and subscribed before me this 5<sup>th</sup> day of December, 2013.

Notary Public in and for the State of Colorado: 

My Commission Expires: 12/31/15



## FEDERAL 8-20-9-16

Spud Date: 06/05/07  
 Put on Production: 07/09/07  
 GL: 6055' KB: 6067'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.95')  
 DEPTH LANDED: 313.8' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

#### PRODUCTION CASING

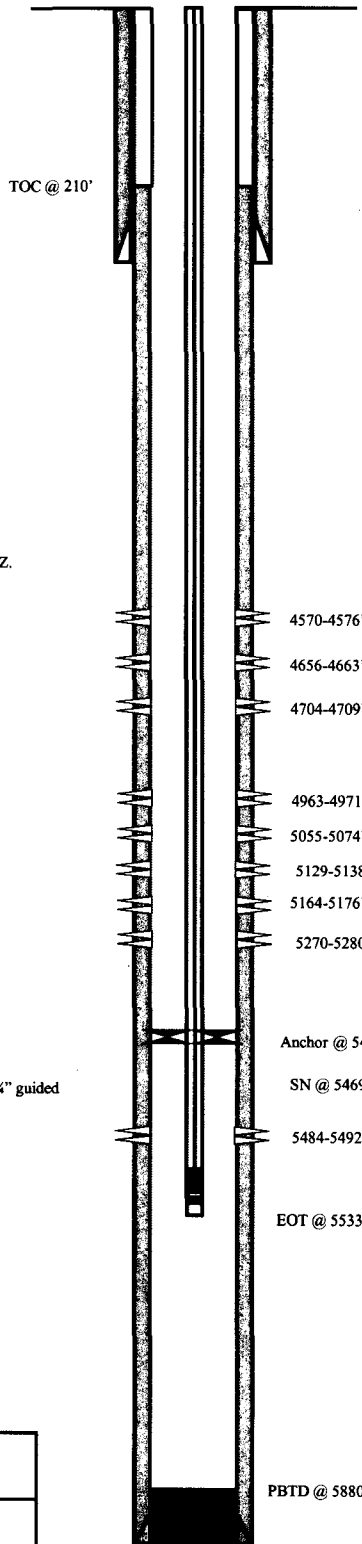
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5920.75')  
 DEPTH LANDED: 5934.00' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP: 210' per CBL 6/28/07

#### TUBING (GI 5/21/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 174 jts (5422.26')  
 TUBING ANCHOR: 5434.26' KB  
 NO. OF JOINTS: 1 jt (31.65')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5468.71' KB  
 NO. OF JOINTS: 2 jts (62.72')  
 TOTAL STRING LENGTH: EOT @ 5532.98' KB

#### SUCKER RODS (GI 5/21/10)

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 100 x 3/4" guided rods, 58 x 3/4" sucker rods, 54 x 3/4" guided rods, 6 x 1-1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4.0  
 PUMPING UNIT: WEATHERFORD C-228-213-86



#### FRAC JOB

07/02/07	5484-5492'	<b>Frac CP1 sands as follows:</b> 15470# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 5482 gal. Actual flush: 4981 gal.
07/02/07	5270-5280'	<b>Frac LODC sands as follows:</b> 29548# 20/40 sand in 365 bbls Lightning 17 frac fluid. Treated @ avg press of 2397 psi w/avg rate of 24.4 BPM. ISIP 2486 psi. Calc flush: 5268 gal. Actual flush: 4796 gal.
07/02/07	5129-5176'	<b>Frac LODC sands as follows:</b> 4712# 20/40 sand in 389 bbls Lightning 17 frac fluid. Blender Broke. Need to Refrac. ISIP 2340 psi. Calc flush: 5127 gal. Actual flush: 5292 gal.
07/03/07	5129-5176'	<b>Frac LODC sands as follows:</b> 95147# 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 2554 psi w/avg rate of 24 BPM. ISIP 2775 psi. Calc flush: 5127 gal. Actual flush: 4662 gal.
07/03/07	5055-5074'	<b>Frac LODC sands as follows:</b> 71220# 20/40 sand in 719 bbls Lightning 17 frac fluid. Treated @ avg press of 2372 psi w/avg rate of 24.3 BPM. ISIP 2680 psi. Calc flush: 5053 gal. Actual flush: 5095 gal.
07/03/07	4963-4971'	<b>Frac A1 sands as follows:</b> 40277# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 2725 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc flush: 4961 gal. Actual flush: 4452 gal.
07/05/07	4656-4709'	<b>Frac D3&amp;C sands as follows:</b> 29723# 20/40 sand in 376 bbls Lightning 17 frac fluid. Treated @ avg press of 1630 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
07/05/07	4570-4576'	<b>Frac D1 sands as follows:</b> 42080# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 1829 psi w/avg rate of 24.4 BPM. ISIP 1875 psi. Calc flush: 4568 gal. Actual flush: 4494 gal.
2/10/09	5129-5138'	Pump Change. Updated r & t details.
5/26/2010	5164-5176'	Tubing leak. Updated rod and tubing detail.
	5270-5280'	

#### PERFORATION RECORD

06/28/07	5484-5492'	4 JSPF	32 holes
07/02/07	5270-5280'	4 JSPF	40 holes
07/02/07	5164-5176'	4 JSPF	48 holes
07/02/07	5129-5138'	4 JSPF	36 holes
07/03/07	5055-5074'	4 JSPF	76 holes
07/03/07	4963-4971'	4 JSPF	32 holes
07/03/07	4704-4709'	4 JSPF	20 holes
07/03/07	4656-4663'	4 JSPF	28 holes
07/05/07	4570-4576'	4 JSPF	24 holes

**NEWFIELD**

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**FEDERAL 8-20-9-16**

2133'FNL & 746' FEL

SE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33107; Lease # UTU-52018

TD @ 5950'



## Federal 4-21-9-16

Spud Date: 10-25-06  
 Put on Production: 12-12-06  
 GL: 5991' KB: 6003'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310.54')  
 DEPTH LANDED: 322.39' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

Cement top @ 110'

#### PRODUCTION CASING

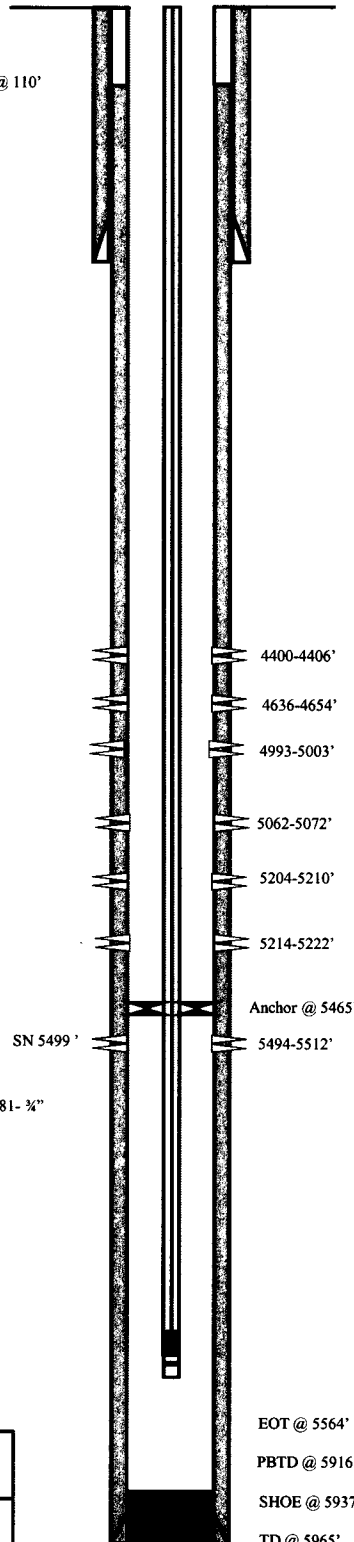
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts (5924.58')  
 DEPTH LANDED: 5937.83' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ.  
 CEMENT TOP AT: 110'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5453.00')  
 TUBING ANCHOR: 5465.00' KB  
 NO. OF JOINTS: 1 jts (31.52')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5499.32' KB  
 NO. OF JOINTS: 2 jts (63.04')  
 TOTAL STRING LENGTH: EOT @ 5563.91' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2', 4', 6', 8' x 3/4" pony rods, 99- 3/4" guided rods, 81- 3/4" plain rods, 32- 3/4" guided rods, 6- 1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM



#### FRAC JOB

12-04-06	5494-5512'	<b>Frac CPI sands as follows:</b> 5213# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25 BPM. ISIP 2550 psi. Calc flush: 5492 gal. Actual flush: 10458 gal.
12-04-06	5204-5222'	<b>Frac LODC sands as follows:</b> 23667# 20/40 sand in 320 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 25 BPM. ISIP 2850 psi. Calc flush: 5202 gal. Actual flush: 4704 gal.
12-05-06	4993-5072'	<b>Frac A3, A1 sands as follows:</b> 117759# 20/40 sand in 829 bbls Lightning 17 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 4991 gal. Actual flush: 4704 gal.
12-05-06	4636-4654'	<b>Frac DS2 sands as follows:</b> 80794# 20/40 sand in 588 bbls Lightning 17 frac fluid. Treated @ avg press of 1519 w/ avg rate of 25 BPM. ISIP 2000 psi. Calc flush: 4634 gal. Actual flush: 4158 gal.
12-05-06	4400-4406'	<b>Frac PB11 sands as follows:</b> 20165# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2077 w/ avg rate of 25 BPM. ISIP 1720 psi. Calc flush: 4398 gal. Actual flush: 4284 gal.
11/13/08		Parted rods. Updated rod & tubing details.

#### PERFORATION RECORD

Date	Interval	Tool	Holes
11-29-06	5494-5512'	4 JSPF	72 holes
12-04-06	5214-5222'	4 JSPF	32 holes
12-04-06	5204-5210'	4 JSPF	24 holes
12-04-06	5062-5072'	4 JSPF	40 holes
12-04-06	4993-5003'	4 JSPF	40 holes
12-05-06	4636-4654'	4 JSPF	72 holes
12-05-06	4400-4406'	4 JSPF	24 holes

**NEWFIELD**

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**Federal 4-21-9-16**

851' FNL & 782' FWL

NW/NW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33069; Lease # UTU-64379

## Federal 5-21-9-16

Spud Date: 10/21/06  
 Put on Production: 12/02/06  
 K.B.: 6048' G.L.: 6036'

### Injection Wellbore Diagram

#### SURFACE CASING

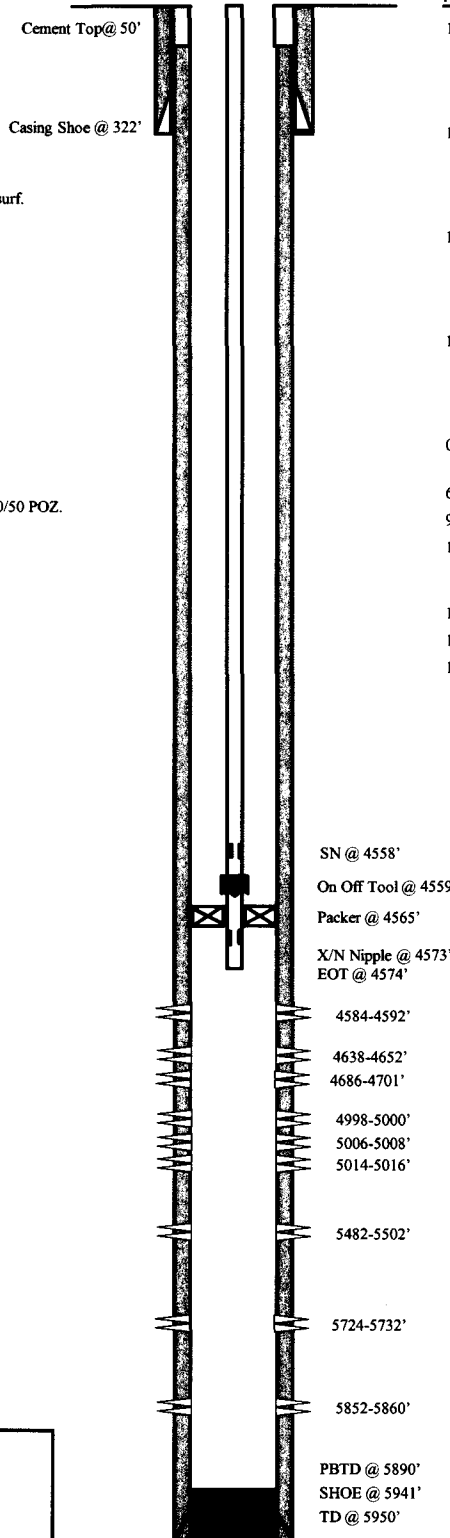
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.62')  
 DEPTH LANDED: 322.47' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5927.96')  
 DEPTH LANDED: 5941.21' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 50'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4545.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4557.8' KB  
 ON/OFF TOOL AT: 4558.9'  
 ARROW #1 PACKER CE AT: 4564.8'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4567.7'  
 TBG PUP 2-3/8 J-55 AT: 4568.2'  
 X/N NIPPLE AT: 4572.3'  
 TOTAL STRING LENGTH: EOT @ 4574'



#### FRAC JOB

11/22/06	5852-5860'	<b>Frac CP5 sands as follows:</b> 24030# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated @ avg press of 2590 psi w/avg rate of 24.8 BPM. ISIP 2850 psi. Calc flush: 5858 gal. Actual flush: 5334 gal.
11/22/06	5724-5732'	<b>Frac CP4 sands as follows:</b> 37476# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2400 psi w/avg rate of 24.9 BPM. ISIP 2500 psi. Calc flush: 5730 gal. Actual flush: 5216 gal.
11/22/06	5482-5502'	<b>Frac CP1 sands as follows:</b> 56615# 20/40 sand in 467 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 5500 gal. Actual flush: 4977 gal.
11/24/06	4584-4652'	<b>Frac D1, D2 sands as follows:</b> 156867# 20/40 sand in 1002 bbls Lightning 17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 25.1 BPM. ISIP 1960 psi. Calc flush: 4650 gal. Actual flush: 4494 gal.
03/21/07		<b>Pump Change:</b> Updated rod and tubing detail.
6/1/2010		<b>Pump change.</b> Updated rod and tubing detail.
9/7/2010		<b>Pump change.</b> Updated rod and tubing detail.
10/22/10	4998-5016'	<b>Frac A3 sands as follows:</b> 61766# 20/40 sand in 501 bbls Lightning 17 frac fluid.
10/25/10		<b>Re-Completion Finalized</b>
12/13/12		<b>Convert to Injection Well</b>
12/14/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

11/09/06	5852-5860'	4 JSPF	32 holes
11/22/06	5724-5732'	4 JSPF	32 holes
11/22/06	5482-5502'	4 JSPF	80 holes
11/24/06	4686-4701'	4 JSPF	60 holes
11/24/06	4638-4652'	4 JSPF	56 holes
11/24/06	4584-4592'	4 JSPF	32 holes
10/22/10	5014-5016'	3 JSPF	6 holes
10/22/10	5006-5008'	3 JSPF	6 holes
10/22/10	4998-5000'	3 JSPF	6 holes

**NEWFIELD**



**Federal 5-21-9-16**  
 2033' FNL & 551' FWL  
 SW/NW Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33020; Lease # UTU-64379

Spud Date: 10/22/06  
 Put on Production: 12/07/06  
 GL: 6019' KB: 6031'

## Federal 6-21-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

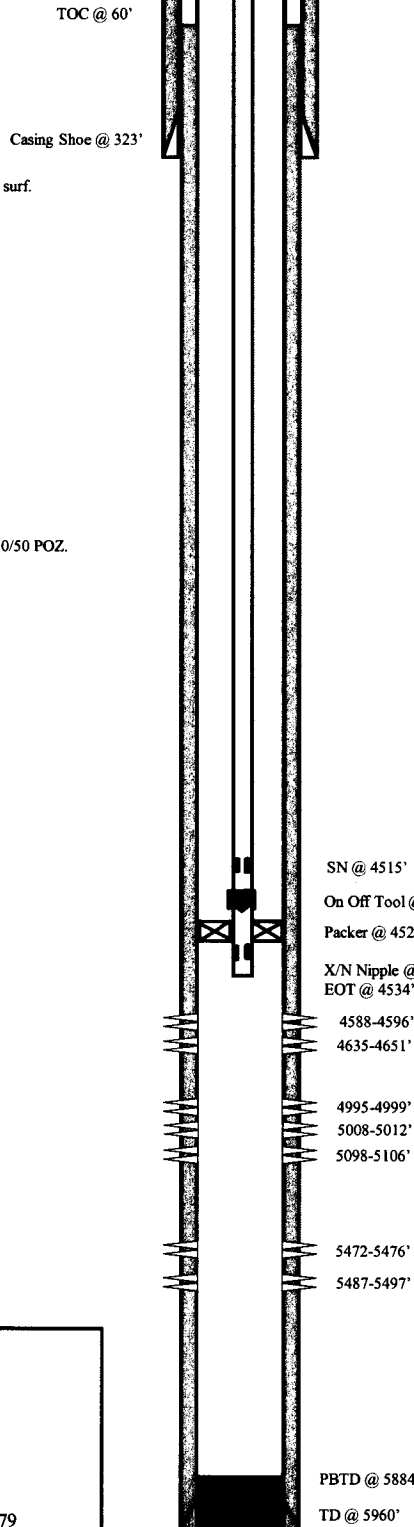
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.77')  
 DEPTH LANDED: 322.62' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 134 jts. (5916.95')  
 DEPTH LANDED: 5930.20' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 60'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 144 jts (4150.5')  
 STRETCH (1.2)  
 NO. OF JOINTS: 1 jts (1.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4514.9' KB  
 ON/OFF TOOL AT: 4517.8'  
 ARROW #1 PACKER CE AT: 4524'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4527.7'  
 TBG PUP 2-3/8 J-55 AT: 4528.2'  
 X/N NIPPLE AT: 4532.3'  
 TOTAL STRING LENGTH: EOT @ 4533.9'



#### FRAC JOB

11/28/06 5497-5472' **Frac CP1 sands as follows:**  
 60318# 20/40 sand in 517 bbls Lightning 17 frac fluid. Treated @ avg press of 2202 psi w/avg rate of 25.0 BPM. ISIP 3010 psi. Calc flush: 5495 gal. Actual flush: 4964 gal.

11/28/06 5098-5106' **Frac LODC sands as follows:**  
 19850# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2154 psi w/avg rate of 14.3 BPM. ISIP 2720 psi. Calc flush: 5096 gal. Actual flush: 4590 gal.

11/28/06 4651-4588' **Frac D1 & D2 sands as follows:**  
 126303# 20/40 sand in 857 bbls Lightning 17 frac fluid. Treated @ avg press of 1655 psi w/avg rate of 24.8 BPM. ISIP 1880 psi. Calc flush: 4649 gal. Actual flush: 4494 gal.

03/15/07 **Pump Change.** Update rod and tubing details.

11/11/10 4995-5012' **Frac A3 sands as follows:** 32618# 20/40 sand in 283 bbls Lightning 17 fluid.

11/17/10 **Re-Completion finalized** - updated tbg and rod details

4/7/2011 **Pump Change.** Rod & tubing detail updated.

