

NEWFIELD



November 22, 2005

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

RE: Applications for Permit to Drill: Federal 2-22-9-16, 8-22-9-16, 5-23-9-16, 8-23-9-16, 6-24-9-16, and Sundance Federal 12-1-9-17.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 8-22-9-16 is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,


Mandie Crozier
Regulatory Specialist

mc
enclosures

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-64379
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 8-22-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 2200' FNL 618' FEL 577007X 40.01754 At proposed prod. zone 4429884Y -110.09765		9. API Well No. 43-013-3 2959
14. Distance in miles and direction from nearest town or post office* Approximatley 18.9 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 618' f/lse, NA' f/unit	16. No. of Acres in lease 1626.36	11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 22, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1582'	19. Proposed Depth 5850'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5779' GL	22. Approximate date work will start* 1st Quarter 2006	13. State UT
20. BLM/BIA Bond No. on file UT0056		
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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 11/22/05
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-26-06
Title ENVIRONMENTAL SCIENTIST III		

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

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

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

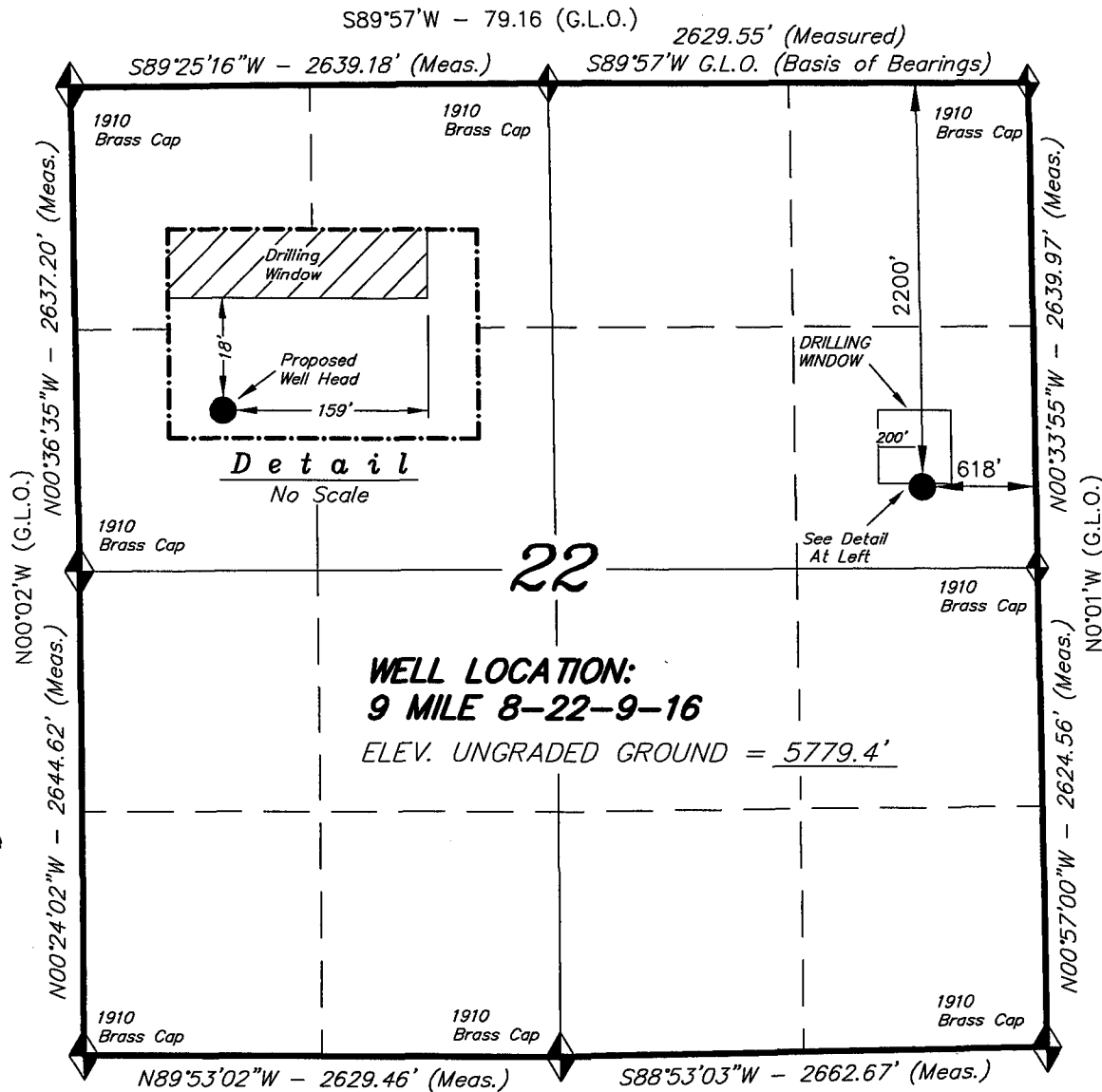
NOV 23 2005

DIV. OF OIL, GAS & MINING

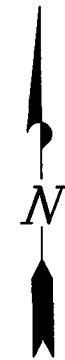
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

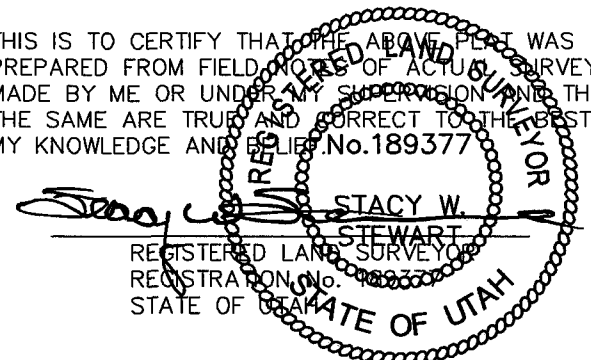
WELL LOCATION, 9 MILE 8-22-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NE
 1/4 OF SECTION 22, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
9 MILE 8-22-9-16
 ELEV. UNGRADED GROUND = 5779.4'



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



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

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 10-3-05	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

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

NEWFIELD PRODUCTION COMPANY
FEDERAL #8-22-9-16
SE/NE SECTION 22, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 1955'
Green River	1955'
Wasatch	5850'

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

Green River Formation 1955' - 5850' - 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 #8-22-9-16
SE/NE SECTION 22, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #8-22-9-16 located in the SE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles \pm to its junction with an existing dirt road to the southwest; proceed southwesterly - 5.6 miles \pm to its junction with the beginning of the proposed access road; proceed along the proposed access road - 150' \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 # 05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #8-22-9-16 Newfield Production Company requests 150' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 150' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 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 that 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 June 30. If the nest remains inactive on June 30th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between June 30 and March 1 of the following year. If the nest site becomes active prior to June 30, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass *Agropyron Cristatum* 12 lbs/acre

Details of the On-Site Inspection

The proposed Federal #8-22-9-16 was on-sited on 8/31/05. The following were present; Shon Mckinnon (Newfield Production) and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

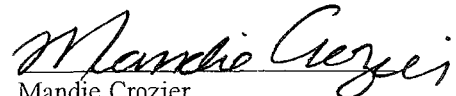
Name: Shon Mckinnon
Address: Route #3 Box 3630
 Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-22-9-16 SE/NE Section 22, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

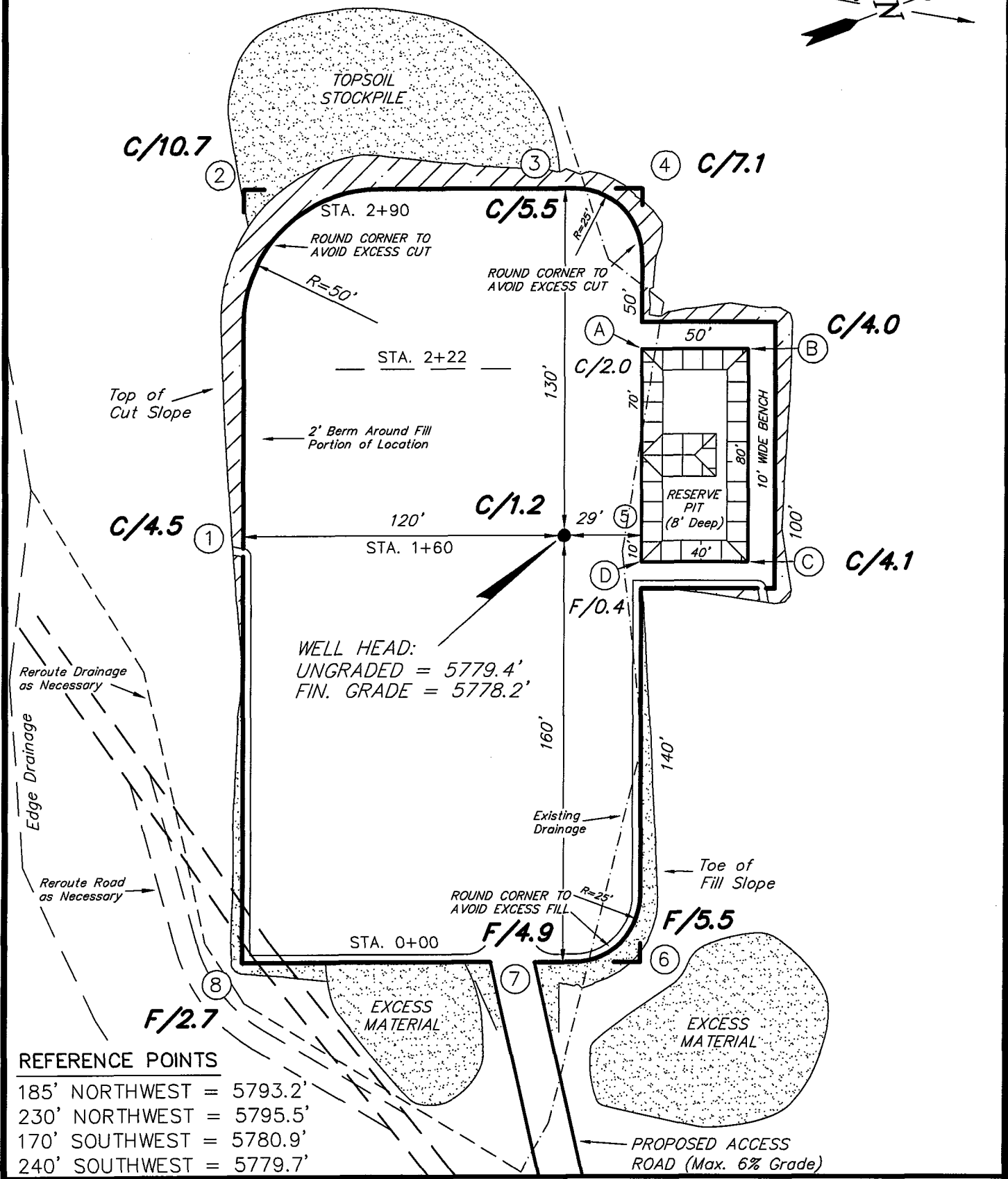
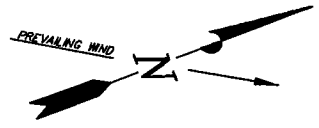
November 22, 2005
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 8-22-9-16

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



WELL HEAD:
 UNGRADED = 5779.4'
 FIN. GRADE = 5778.2'

REFERENCE POINTS

- 185' NORTHWEST = 5793.2'
- 230' NORTHWEST = 5795.5'
- 170' SOUTHWEST = 5780.9'
- 240' SOUTHWEST = 5779.7'

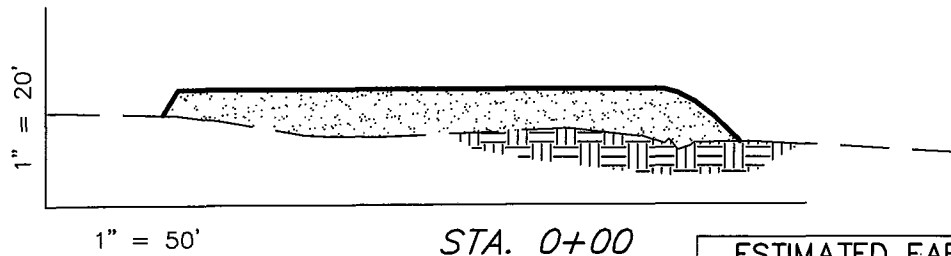
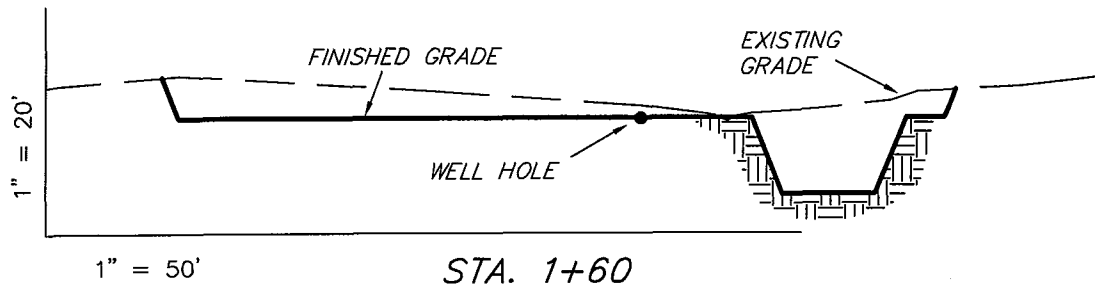
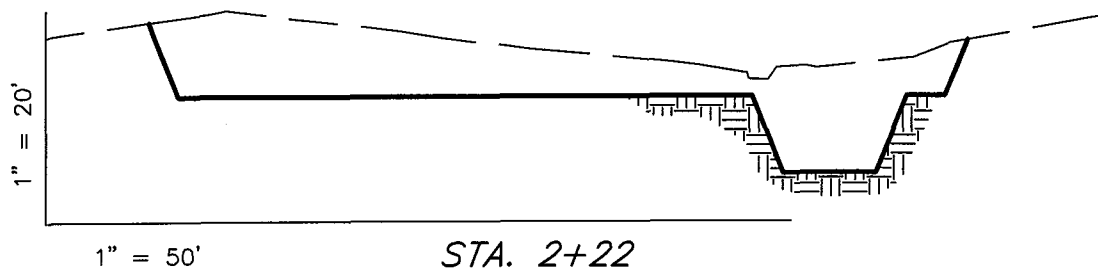
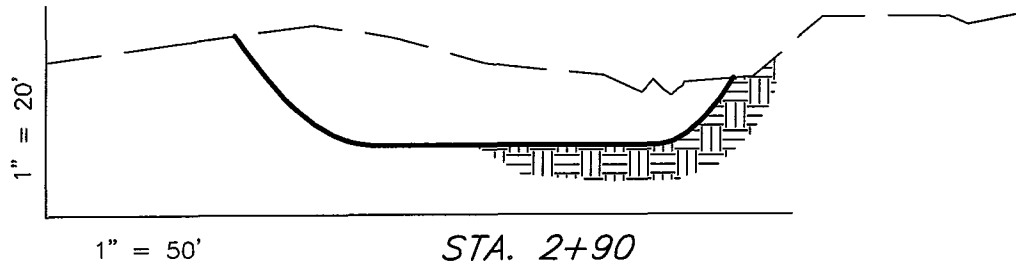
SURVEYED BY: D.P.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 10-3-05

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 8-22-9-16



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,730	1,890	Topsoil is not included in Pad Cut	2,840
PIT	640	0		640
TOTALS	5,370	1,890	980	3,480

SURVEYED BY: D.P.

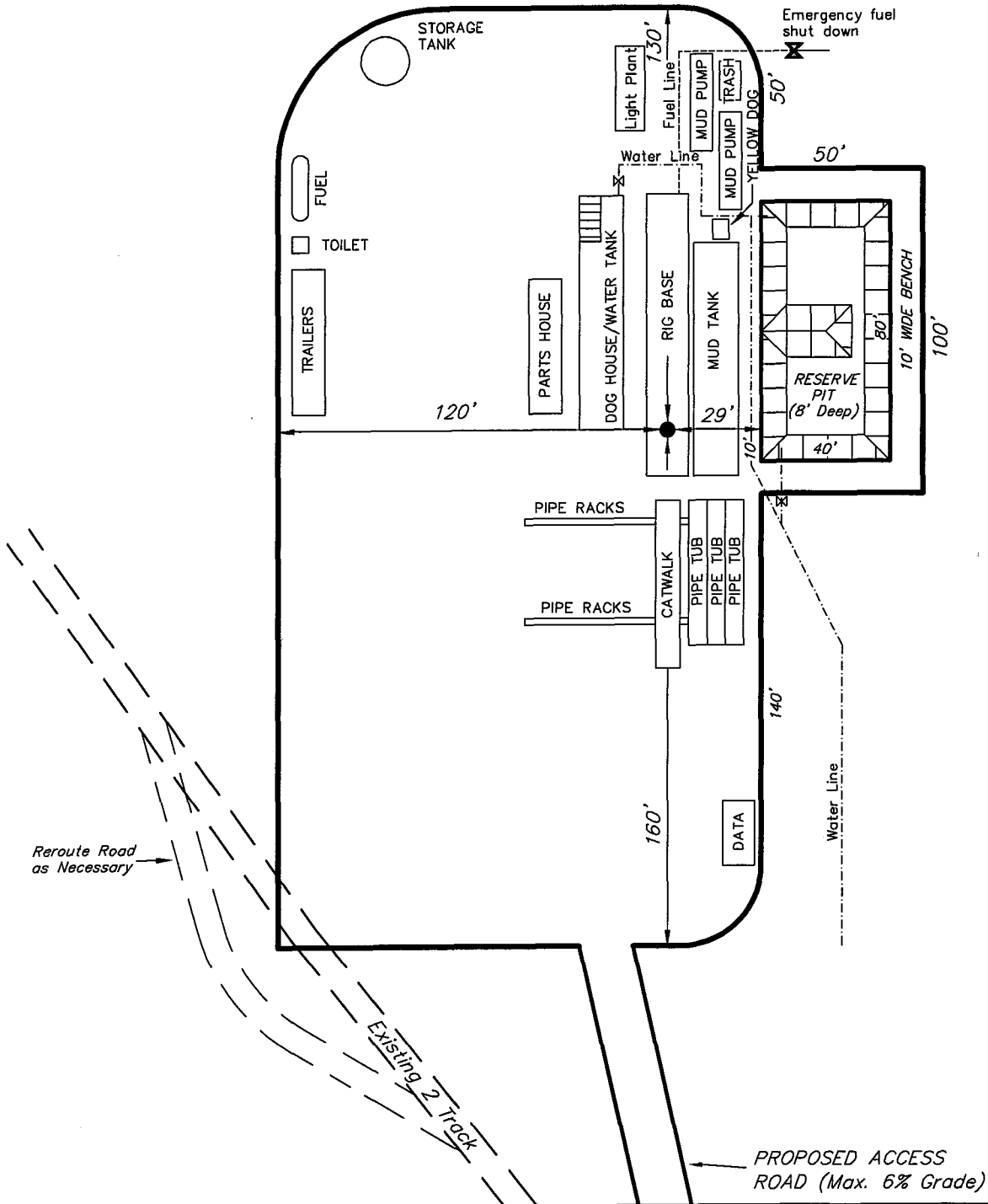
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-3-05

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

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
9 MILE 8-22-9-16



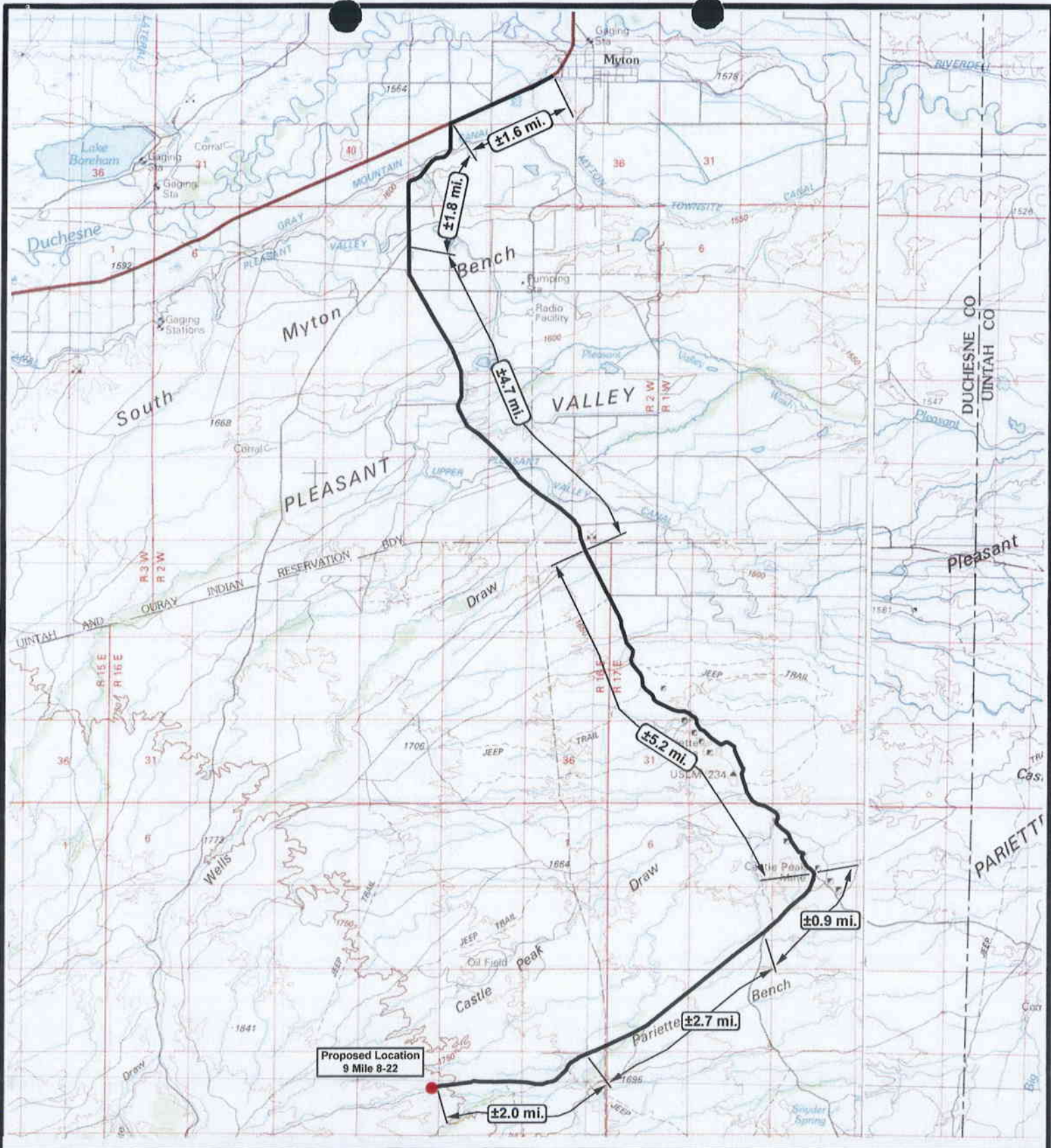
SURVEYED BY: D.P.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 10-3-05

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



NEWFIELD
Exploration Company

9 Mile 8-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.



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

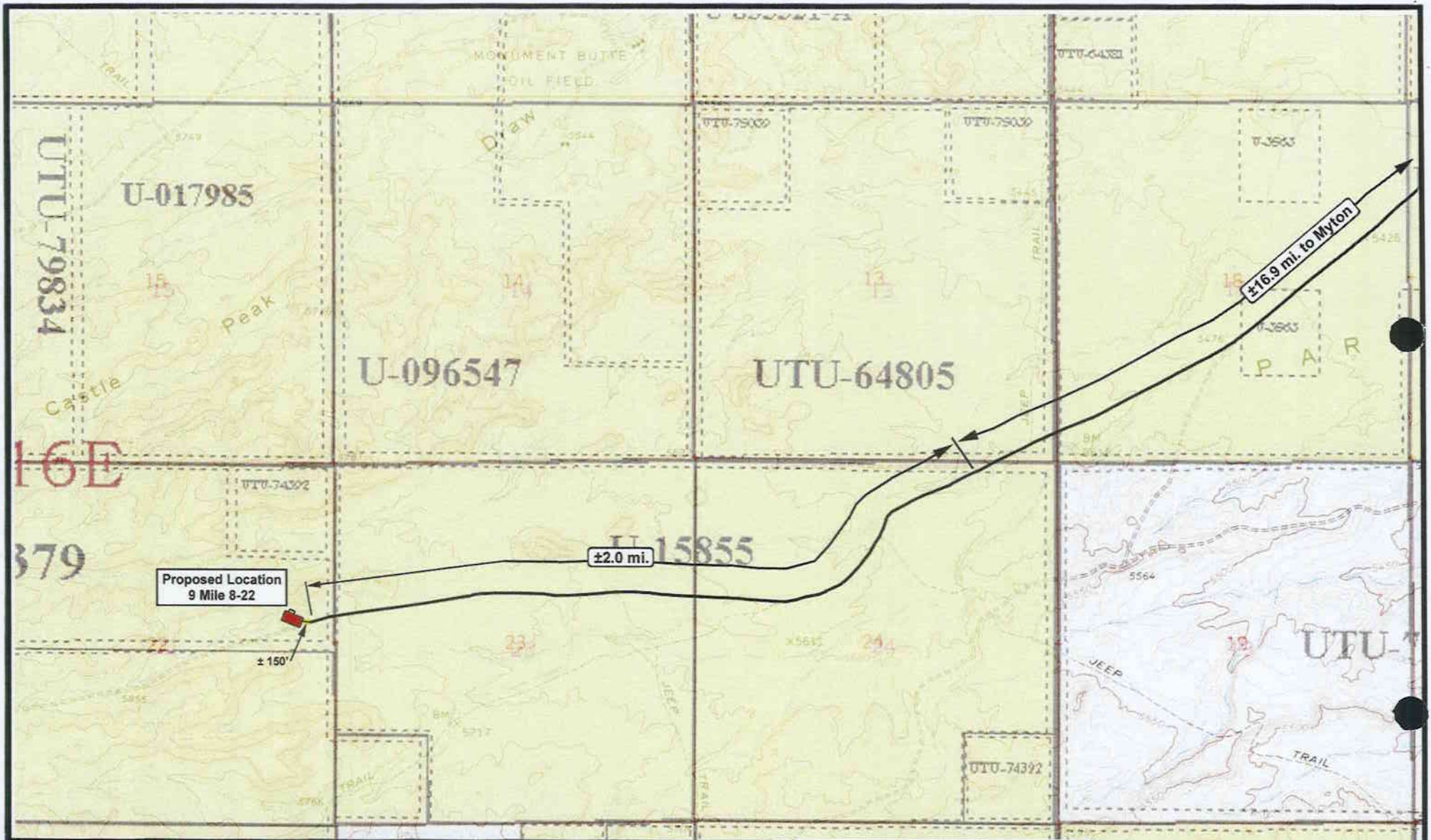
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DRAWN BY: mw
DATE: 10-04-2005

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

9 Mile 8-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.

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

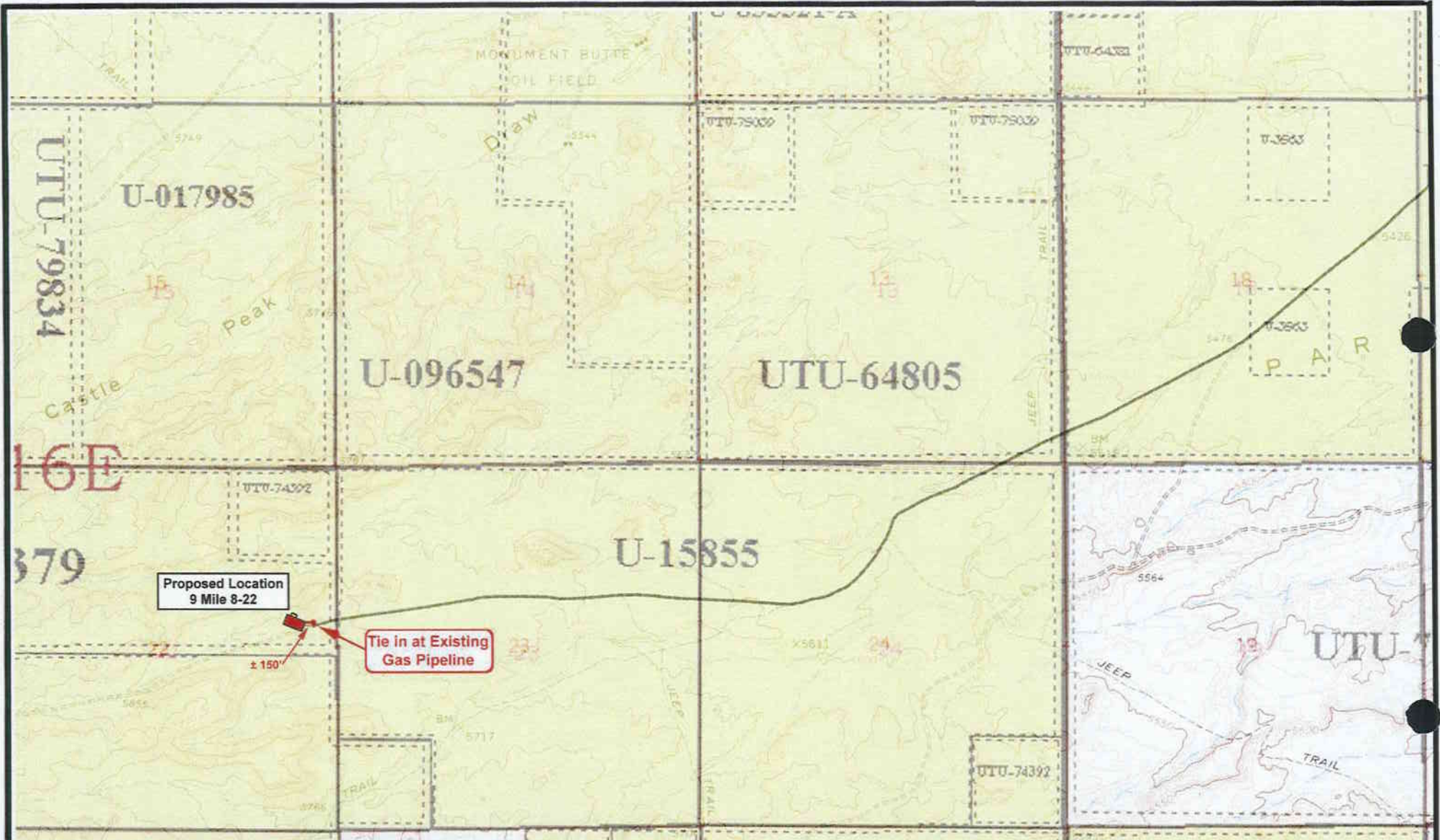
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 10-04-2005


Legend

- Existing Road
- Proposed Access

"B"

UTU-11385





 **NEWFIELD**
Exploration Company

9 Mile 8-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.

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

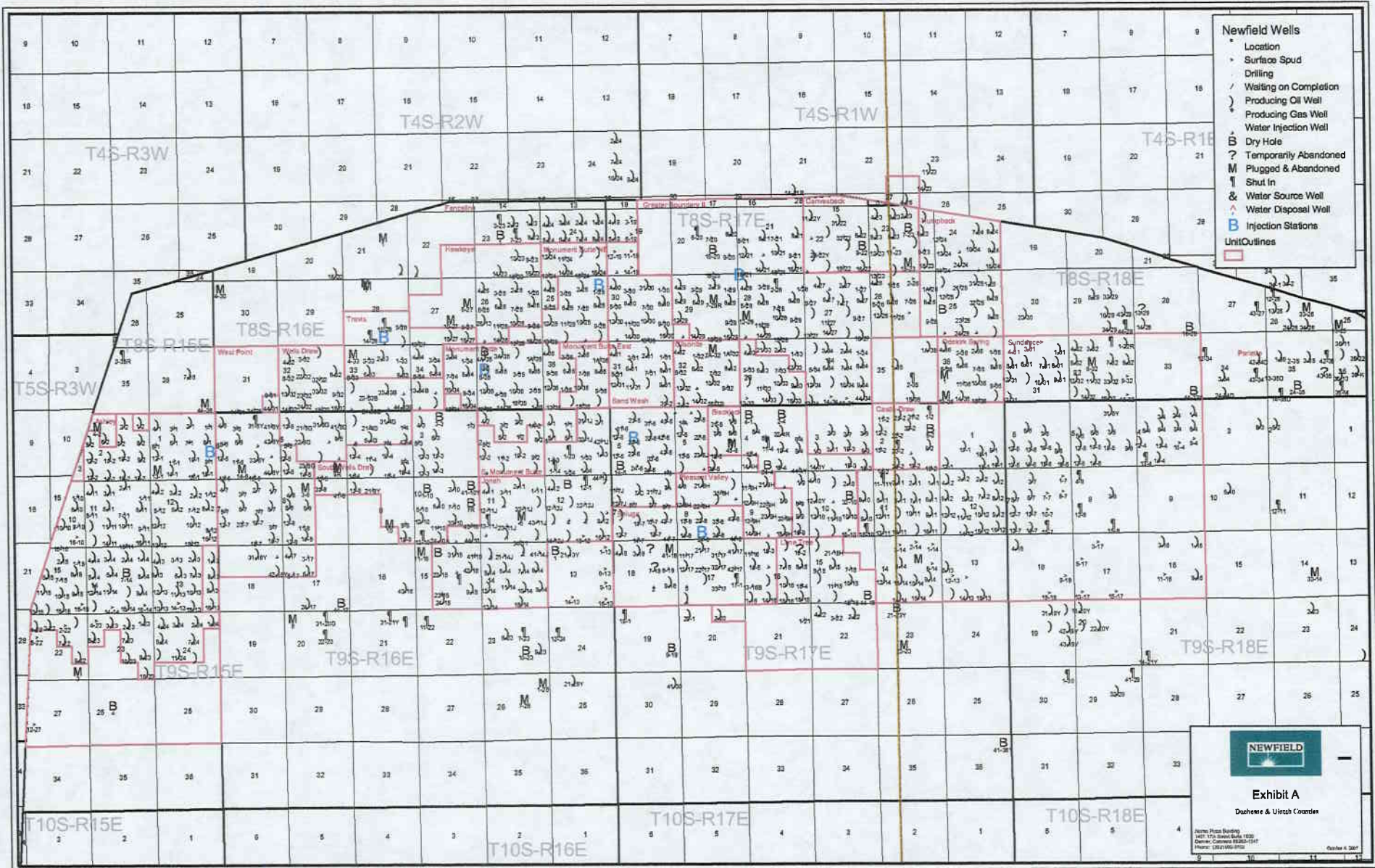
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DATE: 10-04-2005

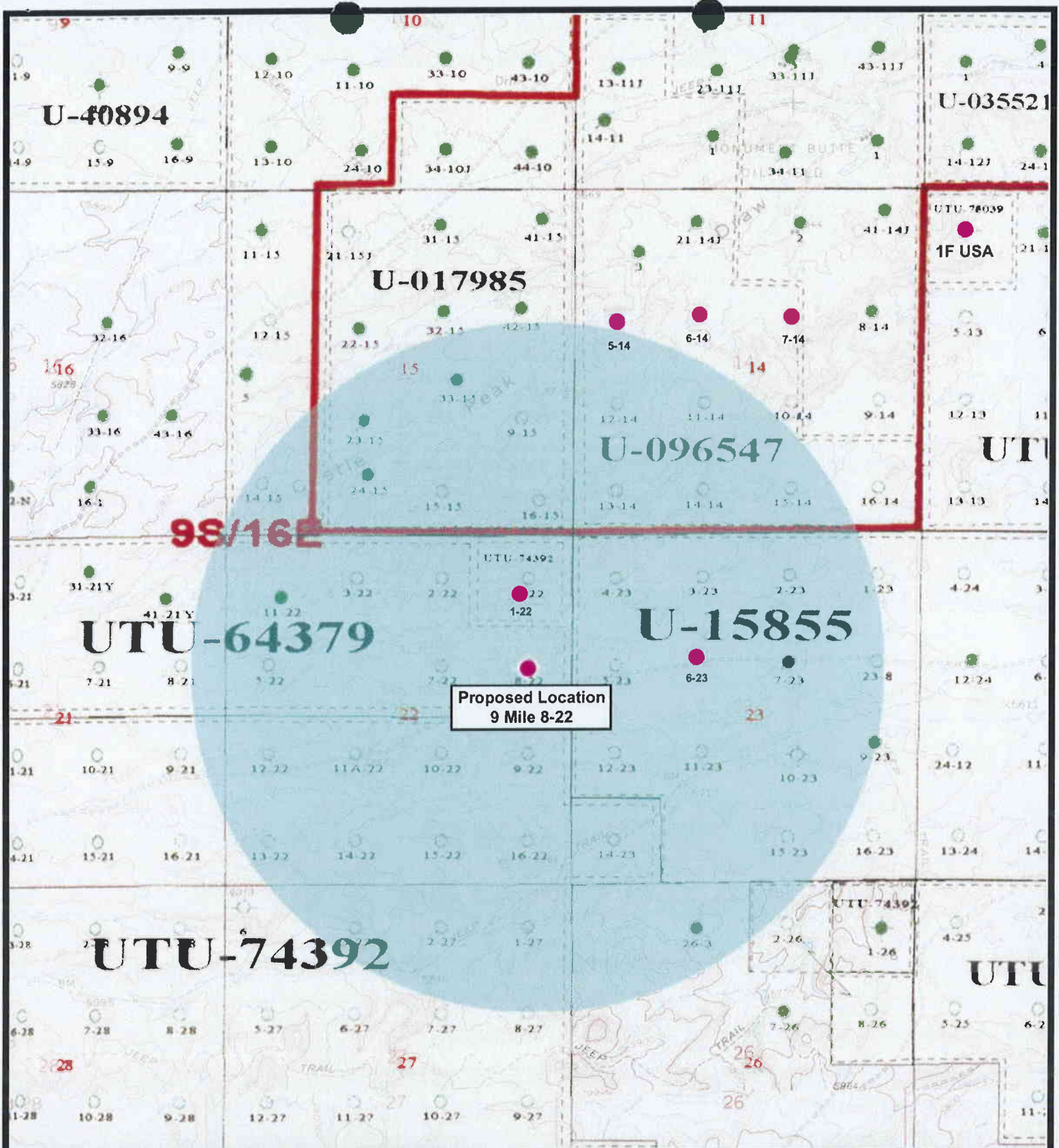
Legend

-  Roads
-  Proposed Gas Line

"C"