07/24/13 **Convert to Injection Well**

07/30/13 **Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

Date	Interval	JSPF	Holes
11/28/06	5487-5497'	4 JSPF	40 holes
11/28/06	5472-5476'	4 JSPF	16 holes
11/28/06	5098-5106'	4 JSPF	32 holes
11/28/06	4635-4651'	4 JSPF	64 holes
11/28/06	4588-4596'	4 JSPF	32 holes
11/11/10	5008-5012'	3 JSPF	12 holes
11/11/10	4995-4999'	3 JSPF	12 holes

**NEWFIELD**

**Federal 6-21-9-16**  
 2159' FNL & 1887' FWL  
 SE/NW Section 21-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33021; Lease #UTU-64379

## Federal 12-21-9-16

Spud Date: 7-30-07  
 Put on Production: 8-28-07  
 GL: 6054' KB: 6066'

Initial Production: BOPD,  
 MCFD, BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.22')  
 DEPTH LANDED: 313.23' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 149 jts (6047.38')  
 DEPTH LANDED: 6061.02' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 152'

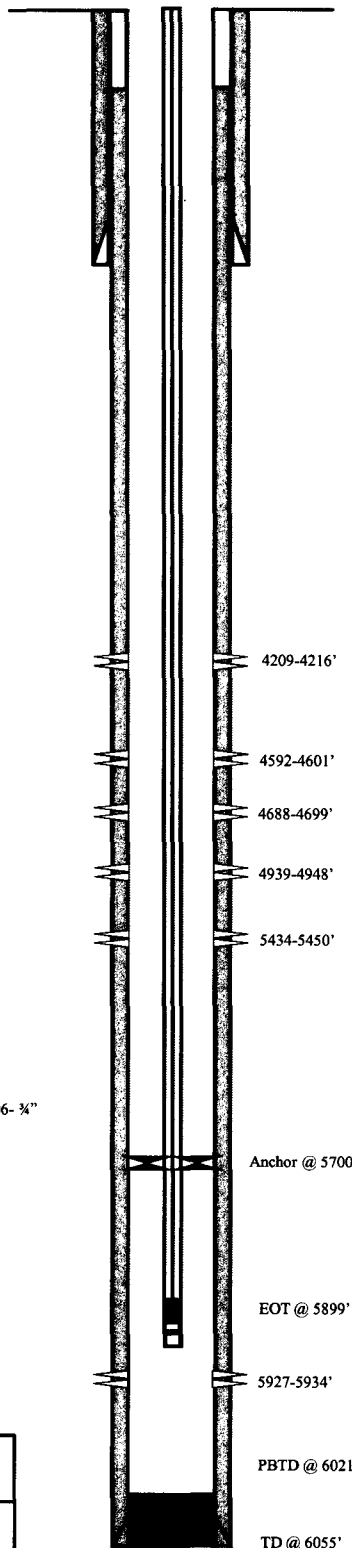
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 181 jts (5688.)  
 TUBING ANCHOR: 5700.' KB  
 NO. OF JOINTS: 2 jts (63.00')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5766.' KB  
 NO. OF JOINTS: 1 jts (31.50')  
 GAS ANCHOR: 5799  
 NO. OF JOINTS: 3 jts (94.6)  
 TOTAL STRING LENGTH: EOT @ 5899' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-4', 1-8' X 3/4" Pony Rods, 99- 3/4" guided rods, 106- 3/4" plain rods, 19- 3/4" guided rods, 6-1 1/2" sinker bars.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

### Wellbore Diagram



### FRAC JOB

Date	Job ID	Description
08-24-07	5927-5934'	<b>Frac BSLS sands as follows:</b> 29629# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 24.7 BPM. ISIP 2025 psi. Calc flush: 5925 gal. Actual flush: 5376 gal.
08-24-07	5434-5450'	<b>Frac CP1 sands as follows:</b> 70328# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 24.7 BPM. ISIP 2435 psi. Calc flush: 5432 gal. Actual flush: 4872 gal.
08-24-07	4939-4948'	<b>Frac A3 sands as follows:</b> 39870# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 4937 gal. Actual flush: 4410 gal.
08-24-07	4688-4699'	<b>Frac C sand as follows:</b> 47661# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 1903 w/ avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4686 gal. Actual flush: 4221 gal.
08-24-07	4592-4601'	<b>Frac D2 sand as follows:</b> 48185# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated @ avg press of 1687 w/ avg rate of 24.7 BPM. ISIP 1740 psi. Calc flush: 4590 gal. Actual flush: 4074 gal.
08-24-07	4209-4216'	<b>Frac pb8 sand as follows:</b> 37092# 20/40 sand in 322 bbls Lightning 17 frac fluid. Treated @ avg press of 2218 w/ avg rate of 24.7 BPM. ISIP 3225 psi. Calc flush: 4207 gal. Actual flush: 1718 gal.
12-12-07		Pump Change. Updated rod & tubing details.
10/26/09		Pump Change. Updated rod & tubing details.
10/14/11		Pump Change. Updated rod & tubing details.

### PERFORATION RECORD

Date	Job ID	Tool	Holes
08-20-07	5927-5934'	4 JSPF	28 holes
08-24-07	5434-5450'	4 JSPF	64 holes
08-24-07	4939-4948'	4 JSPF	36 holes
08-24-07	4688-4699'	4 JSPF	44 holes
08-24-07	4592-4601'	4 JSPF	36 holes
08-24-07	4209-4216'	4 JSPF	28 holes

**NEWFIELD**

**Federal 12-21-9-16**

1952' FSL & 557' FWL

NW/SW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33143; Lease # UTU-74392

## FEDERAL 16-20-9-16

Spud Date: 05/29/07  
 Put on Production: 08/21/07  
 GL: 6129' KB: 6141'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (295.42')  
 DEPTH LANDED: 306.32' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 155 jts. (5977.37')  
 DEPTH LANDED: 5978.62' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

#### TUBING

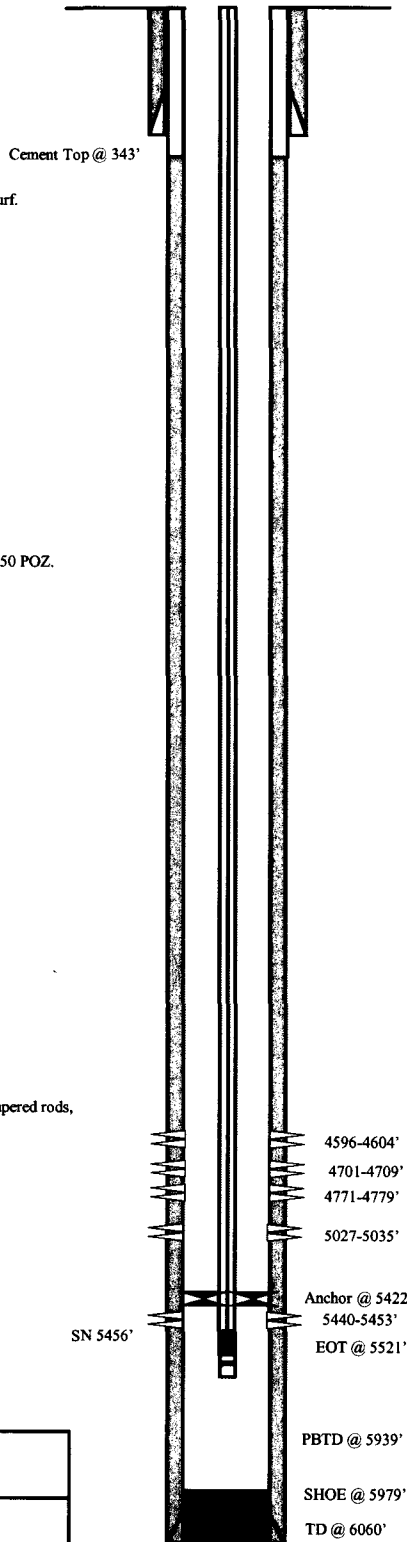
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 172 jts (5410.01')  
 TUBING ANCHOR: 5422.01' KB  
 NO. OF JOINTS: 1 jts (31.47')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5456.28' KB  
 NO. OF JOINTS: 2 jts (63.01')  
 TOTAL STRING LENGTH: EOT @ 5520.84' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-2' & 1-8' x 7/8" pony rods, 100-3/4" scraped rods,  
 92-3/4" plain rods, 20-3/4" scraped rods  
 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 18' RHAC  
 STROKE LENGTH: 102"  
 PUMP SPEED, 5 SPM:

#### FRAC JOB

08/13/07	5440-5453'	<b>Frac CP1 sands as follows:</b> 29557# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2090 psi w/avg rate of 24.5 BPM. ISIP 2215 psi. Calc flush: 5438 gal. Actual flush: 4956 gal.
08/16/07	5027-5035'	<b>Frac LODC sands as follows:</b> 19063# 20/40 sand in 311 bbls Lightning 17 frac fluid. Treated @ avg press of 2091 psi w/avg rate of 24.8 BPM. ISIP 2350 psi. Calc flush: 5025 gal. Actual flush: 4536 gal.
08/16/07	4771-4779'	<b>Frac B1 sands as follows:</b> 46260# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2079 psi w/avg rate of 24.8 BPM. ISIP 1940 psi. Calc flush: 4769 gal. Actual flush: 4326 gal.
08/16/07	4701-4709'	<b>Frac C sands as follows:</b> 108507# 20/40 sand in 795 bbls Lightning 17 frac fluid. Treated @ avg press of 2113 psi w/avg rate of 24.8 BPM. ISIP 1995 psi. Calc flush: 4698 gal. Actual flush: 4200 gal.
08/16/07	4596-4604'	<b>Frac D2 sands as follows:</b> 44879# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2001 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc flush: 4594 gal. Actual flush: 4536 gal.



#### PERFORATION RECORD

08/07/07	5440-5453'	4 JSPF	52 holes
08/16/07	5027-5035'	4 JSPF	32 holes
08/16/07	4771-4779'	4 JSPF	32 holes
08/16/07	4701-4709'	4 JSPF	32 holes
08/16/07	4596-4604'	4 JSPF	32 holes

**NEWFIELD**

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**FEDERAL 16-20-9-16**

716' FSL & 920' FEL

SE/SE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33109; Lease # UTU-74391

## Federal 9-20-9-16

Spud Date: 6-14-07  
 Put on Production: 8-23-07  
 GL: 6095' KB: 6107'

### Injection Wellbore Diagram

#### SURFACE CASING

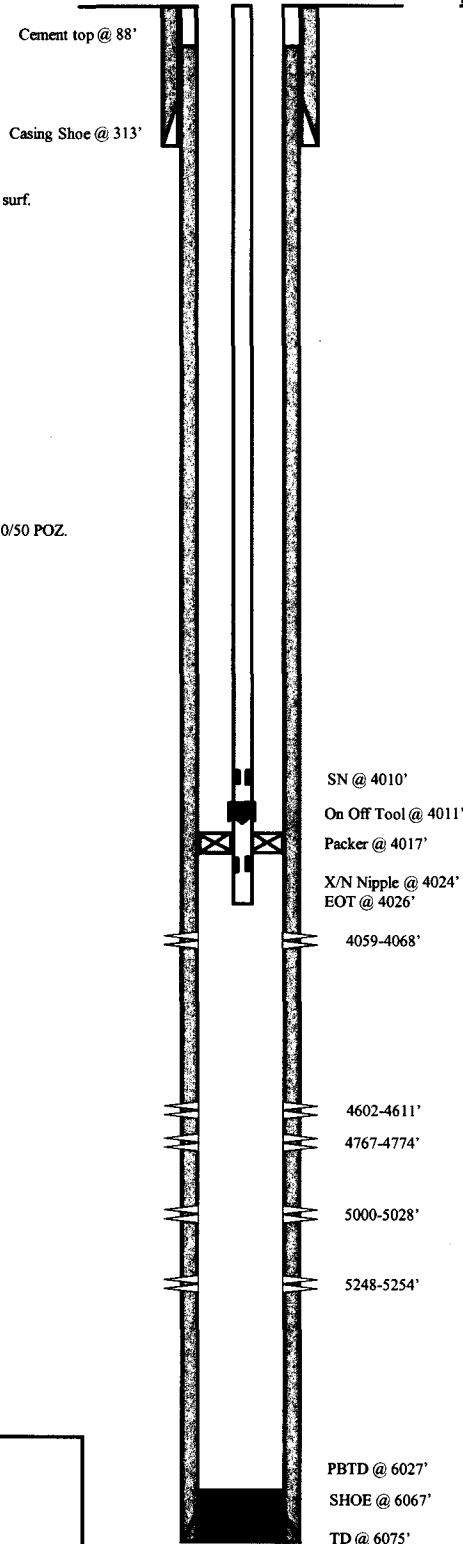
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.22')  
 DEPTH LANDED: 313.12' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts (6053.98')  
 DEPTH LANDED: 6067.23' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 88'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 127 jts (3997.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4009.8' KB  
 ON/OFF TOOL AT: 4010.9'  
 ARROW #1 PACKER CE AT: 4016.8'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4019.7'  
 TBG PUP 2-3/8 J-55 AT: 4020.2'  
 X/N NIPPLE AT: 4024.3'  
 TOTAL STRING LENGTH: EOT @ 4026'



#### FRAC JOB

08-17-07	5248-5254'	<b>Frac LODC sands as follows:</b> 14994# 20/40 sand in 282 bbls Lightning 17 frac fluid. Treated @ avg press of 2477 psi w/avg rate of 24.8 BPM. ISIP 2540 psi. Calc flush: 5246 gal. Actual flush: 4704 gal.
08-17	5000-5028'	<b>Frac LODC sands as follows:</b> 151355# 20/40 sand in 1050 bbls Lightning 17 frac fluid. Treated @ avg press of 1647 psi w/avg rate of 24.8 BPM. ISIP 2100 psi. Calc flush: 4998 gal. Actual flush: 4494 gal.
08-17-07	4764-4774'	<b>Frac B.5 sands as follows:</b> 19761# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 2232 psi w/avg rate of 24.8 BPM. ISIP 4148 psi. Calc flush: 4762 gal. Actual flush: 3839 gal.
08-17-07	4602-4611'	<b>Frac D2 sand as follows:</b> 45991# 20/40 sand in 435 bbls Lightning 17 frac fluid. Treated @ avg press of 2094 w/ avg rate of 24.8 BPM. ISIP 1850 psi. Calc flush: 4600 gal. Actual flush: 4515 gal.
2/1/2010		<b>Pump change.</b> Updated rod and tubing detail.
12/05/12	4059-4068'	<b>Frac GB4 sand as follows:</b> 21580# 20/40 sand in 250 bbls Lightning 17 frac fluid.
12/06/12		<b>Convert to Injection Well</b>
12/11/12		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

08-13-07	5248-5254'	4 JSPF	24 holes
08-17-07	5000-5028'	4 JSPF	112 holes
08-17-07	4767-4774'	4 JSPF	28 holes
08-17-07	4602-4611'	4 JSPF	36 holes
12/04/12	4059-4068'	3 JSPF	27 holes

**NEWFIELD**



**Federal 9-20-9-16**  
 2011' FSL & 789' FEL  
 NE/SE Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33068; Lease # UTU-74391

## Federal 10-20-9-16

Spud Date: 7-25-07  
 Put on Production: 8-31-07  
 GL: 6105' KB: 6117'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (303.36')  
 DEPTH LANDED: 315.21' 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: 155 jts. (5927.26')  
 DEPTH LANDED: 5943.51' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 226'

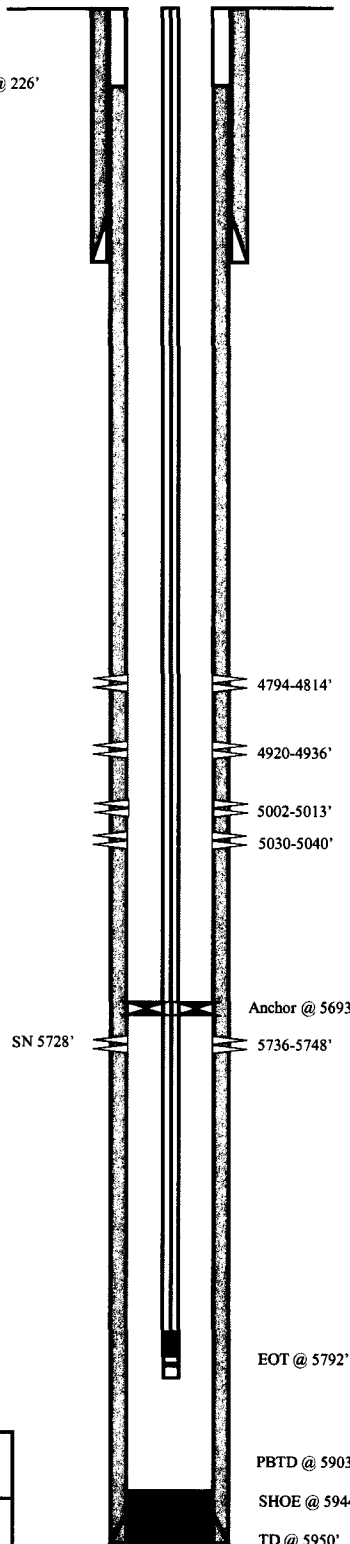
#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 181 jts (5693')  
 TUBING ANCHOR: 5693' KB  
 NO. OF JOINTS: 1 jts (31.6')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5728.4' KB  
 NO. OF JOINTS: 2 jts (63.0')  
 TOTAL STRING LENGTH: EOT @ 5792.90' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 2-16' 1-4' 1-2' x 3/4" pony sub, 222-3/4' guided rods (103new), 6-1 1/2" weight bars  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger  
 STROKE LENGTH: 120"  
 PUMP SPEED, SPM: 5 SPM

Cement top @ 226'



#### FRAC JOB

08-29-07 5736-5748' **Frac CP5 sands as follows:**  
 45032# 20/40 sand in 460 bbls Lightning 17 frac fluid. Treated @ avg press of 2371 psi w/avg rate of 24.7 BPM. ISIP 2395 psi. Calc flush: 5971 gal. Actual flush: 5145 gal.

08-29-07 5002-5040' **Frac LODC sands as follows:**  
 89993# 20/40 sand in 694 bbls Lightning 17 frac fluid. Treated @ avg press of 1981 psi w/avg rate of 24.7 BPM. ISIP 2506 psi. Calc flush: 5000 gal. Actual flush: 4507 gal.

08-29-07 4920-4936' **Frac A1 sands as follows:**  
 114939# 20/40 sand in 845 bbls Lightning 17 frac fluid. Treated @ avg press of 1896 psi w/avg rate of 24.7 BPM. ISIP 2218 psi. Calc flush: 4918 gal. Actual flush: 4410 gal.

08-29-07 4794-4814' **Frac B2 sand as follows:**  
 80966# 20/40 sand in 672 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 w/ avg rate of 24.7 BPM. ISIP 2205 psi. Calc flush: 4792 gal. Actual flush: 4704 gal.

05/28/08 **Tbg leak.** Updated tubing and rod detail

6/10/2010 **Parted rods.** Update rod and tubing details

#### PERFORATION RECORD

Date	Interval	Tool	Holes
08-24-07	5736-5748'	4 JSPF	48 holes
08-29-07	5030-5040'	4 JSPF	40 holes
08-29-07	5002-5013'	4 JSPF	44 holes
08-29-07	4920-4936'	4 JSPF	64 holes
08-29-07	4794-4814'	4 JSPF	80 holes

**NEWFIELD**

**Federal 10-20-9-16**

2041' FSL & 1892' FEL

NW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33108; Lease # UTU-74391

## Federal 11-20-9-16

Spud Date: 11/29/05  
 Put on Production: 11/17/06  
 K.B.: 6154, G.L.: 6142

### Injection Wellbore Diagram

#### SURFACE CASING

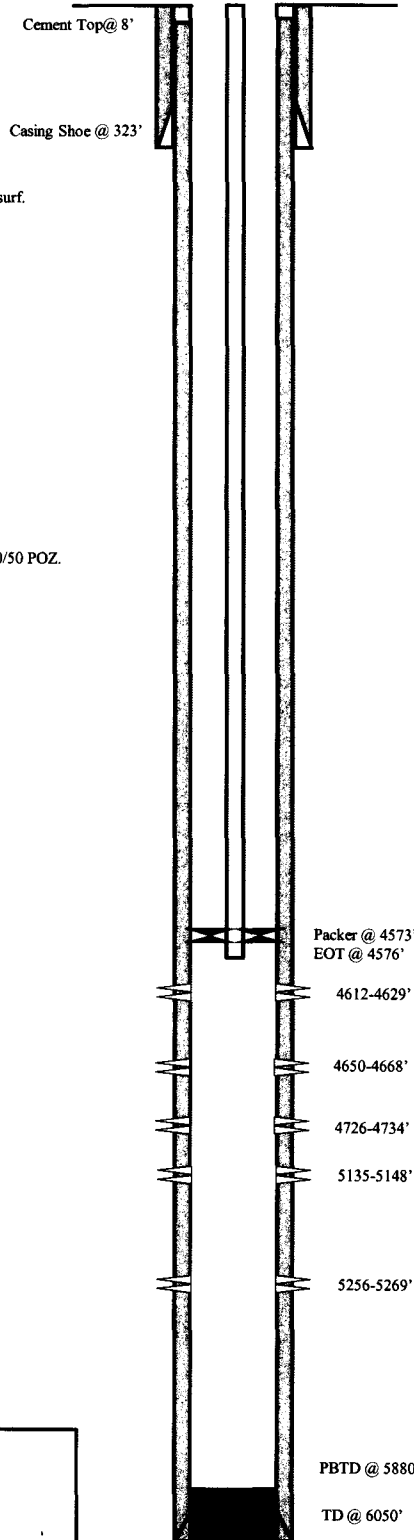
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (262.90')  
 DEPTH LANDED: 323.15' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 300 sxs Class "G" cmt, est 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (6010.04')  
 DEPTH LANDED: 6023.29' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 145 jts (4556.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4568.4' KB  
 CE @ 4572.77'  
 TOTAL STRING LENGTH: EOT @ 4575.87' KB