UTU-11385





Proposed Location
9 Mile 8-22



NEWFIELD
Exploration Company

9 Mile 8-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.



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

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 10-04-2005

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

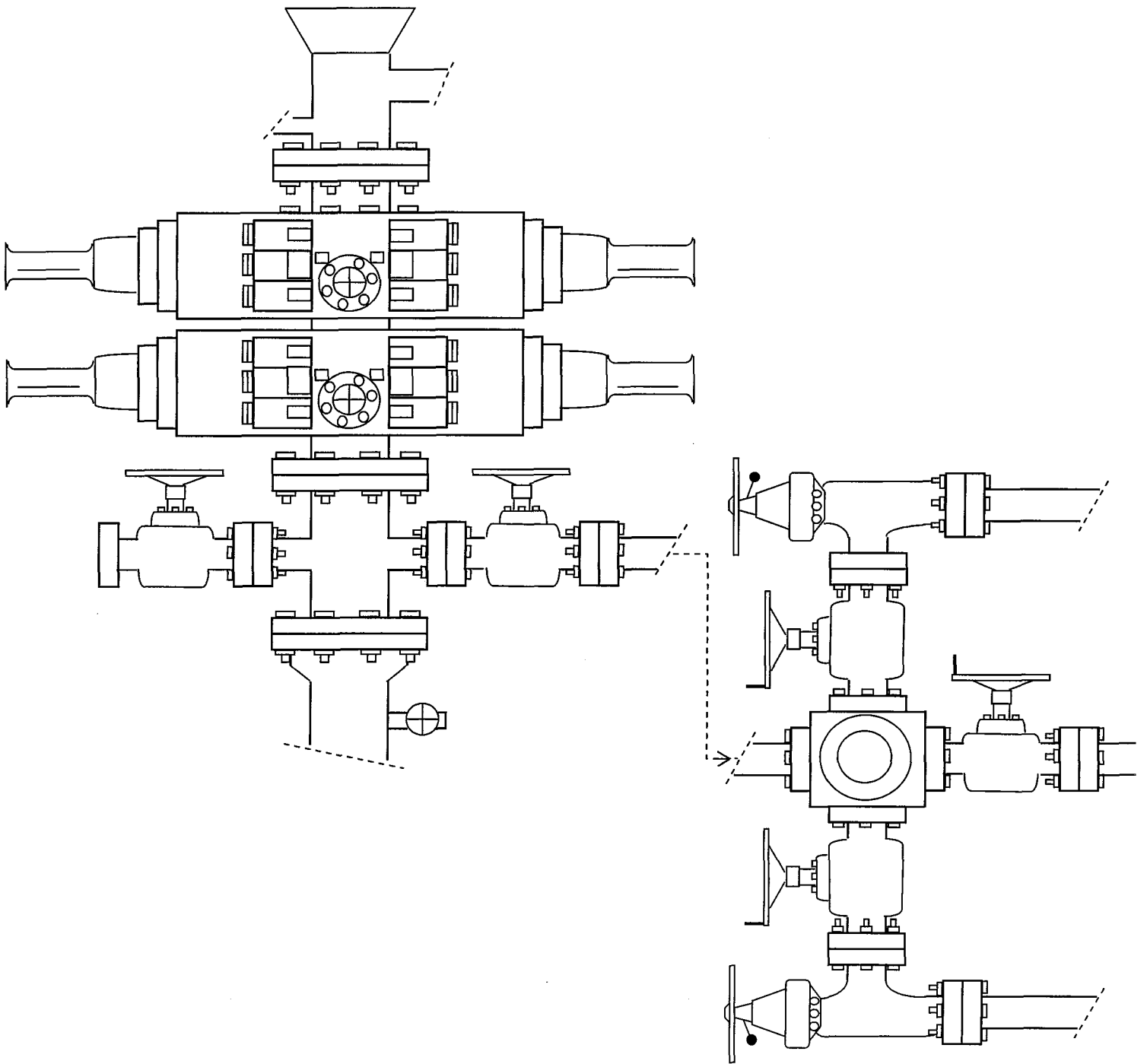


EXHIBIT C

Exhibit "D"
Page 1 of 2

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

By:

Katie Simon

Prepared For:

Bureau fo Land Management
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 05-240

July 25, 2005

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

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

NEWFIELD PRODUCTION COMPANY

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

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

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
September 28, 2005

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/23/2005

API NO. ASSIGNED: 43-013-32959

WELL NAME: FEDERAL 8-22-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 22 090S 160E
 SURFACE: 2200 FNL 0618 FEL
 BOTTOM: 2200 FNL 0618 FEL
 DUCHESNE
 MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-64379
 SURFACE OWNER: 1 - Federal
 PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

LATITUDE: 40.01754
 LONGITUDE: -110.0977

RECEIVED AND/OR REVIEWED:

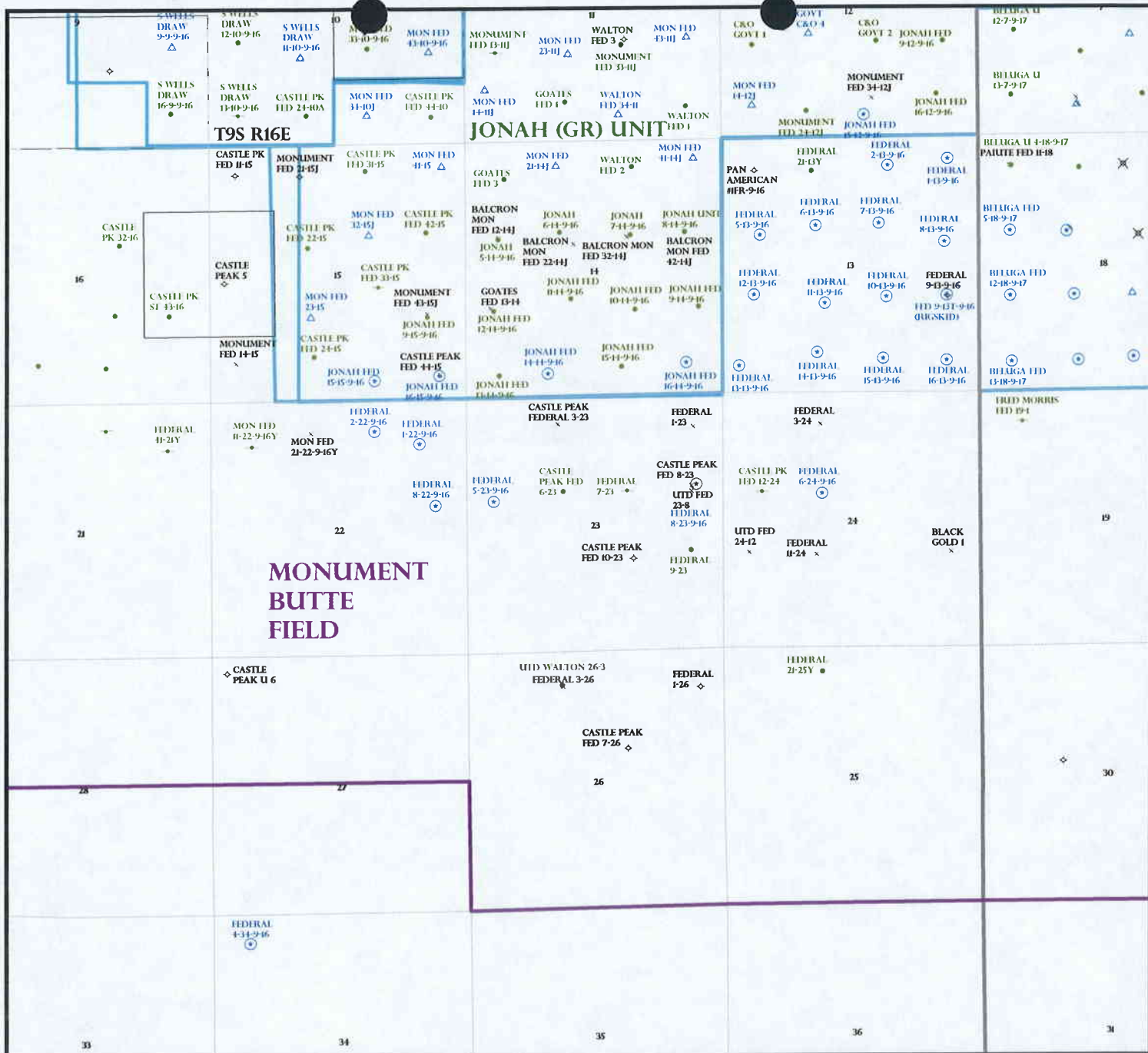
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT0056)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: Sep, Sperate file

STIPULATIONS: 1- Federal Approval
2- Spacing Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

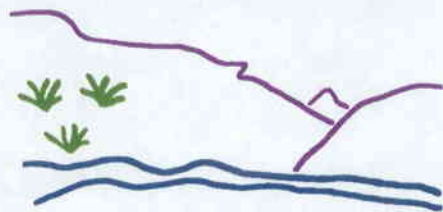
SPACING: R649-3-3 / EXCEPTION LOCATION

- 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: 29-NOVEMBER-2005

NEWFIELD



ROCKY MOUNTAINS

January 23, 2006

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

Re: Exception Location: Federal 8-22-9-16
2200' FNL, 618' FEL SENE Sec 22-T9S-16E
Duschene Cty., Utah; Lease UTU-64379

Dear Ms. Whitney:

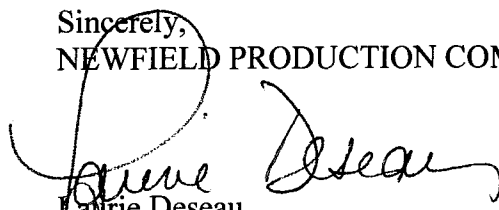
Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section,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

The above referenced location is an exception location under Rule 649-3-2, being 18' south of the drilling window tolerance for the SENE of Sec 22-T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected due to the terrain.

Please note the location is completely within Federal lease UTU-64379. The drillsite lease and all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted these owners and their consent to this location is attached.

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

Sincerely,
NEWFIELD PRODUCTION COMPANY


Laurie Deseau
Properties Administrator

RECEIVED
JAN 26 2006
DIV. OF OIL, GAS & MINING

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-64379	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Federal 8-22-9-16	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No.	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SE/NE 2200' FNL 618' FEL At proposed prod. zone		10. Field and Pool or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximately 18.9 miles southwest of Myton, Utah		11. Sec., T., R., M., or Bk. and Survey or Area SE/NE Sec. 22, T9S R16E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drilg. unit line, if any) Approx. 618' file, NA' unit	16. No. of Acres in lease 1626.36	17. Spacing Unit dedicated to this well 40 Acres	
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1582'	19. Proposed Depth 5850'	20. BLM/BIA Bond No. on file UT0056	
21. Elevations (Show whether DE, KDB, RT, GI, etc.) 5779' GL	22. Approximate date work will start* 1st Quarter 2006	23. Estimated duration Approximately seven (7) days from start to completion.	

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 11/22/05
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval 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.
Conditions of approval, if any, are attached.

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

*Instructions on reverse

RECEIVED

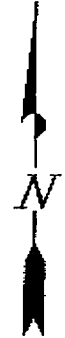
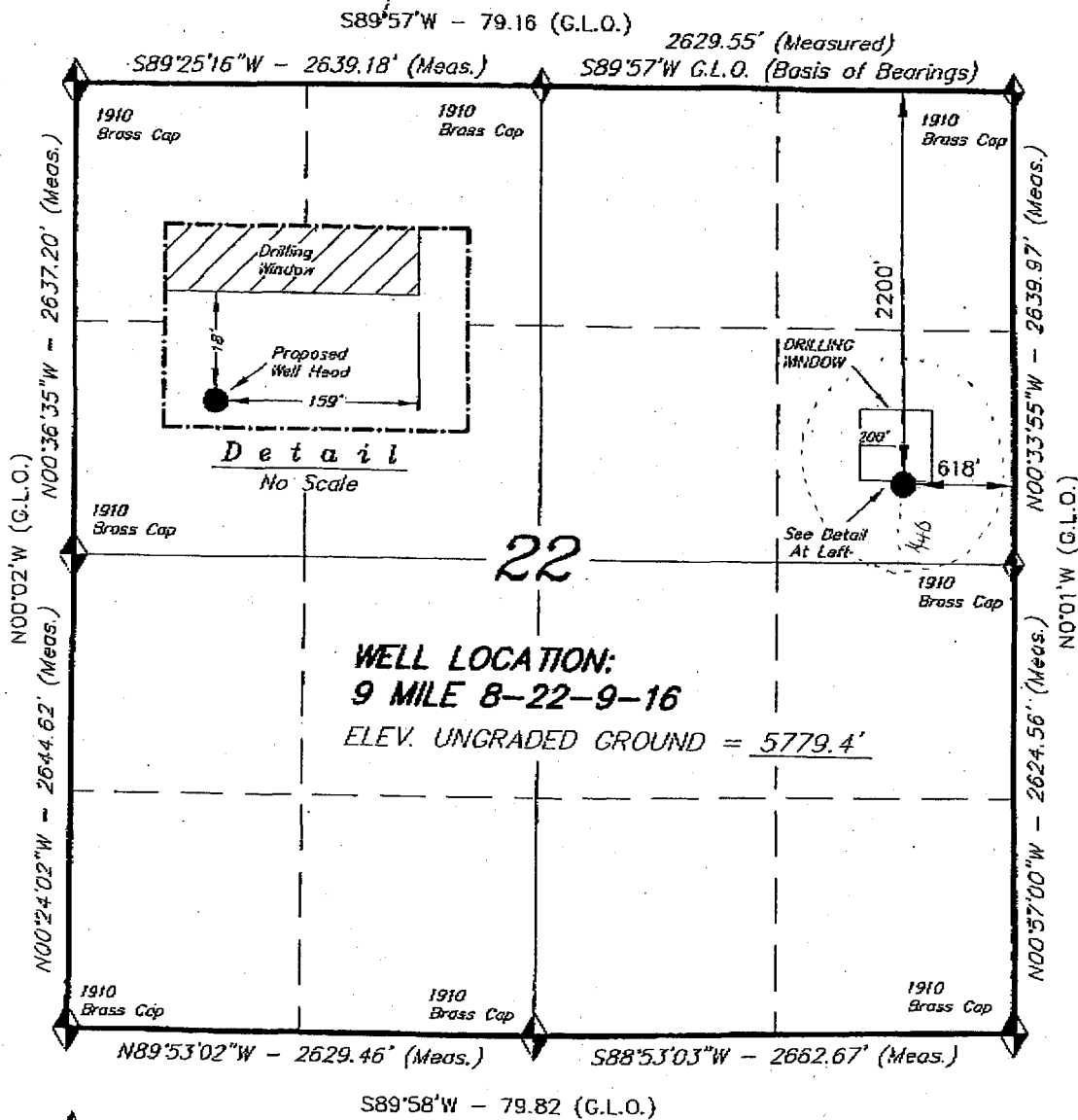
JAN 26 2006

DIV. OF OIL, GAS & MINING

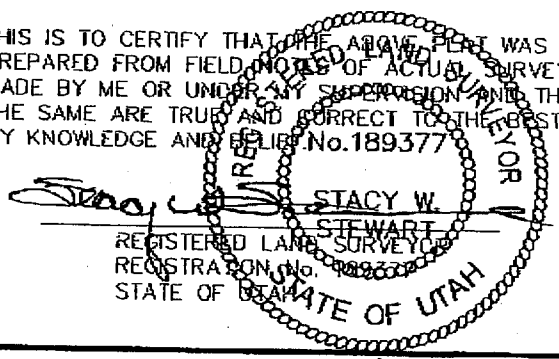
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 8-22-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NE
 1/4 OF SECTION 22, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



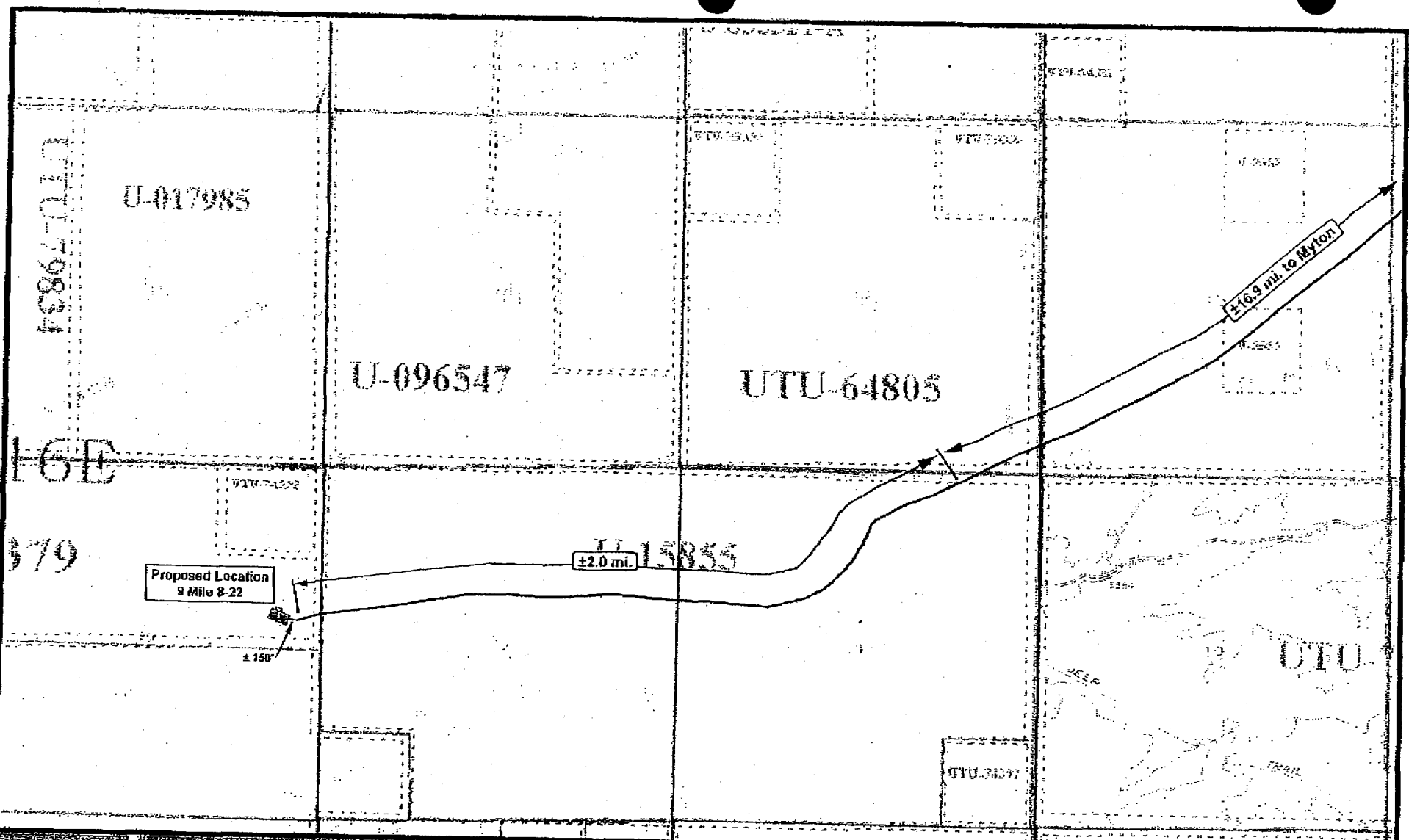
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF. No. 189377



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

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 10-3-05	DRAWN BY: F.T.M.
NOTES:	FILE #

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



NEWFIELD
Exploration Company

9 Mile 8-22-9-16
SEC. 22, T9S, R16E, S.L.B.&M.

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

SCALE: 1" = 2,000'
DRAWN BY: MW
DATE: 10-24-2005

Legend

- Existing Road
- Proposed Access

"B"

UTU-1138

Exception Location
Federal 8-22-9-16; Lease UTU-64379

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

By: Dave Boneal

Date: 1/18/2006

DAVE BONEAL ENGINEERING
Print Name and Title ' MANAGER



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

January 26, 2006

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

Re: Federal 8-22-9-16 Well, 2200' FNL, 618' FEL, SE NE, Sec. 22, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

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

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32959.