#### FRAC JOB

11/13/06	5256-5269'	<b>Frac LODC sands as follows:</b> 78169# 20/40 sand in 622 bbls Lightning 17 frac fluid. Treated @ avg press of 2527 psi w/avg rate of 25.4 BPM. ISIP 2720 psi. Calc flush: 5267 gal. Actual flush: 4746 gal.
11/13/06	5135-5148'	<b>Frac LODC sands as follows:</b> 101332# 20/40 sand in 784 bbls Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.2 BPM. ISIP 1800 psi. Calc flush: 5146 gal. Actual flush: 4620 gal.
11/13/06	4612-4629'	<b>Frac C, D3 sands as follows:</b> 184392# 20/40 sand in 1225 bbls Lightning 17 frac fluid. Treated @ avg press of 1436 psi w/avg rate of 24.3BPM. 1640 psi. Calc flush: 4627 gal. Actual flush: 4494 gal.
11/27/06		<b>Pump Change.</b> Update rod and tubing details.
		<b>Major Workover</b>
05/14/08	4612-4629'	<b>Acidize D2 sands:</b> Pump 16.6 bbls techni-hib 767, W/ 10.1 bbls acid., ISIP @ 950 psi.
05/14/08	4650-4668'	<b>Acidize D3 sands:</b> Pump 16 bbls techni-hib 767, W/ 10.7 bbls acid., ISIP @ 675 psi.
1/9/09		<b>Tubing Leak.</b> Updated rod & tubing details.
2/2/2010		<b>Tubing leak.</b> Updated rod and tubing details.
11/20/2010		<b>Tubing leak.</b> Updated rod and tubing detail.
3/20/2012		<b>Tubing leak:</b> Updated rod and tubing detail.
04/11/12		<b>Convert to Injection Well</b>
04/17/12		<b>Conversion MIT Finalized</b> – update tbg detail

#### PERFORATION RECORD

11/06/06	5256-5269'	4 JSPF	52 holes
11/13/06	5135-5148'	4 JSPF	52 holes
11/13/06	4726-4734'	4 JSPF	32 holes
11/13/06	4650-4668'	4 JSPF	72 holes
11/13/06	4612-4629'	4 JSPF	68 holes

**NEWFIELD**

**Federal 11-20-9-16**

2143' FSL & 2155' FWL  
 NE/SW Section 20-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32598; Lease #UTU-74391



## Federal 7-20-9-16

Spud Date: 6-6-07

Put on Production: 8-12-05

GL: 6078' KB: 6090'

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jnts (306.9')

DEPTH LANDED: 318.75' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 1343 jts. (5918.61')

DEPTH LANDED: 5931.86' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP AT: 48'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

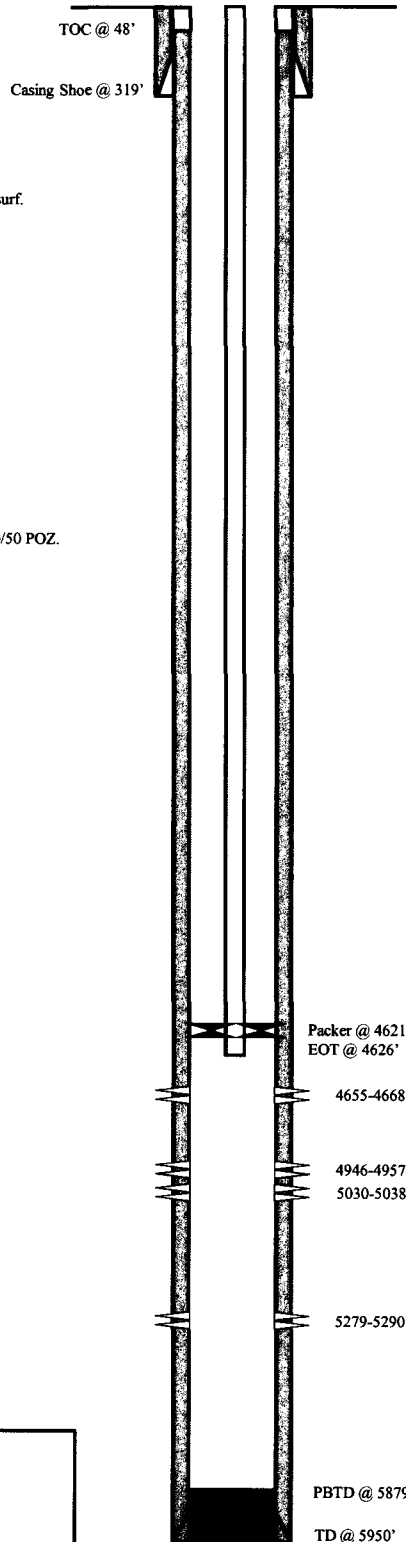
NO. OF JOINTS: 146 jts (4605')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4617' KB

ARROW #1 PKR CE @ 4621.42'

TOTAL STRING LENGTH: EOT @ 4626'



#### FRAC JOB

7-9-07 5279-5290'

#### **Frac LODC, sands as follows:**

29,554# 20/40 sand in 370 bbls Lightning 17 frac fluid. Treated @ avg press of 1987 psi w/avg rate of 24.7 BPM. ISIP 2284 psi. Calc flush: 5277 gal. Actual flush: 4746 gal.

7-9-07 5030-5038'

#### **Frac LODC sands as follows:**

24,274# 20/40 sand in 368 bbls Lightning 17 frac fluid. Treated @ avg press of 2044 psi w/avg rate of 24.7 BPM. ISIP 2143 psi. Calc flush: 5028 gal. Actual flush: 4557 gal.

7-9-07 4946-4957'

#### **Frac A3 sands as follows:**

40,017# 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 1862 psi w/avg rate of 24.7 BPM. ISIP 2238 psi. Calc flush: 4944 gal. Actual flush: 4389 gal.

7-9-07 4655-4668'

#### **Frac D3 sands as follows:**

48,763# 20/40 sand in 450 bbls Lightning 17 frac fluid. 24.8 BPM. Calc flush: 4653 gal. Actual flush: 4578 gal.

6/9/09

**Stuck Pump.** Updated rod & tubing details.

5/26/11

**Pump Change.** Updated rod and tubing detail.

01/30/12

**Parted rods.** Updated rod and tubing detail

3/12/12

**Pump change:** Updated rod & tubing detail

5/9/12

**Convert to Injection Well**

5/11/12

**Conversion MIT Finalized** - update tbg detail

#### PERFORATION RECORD

7-3-07	5279-5290'	4 JSPF	44 holes
7-9-07	5030-5038'	4 JSPF	32 holes
7-9-07	4946-4957'	4 JSPF	44 holes
7-9-07	4655-4668'	4 JSPF	52 holes

**NEWFIELD**



**Federal 7-20-9-16**

2098' FNL & 1961' FEL

SW/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33106; Lease #UTU-52018

FEDERAL 1-20-9-16

Spud Date: 05/16/07  
 Put on Production: 07/25/07  
 GL: 6038' KB: 6050'

Injection Wellbore  
 Diagram

SURFACE CASING

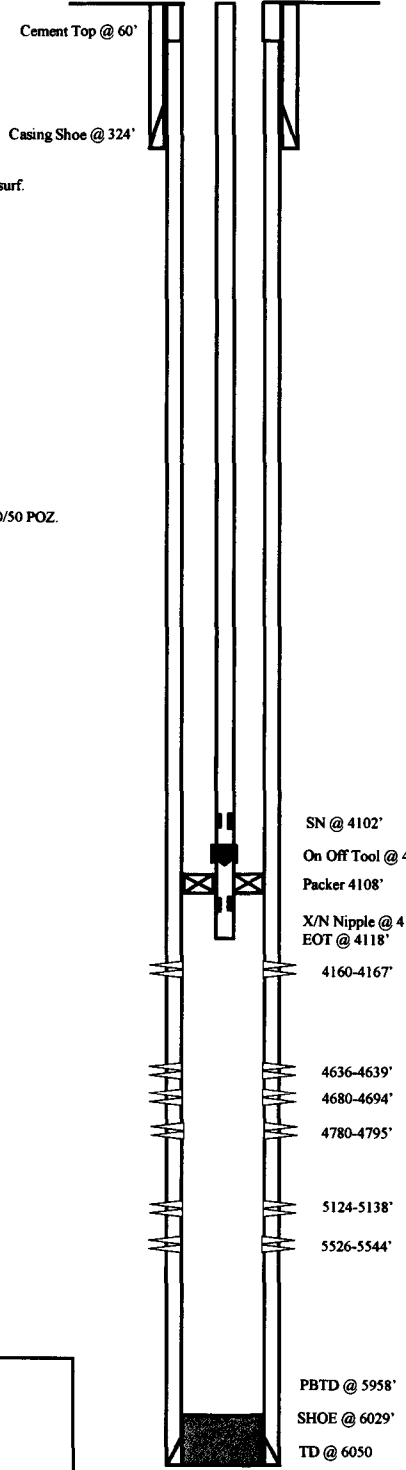
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.36')  
 DEPTH LANDED: 324.21' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts. (6015.83')  
 DEPTH LANDED: 6029.08' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 133 jts (4089.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4102' KB  
 ON/OFF TOOL AT: 4102.8'  
 ARROW #1 PACKER CE AT: 4107.75'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4111.6'  
 TBG PUP 2-3/8 J-55 AT: 4112.1'  
 X/N NIPPLE AT: 4116.5'  
 TOTAL STRING LENGTH: EOT @ 4118'



FRAC JOB

07/19/07 5526-5544' **Frac CP1 sands as follows:**  
 40327# 20/40 sand in 416 bbls Lightning 17 frac fluid. Treated @ avg press of 2186 psi w/avg rate of 24.7 BPM. ISIP 2165 psi. Calc flush: 5524 gal. Actual flush: 5002 gal.

07/19/07 5124-5138' **Frac LODC sands as follows:**  
 60273# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 2674 psi w/avg rate of 24.8 BPM. ISIP 2760 psi. Calc flush: 5122 gal. Actual flush: 4582 gal.

07/19/07 4780-4795' **Frac C sands as follows:**  
 60060# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4778 gal. Actual flush: 4288 gal.

07/19/07 4680-4694' **Frac D2 sands as follows:**  
 79938# 20/40 sand in 623 bbls Lightning 17 frac fluid. Treated @ avg press of 1860 psi w/avg rate of 24.8 BPM. ISIP 1960 psi. Calc flush: 4678 gal. Actual flush: 4120 gal.

07/20/07 4160-4167' **Frac GB6 sands as follows:**  
 25213# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 2145 psi w/avg rate of 24.3 BPM. ISIP 2025 psi. Calc flush: 5503 gal. Actual flush: 4914 gal.

1/26/09 **Pump Change.** Updated r & t details.

10/08/12 4636-4639' **Frac D1 sands as follows:**  
 12260# 20/40 sand in 178 bbls Lightning 17 frac fluid.

10/09/12 **Convert to Injection Well**

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

PERFORATION RECORD

07/10/07 5526-5544' 4 JSPF 72 holes  
 07/19/07 5124-5138' 4 JSPF 56holes  
 07/19/07 4780-4795' 4 JSPF 60 holes  
 07/19/07 4680-4694' 4 JSPF 56 holes  
 07/19/07 4160-4167' 4 JSPF 28 holes  
 10/05/12 4636-4639' 3 JSPF 9 holes

**NEWFIELD**  
  
**FEDERAL 1-20-9-16**  
 617'FNL & 652' FEL  
 NE/NE Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33066; Lease # UTU-52018

## Monument Federal #22-20

Elev.GR - 6097' GL  
Elev.KB - 6107' KB (10' KB)

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 253.07'  
DEPTH LANDED: 263.07' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sks super "G", 2% CaCl<sub>2</sub>, 1/4#/sk Cello-flake.  
Returned 10 bbis to pit.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5696.50'  
DEPTH LANDED: 5706.50' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 181 sks super "G", 3% salt, 2% gel, 2#/sk Kol-seal, 1/4#/sk Cello-flake, Tail w/ 400 sks 50/50 POZ, 2% gel, 1/4#/sk Cello-flake, 2#/sk Kol-seal.

CEMENT TOP AT: 1110' KB

**TUBING**

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#  
NO. OF JOINTS: 144 Jts (4513.91')  
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75"  
NO. OF JOINTS: 25 Jts (778.60')  
SEATING NIPPLE: 2-7/8"x1.10"  
PERFORATED SUB: 2-7/8"x4.20"  
MUD ANCHOR: 2-7/8"x31.40"  
STRING LENGTH: 5342.36'  
SN LANDED AT: 5305.26' KB

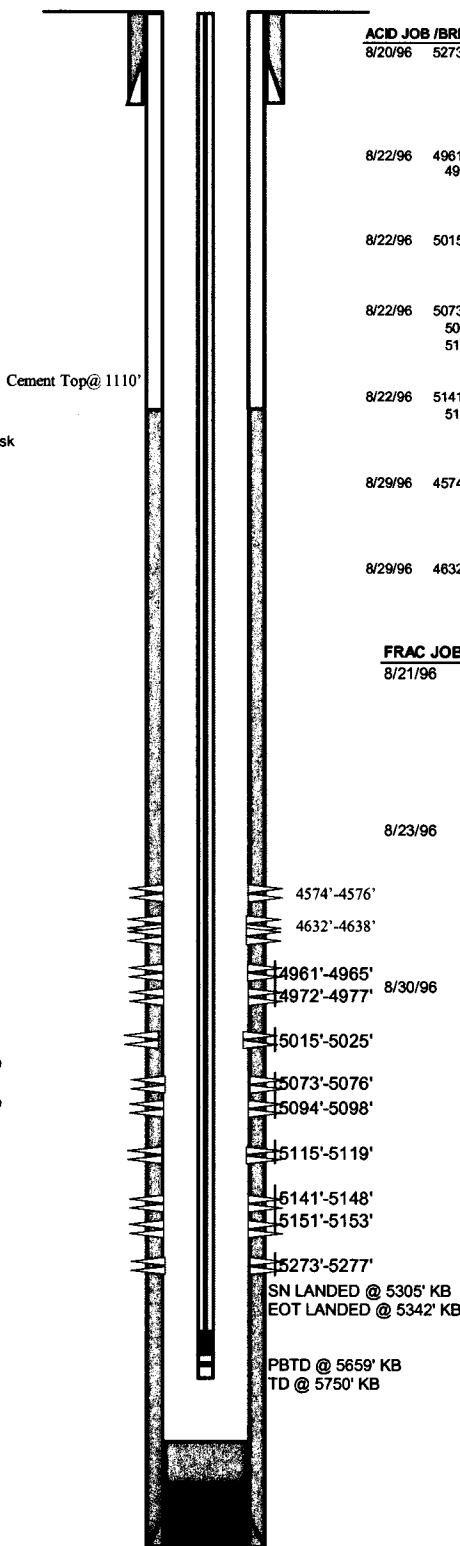
**SUCKER RODS**

WELL LAST PULLED: Completion

POLISHED ROD: 1-1/4"x22' SM  
SUCKER RODS: 210-3/4"x25' D-61 Plain  
1-7/8"x2' Pony w/ 2-1/2" guide  
1-1-1/2"x25' K-Bar  
1-7/8"x2' Pony w/ 2-1/2" guide

TOTAL STRING LENGTH: 5301'

PUMP NUMBER: Trico #1187  
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC w/ SM Plunger  
STROKE LENGTH: 72 inches  
PUMP SPEED, SPM: 4.2 spm  
PUMPING UNIT SIZE: Lufkin C18D-173-74  
SN: E100070M458691  
PRIME MOVER: Ajax E-30, 7-1/4"x8"  
SN: 79866  
TANK SIZES & NUMBERS: 2-400 bbl Natco 12"x20'  
TANK #1 SN: 8D-16101-03  
TANK #2 SN: 8D-16101-02



**ACID JOB /BREAKDOWN**

Date	Depth Range	Services
8/20/96	5273'-5277'	BJ Services: 2058 gal 2% KCL water w/ 32 ball sealers. Ball action but no ball off. ATP= 3000 psi, ATR= 3.5 bpm, ISIP= 1920 psi.
8/22/96	4961'-4965' 4972'-4977'	BJ Services: 1806 gal 2% KCL water w/ 28 ball sealers. Balled off. ATP= 2200 psi, ATR= 4.0 bpm, ISIP= 1500 psi.
8/22/96	5015'-5025'	BJ Services: 2100 gal 2% KCL water w/ 40 ball sealers. Balled off. ATP= 2600 psi, ATR= 3.6 bpm, ISIP= 1500 psi.
8/22/96	5073'-5076' 5094'-5098' 5115'-5119'	BJ Services: 2394 gal 2% KCL water w/ 44 ball sealers. Balled off. ATP= 2500 psi, ATR= 4.0 bpm, ISIP= 1300 psi.
8/22/96	5141'-5148' 5151'-5153'	BJ Services: 2436 gal 2% KCL w water w/ 36 ball sealers. Balled off. ATP= 3600 psi, ATR= 3.4 bpm, ISIP= 2100 psi.
8/29/96	4574'-4578'	BJ Services: 1554 gal 2% KCL water w/ 8 ball sealers. Balled off. ATP= 2700 psi, ATR= 4.2 bpm, ISIP= 1550 psi.
8/29/96	4632'-4638'	BJ Services: 1722 gal 2% KCL water w/ 20 ball sealers. Ball action but no ball off. ATP= 3000 psi, ATR= 3.8 bpm, ISIP= 1400 psi.

**FRAC JOB**

Date	Depth Range	Services
8/21/96	5273'-5277'	BJ Services: 11,214 gal 2% KCL water w/ 5700# 20/40 sand & 10,000# 16/30 sand. ATP= 3500 psi, ATR= 19.8 bpm, ISIP= 2430 psi, 5 min= 2150 psi, 10 min= 2090 psi, 15 min= 2020 psi, 30 min= 1910 psi.
8/23/96	4961'-5153'	BJ Services: 52,626 gal 2% KCL water w/ 52,200# 20/40 sand & 119,780# 16/30 sand. ATP= 2800 psi, ATR= 55.8 bpm, ISIP= 2110 psi, 5 min= 1756 psi, 10 min= 1630 psi, 15 min= 1560 psi, 30 min= 1450 psi.
8/30/96	4574'-4576' 4632'-4638'	BJ Services: 13,398 gal 2% KCL water w/ 36,400# 16/30 sand. ATP= 3500 psi, ATR= 29.8 bpm, ISIP= 1870 psi, 5 min= 1600 psi, 10 min= 1430 psi, 15 min= 1330 psi, 30 min= 1090 psi.

**PERFORATION RECORD**

Date	Company	Depth Range	SPF
8/20/96	Schlumberger	5273'-5277'	4 SPF
8/22/96	Schlumberger	4961'-4965' 4972'-4977' 5015'-5025' 5073'-5076' 5094'-5098' 5115'-5119' 5141'-5148' 5151'-5153'	2 SPF 2 SPF 2 SPF 2 SPF 2 SPF 2 SPF 2 SPF
8/29/96	Schlumberger	4574'-4576' 4632'-4638'	4 Holes 10 Holes

**NEWFIELD**

Monument Butte  
Lease #U-52018  
SE NW Section 20, T9S, R16E  
1980' FNL, 1980' FWL  
Duchesne County, Utah

API # 43-013-31681

## NGC Fed. 31-20G-9-16

Spud Date: 1/04/85  
 Put on Production: 4/08/85  
 GL: 6051' KB: ~~6050~~ 6063

Initial Production: 88 BOPD,  
 62 MCFPD, 21 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (319.75')  
 DEPTH LANDED: 319'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 250 sxs Class "H"

### PRODUCTION CASING

CSG SIZE: 5-1/2" / J-55 LT&C / 15.5#  
 LENGTH: 74 jts.  
 CSG SIZE: 5-1/2" / K-55 / 15.5#  
 LENGTH: 74 jts.  
 DEPTH LANDED: 6118'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 240 sxs Lite, tail w/ 570 sxs Class "H"  
 CEMENT TOP AT: 2450' per CBL

### TUBING

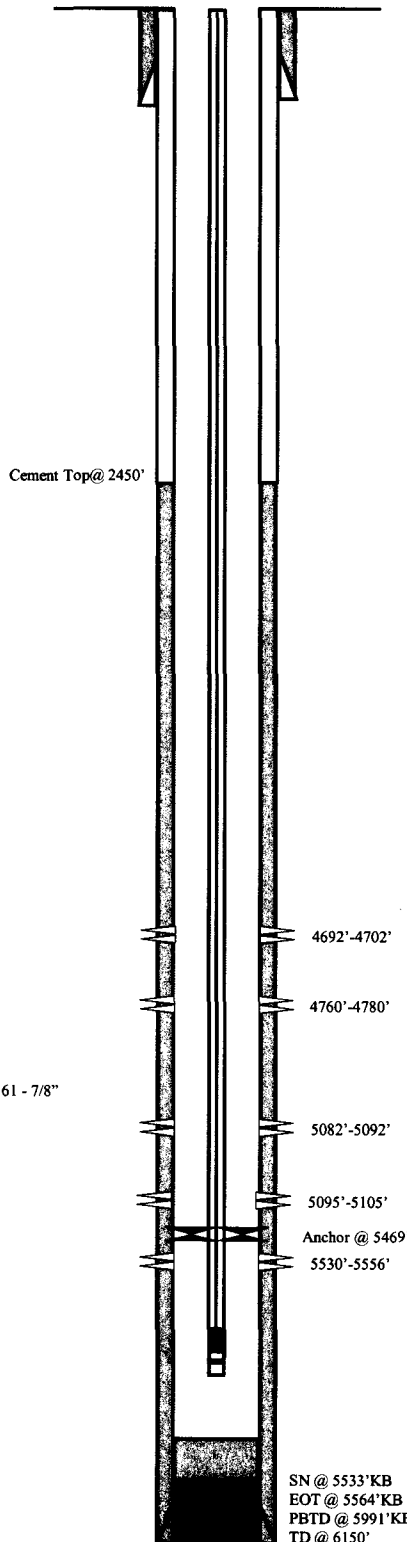
SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#  
 NO. OF JOINTS: 172 jts. (5457.93')  
 TUBING ANCHOR: 5469.93' KB  
 NO. OF JOINTS: 2 jts. (62.00')  
 SN LANDED AT: 1.10' x 2 7/8" (5533.03') KB  
 NO. OF JOINTS: 1 jt. (31.90')  
 TOTAL STRING LENGTH: 5564.93' KB

### SUCKER RODS

POLISHED ROD: 1-1/4" X 22'  
 SUCKER RODS: 4 - 1-1/2" weight rods, 154 - 3/4" slick rods, 61 - 7/8" guided rods, 1-4', 1-6', 1-10' x 7/8" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH:  
 PUMP SPEED:  
 LOGS: DIL, LDT-CNL, EPT, LSS, GR, SP, ABCL, CBL

### FRAC JOB

3/10/85	5530'-5556'	<b>Frac zone as follows:</b> 120,000# 20/40 sand + 30,000# 12/20 sand in 1263 bbl gel. Average treating pressure 2800 psi at 20 BPM. ISIP 2500 psi. Calc. flush: 5530 gal. Actual flush: 3654 gal. 3/10/85
3/17/85	4760'-4780'	<b>Frac zone as follows:</b> 45,000# 20/40 sand + 12,135# 12/20 sand in 1112 bbl gel. Average treating pressure 3100 psi at 20 BPM. ISIP 1800 psi. Calc. flush: 4760 gal. Actual flush: 1260 gal.
3/26/85	4692'-4702'	<b>Frac zone as follows:</b> 32,000# 20/40 sand + 14,000# 12/20 sand in 581 bbl gel. Average treating pressure 3200 psi at 25 BPM. ISIP 2000 psi. Calc. flush: 4692 gal. Actual flush: 3444 gal.
1/31/98	5082'-5105'	<b>Frac zone as follows:</b> 120,000# 20/40 sand in 489 bbl gel. Average treating pressure 6600 psi at 24.8 BPM. ISIP 4693 psi. Calc. flush: 1317 gal. Actual flush: 1737 gal.



### PERFORATION RECORD

3/02/85	5530'-5556'	4 SPF	104 holes
3/13/85	4764'-4780'	4 SPF	64 holes
3/15/85	4760'-4780'	4 SPF	80 holes
3/23/85	4692'-4702'	4 SPF	40 holes
1/30/98	5082'-5092'	4 SPF	40 holes
1/30/98	5095'-5105'	4 SPF	40 holes

SN @ 5533'KB  
 EOT @ 5564'KB  
 PBTD @ 5991'KB  
 TD @ 6150'



NGC Fed. #31-20G-9-16  
 540' FNL & 1944' FEL  
 NWNE Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31071; Lease #U-52018

ATTACHMENT E-13

**GMB 3-16-9-16H**

**Wellbore Diagram**



Surface Location: NE/NW, Sec 16, T9S R16E  
 County/State: Greater Monument Butte, Duchesne County, Utah  
 Elevation: 5847' GL + 12' KB API: 43-013-50441



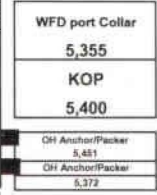
Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bbf/ft	Hole	TOC
8-5/8" Casing Shoe													
Surface	8-5/8"	24#	J-55	LTC	0	1,025							Surface
Production	5-1/2"	17#	M-80	LTC	0	5,993	7,740	7,020	4.892	4.767	0.0233	7-7/8"	Port Collar: 5,654' md to Surface
Production	4-1/2"	11.6#	P-110	LTC	5,993 TVD	10,249 6,011	7,774	8,510	4.000	3.875	0.0155	6-1/8"	

burst & collapse values are book, no additional safety factors have been applied

Tubing Detail	Size	Wt.	Grade	Conn.	Length	Top	Bottom	Joints
<b>TBG DETAIL:</b> sand drain valve, 3 jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub, 1 jt 2 7/8" tbg., SN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 187 jts 2 7/8" tbg and tbg hanger. TA @ 5,870' SN @ 5,903' EOT @ 6,052' NOTE on Tubing Anchor: TA (shortened inner springs & beveled outer springs-4.625" OD)								

**WELLBORE FLUIDS**  
 Lateral section fluid= +-8.4 ppg "clean" brine

Rod Detail	Size	Grade	Count	Length	Top	Bottom
<b>Pump and Rod Detail:</b> Weatherford Macgyver 1 3/4" x 28' rod pump, stabilizer sub, on/off tool, stabilizer sub, SE 4 Co-rod, 1- 8', 6', 4', 2' x 7/8" pony rods, 1 1/2" x 26' polished rod NOTE on Pump: with CoRod, must have Clutch (on/off tool) installed.						



Proposed Frac Data	Top	Bottom	Packers Plus 12 Stage StackFrac HD Stimulation Liner							Prop type/ size	Prop Vol (lbs)	Total Clean Vol (bbbl)	
<b>Toe Section</b>	10,249	10,249	Packers Plus 4-1/2" Toe Circulating Sub w/1,000' Seat for 1.250" SF2 High Pressure Ball (Actuated at 1,098 psi). And Open Hole TD										
<b>Stage 1</b>	10,097	10,249	Dual Hydraulic Frac Port	Depth 10,160	Ball OD (in.) NA	Seat ID (in.) NA	Vol. to Seat (bbl) 204.33	Actual Vol. (bbl) NA	Difference (bbl)	Ball Action (AP)	100 mesh sand 0 30/50 mesh sand 0	1,903	
OH Anchor/Packer	10,080	10,087	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Mechanical Packer 1	10,002	10,007	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 2</b>	9,882	10,002	FracPort 2:	Depth 9,841	Ball OD (in.) 2,125	Seat ID (in.) 2,000	Vol. to Seat (bbl) 199.39	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 34,144 30/50 mesh sand 30,780	2,342	
Mechanical Packer 2	9,677	9,682	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 3</b>	9,914	9,677	FracPort 3:	Depth 9,517	Ball OD (in.) 2,250	Seat ID (in.) 2,125	Vol. to Seat (bbl) 194.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 36,389 30/50 mesh sand 18,835	2,775	
Mechanical Packer 3	9,354	9,359	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 4</b>	9,035	9,354	FracPort 4:	Depth 8,193	Ball OD (in.) 2,375	Seat ID (in.) 2,250	Vol. to Seat (bbl) 189.38	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 7,548 30/50 mesh sand 0	2,718	
Mechanical Packer 4	9,030	9,035	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 5</b>	8,710	9,030	FracPort 5:	Depth 8,599	Ball OD (in.) 2,500	Seat ID (in.) 2,375	Vol. to Seat (bbl) 184.35	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 28,177 30/50 mesh sand 36,211	4,118	
Mechanical Packer 5	8,705	8,710	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 6</b>	8,386	8,705	FracPort 6:	Depth 8,444	Ball OD (in.) 2,625	Seat ID (in.) 2,500	Vol. to Seat (bbl) 179.32	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 37,277 30/50 mesh sand 30,591	3,907	
Mechanical Packer 6	8,381	8,386	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 7</b>	8,066	8,381	FracPort 7:	Depth 8,220	Ball OD (in.) 2,750	Seat ID (in.) 2,625	Vol. to Seat (bbl) 174.30	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 32,229 30/50 mesh sand 21,843	2,784	
Mechanical Packer 7	8,061	8,066	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 8</b>	7,743	8,061	FracPort 8:	Depth 7,901	Ball OD (in.) 2,875	Seat ID (in.) 2,750	Vol. to Seat (bbl) 169.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 35,076 30/50 mesh sand 30,420	3,708	
Mechanical Packer 8	7,738	7,743	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 9</b>	7,418	7,738	FracPort 9:	Depth 7,577	Ball OD (in.) 3,000	Seat ID (in.) 2,875	Vol. to Seat (bbl) 164.35	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30,308 30/50 mesh sand 14,314	2,777	
Mechanical Packer 9	7,413	7,418	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 10</b>	6,768	7,413	FracPort 10:	Depth 7,252	Ball OD (in.) 3,125	Seat ID (in.) 3,000	Vol. to Seat (bbl) 159.32	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 25,505 30/50 mesh sand 3,487	1,889	
Mechanical Packer 10	7,088	7,093	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 11</b>	6,768	7,088	FracPort 11:	Depth 6,827	Ball OD (in.) 3,250	Seat ID (in.) 3,125	Vol. to Seat (bbl) 169.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 37,884 30/50 mesh sand 36,940	2,804	
Mechanical Packer 11	6,763	6,768	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
<b>Stage 12</b>	6,445	6,763	FracPort 11:	Depth 6,801	Ball OD (in.) 3,375	Seat ID (in.) 3,250	Vol. to Seat (bbl) 154.29	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 31,284 30/50 mesh sand 21,188	2,755	
Mechanical Packer 12	6,438	6,445	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
OH Anchor/Packer	5,451	5,456	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)										
Rockseal II Packer	5,372	5,377	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)										
Lat Length		3,804											
Total Stim. Lateral		3,804											
Avg. Stage Length		317' *between packers											
Sand Total		100 mesh sand 335,921											
		30/50 mesh sand 244,388											
		# sand per foot of lateral 163											

5.0"x4.83" XO 5,993



Schematic

Well Name: **GMBU H-20-9-16**

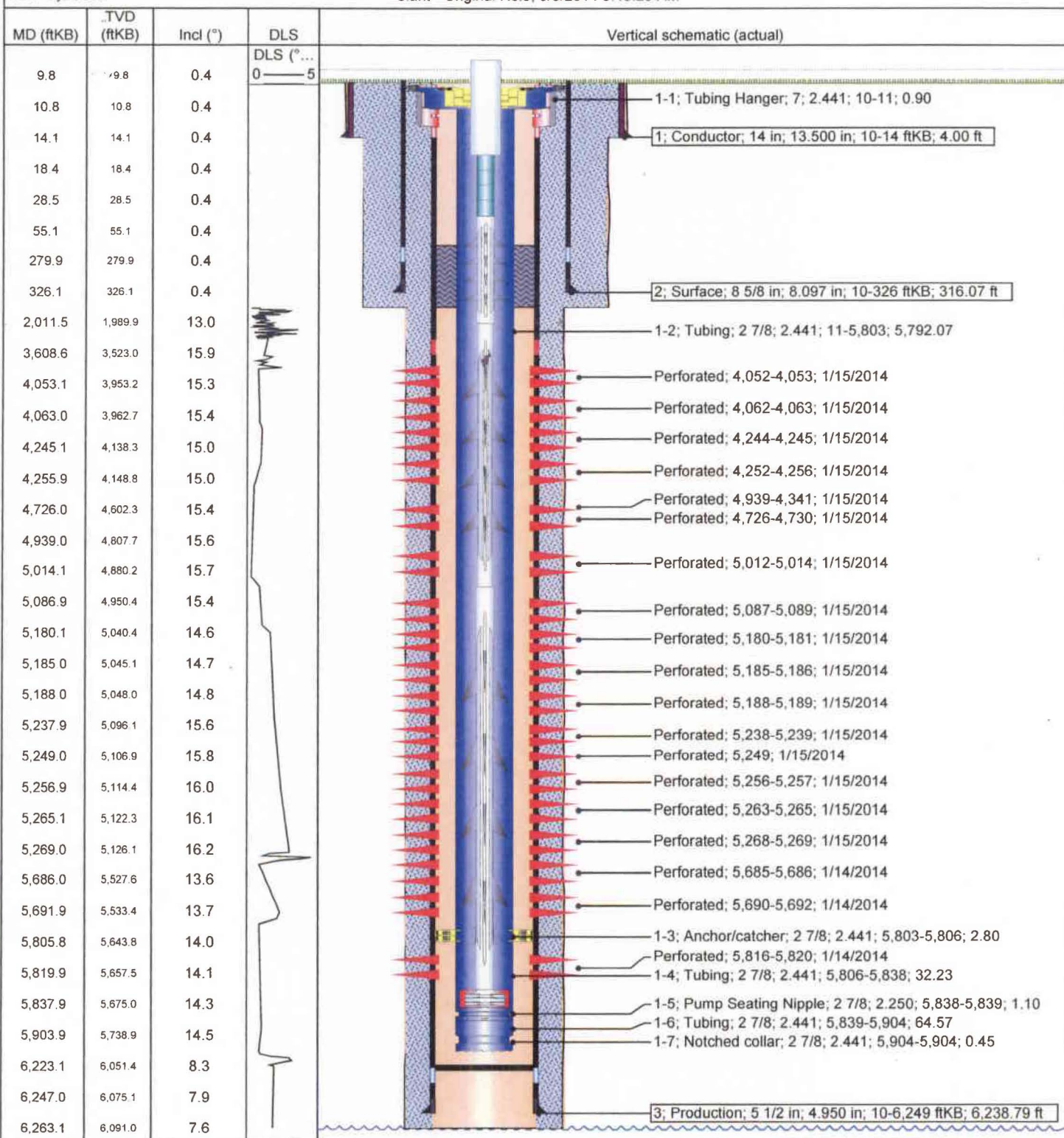
Surface Legal Location SWNE 2110 FNL 1934 FEL Sec 20 T9S R16E Mer SLB				API/UWI 43013515640000	Well RC 500335202	Lease UTU52018	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 12/7/2013	Rig Release Date 12/25/2013	On Production Date 1/25/2014	Original KB Elevation (ft) 6,093	Ground Elevation (ft) 6,083	Total Depth All (TVD) (ftKB) Original Hole - 6,090.9	PBD (All) (ftKB) Original Hole - 6,223.1			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/14/2014	Job End Date 1/22/2014
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TD: **6,263.0**

Slant - Original Hole, 3/3/2014 6:49:29 AM



Schematic

Well Name: **GMBU J-20-9-16**

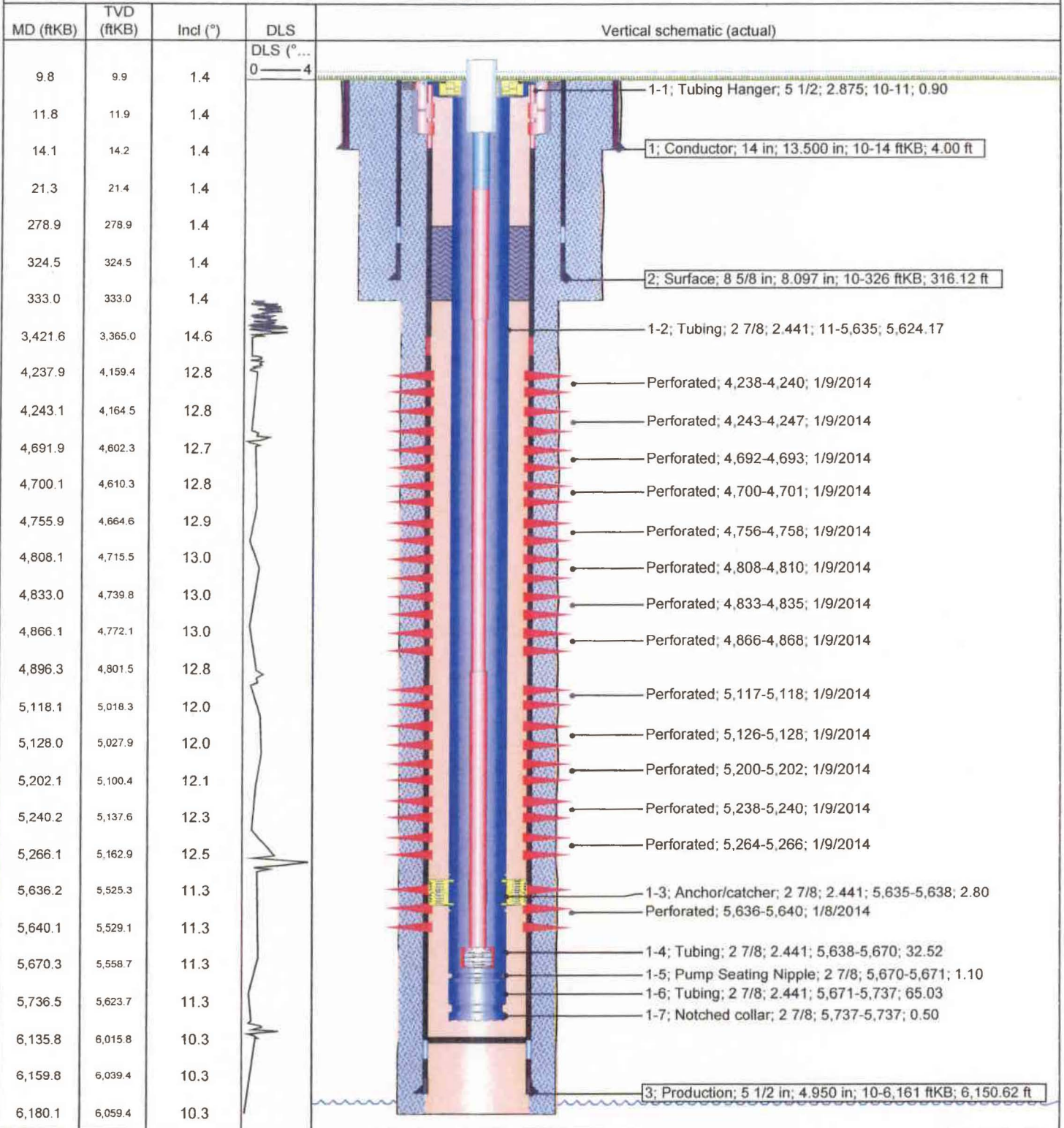
Surface Legal Location SWNW 2041 FNL 553 FWL Sec 21 T9S R16E Ser SLB			API/UWI 43013515680000	Well RC 500335147	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/3/2013	Rig Release Date 12/18/2013	On Production Date	Original KB Elevation (ft) 6,050	Ground Elevation (ft) 6,040	Total Depth All (TVD) (ftKB) Original Hole - 6,059.3	PBTd (All) (ftKB) Original Hole - 6,135.8		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/8/2014	Job End Date 1/16/2014
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TD: **6,180.0**