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 8-22-9-16
API Number: 43-013-32959
Lease: UTU-64379

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

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

RECEIVED

NOV 28 2005

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. UTU-64379
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. N/A
8. Lease Name and Well No. Federal 8-22-9-16
9. API Well No. 43-013-32959
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 22, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: DRILL REENTER

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
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 2200' FNL 618' FEL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
Approximatley 18.9 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 618' f/lse, NA' f/unit

16. No. of Acres in lease
1626.36

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1582'

19. Proposed Depth
5850'

20. BLM/BIA Bond No. on file
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5779' GL

22. Approximate date work will start*
1st Quarter 2006

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

24. Attachments

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

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

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 11/22/05

Title Regulatory Specialist

Approved by (Signature) *Jerry Kenicka* Name (Printed/Typed) JERRY KENICKA Date 9-5-2006

Title Assistant Field Manager Office Lands & Mineral Resources

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

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

*(Instructions on reverse)

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED RECEIVED

SEP 15 2006

DEPT. OF OIL, GAS & MINING



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

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



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company **Location:** SENE, Sec 22, T9S, R16E
Well No: Federal 8-22-9-16 **Lease No:** UTU-64379
API No: 43-013- 32959 **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
After Hours Contact Number:	435-781-4513	Fax: 435-781-4410	

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

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

NOTIFICATION REQUIREMENTS

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

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

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No drilling or surface disturbing activities are allowed 600' or less from live water.
- The proposed action is in Mountain Plover nesting habitat. According to the 43 CFR 3101.1-2, surface disturbing activities and drilling may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of **May 15th through June 15th**, no new drilling or surface disturbing activities will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities.
- 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.
- The reserve pit will be lined with a 16 ml or greater liner prior to spudding.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The liner is to be cut 5 feet below ground or at the level of the cuttings, whichever is deeper and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- The well pad and access/pipeline require monitoring by a qualified Paleontologist prior to and during any surface disturbing activities.
- Prevent fill and stock piles from entering drainages.

Cultural And Paleontological Resources - Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

- The access road will be crowned and ditched. Flat-bladed roads are **NOT** allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- The boulders >3' found at the surface or above ground will be saved for final reclamation.
- Interim Reclamation (see below):
- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is converted to an injection well, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.

Interim Reclamation Seed Mix for location:

Galleta grass	<i>Hilaria jamesii</i>	6 lbs/acre
Western wheatgrass	<i>Pascopyrum smithii</i>	<u>6 lbs/acre</u>
	Per Live Seed Total	12 lbs/acre

- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture will be doubled and the area raked or chained to cover the seed.

DOWNHOLE CONDITIONS OF APPROVAL

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

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a

weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and / or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 8-22-9-16

Api No: 43-013-32959 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 11/01/06

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 11/01/06 Signed CHD

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.



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)

 SENE Section 22 T9S R16E

5. Lease Serial No.
 UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 Federal 8-22-9-16

9. API Well No.
 4301332959

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 11/1/2006 MIRU NDSI NS # 1.Spud well @ 10:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 322.53'/ KB On 11/3/2006 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 5 bbl cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Troy Zufelt	Title Drilling Foreman
Signature 	Date 11/03/2006

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 entide the applicant to conduct operations thereon.	Office	

RECEIVED
NOV 08 2006

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 322.53

LAST CASING 8 5/8" set @ 322.53
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 320 LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal 8-22-9-16
 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 44.41'							
		WHI - 92 csg head			8rd	A	0.95		
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	310.68		
		GUIDE shoe			8rd	A	0.9		
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				312.53	
TOTAL LENGTH OF STRING		312.53	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				322.53	
TOTAL		310.68	7	} COMPARE					
TOTAL CSG. DEL. (W/O THRDS)		310.68	7						
TIMING		1ST STAGE		GOOD CIRC THRU JOB				YES	
BEGIN RUN CSG.		Spud	11/1/2006	10:00 AM	Bbls CMT CIRC TO SURFACE				5
CSG. IN HOLE			11/2/2006	10:30 AM	RECIPROCATED PIPE FOR				N/A
BEGIN CIRC			11/3/2006	8:37 AM	BUMPED PLUG TO				130 PSI
BEGIN PUMP CMT			11/3/2006	8:50 AM					
BEGIN DSPL. CMT			11/3/2006	9:05 AM					
PLUG DOWN			11/3/2006	9:15 AM					
CEMENT USED		CEMENT COMPANY- B. J.							
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 11/3/2006

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3830
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

PAGE 02

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	15764	43-013-32959	FEDERAL 8-22-9-16	SE/NE	22	9	16	DUCHESNE	11/01/06	

WELL 1 COMMENTS:

GRPV

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	15765	43-013-32948	ASHLEY FEDERAL 9-25-9-15	NE/SE	25	9	15	DUCHESNE	11/03/06	

GRPV

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	15150	43-013-33251	MON BUTTE FEDERAL M-25-8-16	SE/NW	25	8	16	DUCHESNE	11/03/06	

GRPV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	10835	43-013-33254	MON BUTTE FEDERAL L-35-8-16	NW/SE	35	8	16	DUCHESNE	11/07/06	

GRPV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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NOV 08 2006

Lana Nebeker
Signature LANA NEBEKER

Production Analyst

November 8, 2006
Date

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

DIV. OF OIL, GAS & MINING

INLAND

4356463031

11/08/2006 11:35

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
Federal 8-22-9-16

9. API Well No.
4301332959

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)
2200 FNL 618 FEL
SENE Section 22 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	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 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 11/19/06 MIRU PattersonRig # 155. 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 @ 265'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5850'. 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, 133 jt's of 5.5 J-55, 15.5# csgn. Set @ 5850.68' / KB. Cement with 322 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 30bbbs of cement to reserve pit. Nipple down Bop's. Drop slips @90,000 #'s tension. Release rig @ 7:30 PM 11/24/06.

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Don Bastian

Signature 

Title
Drilling Foreman

Date
11/24/2006

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
NOV 29 2006
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5850.68

Fit cllr @ 5828.67'

LAST CASING 8 5/8" SET # 322'
 DATUM 12' KB
 DATUM TO CUT OFF CASING 12'
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 5850 Loggers TD _____
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company
 WELL Federal 8-22-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Patterson #155

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3781.96 (5.86)					
132	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5816.92
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	20.51
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5852.68
TOTAL LENGTH OF STRING		5852.68	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		177.24	4	CASING SET DEPTH			5850.68
TOTAL		6014.67	137	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6014.67	137				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB <u>Yes</u> Bbls CMT CIRC TO SURFACE <u>30 BBLS</u> RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u> DID BACK PRES. VALVE HOLD ? <u>Yes</u> BUMPED PLUG TO <u>1700</u> PSI			
BEGIN RUN CSG.		11/25/2006	8:00 AM				
CSG. IN HOLE		11/25/06/	11:00 AM				
BEGIN CIRC		11/25/2006	11:10 AM				
BEGIN PUMP CMT		11/25/2006	1:36 PM				
BEGIN DSPL. CMT		11/25/2006	2:35 PM				
PLUG DOWN		11/25/2006	2:58 PM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	322	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	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 Don Bastian DATE 11/24/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
Federal 8-22-9-16

9. API Well No.
4301332959

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)
2200 FNL 618 FEL
SENE Section 22 T9S R16E

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

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

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

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

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

**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
12/14/2006

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

RECEIVED
DEC 15 2006
DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-64379

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:
Federal 8-22-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301332959

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: 2200 FNL 618 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 22, 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 (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/28/2006	<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.
Status report for time period 12/05/06 - 12/13/06

Subject well had completion procedures initiated in the Green River formation on 12-05-06 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5530'-5550'); Stage #2 (4914'-4926') Stage #3 (4742'-4751'); Stage #4 (4577'-4585'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 12-13-2006. Bridge plugs were drilled out and well was cleaned to 5829'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12-13-2006.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 12/28/2006

(This space for State use only)

RECEIVED
JAN 02 2007
DIV. OF OIL, GAS & MINING

(See other instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK
 OIL WELL GAS WELL DRY Other _____

1b. TYPE OF WELL
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

5. LEASE DESIGNATION AND SERIAL NO.
UTU-64379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
Federal

8. FARM OR LEASE NAME, WELL NO.
Federal 8-22-9-16

2. NAME OF OPERATOR
Newfield Exploration Company

9. WELL NO.
43-013-32959

3. ADDRESS AND TELEPHONE NO.
1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT
Monument Butte

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
 At Surface **2200' FNL & 618' FEL (SE/NE) Sec. 22, T9S, R16E**
 At top prod. Interval reported below

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 22, T9S, R16E

At total depth
 14. API NO. **43-013-32959** DATE ISSUED **01/26/06**
 12. COUNTY OR PARISH **Duchesne** 13. STATE **UT**

15. DATE SPUNDED **11/19/06** 16. DATE T.D. REACHED **11/24/06** 17. DATE COMPL. (Ready to prod.) **12/13/06** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5779' GL 5791' KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **5850'** 21. PLUG BACK T.D., MD & TVD **5829'** 22. IF MULTIPLE COMPL., HOW MANY*
 23. INTERVALS DRILLED BY **----->** ROTARY TOOLS **X** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
Green River 4577'-5550'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED
No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5851'	7-7/8"	322 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5629'	TA @ 5530'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4) 5530'-5550'	.46"	4/80	5530'-5550'	Frac w/ 30,245# 20/40 sand in 381 bbls fluid
(A1) 4914'-4926'	.43"	4/48	4914'-4926'	Frac w/ 70,951# 20/40s and in 533 bbls fluid
(B2) 4742'-4751'	.43"	4/36	4742'-4751'	Frac w/ 29,729# 20/40 sand in 414 bbls fluid
(C2) 4577'-4585'	.43"	4/32	4577'-4585'	Frac w/ 26,560# 20/40s and in 342 bbls fluid

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

33.* PRODUCTION

DATE FIRST PRODUCTION **12/13/06** PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) **2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump** WELL STATUS (Producing or shut-in) **PRODUCING**

DATE OF TEST **10 day ave** HOURS TESTED _____ CHOKER SIZE _____ PROD'N. FOR TEST PERIOD **----->** OIL--BBL. **35** GAS--MCF. **0** WATER--BBL. **7** GAS-OIL RATIO **0**

FLOW. TUBING PRESS. _____ CASING PRESSURE _____ CALCULATED 24-HOUR RATE **----->** OIL-BBL. _____ GAS--MCF. _____ WATER--BBL. _____ OIL GRAVITY-API (CORR.) _____

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold & Used for Fuel** TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS _____

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED **Jentri Park** TITLE **Production Clerk** DATE **1/4/2007**

RECEIVED
JAN 08 2007

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 8-22-9-16	Garden Gulch Mkr	3470'	
				Garden Gulch 1	3680'	
				Garden Gulch 2	3788'	
				Point 3 Mkr	4030'	
				X Mkr	4299'	
				Y-Mkr	4332'	
				Douglas Creek Mkr	4450'	
				BiCarbonate Mkr	4682'	
				B Limestone Mkr	4786'	
				Castle Peak	5315'	
				Basal Carbonate	5757'	
				Total Depth (LOGGERS)	5857'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
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: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 8-22-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013329590000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2200 FNL 0618 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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


TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/3/2014	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="New Perforations"/>

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

The subject well has been converted from a producing oil well to an injection well on 07/03/2014. New intervals perforated, GB6 sands - 3949-3974' 3 JSPF. On 07/01/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2014 the casing was pressured up to 1511 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an State representative available to witness the test.

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

August 21, 2014

Date: _____
By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/25/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date: 7/3/2014 Time: 11:15 A.M.

Test Conducted by: Everett Unruh

Others Present: _____

Well:	Federal 8-22-9-16	Field:	Monument Butte
Well Location:	SENE Sec 22 T9S R16E Duchesne County, UT	API No:	43-013-32959

Time	Casing Pressure
0 min	<u>1510</u> psig
5	<u>1510</u> psig
10	<u>1510</u> psig
15	<u>1510</u> psig
20	<u>1510</u> psig
25	<u>1510</u> psig
30 min	<u>1511</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

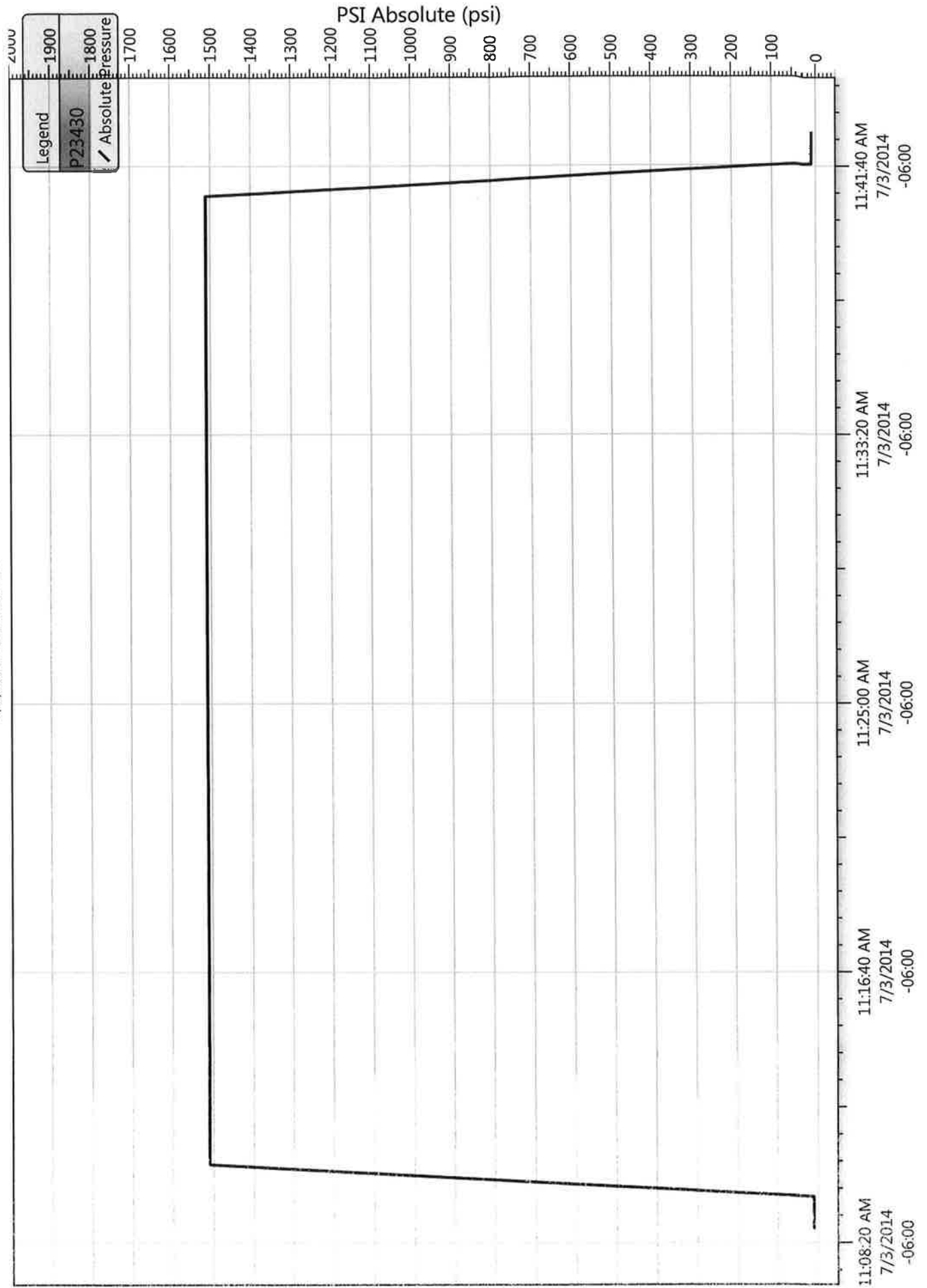
Tubing Pressure: 0 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Unruh

Federal 8-22-9-16 (7-3-2014, conversion MIT)
7/3/2014 11:07:55 AM





Job Detail Summary Report

Well Name: Federal 8-22-9-16

Jobs	Job Start Date 6/30/2014	Job End Date 7/3/2014
Primary Job Type Conversion		

Daily Operations		24hr Activity Summary
Report Start Date	Report End Date	MIRUSU/pull rods & pump. Pull tbg
6/30/2014	7/1/2014	
Start Time	End Time	Comment
00:00	04:00	SDFN
Start Time	End Time	Comment
04:00	05:00	Crew travel & safety mtg
Start Time	End Time	Comment
05:00	06:00	RU Western Well Services Rig #9
Start Time	End Time	Comment
06:00	08:30	pump 60 bbls dwn csg @ 250f. PU on rods, 18k over string wt, unseat pump, flush tbg w/30bbls @ 250f. Reseat pump, fill tbg w/5bbls. test tbg to 3000psi-good test. LD polish rod.
Start Time	End Time	Comment
08:30	09:30	Wait on Runners to deliver empty rod trailer to LD rods.
Start Time	End Time	Comment
09:30	12:00	LD rod string, 100-3/4" 4 pers, RU HO, flush tbg w/30bbls @ 250f, cont. LD rods, 87-3/4" plain, 29-3/4"4pers, 6-wt bars & pump. (Note: wt bars have scale build up).
Start Time	End Time	Comment
12:00	16:30	XO to tbg equip. ND WH, PU on tbg, TAC not set, NU BOPs, RU workfloor & tbg Eqp. TOO H tallying tbg and breaking collars. 123 jts, leave 54 jts in hole for HO to pump 50 bbls dwn tbg by 7am to warm up hole for wireline. EOT @ 1700. SWIFN
Start Time	End Time	Comment
16:30	17:30	Crew travel
Start Time	End Time	Comment
17:30	00:00	SDFN
Daily Operations		24hr Activity Summary
Report Start Date	Report End Date	RIH w/bit & scraper. Set plug, NU/test frac stack. Perf/breakdown
7/1/2014	7/2/2014	
Start Time	End Time	Comment
00:00	06:00	SDFN
Start Time	End Time	Comment
06:00	07:00	Crew travel & safety mtg
Start Time	End Time	Comment
07:00	08:30	RU HO, flush tbg w/50bbls fresh wtr @ 250f, cont. LD extra tbg onto trailer.
Start Time	End Time	Comment
08:30	09:30	RU Extreme wireline. RIH w/4 3/4" gauge ring stacked out @ 3050'. POOH RD wireline.
Start Time	End Time	Comment
09:30	12:00	MU & RIH w/Slaugh's 5 1/2" scraper 127 jts to 4100'. RU HO, flush tbg w/30 bbls @ 250f, LD 4 jts. TOO H w/scraper.
Start Time	End Time	Comment
12:00	13:00	RU wireline. RIH set Weatherford RBP @ 4128', POOH, RD wireline.
Start Time	End Time	Comment
13:00	14:15	RD tbg works & floor, ND pipe rmas and 3k WH. NU new 5k WH, blind rams and frac valve.
Start Time	End Time	Comment
14:15	15:30	RU B&C Quicktest. PSI test csg/plug/frac valve & BOPs. Good tests. RD
Start Time	End Time	Comment
15:30	16:15	RU wireline, RIH w/perf gun. Perforate GB6 @ 3949-50', 3966-67', 3971-74'.
Start Time	End Time	Comment
16:15	17:00	RU HO, pressure up csg. Broke @ 4100# with injection rate of .25 bpm @ 3100#. RD HO. SWIFN
Start Time	End Time	Comment
17:00	18:00	Crew travel



Well Name: Federal 8-22-9-16

Job Detail Summary Report

Start Time	18:00	End Time	00:00	Comment	SDFN
Report Start Date	7/2/2014	Report End Date	7/3/2014	24hr Activity Summary frac/flowback, retrieve plug	
Start Time	00:00	End Time	06:30	Comment	SDFN
Start Time	06:30	End Time	07:45	Comment	Finish RU Nabors frac crew
Start Time	07:45	End Time	08:00	Comment	Location safety mtg, pre-frac
Start Time	08:00	End Time	08:15	Comment	PSI test all frac lines & equipment
Start Time	08:15	End Time	09:15	Comment	Stage #1, GB6 sands. 140 psi on well. Frac GB6 w/27,580#s of 20/40 White sand in 170 bbls, 17# Crosslinked fluid. Broke @ 3890 psi @ 1.8 BPM. Treated w/ ave pressure of 3404 psi @ ave rate of 18.5 BPM. ISDP 2179 psi. FG=98.5 min SIP 1758 psi, 10 min SIP 1611 psi, 15 min SIP 1560 psi. Leave pressure on well. 480 total BWTR.
Start Time	09:15	End Time	10:30	Comment	Open well to flowback tank @ 3bpm. Flow til dead. Returned 185bbl. ND frac valve, NU pipe rams.
Start Time	10:30	End Time	13:30	Comment	MU & RIH w/132 jts, tag fill 30' above RBP, circ dwn to plug, circ well bore cleqn, latch onto plug, release RBP, LD 9 jts
Start Time	13:30	End Time	15:30	Comment	TOOH 123 jts, wet all the way, LD plug.
Start Time	15:30	End Time	17:00	Comment	MU & RIH w/injection BHA, 2 3/8" re-entry guide, 2 3/8"x1.87 XN profile nipple, 4'x2 3/8" J55 tbg sub, XO, Arrow set 1 pkr, on-off tool, 2 7/8" PSN, 73 jts tbg. SWIFN EOT @ 2305'
Start Time	17:00	End Time	18:00	Comment	Crew travel
Start Time	18:00	End Time	19:00	Comment	WWS safety mtg
Start Time	19:00	End Time	00:00	Comment	SDFN
Report Start Date	7/3/2014	Report End Date	7/4/2014	24hr Activity Summary RT tbg, RIH w/injection string, Conduct MIT	
Start Time	00:00	End Time	06:00	Comment	SDFN
Start Time	06:00	End Time	07:00	Comment	Crew travel & safety mtg
Start Time	07:00	End Time	09:30	Comment	Cont TIH w/ PKR RU HO pump 10bbl pad drop SV fill tbg w/ 22bbls pres up tbg to 3000psi watch 30mins no lose tbg test good bleed off pres RU sandline RIH retrieve SV @3895' POOH RD sandline.