Slant - Original Hole, 3/3/2014 6:55:06 AM



Schematic

Well Name: **GMBU G-21-9-16**

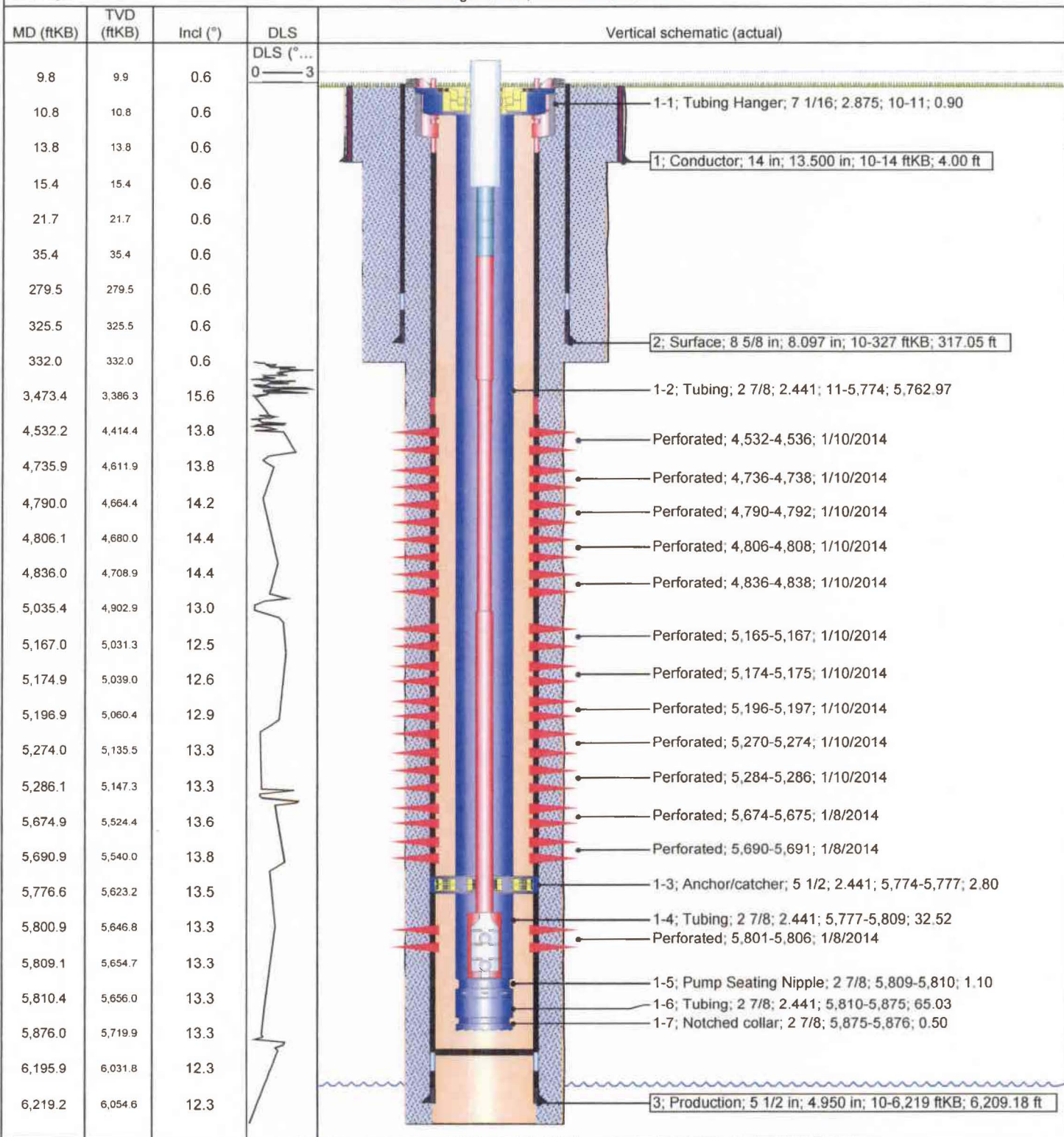
Surface Legal Location SWNW 2062 FNL 557 FWL Sec 21 T9S R16E Mer SLB		API/UWI 43013515690000	Well RC 500335136	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/3/2013	Rig Release Date 12/22/2013	On Production Date	Original KB Elevation (ft) 6,050	Ground Elevation (ft) 6,040	Total Depth All (TVD) (ftKB) Original Hole - 6,059.3	PBTD (All) (ftKB) Original Hole - 6,194.2	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/8/2014	Job End Date 1/17/2014
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TD: **6,224.0**

Slant - Original Hole, 2/28/2014 6:28:57 AM







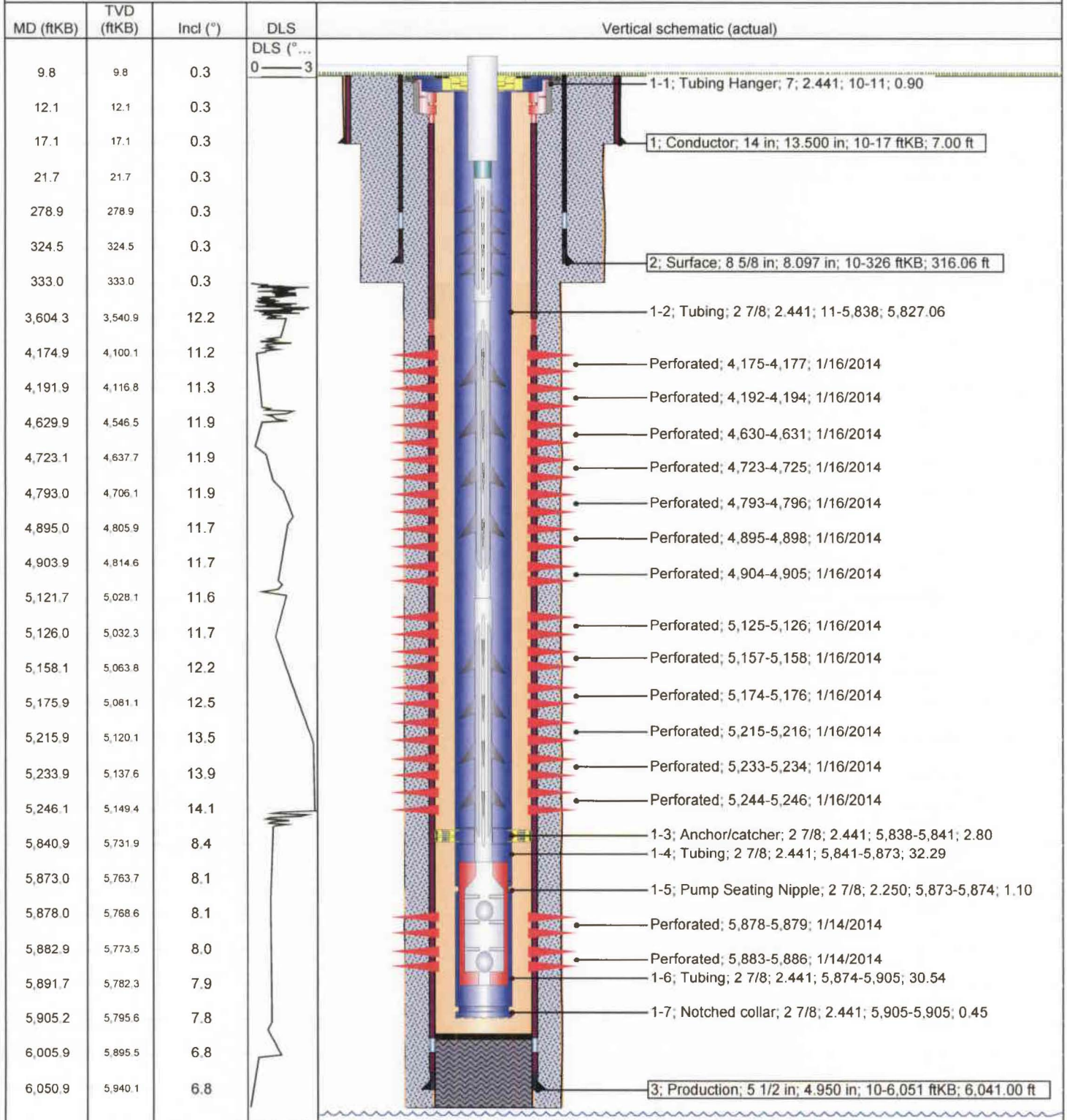
Schematic

Well Name: GMBU L-20-9-16

Surface Legal Location SWNE 2117 FNL 1914 FEL Sec 20 T9S R16E Mer SLB				API/UWI 43013515770000	Well RC 500335200	Lease UTU52018	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 12/8/2013	Rig Release Date 12/29/2013	On Production Date 1/25/2014	Original KB Elevation (ft) 6,093	Ground Elevation (ft) 6,083	Total Depth All (TVD) (ftKB) Original Hole - 5,954.2	PBD (All) (ftKB) Original Hole - 6,004.0			

<b>Most Recent Job</b>				
Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/14/2014	Job End Date 1/25/2014

TD: 6,065.0 Slant - Original Hole, 2/28/2014 9:53:40 AM



Well Name: **GMBU M-21-9-16**

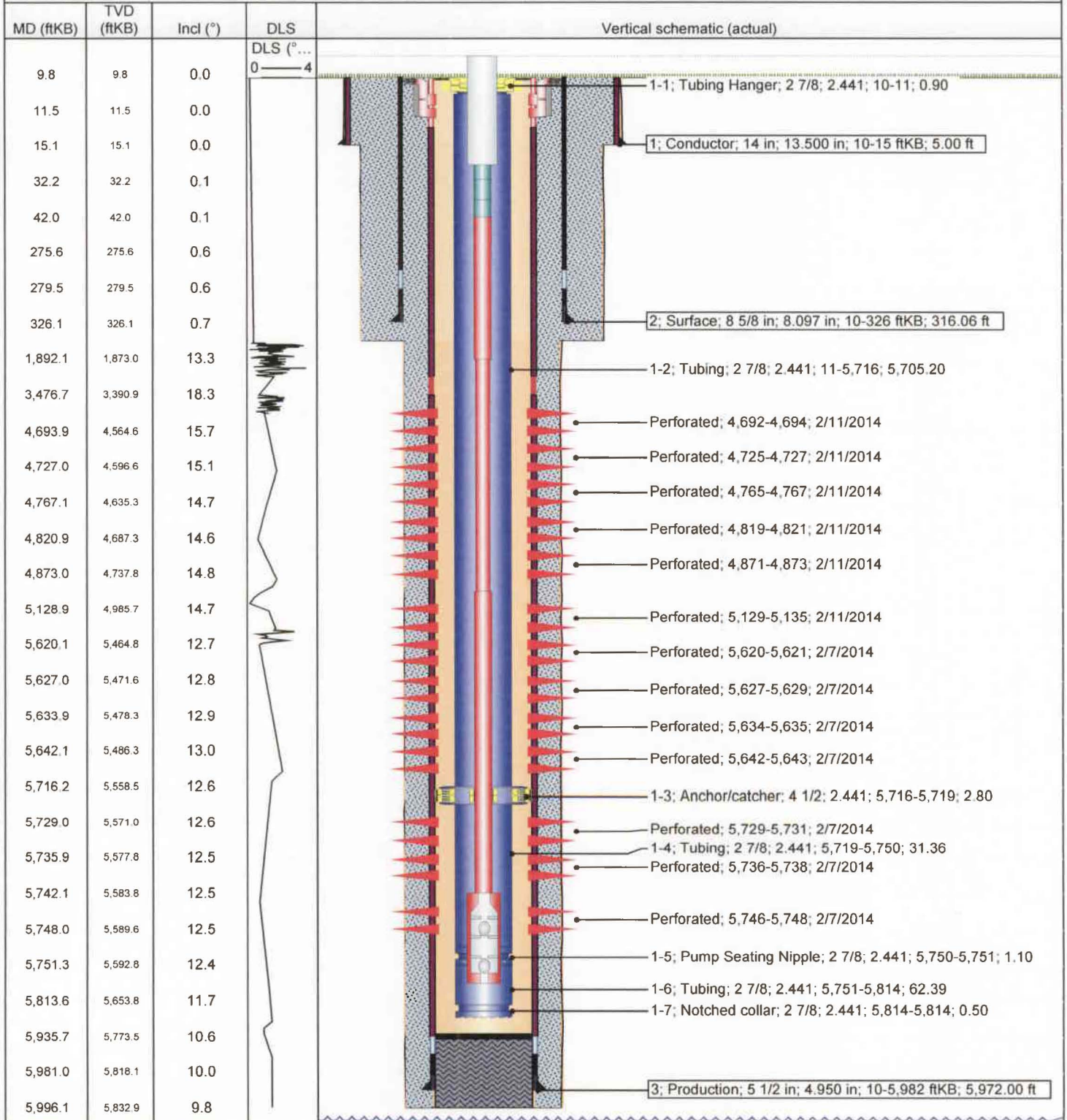
Surface Legal Location SENW 2107 FNL 1926 FWL Sec 21 T9S R16E Mer SLB		API/UWI 4301352340000	Well RC 500346524	Lease UTU64379	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 1/9/2014	Rig Release Date 1/25/2014	On Production Date	Original KB Elevation (ft) 6,032	Ground Elevation (ft) 6,022	Total Depth All (TVD) (ftKB) Original Hole - 5,832.9	PBTD (All) (ftKB) Original Hole - 5,935.6	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/7/2014	Job End Date 2/18/2014
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TD: **5,996.0**

Slant - Original Hole, 3/19/2014 8:59:35 AM



Schematic

Well Name: **GMBU N-21-9-16**

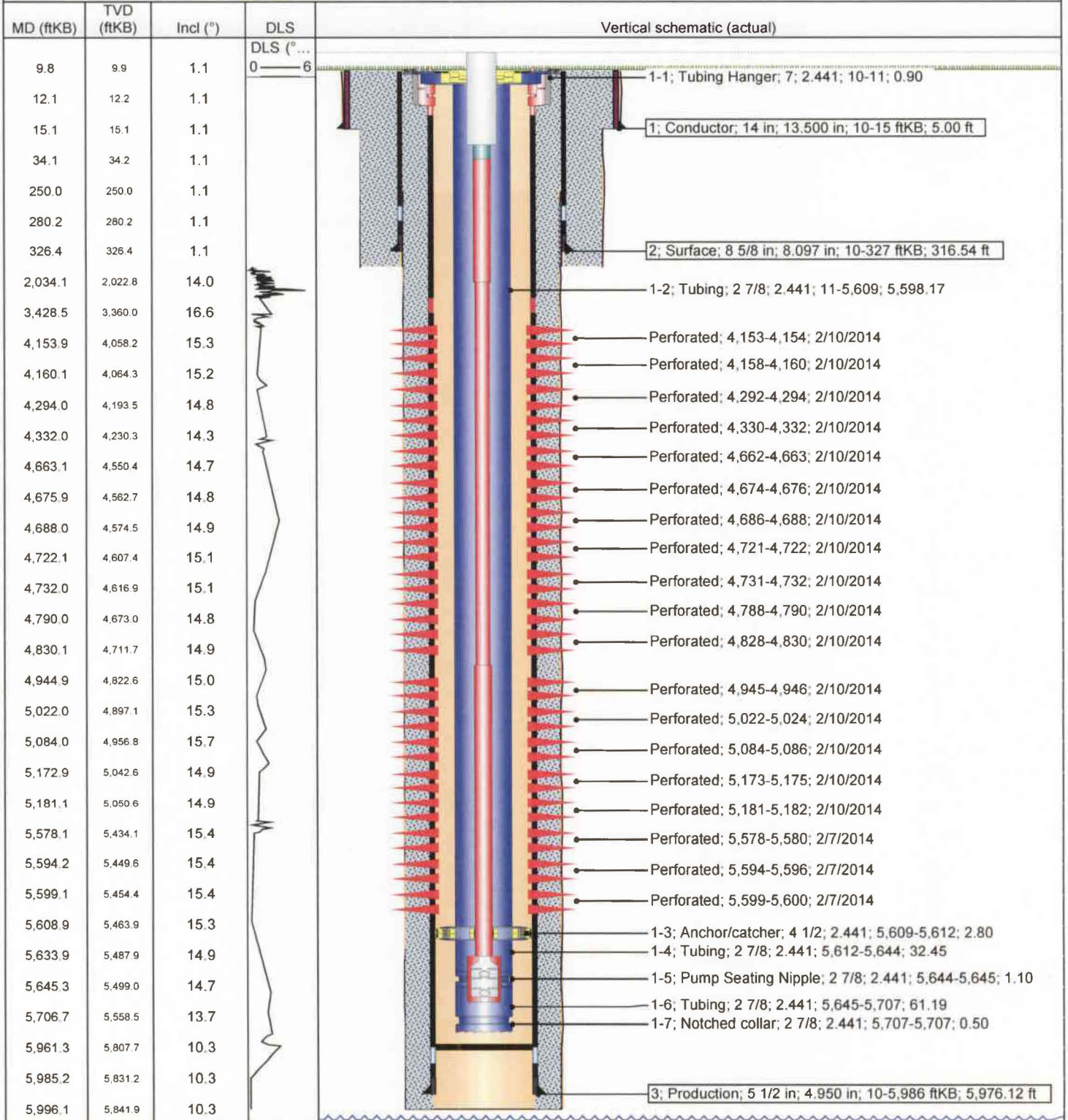
Surface Legal Location SENW 2113 FNL 1906 FWL Sec 21 T9S R16E Mer SLB		API/UWI 43013523420000	Well RC 500346462	Lease UTU64379	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 1/10/2014	Rig Release Date 1/21/2014	On Production Date	Original KB Elevation (ft) 6,032	Ground Elevation (ft) 6,022	Total Depth All (TVD) (ftKB) Original Hole - 5,841.8	PBTD (All) (ftKB) Original Hole - 5,961.2	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/7/2014	Job End Date 2/13/2014
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TD: **5,996.0**

Slant - Original Hole, 3/19/2014 8:58:32 AM



1086

**Multi-Chem Analytical Laboratory**  
 1553 East Highway 40  
 Vernal, UT 84078



Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
 Well Name: **SWDIF**  
 Sample Point: **After Filter**  
 Sample Date: **12/4/2012**  
 Sample ID: **WA-229142**

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:	12/5/2012	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120.00	Potassium (K):	11.00	Sulfate (SO4):	120.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	26.00	Bicarbonate (HCO3):	366.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	46.20	Carbonate (CO3):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.17	Propionic Acid (C2H5COO)	
pH:	6.80	Iron (Fe):	0.13	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	2304.49	Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	15.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.04	Silica (SiO2):	
H2S in Water (mg/L):	2.50				

**Notes:**  
**9:30**

(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	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

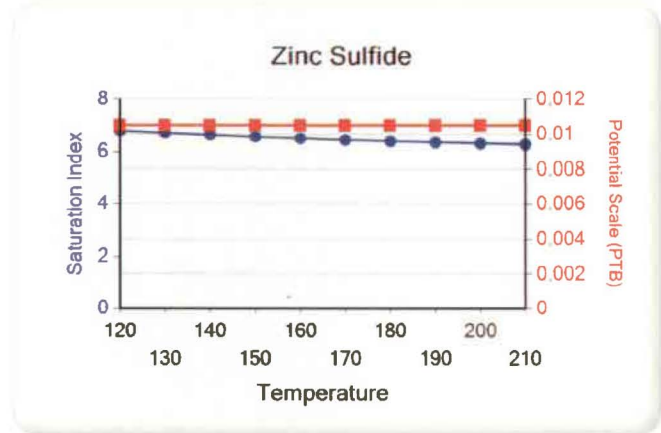
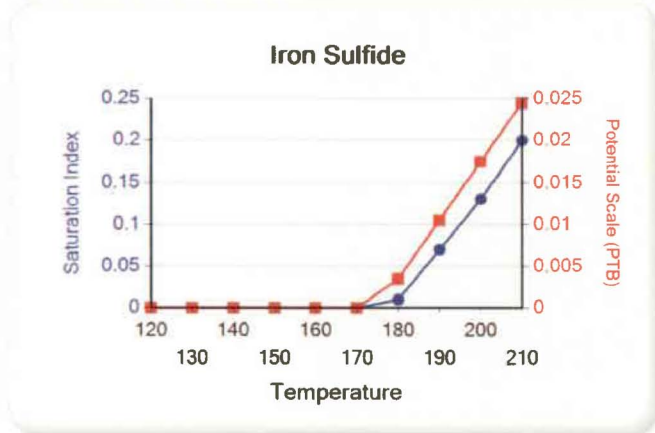
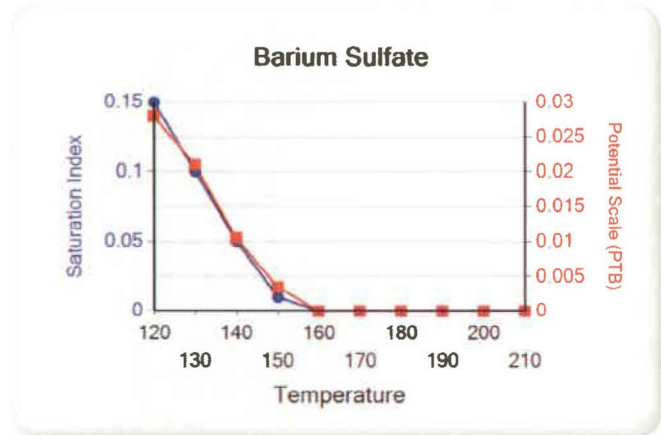
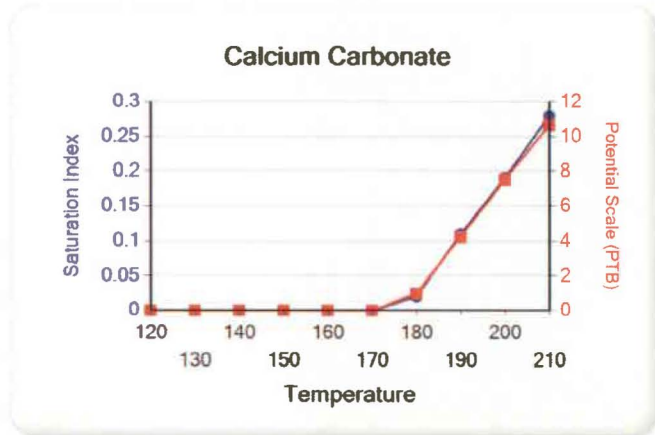
**Multi-Chem Analytical Laboratory**  
 1553 East Highway 40  
 Vernal, UT 84078

## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	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 Iron Sulfide Zinc Sulfide

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



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **FED 8-20-9-16**

Sample Point: **Separator**

Sample Date: **9/16/2013**

Sample ID: **WA-253914**

Sales Rep: **Michael McBride**

Lab Tech: **Gary Winegar**

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:	9/23/2013	Sodium (Na):	8148.00	Chloride (Cl):	21000.00
System Temperature 1 (°F):	120	Potassium (K):	72.00	Sulfate (SO4):	767.00
System Pressure 1 (psig):	60	Magnesium (Mg):	29.00	Bicarbonate (HCO3):	3050.00
System Temperature 2 (°F):	210	Calcium (Ca):	29.00	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	10.30	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.017	Barium (Ba):	1.10	Propionic Acid (C2H5COO)	
pH:	9.00	Iron (Fe):	1.00	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	33133.94	Zinc (Zn):	0.06	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.70	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.10	Silica (SiO2):	25.68
H2S in Water (mg/L):	325.00				

**Notes:**

B=6 Al=0 Li=4.1

(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	2.21	25.21	0.51	0.45	4.70	0.55	2.65	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.15	0.03
200.00	60.00	2.17	25.19	0.53	0.46	4.70	0.55	2.61	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.24	0.03
190.00	60.00	2.13	25.18	0.55	0.47	4.71	0.55	2.58	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.35	0.03
180.00	60.00	2.09	25.16	0.58	0.48	4.72	0.55	2.54	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.46	0.03
170.00	60.00	2.05	25.13	0.61	0.49	4.73	0.55	2.50	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.57	0.03
160.00	60.00	2.02	25.11	0.64	0.51	4.75	0.55	2.46	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.70	0.03
150.00	60.00	1.98	25.09	0.69	0.52	4.78	0.55	2.42	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.83	0.03
140.00	60.00	1.95	25.07	0.73	0.53	4.81	0.55	2.38	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.96	0.03
130.00	60.00	1.92	25.05	0.78	0.55	4.85	0.55	2.33	0.72	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.03
120.00	60.00	1.90	25.03	0.84	0.56	4.89	0.55	2.28	0.72	0.00	0.00	0.00	0.00	0.00	0.00	11.27	0.03

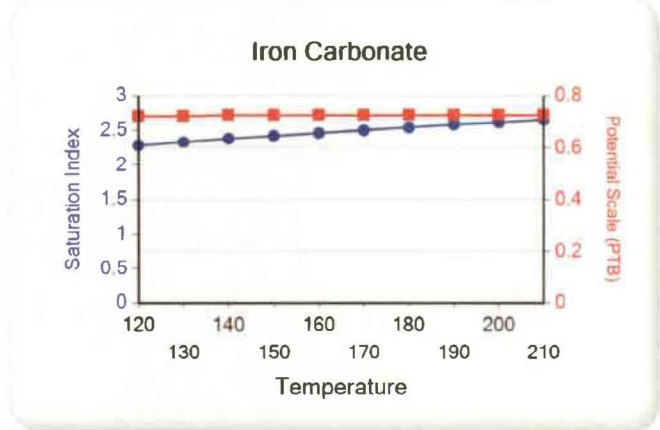
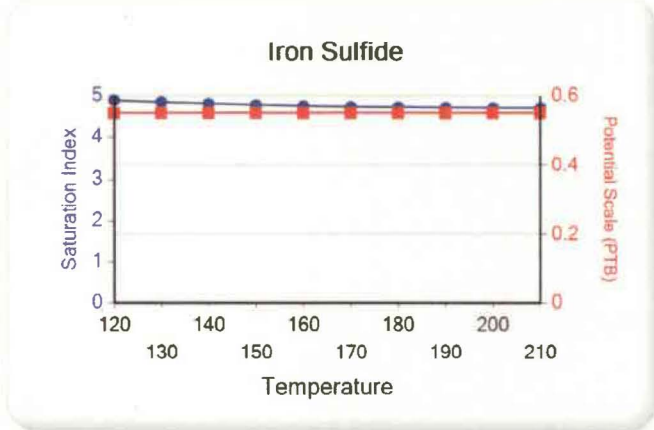
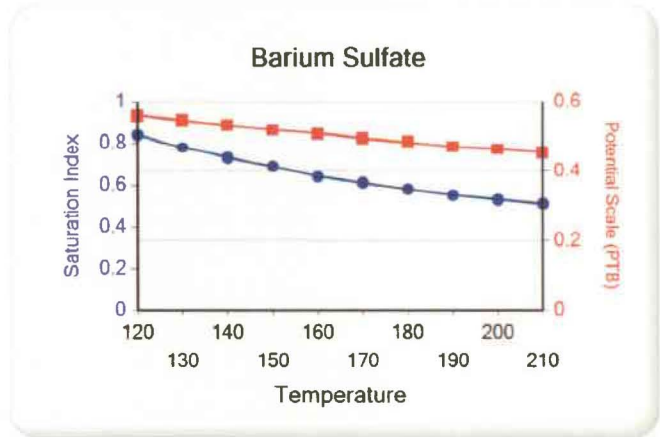
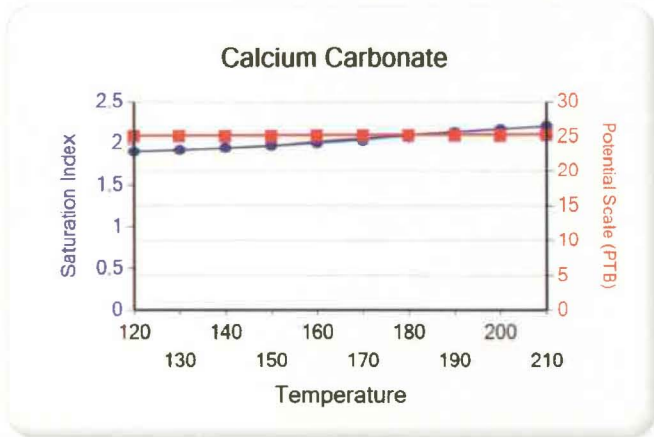
**Multi-Chem Analytical Laboratory**  
 1553 East Highway 40  
 Vernal, UT 84078

## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> •0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.04	12.28	0.28	10.28	31.13	5.42	16.19	12.09	0.78
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.04	12.44	0.28	9.94	31.13	5.23	16.19	11.88	0.78
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.04	12.62	0.28	9.59	31.13	5.03	16.18	11.67	0.78
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.04	12.80	0.28	9.23	31.13	4.84	16.17	11.46	0.78
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.04	13.00	0.28	8.87	31.13	4.64	16.15	11.24	0.78
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.04	13.20	0.28	8.50	31.13	4.44	16.13	11.03	0.78
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.04	13.42	0.28	8.14	31.12	4.25	16.10	10.82	0.78
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.04	13.65	0.28	7.77	31.12	4.05	16.07	10.60	0.78
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.03	13.89	0.28	7.39	31.11	3.85	16.02	10.39	0.78
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.03	14.15	0.28	7.02	31.10	3.65	15.97	10.19	0.78

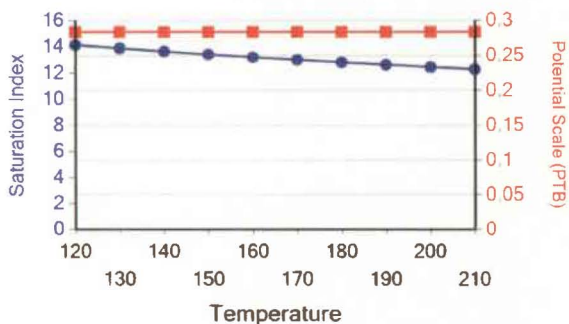
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

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 Mg Silicate Ca Mg Silicate Fe Silicate

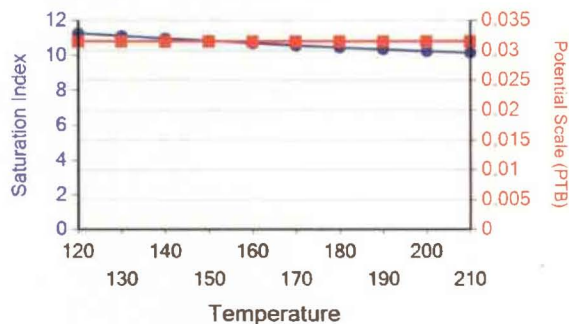


Water Analysis Report

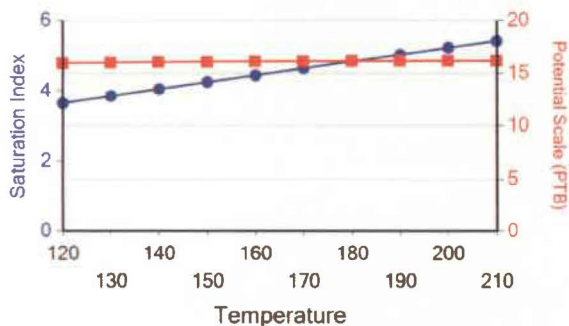
**Lead Sulfide**



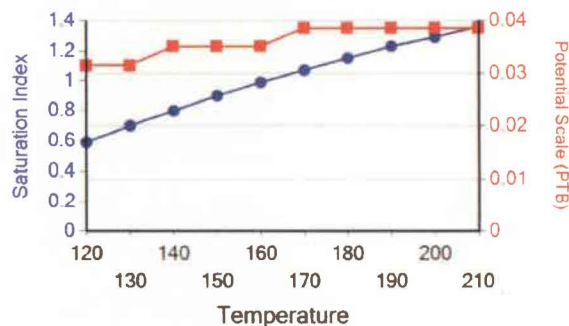
**Zinc Sulfide**



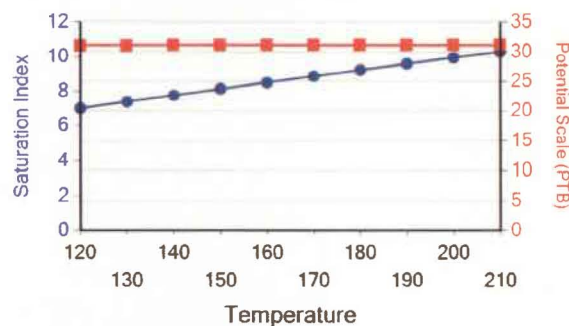
**Ca Mg Silicate**



**Zinc Carbonate**



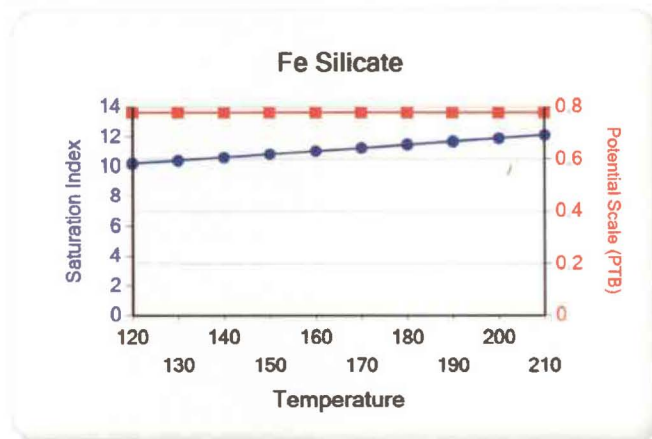
**Mg Silicate**





Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

## Water Analysis Report



**Attachment "G"**

**Federal #8-20-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5484	5492	5488	2369	0.86	2333
5270	5280	5275	2486	0.90	2452
5129	5176	5153	2340	0.89	2307
5129	5176	5153	2775	0.97	2742
5055	5074	5065	2680	0.96	2647
4963	4971	4967	2290	0.89	2258
4656	4709	4683	1700	0.80	1670 ←
4570	4576	4573	1875	0.84	1845
				<b>Minimum</b>	<u><u>1670</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 Activity Report**

Format For Sundry

**FEDERAL 8-20-9-16****5/1/2007 To 9/30/2007****6/29/2007 Day: 1****Completion**

Rigless on 6/28/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5861' & cement top @ 210'. Perforate stage #1. CP1 sds @ 5484-92' w/ 3 1/8" Slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 139 BWTR. SIFN.

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

Rigless on 7/1/2007 - RU BJ Services. 5 psi on well. Frac CP1 sds w/ 15,470#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3882 psi. Treated w/ ave pressure of 2490 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2369 psi. Leave pressure on well. 413 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5270- 80' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 280 psi on well. Frac LODC sds w/ 29,548#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Broke @ 1855 psi. Treated w/ ave pressure of 2397 psi @ ave rate of 24.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2486 psi. Leave pressure on well. 778 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 9' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5164- 76', 5129-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. RU BJ Services. 990 psi on well. Frac LODC sds w/ 4,712#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 2942 psi. Blender broke down. Went to flush & over displaced treating fluid by 3 bbls. Will Refrac this zone in the morning. ISIP 2340 psi. Leave pressure on well. SIWFN w/ 1167 BWTR.

**7/5/2007 Day: 3****Completion**

Rigless on 7/4/2007 - RU BJ Services. 730 psi on well. Frac LODC sds w/ 95,147#'s of 20/40 sand in 706 bbls of Lightning 17 fluid. Re-broke @ 2538 psi. Treated w/ ave pressure of 2554 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2775 psi. Leave pressure on well. 1873 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 5110'. Perforate LODC sds @ 5055- 74' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. RU BJ Services. 700 psi on well. Frac LODC sds w/ 71,220#'s (Frac was designed for 130,000#'s) of 20/40 sand in 719 bbls of Lightning 17 fluid. Broke @ 2007 psi. Treated w/ ave pressure of 2372 psi @ ave rate of 24.3 BPM. Blender broke down in middle of frac. Was unable to get blender going. Bypassed blender & flushed sand away. ISIP 2680 psi. Leave pressure on well. 2592 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 8' perf gun. Set plug @ 5010'. Perforate A1 sds @ 4963- 71' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. Wait for BJ Services to swap out blender. RU BJ Services. 860 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump ball acid. RU BJ services. Frac A1 sds w/ 40,277#'s of 20/40 sand in 492 bbls of

Lightning 17 fluid. Broke @ 3979 psi. Had trouble getting crosslink (Pumped 92 bbls of fluid before getting crosslink). Treated w/ ave pressure of 2725 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2290 psi. Leave pressure on well. 3084 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 7' perf gun. Set plug @ 4810'. Perforate C sds @ 4704- 4709', D3 sds @ 4656- 4663' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ services. 25 psi on well. Brokedown C & D3 sds @ 2597 psi. Pumped a total of 141 bbls of fluid trying to get fluid to crosslink, Would not crosslink. Retested wtr in frac tanks, Tested good. Tested chemicals from Chem-add unit. Crosslinked a sample for hydration unit, Fluid crosslinked good. It was determined that fluid would not crosslink at the blender (Swapped out blender after Stage #4, Had trouble getting crosslink fluid on stage #5). Shut down for the day. BJ Services is going to look blender & chem-add unit to determine if they can find a problem. Leave pressure on well. 3225 BWTR. Will try to finish frac's on Thursday morning.

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7/6/2007 Day: 4

Completion

Rigless on 7/5/2007 - RU BJ Services. 116 psi on well. Frac C & D3 sds w/ 29,723#'s of 20/40 sand in 376 bbls of Lightning 17 fluid. Re-broke @ 1400 psi (Initial break was 2597 psi). Treated w/ ave pressure of 1630 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1667 psi. Leave pressure on well. 3601 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4570- 76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. psi on well. Frac D1 sds w/ 42,080#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 2816 psi. Treated w/ ave pressure of 1829 psi @ ave rate of 24.4 BPM. ISIP 1875 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 2 1/2 hrs & died. Rec 141 BTF. MIRU NC #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged fill @ 4555'. RU Nabors power. Drill out plug @ 4610'. Circulate well clean w/ EOT @ 4637'. SIWFN w/ 3816 BWTR.

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7/7/2007 Day: 5

Completion

NC #1 on 7/6/2007 - 6:30AM OWU, RIH W/-Tbg To Fill @ 4709', R/U Nabors Pwr Swvl, C/Out To Plg @ 4810', Drill Up Plg, Swvl I/Hle To Fill @ 4963', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5024', C/Out To Plg @ 5110', Drill Up Plg, Swvl I/Hle To Fill @ 5159', C/Out To Plg @ 5230', Drill Up Plg, Swvl I/Hle To Fill @ 5340', C/Out To Plg @ 5380', Drill Up Plg, Swvl I/Hle To Fill @ 5783', C/Out To PBTD @ 5880', Curc Well Clean 1 Hr, POOH W/-4 Jts Tbg EOB @ 5755', R/U Swab RIH IFL @ Surf, Made 13 Swab Runs, Recvred 155 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ 1800', SWI, 6:00PM C/SDFN. Well Gained 42 Bbls Wtr On C/Out To PBTD, Total Wtr Recvery For Day = 197 Bbls.

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7/10/2007 Day: 6

Completion

NC #1 on 7/9/2007 - 6:30AM OWU, RIH W/-4 Jts Tbg To Fill @ 5878', R/U R/pmp & C/Out To PBTD @ 5880', Curc Well Clean, POOH W/-189 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x12x15' RHAC & Rod Production String Shown Below. Seat pmp, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM, 86" SL, 5 SPM, ( Final Report ).

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## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4520'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 175' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 45 sx Class "G" cement down 5 1/2" casing to 364'

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

## FEDERAL 8-20-9-16

Spud Date: 06/05/07  
 Put on Production: 07/09/07  
 GL: 6055' KB: 6067'

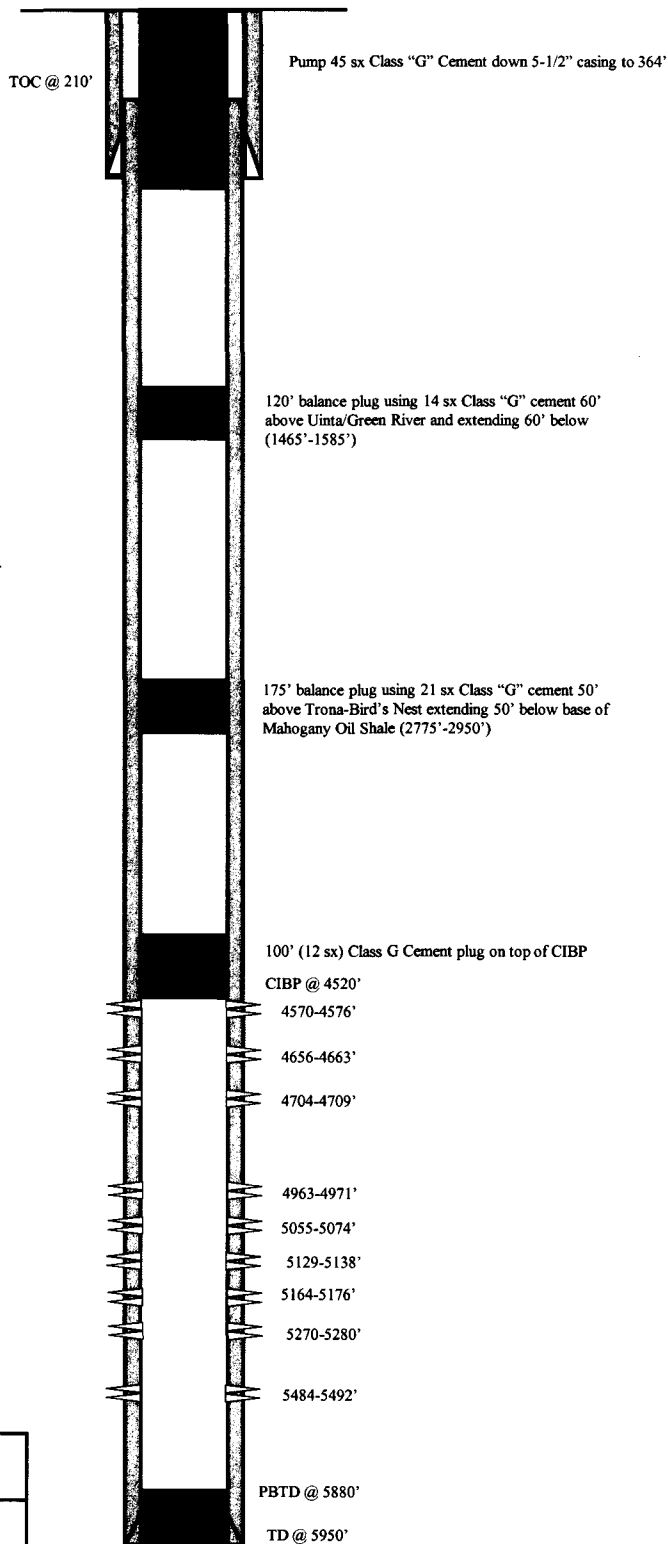
### Proposed P & A Wellbore Diagram


#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.95')  
 DEPTH LANDED: 313.8' KB  
 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: 134 jts. (5920.75')  
 DEPTH LANDED: 5934.00' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP: 210' per CBL 6/28/07




<b>FEDERAL 8-20-9-16</b> 2133'FNL & 746' FEL SE/NE Section 20-T9S-R16E Duchesne Co, Utah API #43-013-33107; Lease # UTU-52018