Job Detail Summary Report

Well Name: Federal 8-22-9-16

<p><small>Start Time</small> 09:30</p>	<p><small>End Time</small> 12:00</p>	<p><small>Comment</small> 09:30am to 12:00pm RD work floor ND frac stack pump 65bbbls pkr fluid PU on tbg set PKR C.E. @3902' w/ 15,000 tension NU 5K injection tree pres up csg to 1500psi watch 30mins lost 100psi pres back up to 1500psi watch 30mins no lose RU MIT unit test 30 mins good RDMO. On 07/07/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/07/2014 the casing was pressured up to 1511 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.</p>
<p><small>Start Time</small> 12:00</p>	<p><small>End Time</small> 00:00</p>	<p><small>Comment</small> SDFN</p>

NEWFIELD

Schematic

Well Name: Federal 8-22-9-16

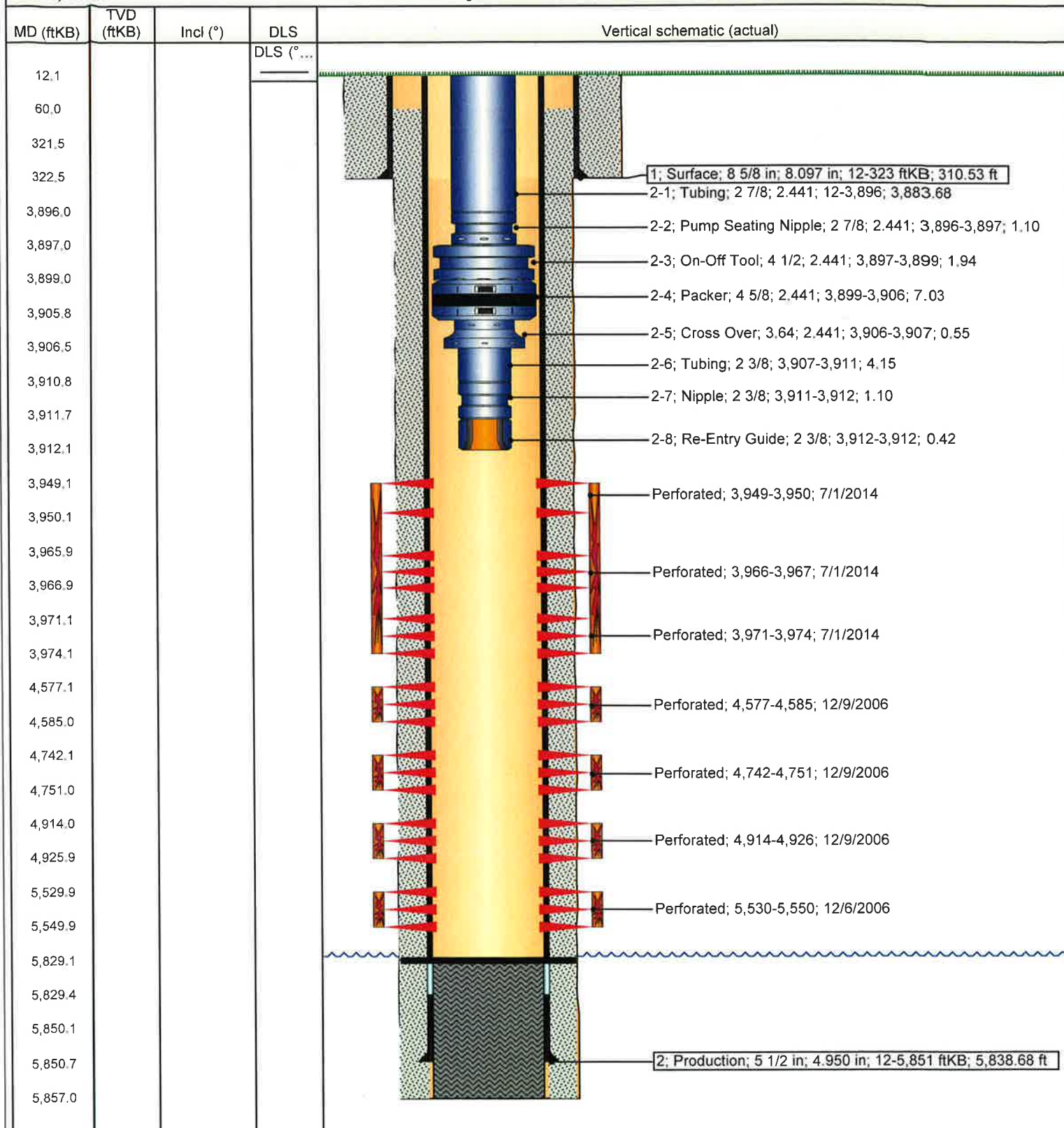
Surface Legal Location 22-9S-16E		API/UWI 43013329590000	Well RC 500159036	Lease	State/Province Utah	Field Name GMBU CT B6	County DUCHESNE
Spud Date 11/1/2006	Rig Release Date 11/24/2006	On Production Date 12/13/2006	Original KB Elevation (ft) 5,791	Ground Elevation (ft) 5,779	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,828.9	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 6/30/2014	Job End Date 7/3/2014
---------------------------------------	--------------------------------	---------------------------	-----------------------------	--------------------------

TD: 5,857.0

Vertical - Original Hole, 7/23/2014 8:41:09 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 8-22-9-16**

Surface Legal Location 22-9S-16E		API/UWI 43013329590000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 11/1/2006		Spud Date 11/1/2006		Final Rig Release Date 11/24/2006	
Original KB Elevation (ft) 5,791		Ground Elevation (ft) 5,779		Total Depth (ftKB) 5,857.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,828.9	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	11/2/2006	8 5/8	8.097	24.00	J-55	323
Production	11/25/2006	5 1/2	4.950	15.50	J-55	5,851

Cement**String: Surface, 323ftKB 11/3/2006**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.5	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,851ftKB 11/25/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 60.0	Bottom Depth (ftKB) 5,857.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% gel + 3 % KCL, 3#/s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 322	Class Premlite II	Estimated Top (ftKB) 60.0
Fluid Description 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 450	Class 50/50 POZ	Estimated Top (ftKB) 2,959.0

Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing - Production		7/3/2014		3,912.2				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btn (ftKB)
Tubing	62	2 7/8	2.441	6.50	J-55	3,883.68	12.2	3,895.9
Pump Seating Nipple	1	2 7/8	2.441	6.50	J-55	1.10	3,895.9	3,897.0
On-Off Tool	1	4 1/2	2.441	6.50	J-55	1.94	3,897.0	3,899.0
Packer	1	4 5/8	2.441	6.50	J-55	7.03	3,899.0	3,906.0
Cross Over	1	3.635	2.441	6.50	J-55	0.55	3,906.0	3,906.5
Tubing	1	2 3/8		6.50	J-55	4.15	3,906.5	3,910.7
Nipple	1	2 3/8		6.50	J-55	1.10	3,910.7	3,911.8
Re-Entry Guide	1	2 3/8		6.50	J-55	0.42	3,911.8	3,912.2

Rod Strings

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

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btn (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
5	GB6 , Original Hole	3,949	3,950	3	120		7/1/2014
5	GB6 , Original Hole	3,966	3,967	3	120		7/1/2014
5	GB6 , Original Hole	3,971	3,974	3	120		7/1/2014
4	C SANDS, Original Hole	4,577	4,585	4	120		12/9/2006
3	B2 SANDS, Original Hole	4,742	4,751	4	120		12/9/2006
2	A1 SANDS, Original Hole	4,914	4,926	4	120		12/9/2006
1	CP4 SANDS, Original Hole	5,530	5,550	4	120		12/6/2006

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	1,960	0.79	25.0	2,176			
2	2,190	0.88	25.0	2,763			
3	1,950	0.84	25.0	4,200			
4	4,200		25.0	4,200			
5	2,179	0.982	23.4	4,139	480	500	480

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		PROPPANT SAND 30245 lb
2		PROPPANT SAND 70951 lb
3		PROPPANT SAND 29729 lb
4		PROPPANT SAND 26560 lb
5	27,580	Main White Sand 27580 lbs

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
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.	
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	8. WELL NAME and NUMBER: FEDERAL 8-22-9-16
1. TYPE OF WELL Water Injection Well	9. API NUMBER: 43013329590000
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2200 FNL 0618 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/9/2014	<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 style="width: 100px;" type="text"/>


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

The above reference well was put on injection at 8:40 AM on 09/09/2014.

Accepted by the Utah Division of Oil, Gas and Mining

September 15, 2014

Date: _____

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/9/2014	



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-421

Operator: Newfield Production Company
Well: Federal 8-22-9-16
Location: Section 22, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-32959
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 16, 2014.
2. Maximum Allowable Injection Pressure: 1,919 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,785' – 5,829')
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

9/5/2014
Date

JR/MLR/js

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

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





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

June 16, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 8-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32959


Newfield Production Company:

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 3,785 feet in the Federal 8-22-9-16 well.

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

Sincerely,

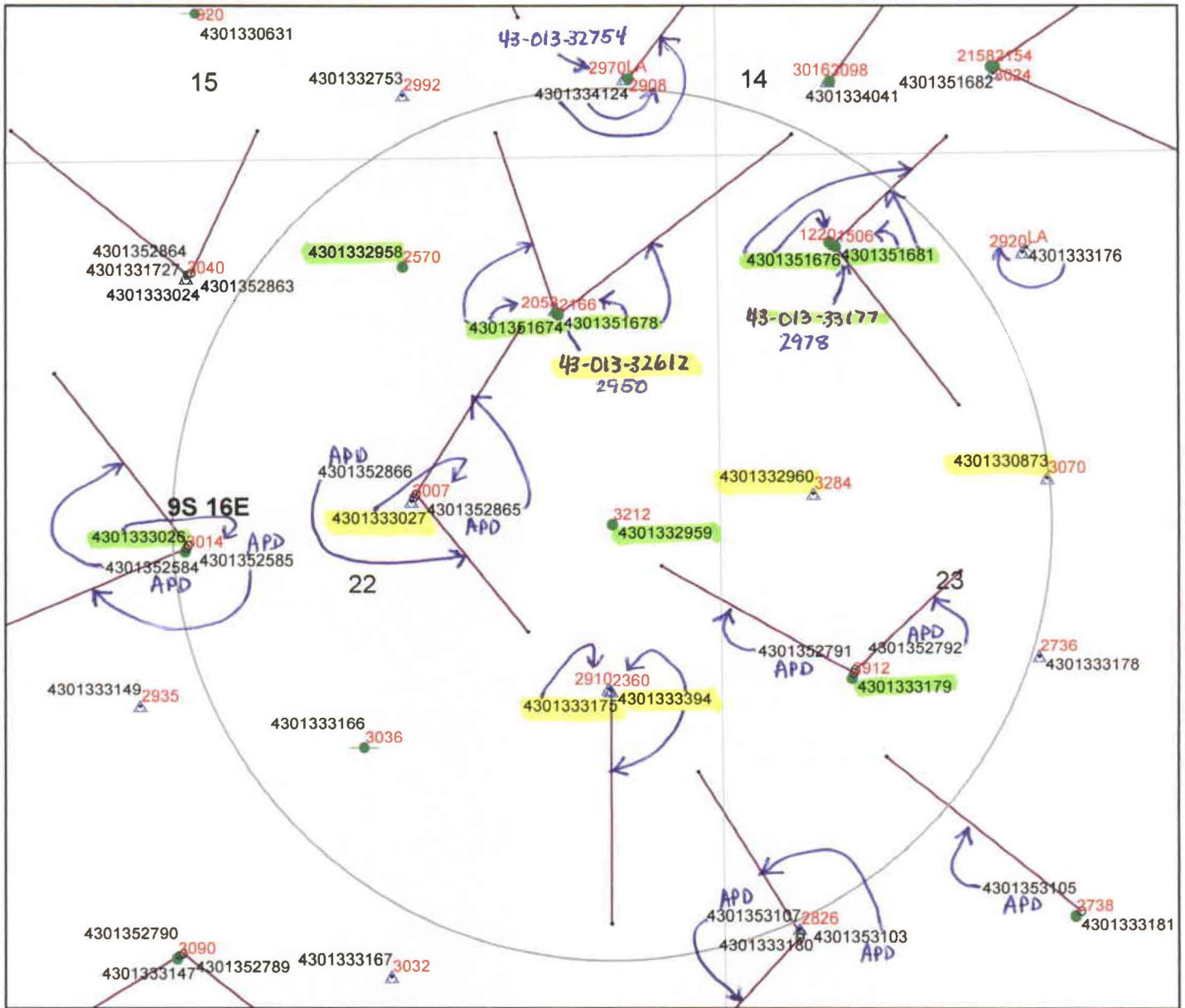

John Rogers
Associate Director

JR/MLR/js

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

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





Legend

Oil & Gas Well Type

- APD-Approved Permit
- DRL-Spudded (Drilling Commenced)
- GIW-Gas Injection Well
- 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

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

**Cement Bond Tops
Federal 8-22-9-16
API #43-013-32959
UIC-421.4**

(updated 8/21/2014)



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

Applicant: Newfield Production Company **Well:** Federal 8-22-9-16

Location: 22/9S/16E **API:** 43-013-32959

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

Well Integrity: The proposed well has surface casing set at 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,851 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,212 feet or higher. A 2 7/8 inch tubing with a packer is proposed to be set at 4,527 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (8/21/2014), based on surface locations, there are 9 producing wells, 6 injection wells, and 1 shut-in well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. Also, there are 2 approved surface locations inside the AOR, from which directional wells will be drilled to bottom hole locations outside the AOR and 2 approved surface locations outside the AOR for bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,785 feet and 5,829 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-22-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,919 psig. The requested maximum pressure is 1,919 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 8-22-9-16

page 2

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

Bonding: Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date: 5/19/2014 (revised 8/21/2014)

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

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/13/2014

RECEIVED
MAY 15 2014
DIV OF OIL-GAS & MINING

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / I
8015385340	0000957536 /
SCHEDULE	
Start 05/09/2014	End 05/09/2014
CUST. REF. NO.	
CAUSE NO. UIC-421	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF	
SIZE	
82 Lines	2.00 COL
TIMES	RA
3	
MISC. CHARGES	AD CH
TOTAL	
280.	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-421

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 22, 23, 28, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:
Ashley Federal 12-248-9-15 well located in NW/4 SW/4, Section 24, Township 9 South, Range 15 East
API 43-013-15782
Federal 2-22-9-16 well located in NW/4 NE/4, Section 22 Township 9 South, Range 16 East
API 43-013-32958
Federal 6-22-9-16 well located in SE/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33026
Federal 8-22-9-16 well located in SE/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32959
Federal 14-22-9-16 well located in SE/4 SW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33147
Federal 4-23-9-16 well located in NW/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33177
Federal 2-28-9-16 well located in NW/4 NE/4, Section 28, Township 9 South, Range 16 East
API 43-013-33409
Federal 4-28-9-16 well located in NW/4 NW/4, Section 28, Township 9 South, Range 16 East
API 43-013-33407
Federal 2-29-9-16 well located in NW/4 NE/4, Section 29, Township 9 South, Range 16 East
API 43-013-33424

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

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

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

Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
Brad Hill
Permitting Manager UPAJLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCE CAUSE NO. UIC-421 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING, W COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101: 46-3-104.

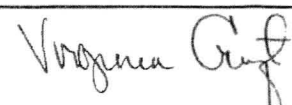
PUBLISHED ON Start 05/09/2014 End 05/09/2014

SIGNATURE: 

DATE 5/13/2014

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

VIRGINIA CRAFT
NOTARY PUBLIC - STATE OF UTAH
My Comm. Exp. 01/12/2018
Commission # 672963


NOTARY SIGNATURE

2250/GGUAADMIN/GFK/6131

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 13 day of May, 2014, and that the last publication of such notice was in the issue of such newspaper dated the 13 day of May, 2014, 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.

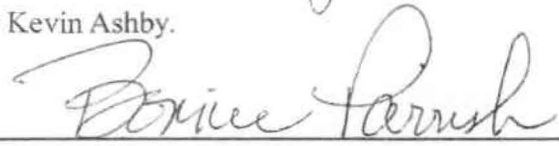


Publisher

Subscribed and sworn to before me on this

16 day of May, 2014

by Kevin Ashby.



Notary Public

**BEFORE THE
DIVISION
OF OIL, GAS
AND MINING
DEPART-
MENT OF
NATURAL
RESOURCES
STATE OF
UTAH
NOTICE OF
AGENCY
ACTION
CAUSE NO.
UIC-421**

IN THE MAT-
TER OF THE
APPLICATION
OF NEWFIELD
PRODUCTION
COMPANY FOR
ADMINISTRATIVE
APPROVAL OF
CERTAIN WELLS
LOCATED IN SEC-
TION 24, TOWN-
SHIP 9 SOUTH,
RANGE 15 EAST,
AND SECTIONS
22, 23, 28, AND
29, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company.

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

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

Protestants and/or
interveners should be
prepared to demon-
strate at the hearing
how this matter af-
fects their interests.

Dated this 6th day
of May, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING

Brad Hill
Permitting Man-
ager

Published in the
Uintah Basin Stan-
dard May 13, 2014.

STILL IS CONTINUING
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:

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API 43-013-33026
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API 43-013-33407
Federal 2-29-9-16 well located in NW/4 NE/4, Section 29, Township 9 South, Range 16 East

API 43-013-33424

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

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-421

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Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**ASHLEY FEDERAL 12-24R-9-15, FEDERAL 2-22-9-16, FEDERAL 6-22-9-16,
FEDERAL 8-22-9-16, FEDERAL 14-22-9-16, FEDERAL 4-23-9-16,
FEDERAL 2-28-9-16, FEDERAL 4-28-9-16, FEDERAL 2-29-9-16**

Cause No. UIC-421

Publication Notices were sent to the following:

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

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

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubslegals@ubmedia.biz

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

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

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





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

May 8, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-421

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.