Sundry Number: 50538 API Well Number: 43013331070000

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018																														
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)																														
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 8-20-9-16																															
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013331070000																															
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE																														
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2133 FNL 0746 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 20 Township: 09 0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH																															
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>																																
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT <small>Approximate date work will start</small>  <input checked="" type="checkbox"/> SUBSEQUENT REPORT <small>Date of Work Completion:</small> 4/29/2014  <input type="checkbox"/> SPUD REPORT <small>Date of Spud:</small>  <input type="checkbox"/> DRILLING REPORT <small>Report Date:</small>	<b>TYPE OF ACTION</b>  <table style="width:100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input checked="" type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMINGLE PRODUCING FORMATIONS</td> <td><input checked="" type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL.</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APO EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input type="text" value="New Perforations"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<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"/> APO EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="New Perforations"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The subject well has been converted from a producing oil well to an injection well on 04/25/2014. New interval perforated, D2 sands - 4622-4627' 3 JSFP. On 04/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/29/2014 the casing was pressured up to 1526 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was an State representative available to witness the test - Chris Jensen.																																
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician																														
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/2/2014																															

RECEIVED: May. 02, 2014

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 4/29/14 Time 9:36  am  pm  
Test Conducted by: Riley Beatty  
Others Present: \_\_\_\_\_

Well: <u>FEDERAL 8-20-9-16</u>	Field: <u>Monument B-14c</u>
Well Location: <u>FEDERAL 8-20-9-16</u>	API No: <u>143-013-33107</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1526</u>	psig
5	<u>1526</u>	psig
10	<u>1526</u>	psig
15	<u>1526</u>	psig
20	<u>1526</u>	psig
25	<u>1526</u>	psig
30 min	_____	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 500 psig

Result:  Pass  Fail

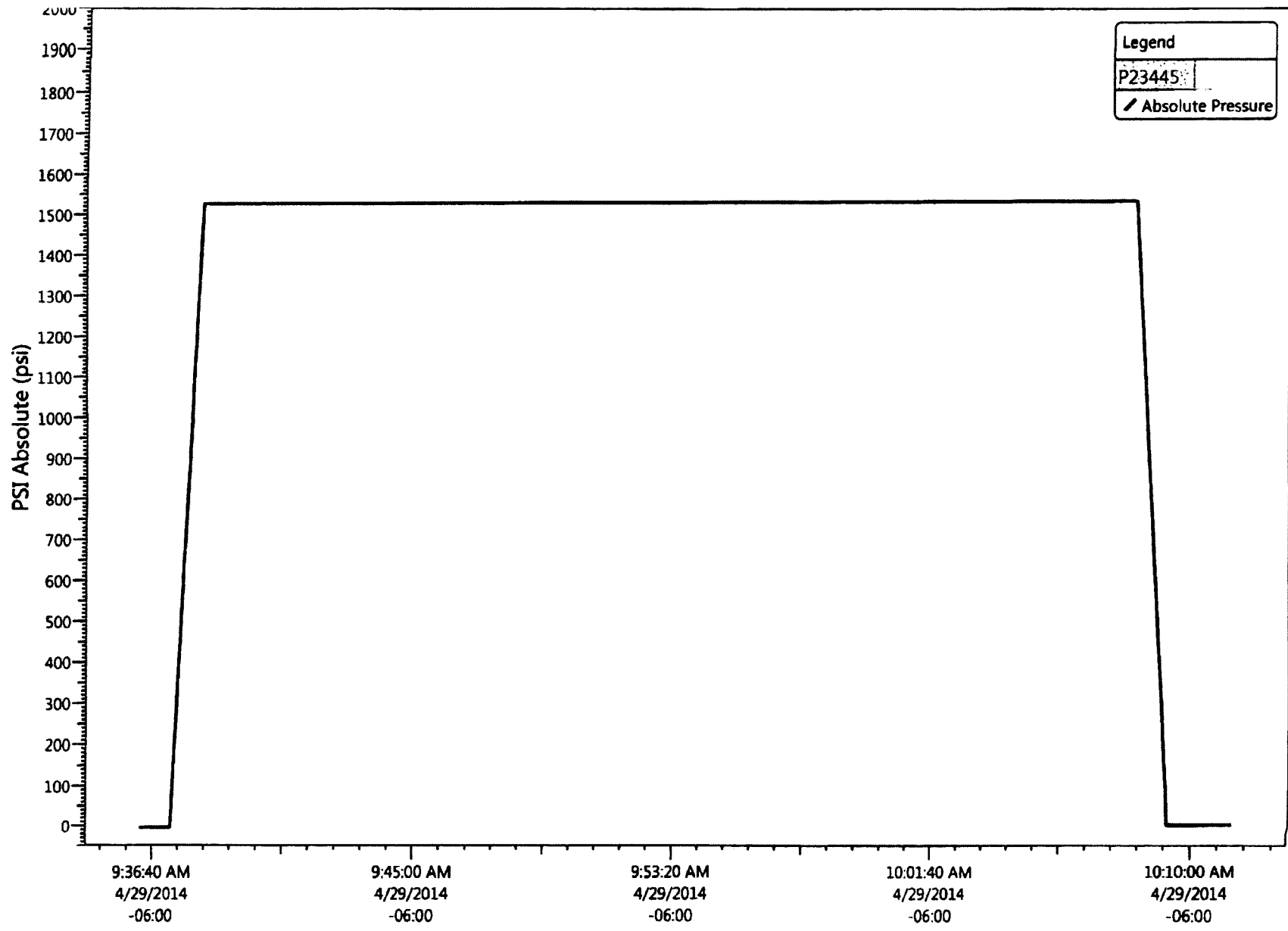
Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_



castle peak 8-20-9-16 (conversion MIT 4/29/14)

4/29/2014 9:35:38 AM



# NEWFIELD



## Job Detail Summary Report

Well Name: Federal 8-20-9-16

Jobs	
Primary Job Type Conversion	Job Start Date 4/15/2014
Job End Date	

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
4/15/2014	4/16/2014	MIRUSU. Unhang head.	
Start Time	12:00	End Time	00:00
Start Time	00:00	End Time	05:00
Start Time	05:00	End Time	12:00
Report Start Date	Report End Date	24hr Activity Summary	
4/16/2014	4/17/2014	LD rods. Tag fill. TOOH w/ tbg. TIH bit scraper	
Start Time	00:00	End Time	07:00
Start Time	07:00	End Time	08:30
Start Time	08:30	End Time	09:30
Start Time	09:30	End Time	13:00
Start Time	13:00	End Time	15:00
Start Time	15:00	End Time	16:00
Start Time	16:00	End Time	18:00
Start Time	18:00	End Time	00:00
Report Start Date	Report End Date	24hr Activity Summary	
4/17/2014	4/18/2014	TOOH w/ bit & scraper. Perforate. PU tools. PU frac string.	
Start Time	00:00	End Time	07:00
Start Time	07:00	End Time	12:00
Start Time	12:00	End Time	14:00
Start Time	14:00	End Time	16:00
Start Time	16:00	End Time	18:30
Start Time	18:30	End Time	00:00
Report Start Date	Report End Date	24hr Activity Summary	
4/21/2014	4/22/2014	Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.	
Start Time	00:00	End Time	07:00
Start Time	07:00	End Time	11:00

**NEWFIELD**



**Job Detail Summary Report**

**Well Name: Federal 8-20-9-16**

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Start Time	11:00	End Time	13:00	Comment
				Set RBP @ 4550'. Fill well w/ 87 bbls. Test casing to 1500 psi w/ 5 bbls water. Good test. Release RBP.
Start Time	13:00	End Time	15:00	Comment
				TIH w/ tbg & set RBP @ 4650'. Set pkr @ 4634'. Test tbg to 4200 psi w/ 8 bbls wtr. Release pkr. Reset @ 4585'. Break zone down @ 2700 psi back to 2400 psi @ 1/4 bpm. ISIP was 2250 psi.
Start Time	15:00	End Time	00:00	Comment
Report Start Date	Report End Date	24hr Activity Summary		
4/22/2014	4/23/2014	Wait on frac crew		
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	15:00	Comment
				Wait on Nabors due to behind schedule for week.
Start Time	15:00	End Time	00:00	Comment
Report Start Date	Report End Date	24hr Activity Summary		
4/23/2014	4/24/2014	RU Nabors frac crew. Frac well. Flow well back. LD L-80 frac string. Load out frac string. RU inj. BHA. RIH w/ tbg. Test tbg.		
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:00	Comment
				Held safety meeting. Open well w/ 0 psi on casing. RU Nabors frac crew.
Start Time	08:00	End Time	10:00	Comment
				D2 sds @ 4622-27'. Down 2-7/8" tbg. Test lines to 5800 psi. Open well w/ 0 psi on casing. Fill casing w/ 20 bbls wtr. Held 200 psi on csg w/ frac w/ 5 bbls wtr. Broke @ 3178 psi. ISIP was 1685. 80FG. Spear head 6 bbls of 15% HCL (rec'd 50 psi drop when hit perms). Treated @ ave pressure of 3666 @ ave rate of 9.5 bpm w/ 220 bbls of 17# Borate Xlink frac fluid in wtr. Treated w/ 20,120# of 20/40 white sand @ 5 ppa. ISIP was 1725 w/ 81FG. 5 min was 1318. 10 min was 1231. 15 min was 1114.
Start Time	10:00	End Time	12:30	Comment
				RD frac crew. Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4650'.
Start Time	12:30	End Time	15:00	Comment
				LD 146 jts L-80 tbg. LD tools. Load out tbg on trailer w/ forklift.
Start Time	15:00	End Time	17:00	Comment
				RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple 1.87" ID on/off tool, 2-7/8" SN. TIH w/ 145 jts of used 2-7/8" J-55 tbg.
Start Time	17:00	End Time	19:00	Comment
				Pump 10 bbls wtr. Drop std vlv. Test tbg to 3000 psi w/ 20 bbls wtr. 3 failed tests.
Start Time	19:00	End Time	00:00	Comment
Report Start Date	Report End Date	24hr Activity Summary		
4/24/2014	4/25/2014	Continue test on tbg. Fish std vlv. RD BOP's. Pump pkr fluid. Set pkr. MIT well. RDMOSU.		
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:30	Comment
				Held safety meeting. Pump pressure to 3000 psi. Good test.
Start Time	08:30	End Time	09:30	Comment
				RU sand line & fish std vlv.

# NEWFIELD



## Job Detail Summary Report

Well Name: Federal 8-20-9-16

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Start Time	09:30	End Time	11:30	Comment	RD BOP's. Pump 50 bbbls pkr fluid. Set pkr w/ 15,000#s tension CE @ 4542' & EOT @ 4552'. Test casing to 1500 psi w/ 20 bbbls of pkr fluid
Start Time	11:30	End Time	19:00	Comment	Failed testing by gaining pressure
Start Time	19:00	End Time	00:00	Comment	
Report Start Date	4/25/2014	Report End Date	4/26/2014	24hr Activity Summary Test casing MIT csg w/ NFX water Services. RDMOSU.	
Start Time	00:00	End Time	07:00	Comment	
Start Time	07:00	End Time	09:00	Comment	Held Safety meeting. Well has 1500 psi on casing. RU Newfield Water Services & run MIT on casing.
Start Time	09:00	End Time	11:00	Comment	RDMOSU.
Start Time	11:00	End Time	00:00	Comment	
Report Start Date	4/29/2014	Report End Date	4/29/2014	24hr Activity Summary Conduct initial MIT	
Start Time	00:00	End Time	02:30	Comment	On 04/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/29/2014 the casing was pressured up to 1526 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Well Name: Federal 8-20-9-16**

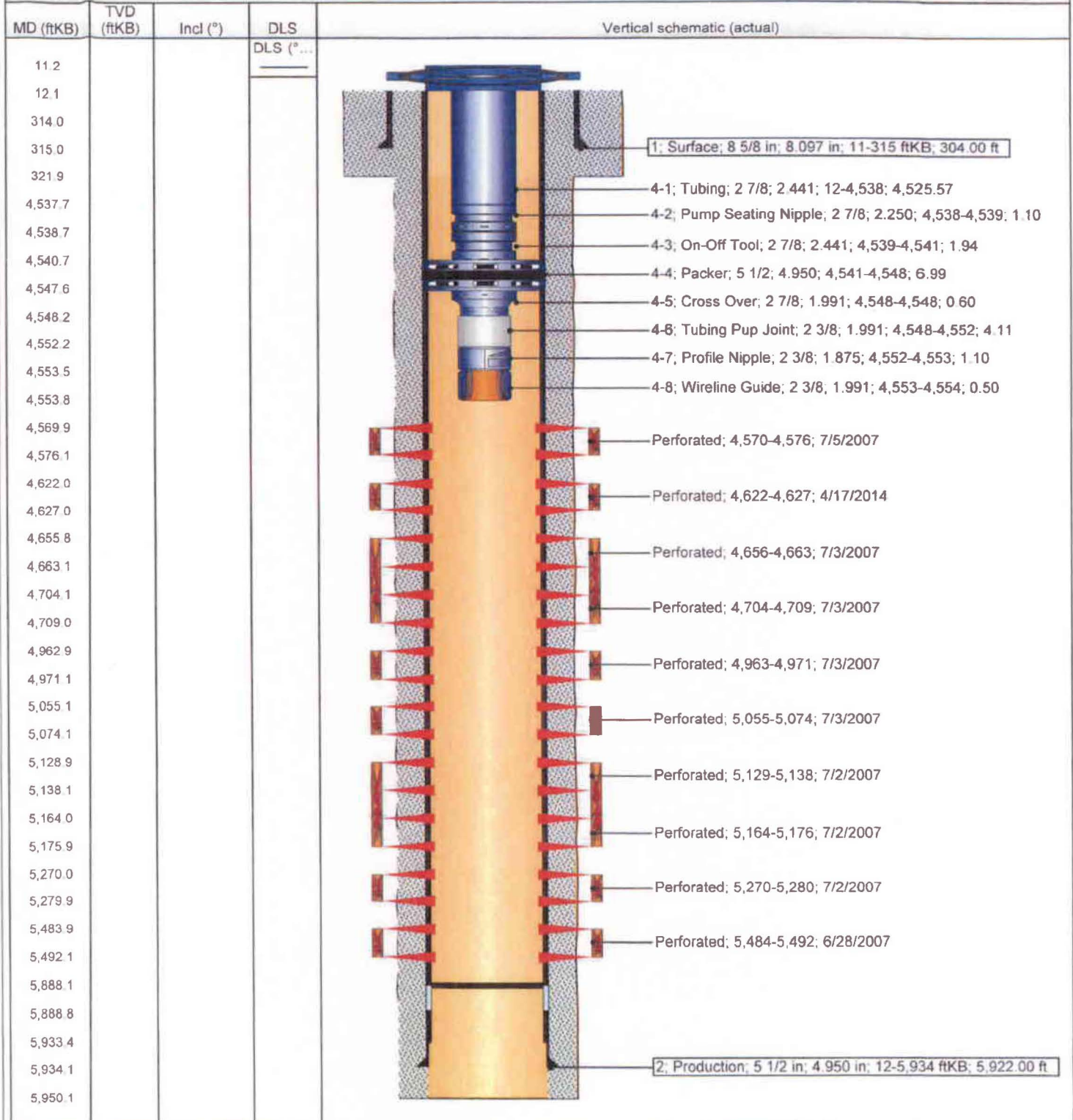
Surface Legal Location 20-9S-16E		AP/WVI 43013331070000	Well RC 500159233	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 6/5/2007	Rig Release Date 6/16/2007	On Production Date 7/9/2007	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,888.0	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 4/15/2014	Job End Date 4/29/2014
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**TD: 5,950.0**

Vertical - Original Hole, 9/15/2014 3:55:07 PM





## Newfield Wellbore Diagram Data Federal 8-20-9-16

Surface Legal Location 20-9S-16E		APN/UWI 43013331070000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 6/5/2007		Spud Date 6/5/2007		Final Rig Release Date 6/16/2007	
Original KB Elevation (ft)		Ground Elevation (ft)		Total Depth (ftKB) 5,950.0	
Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB)		Original Hole - 5,888.0	

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/5/2007	8 5/8	8.097	24.00	J-55	315
Production	6/15/2007	5 1/2	4.950	15.50	J-55	5,934

### Cement

#### String: Surface, 315ftKB 6/5/2007

Cementing Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

#### String: Production, 5,934ftKB 6/16/2007

Cementing Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,950.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premite II w/ 10% gel + 3% KCL, 5#/s/sk CSE + 2# sk/kolseal + 1/4#/s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 300	Class PL II	Estimated Top (ftKB) 12.0
Fluid Description 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F 2% gel, 3% SM		Fluid Type Tail	Amount (sacks) 425	Class 50:50	Estimated Top (ftKB) 12.0

### Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)
Tubing		4/24/2014				4,553.9		
Tubing	145	2 7/8	2.441	6.50	J-55	4,525.57	12.0	4,537.6
Pump Seating Nipple	1	2 7/8	2.250		N-80	1.10	4,537.6	4,538.7
On-Off Tool	1	2 7/8	2.441			1.94	4,538.7	4,540.6
Packer	1	5 1/2	4.950			6.99	4,540.6	4,547.6
Cross Over	1	2 7/8	1.991			0.60	4,547.6	4,548.2
Tubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.11	4,548.2	4,552.3
Profile Nipple	1	2 3/8	1.875		N-80	1.10	4,552.3	4,553.4
Wireline Guide	1	2 3/8	1.991			0.50	4,553.4	4,553.9

### Rod Strings

Rod Description		Run Date		Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)

### Perforation Intervals

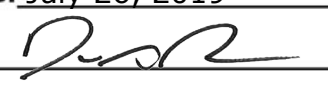
Stage#	Zone	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
7	D1, Original Hole	4,570	4,576	4	120		7/5/2007
1	D2, Original Hole	4,622	4,627	3	120	0.340	4/17/2014
6	D3, Original Hole	4,656	4,663	4	120		7/3/2007
6	C, Original Hole	4,704	4,709	4	120		7/3/2007
5	A1, Original Hole	4,963	4,971	4	120		7/3/2007
4	LODC, Original Hole	5,055	5,074	4	120		7/3/2007
3	LODC, Original Hole	5,129	5,138	4	120		7/2/2007
3	LODC, Original Hole	5,164	5,176	4	120		7/2/2007
2	LODC, Original Hole	5,270	5,280	4	120		7/2/2007
1	CP1, Original Hole	5,484	5,492	4	120		6/28/2007

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,369	0.86	24.7	2,715			
2	2,486	0.9	24.5	2,730			
3	2,775	0.97	24.5	2,874			
4	2,680	0.96	24.7	2,660			
5	2,290	0.89	24.8	3,000			
6	1,667	0.79	24.7	1,840			
7	1,875	0.84	24.6	2,009			
8	1,725	0.806	17.2	4,095	222	323	222



Proppant		
Stage#	Total Prop Vol Pumped (b)	Total Add Amount
1		
2		
3		
4		
5		
6		
7		
8	20,120	Main White Sand 20120 lbs

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> Federal 8-20-9-16	
<b>2. NAME OF OPERATOR:</b> Newfield Production Company	<b>9. API NUMBER:</b> 43013331070000	
<b>3. ADDRESS OF OPERATOR:</b> 4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380	<b>PHONE NUMBER:</b> 435-646-4802	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2133 FNL 746 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 20 Township: 9S Range: 16E Meridian: S	<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/28/2019  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="MIT"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>		
<p>On 03/26/2019 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 03/28/2019 the casing was pressured up to 1074 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1626 psig during the test. There was not a State representative available to witness the test.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>Date:</b> <u>July 26, 2019</u></p> <p><b>By:</b> </p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Field Production Assistant
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/2/2019



### Casing or Annulus Pressure Mechanical Integrity Test

Newfield Production Company

Rt 3 Box 3630  
 Myton, UT 84052  
 435.646.3721

UDOGM Witness: \_\_\_\_\_ Date: 3-28-19 Time: 9:54  am  pm  
 Test Conducted By: EVERETT UNR4H  
 Others Present: \_\_\_\_\_

Well Name: <u>FEDERAL 8-20-9-16</u>			
Field: <u>MONUMENT BUTTE</u>	County: <u>Duchesne</u>	State: <u>UT</u>	
Location: <u>SENE</u> Sec: <u>20</u>	T <u>9</u> N/S <u>R 16</u>	<input checked="" type="radio"/> E/W	
Operator: <u>NEWFIELD</u>		API # <u>43-013-33107</u>	
Last MIT: <u>4/29/2014</u>		Maximum Allowable Pressure: <u>1670</u>	psig

Is this a regulary scheduled test?  Yes  No  
 Initial Test for Permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injection during test?  Yes  No If Yes, rate: 32 bpd

Pre-test casing / tubing annulus pressure: 0 / 1625 psig

MIT DATA TABLE		Test #1	Test #2
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1625</u>	psig	psig
End of test pressure	<u>1626</u>	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1079.6</u>	psig	psig
5 minutes	<u>1079.0</u>	psig	psig
10 minutes	<u>1078.0</u>	psig	psig
15 minutes	<u>1076.8</u>	psig	psig
20 minutes	<u>1076.0</u>	psig	psig
25 minutes	<u>1074.8</u>	psig	psig
30 minutes	<u>1074.2</u>	psig	psig
_____ minutes		psig	psig
_____ minutes		psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