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action Newfield Cause No. UIC-421

1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz>

Fri, May 9, 2014 at 12:49 PM

To: Jean Sweet <jsweet@utah.gov>

On 5/8/2014 10:39 AM, Jean Sweet wrote:

To whom it may concern:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

-

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

I think I replied to this, but if not, it will publish May 13.

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

May 8, 2014

VIA E-MAIL 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-421

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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

Order Confirmation for Ad #0000957536-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	Payor Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154
Fax	801-359-3940	Ordered By	Acct. Exec
E-Mail	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$280.52			
Payment Amt	\$0.00			
Amount Due	\$280.52	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	CAUSE NO. UIC-421	

Confirmation Notes:
Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 82 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	5/9/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	5/9/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	5/9/2014	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-421

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API 43-013-33026
- Federal 9-22-9-16 well located in SE 4 NE 4, Section 22, Township 9 South, Range 16 East
API 43-013-32959
- Federal 14-22-9-16 well located in SE 4 SW 4, Section 22, Township 9 South, Range 16 East
API 43-013-33147
- Federal 4-23-9-16 well located in NW 4 NW 4, Section 23, Township 9 South, Range 16 East
API 43-013-33177
- Federal 2-28-9-16 well located in NW 4 NE 4, Section 28, Township 9 South, Range 16 East
API 43-013-33409
- Federal 4-28-9-16 well located in NW 4 NW 4, Section 28, Township 9 South, Range 16 East
API 43-013-33407
- Federal 2-29-9-16 well located in NW 4 NE 4, Section 29, Township 9 South, Range 16 East
API 43-013-33424

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

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

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

Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
s/ Brad Hill
Permitting Manager

957536

LPAXLP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

April 23, 2014

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 #8-22-9-16
Monument Butte Field, Lease #UTU-64379
Section 22-Township 9S-Range 16E
Duchesne County, Utah

RECEIVED

APR 25 2014

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,


Jill L. Loyle
Regulatory Associate

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #8-22-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-64379
APRIL 23, 2014

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Federal 8-22-9-16

Spud Date: 11/01/06
 Put on Production: 12/13/06
 K.B.: 5791, G.L.: 5779

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

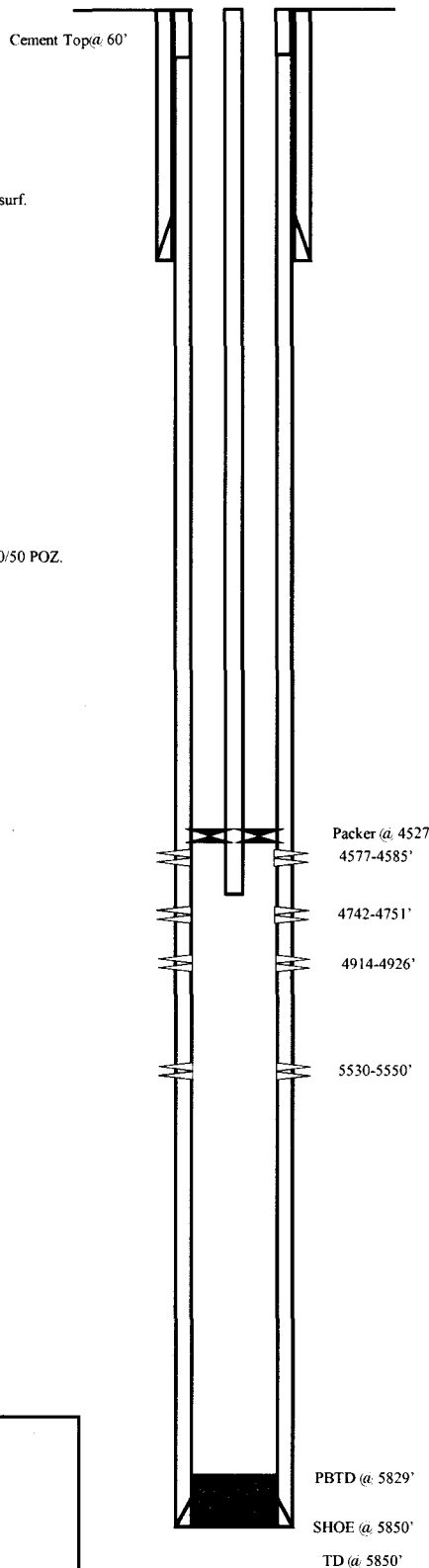
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.68')
 DEPTH LANDED: 322.53' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts. (5837.43')
 DEPTH LANDED: 5850.68' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 322 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5517.93')
 TUBING ANCHOR: 5517.90' KB
 NO. OF JOINTS: 1 jts (31.70')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5552.4' KB
 NO. OF JOINTS: 2 jts (63.10')
 TOTAL STRING LENGTH: EOT @ 5617' KB




FRAC JOB

12/08/06	5530-5550'	Frac CP4, sands as follows: 30245# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 25 BPM. ISIP 1960 psi. Calc flush: 5548 gal. Actual flush: 4998 gal.
12/08/06	4914-4926'	Frac A1 sands as follows: 70951# 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1762 psi w/avg rate of 25 BPM. ISIP 2190 psi. Calc flush: 4924 gal. Actual flush: 4452 gal.
12/08/06	4742-4751'	Frac B2 sands as follows: 29729# 20/40 sand in 414 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 25 BPM. ISIP 1950 psi. Calc flush: 4749 gal. Actual flush: 4242 gal.
12/08/06	4577-4585'	Frac C sands as follows: 26560# 20/40 sand in 342 bbls Lightning 17 frac fluid. Treated @ avg press of 2804 psi w/avg rate of 25 BPM. ISIP psi. Calc flush: 4583 gal. Actual flush: 4242 gal.
07/16/10		Pump Change. Rod & Tubing detail.

PERFORATION RECORD

12/05/06	5530-5550'	4 JSPF	80 holes
12/08/06	4914-4926'	4 JSPF	48 holes
12/08/06	4742-4751'	4 JSPF	36 holes
12/08/06	4577-4585'	4 JSPF	32 holes

NEWFIELD



Federal 8-22-9-16

2200' FNL & 618' FEL

SE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32959; Lease #UTU-64379

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 17th 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 #8-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

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

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

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

The injection zone is in the Green River Formation. For the Federal #8-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3785' - 5829'). 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 3466' and the TD is at 5850'.

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

The referenced log for the Federal #8-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

This proposed injection well is on a Federal lease (Lease #UTU-64379) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

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

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

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

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

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

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

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

The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 5851' 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 1919 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 #8-22-9-16, for existing perforations (4577' - 5550') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1919 psig. We may add additional perforations between 3466' and 5850'. 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 #8-22-9-16, the proposed injection zone (3785' - 5829') 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-17.

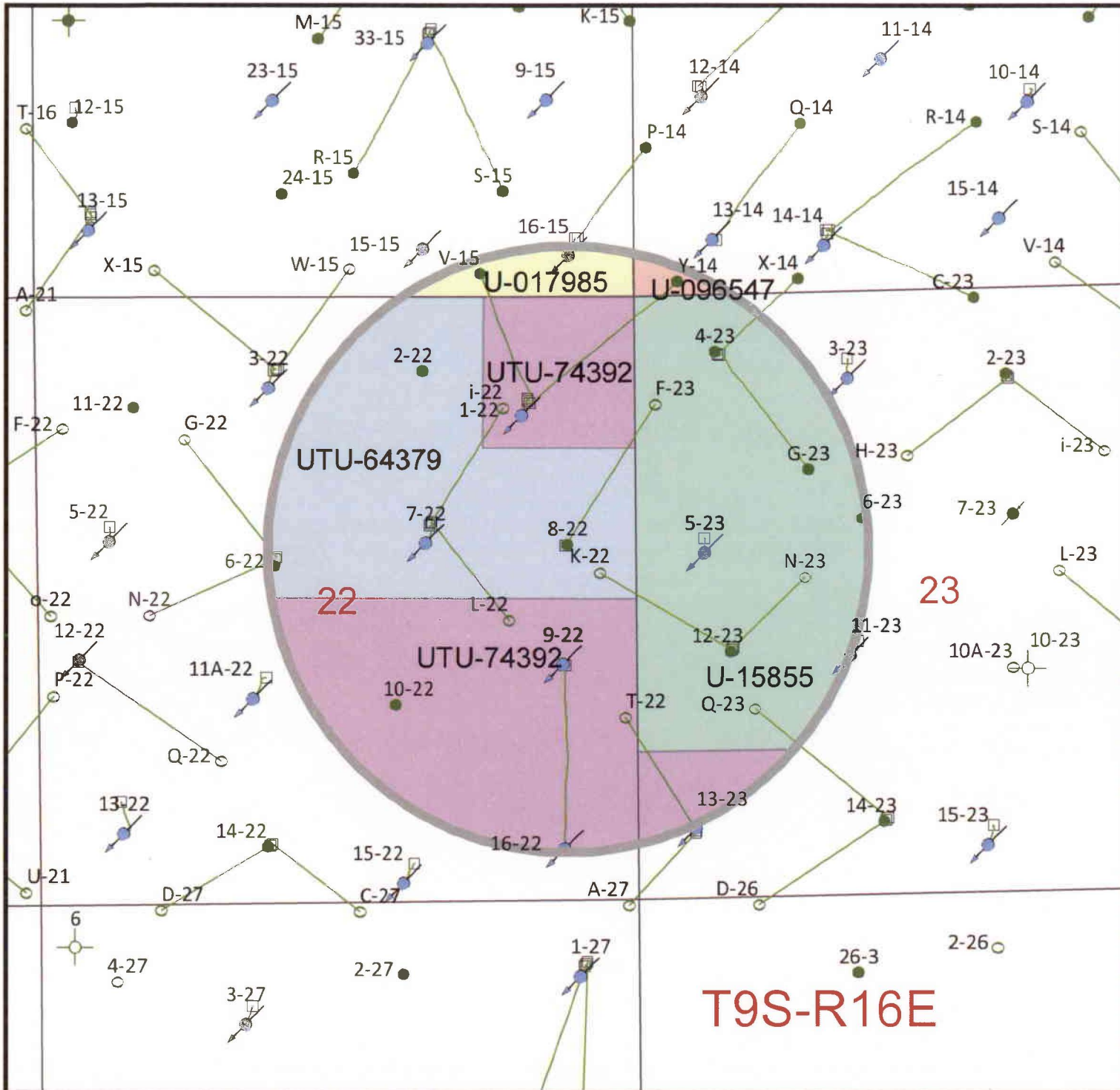
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

Well Status

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

Federal 8-22-9-16
Section 22, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS¹ in = 1,250 feet

1/2 Mile Radius Map
Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 899-0102

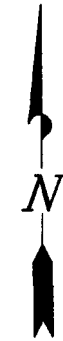
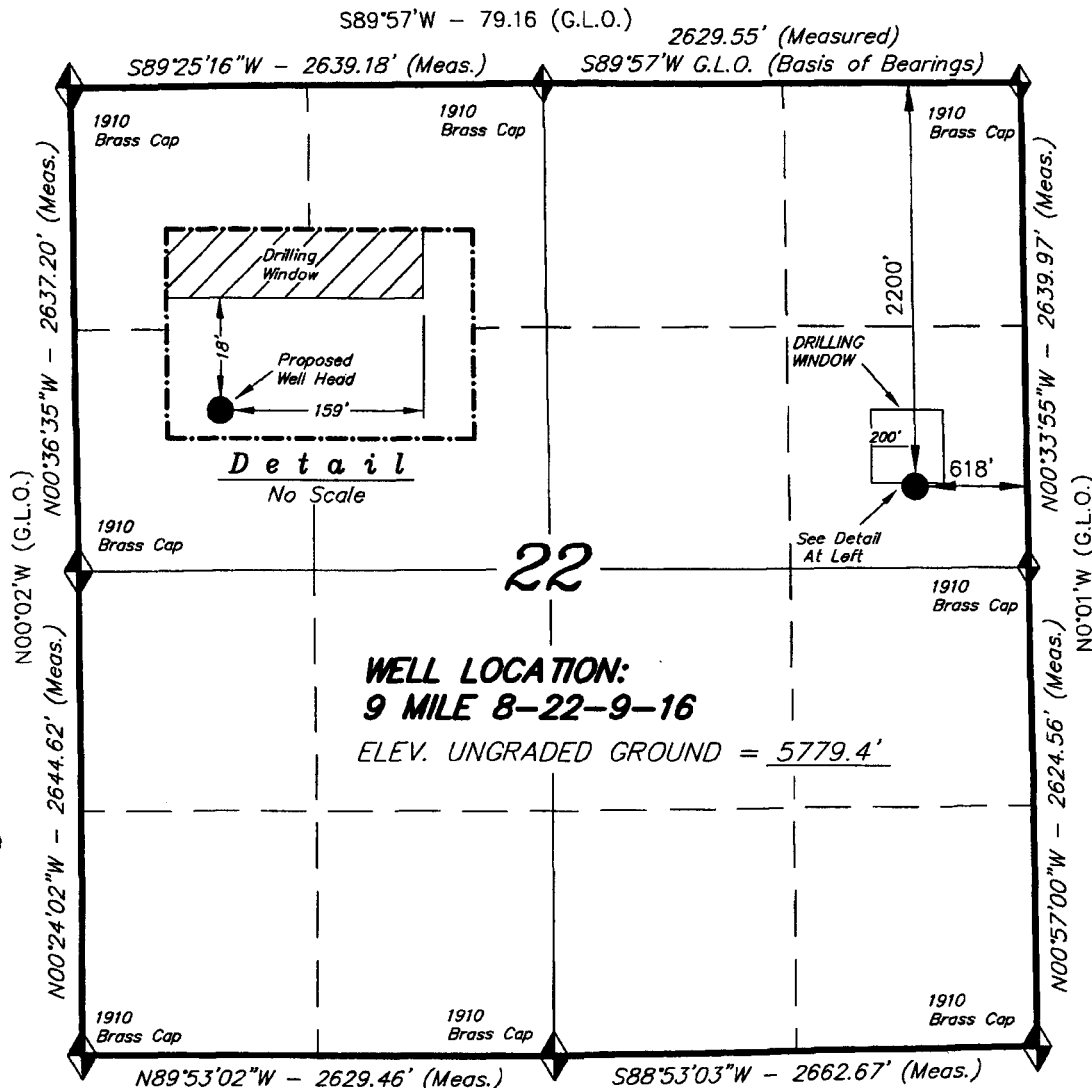
March 13, 2014

T9S-R16E

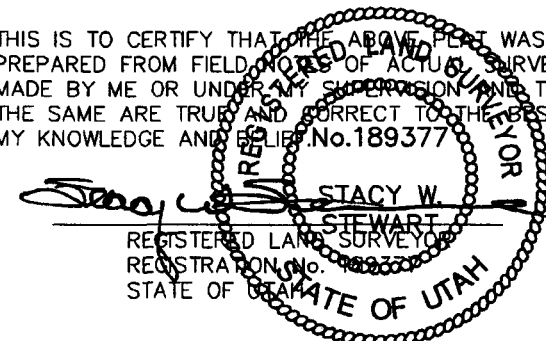
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 8-22-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NE
 1/4 OF SECTION 22, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



TRI STATE LAND SURVEYING & CONSULTING

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

SCALE: 1" = 1000'	SURVEYED BY: D.P.
DATE: 10-3-05	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

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

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 10: S2SE Section 15: E2,E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
3	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
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-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
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ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #8-22-9-16

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

Signed: Jill L. Loyle
Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 23rd day of April, 2014.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Federal 8-22-9-16

Spud Date: 11/01/06
 Put on Production: 12/13/06
 K.B.: 5791, G.L.: 5779

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.68')
 DEPTH LANDED: 322.53' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts. (5837.43')
 DEPTH LANDED: 5850.68' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 322 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 60'

TUBING

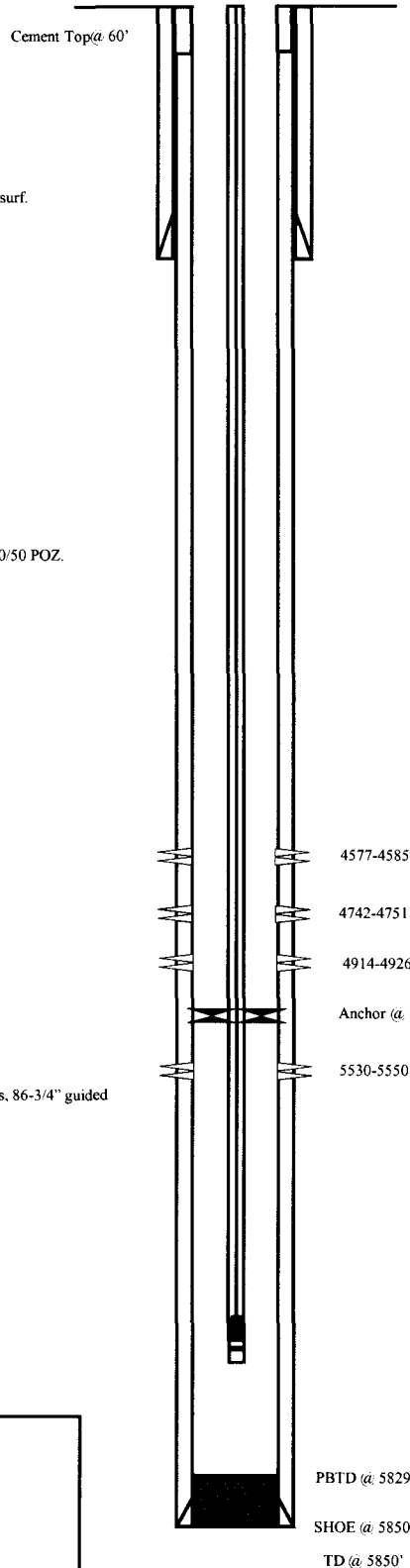
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5517.93')
 TUBING ANCHOR: 5517.90' KB
 NO. OF JOINTS: 1 jts (31.70')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5552.4' KB
 NO. OF JOINTS: 2 jts (63.10')
 TOTAL STRING LENGTH: EOT @ 5617' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 2-8' x 3/4" pony rod, 100-3/4" guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger
 STROKE LENGTH: 61"
 PUMP SPEED, 5 SPM:

FRAC JOB

12/08/06	5530-5550'	Frac CP4, sands as follows: 30245# 20/40 sand in 381 bbls Lightning 17 frac fluid. Treated @ avg press of 2020 psi w/avg rate of 25 BPM. ISIP 1960 psi. Calc flush: 5548 gal. Actual flush: 4998 gal.
12/08/06	4914-4926'	Frac A1 sands as follows: 70951# 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1762 psi w/avg rate of 25 BPM. ISIP 2190 psi. Calc flush: 4924 gal. Actual flush: 4452 gal.
12/08/06	4742-4751'	Frac B2 sands as follows: 29729# 20/40 sand in 414 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 25 BPM. ISIP 1950 psi. Calc flush: 4749 gal. Actual flush: 4242 gal.
12/08/06	4577-4585'	Frac C sands as follows: 26560# 20/40 sand in 342 bbls Lightning 17 frac fluid. Treated @ avg press of 2804 psi w/avg rate of 25 BPM. ISIP psi. Calc flush: 4583 gal. Actual flush: 4242 gal.
07/16/10		Pump Change. Rod & Tubing detail.