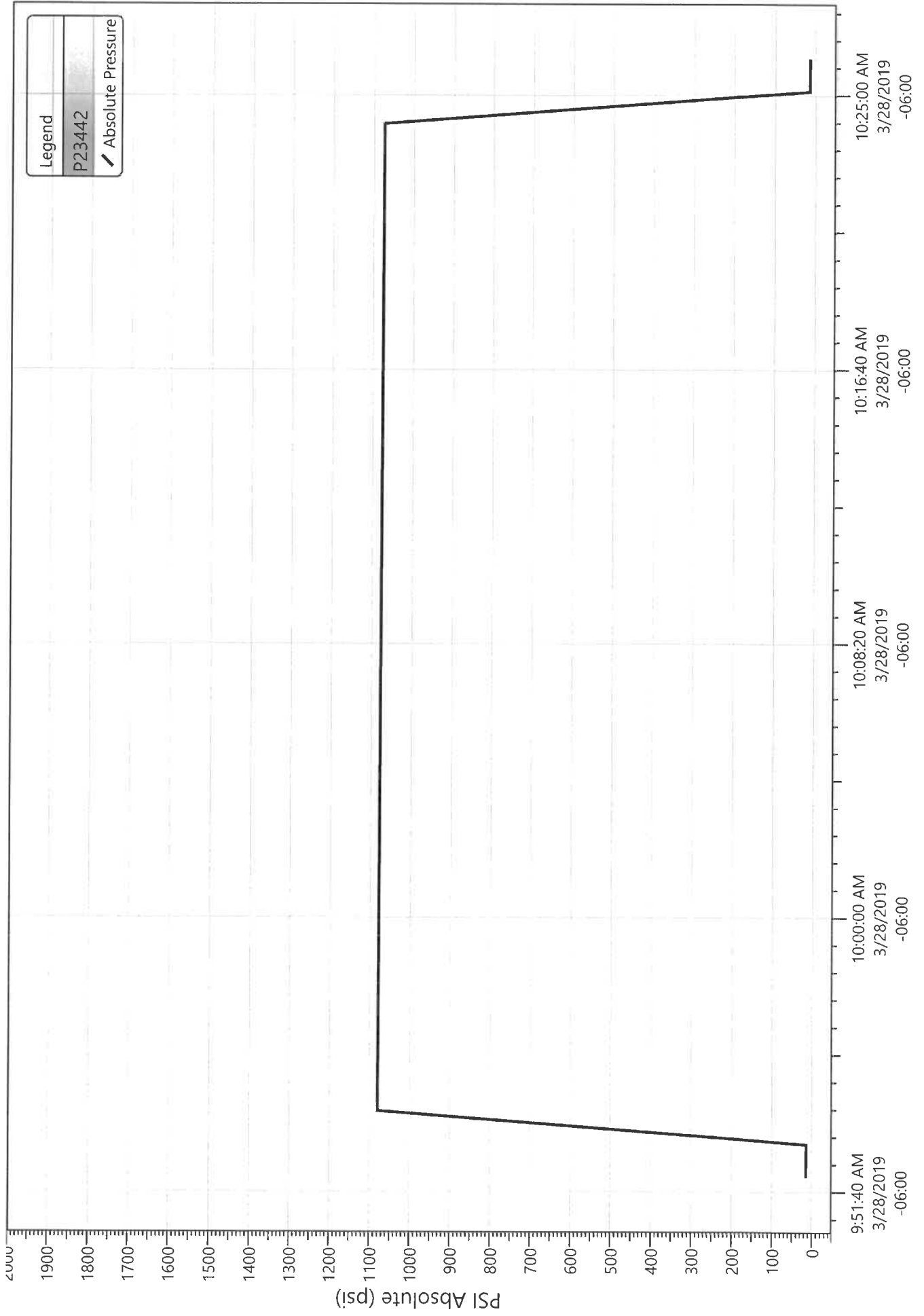
Does the annulus pressure build back up after test?  Yes  No

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

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

Signature of Person Conducting Test: Everett Unruh

Federal 8-20-9-16 (3/28/2019, 5 yr. MIT)  
3/28/2019 9:51:29 AM



Division of Oil, Gas and Mining  
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/24/2020

<b>FORMER OPERATOR:</b> Newfield Production Company	<b>NEW OPERATOR:</b> Ovintiv Production, Inc.
Groups: Greater Monument Butte	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4704

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 3/16/2020
- Sundry or legal documentation was received from the **NEW** operator on: 3/16/2020
- New operator Division of Corporations Business Number: 755627-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/2/2020
- Reports current for Production/Disposition & Sundries: 1/14/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 12/21/2020
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 3/25/2020

Surface Facility(s) included in operator change:

- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17
- Ashley Fed 8-14-9-15 Pipeline
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Temporary Produced Water Conditioning Site
- Dart Temporary Produced Water Facility
- Earl Temporary Water Treatment Facility

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): B001834.A  
 107238142-Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on: 1/14/2021

Group(s) update in RDBMS on: 1/14/2021

Surface Facilities update in RBDMS on: 1/14/2021

Entities Updated in RBDMS on:

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**see attached list**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**see attached**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
**see attached**

2. NAME OF OPERATOR:  
**Newfield Production Company**

9. API NUMBER:  
**attached**

3. ADDRESS OF OPERATOR:  
4 Waterway Square Place St. CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:  
**(435) 646-4936**

10. FIELD AND POOL, OR WILDCAT:  
**attached**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

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

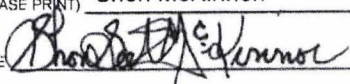
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:  
Newfield Production Company  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NEW NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies  
SIGNATURE  DATE 3/16/2020

(This space for State use only)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>see attached list</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>see attached</b>
1. TYPE OF WELL:    OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Newfield Production Company</b>		8. WELL NAME and NUMBER: <b>see attached</b>
3. ADDRESS OF OPERATOR: 4. Waterway Square Place SU CITY The Woodlands    STATE TX    ZIP 77380		9. API NUMBER: <b>attached</b>
PHONE NUMBER: <b>(435) 646-4936</b>		10. FIELD AND POOL, OR WILDCAT: <b>attached</b>
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: _____		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:  
Newfield Production Company  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NEW NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(435)646-4825

NAME (PLEASE PRINT) <u>Shon McKinnon</u>	TITLE <u>Regulatory Manager, Rockies</u>
SIGNATURE	DATE <u>3/16/2020</u>

(This space for State use only)



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number <b>See attached list</b>	API Number <b>Attached</b>
Location of Well	Field or Unit Name <b>See Attached</b>
Footage : County :	Lease Designation and Number <b>See Attached</b>
QQ, Section, Township, Range: State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/24/2020

**CURRENT OPERATOR**

Company: <u>Newfield Production Company</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

**NEW OPERATOR**

Company: <u>Ovintiv Production, Inc</u>	Name: <u>Shon McKinnon</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Regulatory Manager, Rockies</u>
Phone: <u>(435) 646-4825</u>	Date: <u>3/18/2020</u>
Comments:	

(This space for State use only)

Approved by the  
Utah Division of  
Oil, Gas and Mining

Mar 25, 2020

EPA approval required

Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

Effective Date: 7/1/2021

<b>FORMER OPERATOR:</b> Ovintiv Production, Inc.	<b>NEW OPERATOR:</b> Ovintiv USA, Inc.
Groups: Greater Monument Butte	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4689  
 Pre-Notice Completed: 9/22/2021

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
- Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
- New operator Division of Corporations Business Number: 5053175-0143

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 9/15/2021
- Reports current for Production/Disposition & Sundries: 9/22/2021
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/25/2021
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/4/2021
- Surface Facility(s) included in operator change:

- Monument Butte Liq. Cond.
- Pleasant Valley (New)
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Ashley
- Sundance
- Ranch
- Pleasant Valley
- Monument Butte
- Ashley Fed 8-14-9-15 Pipeline
- Ute Tribal 4-13-4-2W Pipeline
- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): B001834-B  
 107238142A

**DATA ENTRY:**

Well(s) update in the RBDMS on: 11/24/2021

Group(s) update in RDBMS on: 11/21/2021

Surface Facilities update in RBDMS on: 11/24/2021

Entities Updated in RBDMS on: 11/24/2021

**COMMENTS:**

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additional bond will be required at this time.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

**SUNDRY NOTICES AND REPORTS ON WELLS**

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:  
Ovintiv Production, Inc.

9. API NUMBER:

3. ADDRESS OF OPERATOR:  
4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380

PHONE NUMBER:  
(281) 210-5100

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 7/1/2021	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. Attached is a list of all wells that will be operated under Ovintiv USA Inc. effect July 1, 2021.

PREVIOUS NAME:  
Ovintiv Production Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NEW NAME:  
Ovintiv USA Inc.  
4 Waterway Square Place Suite 100  
The Woodlands, TX 77380  
(281) 210-5100

NAME (PLEASE PRINT) Julia Carter

TITLE Manager, US Regulatory Operations

SIGNATURE *Julia M Carter*

DATE 9/8/2021

(This space for State use only)

**APPROVED**

By Utah Division of  
Oil, Gas, and Mining

*Rachel Medina*





**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number See attached list	API Number Attached
Location of Well	Field or Unit Name See Attached
Footage :  County :	Lease Designation and Number See Attached
QQ, Section, Township, Range:  State : UTAH	

EFFECTIVE DATE OF TRANSFER: 7/1/2021

**CURRENT OPERATOR**

Company: <u>Ovintiv Production, Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

**NEW OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Julia Carter</u>
Address: <u>4 Waterway Square Place Suite 100</u>	Signature: <u><i>Julia M. Carter</i></u>
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Manager, US Regulatory Operations</u>
Phone: <u>(281) 210-5100</u>	Date: <u>9/8/2021</u>
Comments:	

(This space for State use only) Approved by the  
Utah Division of  
Oil, Gas and Mining  
*[Signature]*  
Oct 04, 2021

EPA approval required  
Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

Effective Date: 9/1/2022

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Ovintiv USA, Inc.	Scout Energy Management, LLC
Groups:	

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 2888

Pre-Notice Completed: 10/19/2022

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2022
- Sundry or legal documentation was received from the **NEW** operator on: 9/26/2022
- New operator Division of Corporations Business Number: 12607016-0161

**REVIEW:**

- Receipt of Acceptance of Drilling Procedures for APD on: 11/15/2022
- Reports current for Production/Disposition & Sundries: 10/19/2022
- OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/11/2022
- UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Orlan 12/15/2022
- Surface Facility(s) included in operator change: 10/19/2022

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s):  
 612402641-Blanket Bond  
 612402460-Full-Cost Shut-In Bond

**DATA ENTRY:**

Well(s) update in the RBDMS on: 12/20/2022 and 1/25/2023

Group(s) update in RDBMS on: 12/20/2022

Surface Facilities update in RBDMS on: NA

Entities Updated in RBDMS on: 1/25/2023

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**See attached Exhibit A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**None - N/A**

7. UNIT or CA AGREEMENT NAME:  
**Greater Monument Butte Unit**

8. WELL NAME and NUMBER:  
**See attached Exhibit A**

9. API NUMBER:  
**Attached**

10. FIELD AND POOL, OR WILDCAT:  
**See attached Exhibit A**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**Scout Energy Management, LLC**

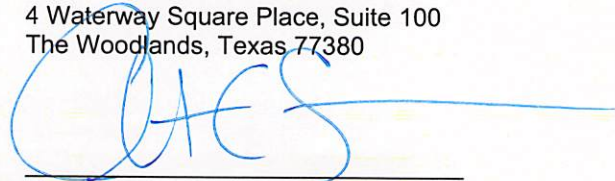
3. ADDRESS OF OPERATOR:  
13800 Montfort Road, Suite 1 CITY Dallas STATE TX ZIP 75240  
PHONE NUMBER: (972) 325-1096


4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **See attached Exhibit A** COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: **UTAH**

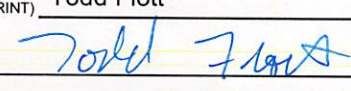
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>9/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:  
Ovintiv USA Inc.  
4 Waterway Square Place, Suite 100  
The Woodlands, Texas 77380  
  
Signature - Christian C. Sizemore  
Director, Rockies and Land Innovation  
State/Fee Bond #105189977  
BLM Bond #105073466

NEW OPERATOR:  
Scout Energy Management, LLC  
13800 Montfort Road, Suite 100  
Dallas, TX 75240  
  
Signature - Todd Flott  
Managing Director  
State/Fee Bond #612402460 / #61242461  
BLM Bond #612402462

NAME (PLEASE PRINT) Todd Flott TITLE Managing Director  
SIGNATURE  DATE 8/31/2022

(This space for State use only)

**APPROVED**  
By Rachel Medina at 10:58 am, Dec 21, 2022



**TRANSFER OF AUTHORITY TO INJECT**

Well Name and Number see attached list		API Number attached
Location of Well		Field or Unit Name see attached Exhibit A
Footage :	County : see attached	Lease Designation and Number see attached Exhibit A
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2022

**CURRENT OPERATOR**

Company: <u>Ovintiv USA Inc.</u>	Name: <u>Christian C. Sizemore</u>
Address: <u>4 Waterway Square Place, Suite 100</u>	Signature:
<u>city The Woodlands state TX zip 77380</u>	Title: <u>Director, Rockies and Land Innovation</u>
Phone: <u>281-210-5100</u>	Date: <u>11/16/2022</u>
Comments: UIC wells under UDOGM Jurisdiction	

**NEW OPERATOR**

Company: <u>Scout Energy Management LLC</u>	Name: <u>Jon Piot</u>
Address: <u>13800 Montford Road, Suite 100</u>	Signature:
<u>city Dallas state TX zip 75240</u>	Title: <u>Managing Director</u>
Phone: <u>972-325-1027</u>	Date: <u>11/15/2022</u>
Comments: Change of operator effective 9/1/2022	

(This space for State use only)

EPA approval required

Max Inj. Press.  
Max Inj. Rate  
Perm. Inj. Interval  
Packer Depth  
Next MIT Due

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF TRIBAL, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> Greater Monument Butte
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> Federal 8-20-9-16
<b>2. NAME OF OPERATOR:</b> Scout Energy Management, LLC		<b>9. API NUMBER:</b> 43013331070000
<b>3. ADDRESS OF OPERATOR:</b> 13800 Montfort Drive, Suite 100 , Dallas , TX, 75240	<b>PHONE NUMBER:</b> 972-277-1397	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2133 FNL 746 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 20 Township: 9S Range: 16E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> 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 checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 1/31/2024		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:		<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> An updated 5 YR MIT was performed on the above listed well. On 1/31/24 the casing was pressured up to 1169 PSIG and charted for 20 minutes with no pressure loss. The tubing was 1646 PSIG during the test. State representative, Adam Miller, was present to witness the test.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY (This is not an approval) February 15, 2024</b>
<b>NAME (PLEASE PRINT)</b> Danene Harvey	<b>PHONE NUMBER</b> 972-325-1114	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 2/5/2024

## Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

Scout EP  
1820 W Highway 40  
Roosevelt, UT 84066  
435.352.6282

Witness \_\_\_\_\_ Date: 1/31/24 Time: 1:20 am pm @  
 Test Conducted By: Jimmie Banks  
 Others Present: \_\_\_\_\_ 43-013-33107

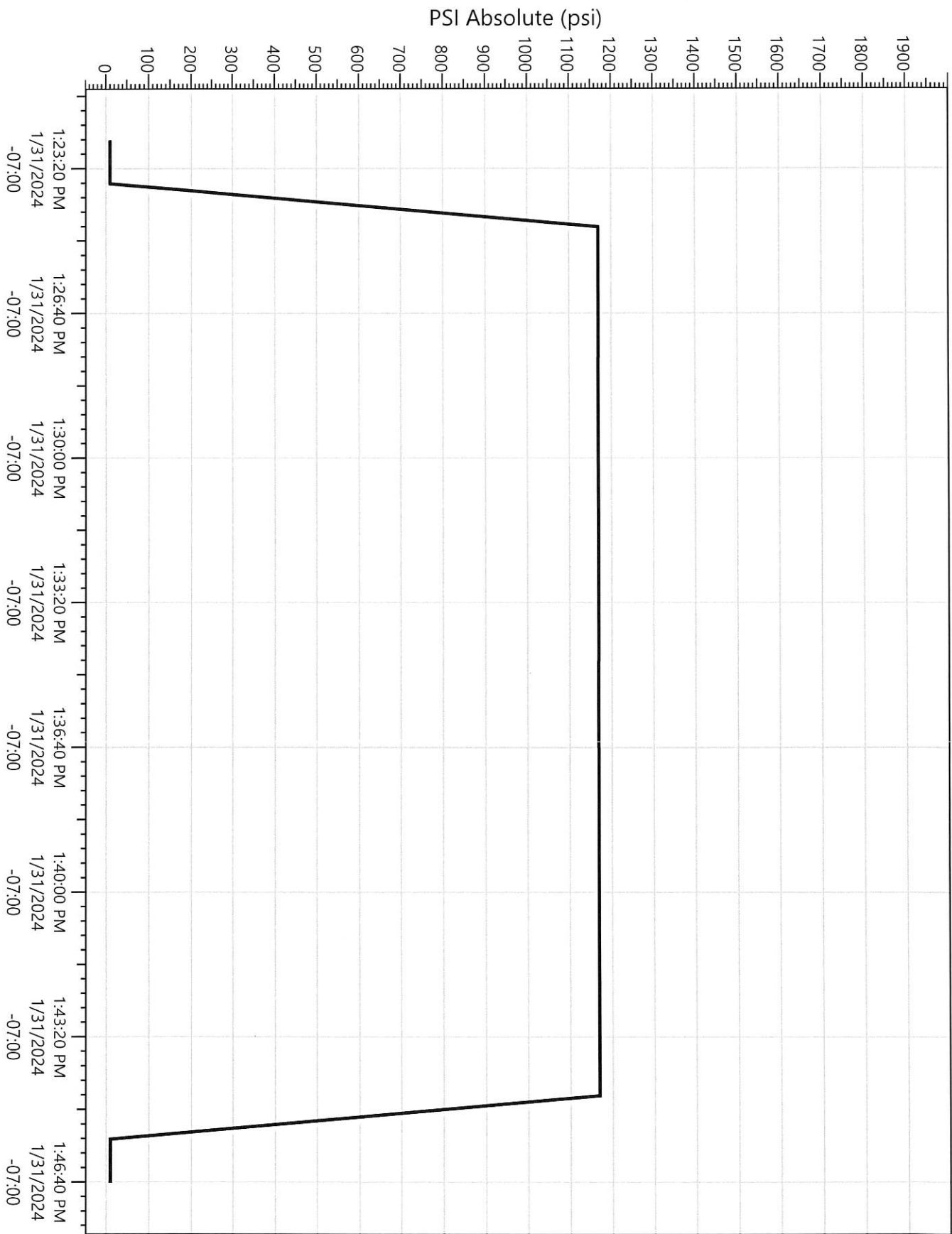
Well Name: <u>Federal 8-20-9-16</u>		County: <u>Duchesne</u>	State: <u>UT</u>
Field: <u>Greater Monument Battle</u>	Location: <u>8</u> Sec: <u>20</u> T: <u>9</u> N: <u>10</u> R: <u>16</u> W: _____		
Operator: <u>Scout EP</u>		Maximum Allowable Pressure: <u>1670</u> psig	
Last MI: <u>1</u>			

Is this a regulary scheduled test? {  } Yes {  } No  
 Initial Test for Permit? {  } Yes {  } No  
 Test after well rework? {  } Yes {  } No  
 Well injection during test? {  } Yes {  } No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing / tubing annulus pressure: 0 / 1646 psig

MIT DATA TABLE		Test #1	Test #2
TUBING PRESSURE			
Initial Pressure	<u>1646</u>	psig	psig
End of test pressure	<u>1645</u>	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1169</u>	psig	psig
5 minutes	<u>1169</u>	psig	psig
10 minutes	<u>1169</u>	psig	psig
15 minutes	<u>1169</u>	psig	psig
20 minutes	<u>1169</u>	psig	psig
25 minutes		psig	psig
30 minutes		psig	psig
_____ minutes		psig	psig
_____ minutes		psig	psig
RESULT	{ <input checked="" type="checkbox"/> } Pass	{ <input type="checkbox"/> } Fail	{ <input type="checkbox"/> } Pass { <input type="checkbox"/> } Fail

Does the annulus pressure build back up after test? {  } Yes {  } No  
 Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:  
 Signature of Witness: \_\_\_\_\_  
 Signature of Person Conducting Test: Jimmie Banks



Federal 8-20-9-16  
1/31/2024 1:22:39 PM

Legend
P23425
Pressure