PERFORATION RECORD

12/05/06	5530-5550'	4 JSPF	80 holes
12/08/06	4914-4926'	4 JSPF	48 holes
12/08/06	4742-4751'	4 JSPF	36 holes
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NEWFIELD

Federal 8-22-9-16

2200' FNL & 618' FEL

SE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32959; Lease #UTU-64379

TW 09/14/10

Federal 1-22-9-16

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

Injection Wellbore Diagram

SURFACE CASING

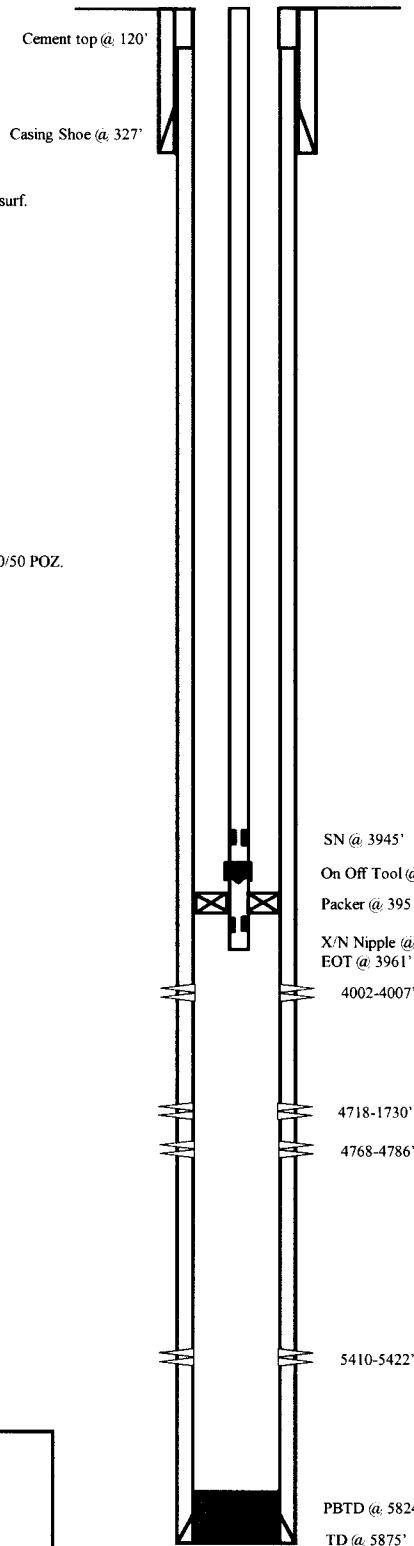
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (315.48')
 DEPTH LANDED: 327.33' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

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

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 124 jts (3933.1')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3945.1' KB
 ON/OFF TOOL AT: 3946.2'
 ARROW #1 PACKER CE AT: 3951'
 XO 2-3/8 x 2-7/8 J-55 AT: 3955.2'
 TBG PUP 2-3/8 J-55 AT: 3955.8'
 X/N NIPPLE AT: 3959.9'
 TOTAL STRING LENGTH: EOT @ 3961'




FRAC JOB

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

PERFORATION RECORD

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



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

FEDERAL 2-22-9-16

Spud Date: 05/23/07
 Put on Production: 07/03/07
 GL: 5860' KB: 5872'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.90')
 DEPTH LANDED: 314.75' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, cir 6 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts. (5894.51')
 DEPTH LANDED: 5893.76' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP: 57' per CBL 6/25/07

TUBING (GI 4/9/12)

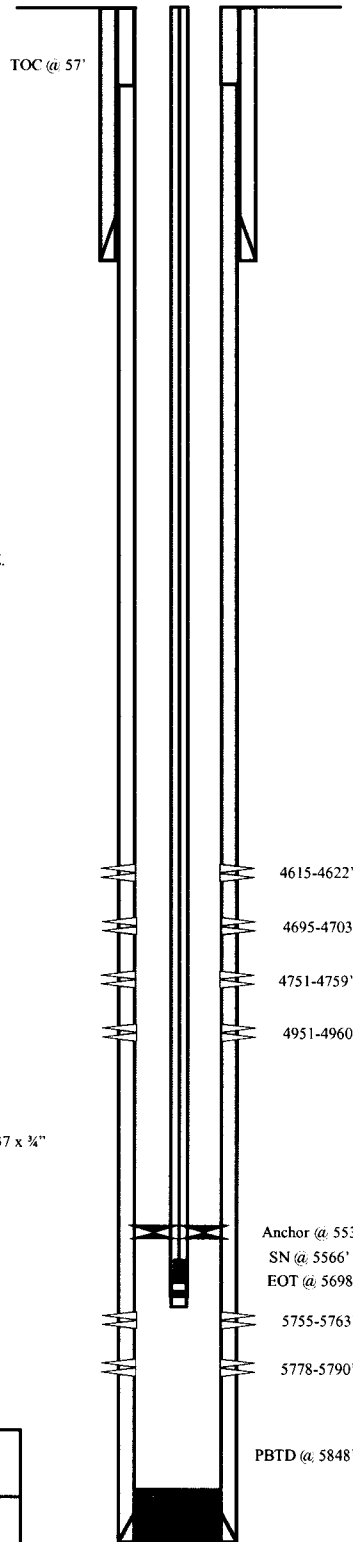
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 178 jts. (5519.9')
 TUBING ANCHOR: 5531.9'
 NO. OF JOINTS: 1 jts (31.40')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5566.10'
 NO. OF JOINTS: 1 jt. (29.80')
 PBGA: 3-1/2" (5.4')
 NO. OF JOINTS: 3 jts (94.7')
 PBGA: 2-7/8" (0.7')
 TOTAL STRING LENGTH: EOT @ 5698'

SUCKER RODS (GI 4/9/12)

POLISHED ROD: 1-1/2" x 22' polish rod
 SUCKER RODS: 131 x 3/4" guided rods(4per), 47 x 3/4" sucker rods, 37 x 3/4" guided rods(4per), 6 x 1-1/2" Sinker bars, 6 x 1" Stabilizer rod
 PUMP SIZE: 2-1/2" x 1-1/4" x 12' x 16' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5
 PUMPING UNIT: Weatherford C-228-213-86

FRAC JOB

06/27/07	5755-5790'	Frac CP5 sands as follows: 60101# 20/40 sand in 501 bbls Lightning 17 frac fluid. Treated @ avg press of 1583 psi w/avg rate of 24.7 BPM. ISIP 1950 psi. Calc flush: 5753 gal. Actual flush: 5166 gal.
06/27/07	4951-4960'	Frac A.5 sands as follows: 39988# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 24.7 BPM. ISIP 2525 psi. Calc flush: 4898 gal. Actual flush: 4360 gal.
06/27/07	4695-4759'	Frac D3 & C sands as follows: 57108# 20/40 sand in 466 bbls Lightning 17 frac fluid. Treated @ avg press of 2290 psi w/avg rate of 24.7 BPM. ISIP 3228 psi. Calc flush: 4693 gal. Actual flush: 4158 gal.
06/29/07	4615-4622'	Frac D1 sands as follows: 9646# 20/40 sand in 210 bbls Lightning 17 frac fluid. Treated @ avg press of 2799 psi w/avg rate of 24.7 BPM. ISIP 1928 psi. Calc flush: 4613 gal. Actual flush: 4536 gal.



PERFORATION RECORD

06/25/07	5778-5790'	4 JSPF	48 holes
06/25/07	5755-5763'	4 JSPF	32 holes
06/27/07	4951-4960'	4 JSPF	36 holes
06/27/07	4751-4759'	4 JSPF	32 holes
06/27/07	4695-4703'	4 JSPF	32 holes
06/27/07	4615-4622'	4 JSPF	28 holes

NEWFIELD

FEDERAL 2-22-9-16

645'FNL & 1878' FEL

NW/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32958; Lease # UTU-64379

Federal 6-22-9-16

Spud Date: 3-13-08
 Put on Production: 5-6-08
 GL: 5913' KB: 5925'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (290.93')
 DEPTH LANDED: 302.78' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

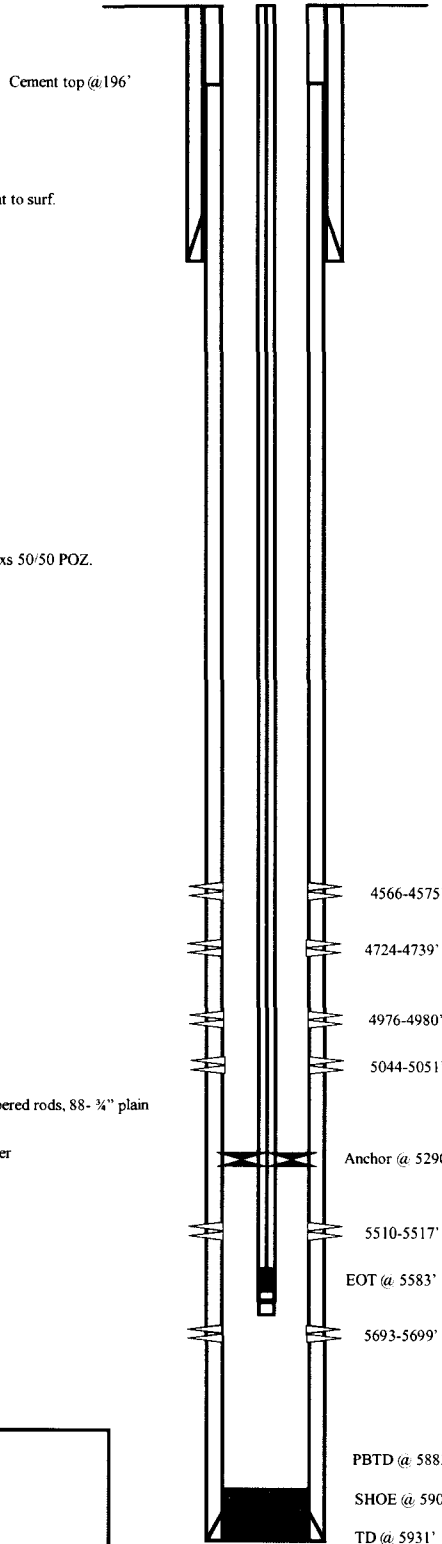
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141 jts (5933.60')
 DEPTH LANDED: 5904' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 196'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 168 jts (5278.14')
 TUBING ANCHOR: 5290.14' KB
 NO. OF JOINTS: 2 jts (63.11')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5356.05' KB
 NO. OF JOINTS: 1 jts (31.47')
 TOTAL STRING LENGTH: EOT @ 5583.08' KB

SUCKER RODS

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



FRAC JOB

04-30-08	5693-5699'	Frac CP4 sands as follows: 16361# 20/40 sand in 302 bbls Lightning 17 frac fluid. Treated @ avg press of 2441 psi w/avg rate of 23.2 BPM. ISIP 2055 psi. Calc flush: 5691 gal. Actual flush: 5250 gal.
04-30-08	5510-5517'	Frac CP2 sands as follows: 15257# 20/40 sand in 279 bbls Lightning 17 frac fluid. Treated @ avg press of 2046 psi w/avg rate of 23.2 BPM. ISIP 1762 psi. Calc flush: 5508 gal. Actual flush: 4998 gal.
04-30-08	4976-5051'	Frac A3, & A1 sands as follows: 14997# 20/40 sand in 235 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 23.2 BPM. ISIP 1884 psi. Calc flush: 4974 gal. Actual flush: 4494 gal.
4-30-08	4724-4739'	Frac C sands as follows: 115315# 20/40 sand in 825 bbls Lightning 17 frac fluid. Treated @ avg press of 1876 w/ avg rate of 23.2 BPM. ISIP 2044 psi. Calc flush: 4722 gal. Actual flush: 4242 gal.
04-30-08	4566-4575'	Frac D1 sands as follows: 40206# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 1832 w/ avg rate of 23.2 BPM. ISIP 1850 psi. Calc flush: 4564 gal. Actual flush: 4452 gal.

PERFORATION RECORD

04-24-08	5693-5699'	4 JSPF	24 holes
04-30-08	5510-5517'	4 JSPF	28 holes
04-30-08	5044-5051'	4 JSPF	28 holes
04-30-08	4976-4980'	4 JSPF	16 holes
04-30-08	4724-4739'	4 JSPF	60 holes
04-30-08	4566-4575'	4 JSPF	36 holes

NEWFIELD

Federal 6-22-9-16

2340' FNL & 2060' FWL
 SE/NW Section 22-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33026; Lease # UTU-34379

Federal 7-22-9-16

Spud Date: 3/12/08
 Put on Production: 04/23/08
 GL: ~~5810~~, KB: 5880'
~~5868~~

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (323.72')
 DEPTH LANDED: 336'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

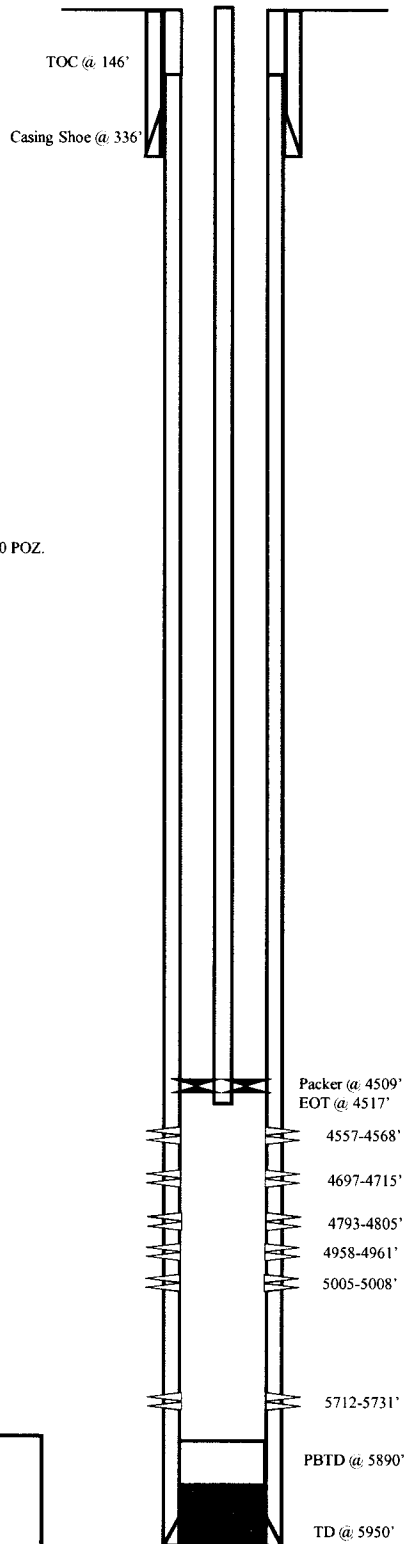
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141 jts. (5930.89')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5944'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 146'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 TBG PUP: 1 jt (10.2')
 NO. OF JOINTS: 142 jts (4480.1')
 ON/OFF TOOL AT: 4502.3'
 PACKER CE @ 4508.77'
 XO 2-7/8 x 2-3/8" AT: 4511.2'
 TBG PUP AT: 4511.7'
 TOTAL STRING LENGTH: EOT @ 4517' w/12' KB

Injection Wellbore Diagram



FRAC JOB

04-17-08	5712-5731'	Frac CP5 sands as follows: Frac with 45958 #'s of 20/40 sand in 460 bbls of Lightning 17 fluid. Treat at an ave pressure of 1725 psi @ 23.3 BPM. ISIP 1824 psi.
04-17-08	4793-4805'	Frac B1 sands as follows: Frac with 40109 #'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Treat at an ave pressure of 1811 psi @ 23.3 BPM. ISIP 1936 psi.
04-17-08	4697-4715'	Frac C sands as follows: Frac with 109892 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 2002 psi @ 23.3 BPM. ISIP 2125 psi.
04-17-08	4557-4568'	Frac D1 sands as follows: Frac with 52326 #'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treat at an ave pressure of 2259 psi @ 23.3 BPM. ISIP 2160 psi.
04-29-08		Pump change. Tubing and rod details updated.
5/8/2010		Pump changed. Updated rod and tubing detail.
08/07/12	5005 - 5008'	Frac A3 sands as follows: Frac with 14510# of 20/40 sand in 230 bbls of Lightning 17 fluid.
08/07/12	4958-4961'	Frac A1 sands as follows: Frac with 16997# of 20/40 sand in 228 bbls of Lightning 17 fluid.
08/10/12		Convert to Injection Well
08/13/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

4557 - 4568'	4 JSPF	44 holes
4697 - 4715'	4 JSPF	72 holes
4793 - 4805'	4 JSPF	48 holes
5712 - 5731'	4 JSPF	76 holes
5005 - 5008'	3 JSPF	9 holes
4958 - 4961'	3 JSPF	9 holes

NEWFIELD

Federal 7-22-9-16

2036' FNL & 1837' FEL
 SWNE Section 22-T9S-R16E
 Duchesne Co, Utah

API #43-013-33027; Lease #UTU-64379

Federal 9-22-9-16

Spud Date: 4-19-2007
 Put on Production: 6-08-2007
 GL: 5803' KB: 5815'

Injection Wellbore Diagram

SURFACE CASING

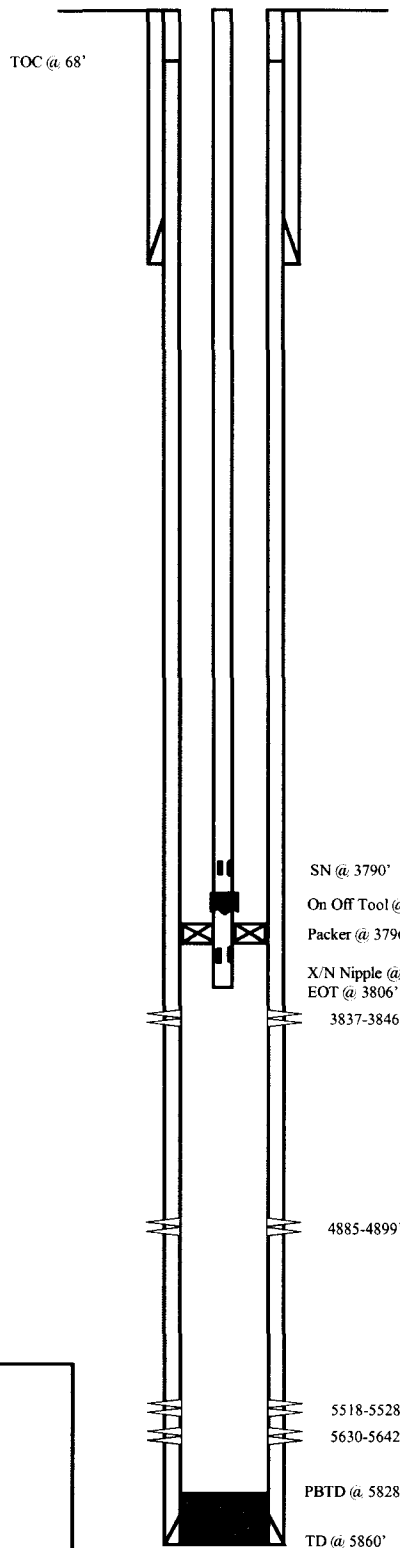
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (312.91')
 DEPTH LANDED: 322.91'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160sxs Class "G" cmt, circ 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133jts (5855.48')
 DEPTH LANDED: 5852.48'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325sxs Premilite II & 425sxs 50/50 POZ.
 CEMENT TOP AT: 68' per CBL 5/30/07

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 123 jts (3778')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3790' KB
 ON/OFF TOOL AT: 3791.1'
 ARROW #1 PACKER CE AT: 3796.4'
 XO 2-3/8 x 2-7/8 J-55 AT: 3800.1'
 TBG PUP 2-3/8 J-55 AT: 3800.6'
 X/N NIPPLE AT: 3804.8'
 TOTAL STRING LENGTH: EOT @ 3806.3'




FRAC JOB

06-05-07	5630-5642'	Frac CP5 sands as follows: 39984# 20/40 sand in 405 bbls Lightning 17 frac fluid. Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM. ISIP 2165 psi. Calc flush: 5328 gal. Actual flush: 5208 gal.
06-05-07	5518-5528'	Frac CP4 sands as follows: 25037# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM. ISIP 2241 psi. Calc flush: 5516 gal. Actual flush: 4998 gal.
06-05-07	4885-4899'	Frac A1 sands as follows: 59792# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM. ISIP 2240 psi. Calc flush: 4883 gal. Actual flush: 4368 gal.
06-05-07	3837-3846'	Frac GB2 sands as follows: 35741# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1806 w/avg rate of 24.7 BPM. ISIP 2950 psi. Calc flush: 3835 gal. Actual flush: 3738 gal.
12-13-07		Pump Change. Updated rod & tubing details.
1-30-08		Pump Change. Updated rod & tubing details.
8-29-08		Pump Change. Updated rod & tubing details.
1/23/09		Pump Change. Updated r & t details.
10/05/11		Pump Change. Rods & tubing updated.
08/21/13		Convert to Injection Well
08/23/13		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

05-30-07	5630-5642'	4 JSPF	48 holes
06-05-07	5518-5528'	4 JSPF	40 holes
06-05-07	4885-4899'	4 JSPF	96 holes
06-05-07	3837-3846'	4 JSPF	36 holes

NEWFIELD



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

FEDERAL 10-22-9-16

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

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.97')
 DEPTH LANDED: 322.82' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts. (5904.01')
 DEPTH LANDED: 5917.26' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP: 160'

TUBING

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

SUCKER RODS

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

FRAC JOB

06/25/07 5730-5740' **Frac CPS sands as follows:**
 40069# 20/40 sand in 408 bbls Lightning 17 frac fluid. Treated @ avg press of 1945 psi w/avg rate of 24.7 BPM. ISIP 2163 psi. Calc flush: 5728 gal. Actual flush: 5208 gal.

06/26/07 5150-5178' **Frac LODC sands as follows:**
 126558# 20/40 sand in 899 bbls Lightning 17 frac fluid. Treated @ avg press of 2216 psi w/avg rate of 24.7 BPM. ISIP 2676 psi. Calc flush: 5148 gal. Actual flush: 4662 gal.

06/26/07 4977-4998' **Frac A1 sands as follows:**
 94957# 20/40 sand in 708 bbls Lightning 17 frac fluid. Treated @ avg press of 1623 psi w/avg rate of 24.7 BPM. ISIP 1945 psi. Calc flush: 4975 gal. Actual flush: 4494 gal.

06/26/07 4806-4835' **Frac B2 & B1 sands as follows:**
 61885# 20/40 sand in 508 bbls Lightning 17 frac fluid. Treated @ avg press of 1689 psi w/avg rate of 24.7 BPM. ISIP 1825 psi. Calc flush: 4804 gal. Actual flush: 4326 gal.

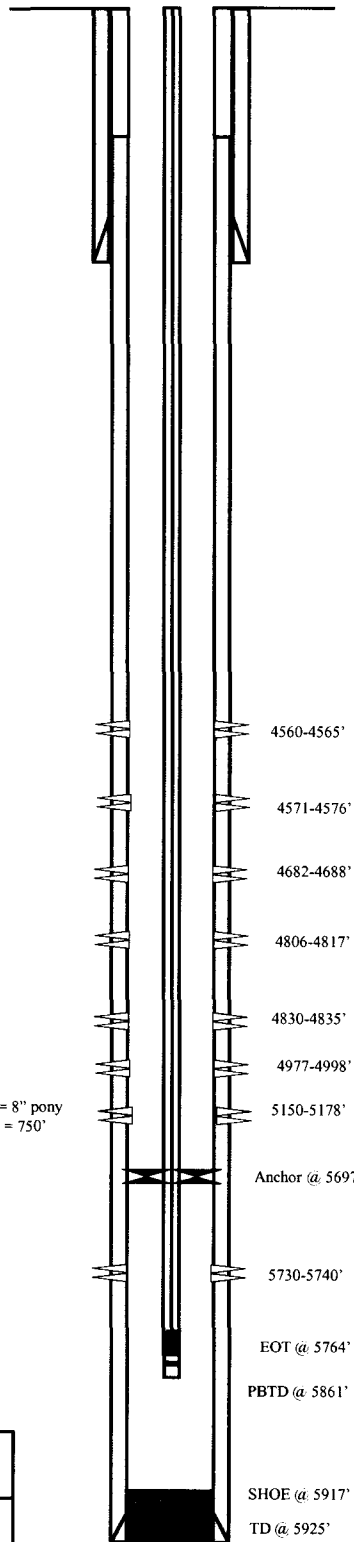
06/26/07 4682-4688' **Frac D3 sands as follows:**
 12609# 20/40 sand in 241 bbls Lightning 17 frac fluid. Treated @ avg press of 2133 psi w/avg rate of 24.7 BPM. ISIP 1776 psi. Calc flush: 4680 gal. Actual flush: 4221 gal.

06/26/07 4560-4565' **Frac D1 sands as follows:**
 16073# 20/40 sand in 246 bbls Lightning 17 frac fluid. Treated @ avg press of 1881 psi w/avg rate of 24.7 BPM. ISIP 1857 psi. Calc flush: 4558 gal. Actual flush: 4494 gal.

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

PERFORATION RECORD

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



NEWFIELD

FEDERAL 10-22-9-16

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

FEDERAL 16-22-9-16

Spud Date: 08/27/07

Put on Production: 10/10/07

GL: 5800' KB: 5812'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (293.76')

DEPTH LANDED: 305.61' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: ? jts. (')

DEPTH LANDED: 6051' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sxs Prem. Lite II mixed & 525 sxs 50/50 POZ.

CEMENT TOP: 39'

TUBING

SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#

NO. OF JOINTS: 42 jts (1309')

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

NO. OF JOINTS: 108 jts (3375.7')

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

SN LANDED AT: 4696.7' KB

ON/OFF TOOL AT: 4697.8'

X-SEAL LANDED AT: 4699.3' KB

ARROW #1 PACKER CE AT: 4703.09'

XO 2-3/8 x 2-7/8 J-55 AT: 4706.6'

TBG PUP 2-3/8 J-55 AT: 4707.1'

X/N NIPPLE AT: 4711.1'

TOTAL STRING LENGTH: EOT @ 4713'

FRAC JOB

10/05/07 5035-5071'

Frac A1 sands as follows:

140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal.

10/06/07 4964-4969'

Frac A.5 sands as follows:

15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal.

10/05/07 4860-4867'

Frac B2 sands as follows:

13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.

10/05/07 4748-4760'

Frac C sands as follows:

41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.

6/17/08

Parted rods. Updated rod and tubing detail

11/19/08

Pump Change. Updated rod & tubing details.

2/13/09

Tubing Leak. Updated r & t details.

6/18/2010

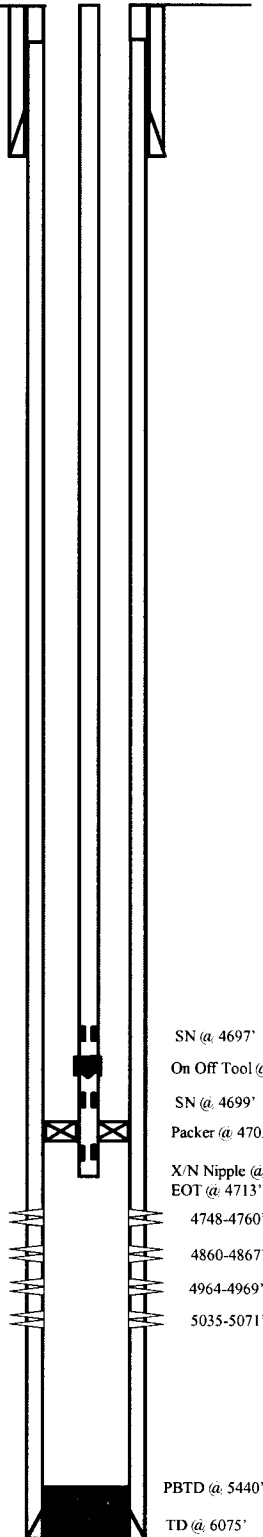
Tubing leak. Updated rod and tubing detail.

11/21/12

Conversion to Injection Well

11/27/12

Conversion MIT Finalized - update tbg detail



PERFORATION RECORD

Date	Well ID	Tool	Holes
10/02/07	5035-5071'	4 JSPF	144 holes
10/05/07	4964-4969'	4 JSPF	20 holes
10/05/07	4860-4867'	4 JSPF	28 holes
10/05/07	4748-4760'	4 JSPF	48 holes

NEWFIELD

FEDERAL 16-22-9-16

2068' FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

Federal 4-23-9-16

Spud Date: 01-09-08
 Put on Production: 3-10-08
 GL: 5716' KB: 5728'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.55')
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

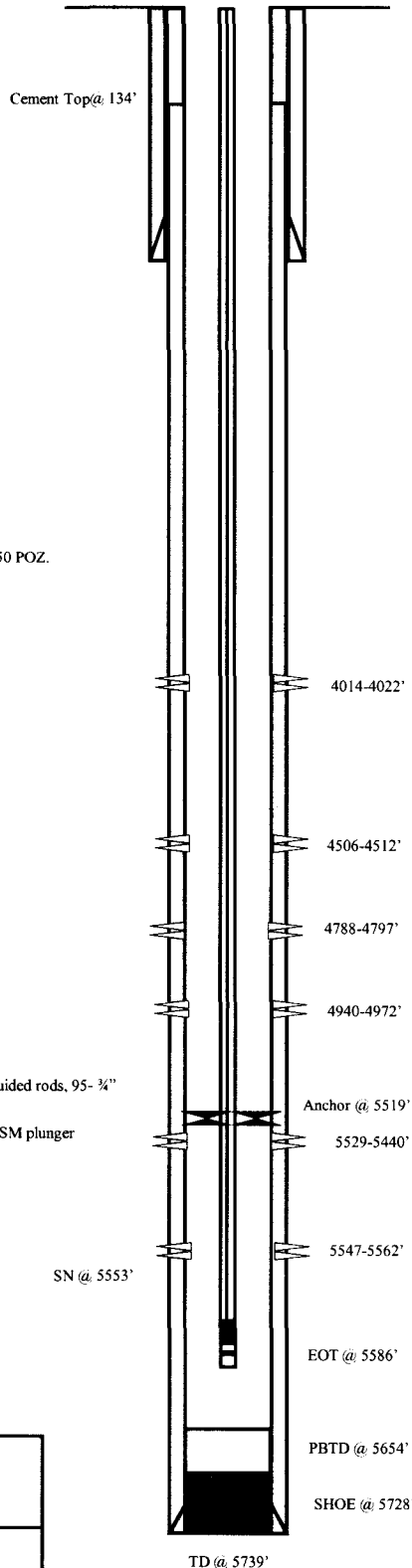
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133jts. (5715.22')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5728.47'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 134'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5507.16')
 TUBING ANCHOR: 5519.16'
 NO. OF JOINTS: 1 jts (31.39')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5553.35' KB
 NO. OF JOINTS: 1 jts (31.48')
 TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 1-6', 1-4' & 1-2' X 3/4" ponies, 100-3/4" guided rods, 95- 3/4" plain rods, 20-3/4" guided rods, 6- 1 1/2" weighted bars.
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' X 15.5' RHAC pump w/ SM plunger
 STROKE LENGTH: 86"
 PUMP SPEED, SPM:4



FRAC JOB

- 2-29-08 5547-5562' **Frac CP4 sands as follows:**
 Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM. ISIP 1970 psi.
- 2-29-08 5429-5440' **Frac CP2 sands as follows:**
 Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM. ISIP 1840 psi.
- 2-29-08 4940-4972' **Frac A1 sands as follows:**
 Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM. ISIP 2105 psi.
- 2-29-08 4788-4797' **Frac B2 sand as follows:**
 Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM. ISIP 1945 psi.
- 2-29-08 4506-4512' **Frac D1 sands as follows:**
 Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM. ISIP 1825 psi.
- 2-29-08 4014-4022' **Frac GB6 sands as follows:**
 Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM. ISIP 1880 psi.

PERFORATION RECORD

Interval	JSPF	Holes
4014-4022'	4 JSPF	32 holes
4506-4512'	4 JSPF	24 holes
4788-4797'	4 JSPF	36 holes
4940-4972'	4 JSPF	128 holes
5429-5440'	4 JSPF	44 holes
5547-5562'	4 JSPF	60 holes

NEWFIELD

Federal 4-23-9-16
 499' FNL & 685' FWL
 NWNW Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33177; Lease #UTU-15855

Spud Date: 1/17/08
 Put on Production: 3-5-08
 GL: 5749' KB: 5761'

Federal 5-23-9-16

Injection Wellbore Diagram

SURFACE CASING

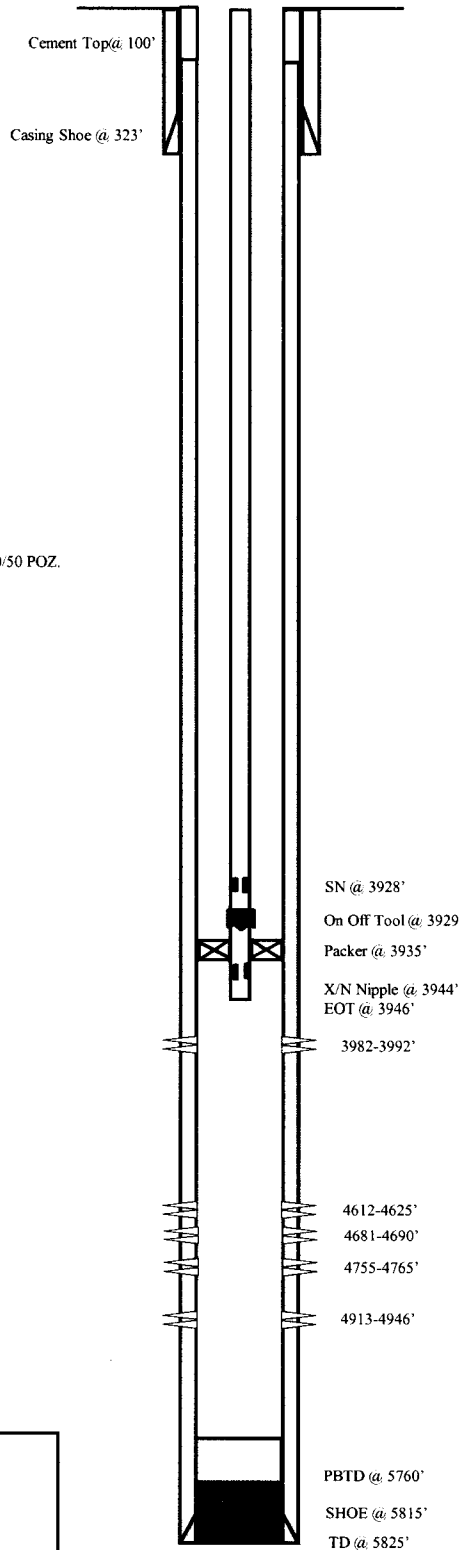
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.39')
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 323.24'
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (5781.03')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5814.84'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 100'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 123 jts (3915.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3927.9' KB
 ON/OFF TOOL AT: 3929.0'
 ARROW #1 PACKER CE AT: 3934.8'
 XO 2-3/8 x 2-7/8 J-55 AT: 3937.7'
 TBG PUP 2-3/8 J-55 AT: 3938.2'
 X/N NIPPLE AT: 3944.4'
 TOTAL STRING LENGTH: EOT @ 3946'



FRAC JOB

2-27-08 4913-4946' **Frac A1 sands as follows:**
 Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM. ISIP 2132 psi.

2-27-08 4755-4765' **Frac B2 sands as follows:**
 Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM. ISIP 1900 psi.

2-27-08 4681-4690' **Frac B.5 sands as follows:**
 Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM. ISIP 1943 psi.

2-27-08 4612-4625' **Frac C sand as follows:**
 Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM. ISIP 2346 psi.

2-27-08 3982-3992' **Frac GB6 sands as follows:**
 Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM. ISIP 1825 psi.

1/24/09 **Pump Change.** Updated r & t details.

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

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

PERFORATION RECORD

3982-3992'	4 JSPF	40 holes
4612-4625'	4 JSPF	52 holes
4681-4690'	4 JSPF	36 holes
4755-4765'	4 JSPF	40 holes
4913-4946'	4 JSPF	132 holes

NEWFIELD



Federal 5-23-9-16
 2125' FNL & 595' FWL
 SWNW Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32960; Lease #UTU-15855

FEDERAL 11-23-9-16

Spud Date: 1-15-08
 Put on Production: 3-7-08
 GL: 5726' KB: 5738'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.09')
 DEPTH LANDED: 320.94' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

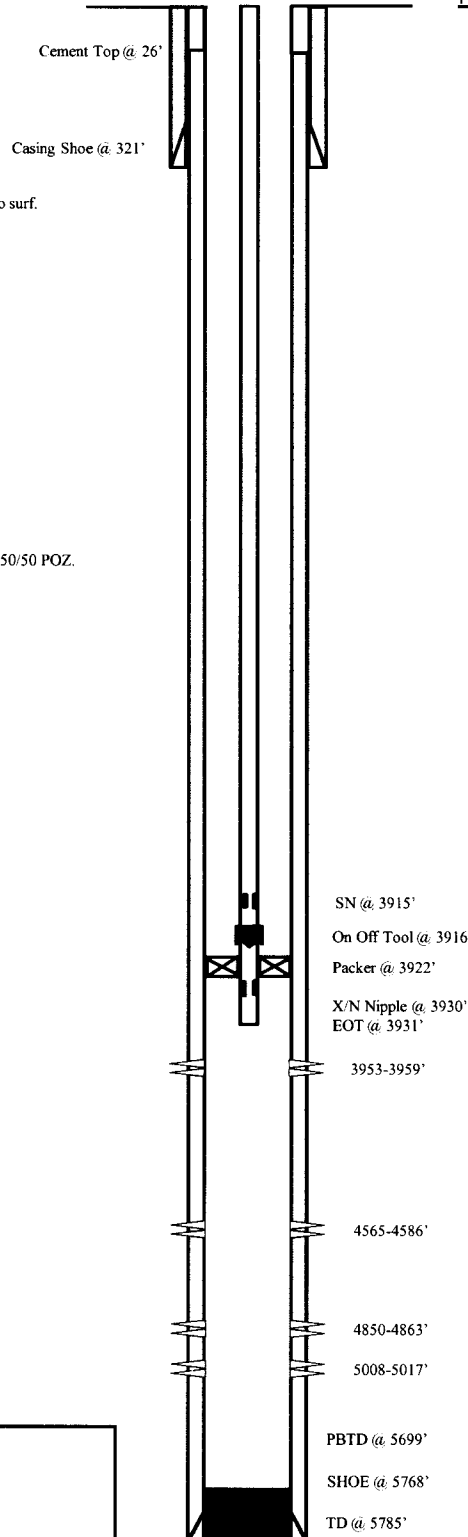
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts (5775.25')
 DEPTH LANDED: 5768.37' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 26'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 124 jts (3903.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3915.0' KB
 ON/OFF TOOL AT: 3916.1'
 ARROW #1 PACKER CE AT: 3922'
 XO 2-3/8 x 2-7/8 J-55 AT: 3925.1'
 TBG PUP 2-3/8 J-55 AT: 3925.6'
 X/N NIPPLE AT: 3929.8'
 TOTAL STRING LENGTH: EOT @ 3931'


FRAC JOB

03-04-08	4565-4586'	Frac C sands as follows: 90836# 20/40 sand in 686 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 23.1 BPM. ISIP 2180 psi. Calc flush: 4563 gal. Actual flush: 4477 gal.
06-05-2008	3953-3959'	Frac GB6, sands as follows: 16621# 20/40 sand in 206 bbls Lightning 17 frac fluid. Treated @ avg. press. of 2261 psi w/avg. rate of 15 BPM. ISIP 1696 psi.
06-05-2008	4850-4863'	Frac A1, sands as follows: 50043# 20/40 sand in 446 bbls Lightning 17 frac fluid. Treated @ ave. press. of 3342 psi w/avg. rate 15 BPM. ISIP 2218 psi.
06-05-2008	5008-5017'	Frac LODC, sands as follows: 45090# 20/40 sand in 445 bbls of Lightning 17 frac fluid. Treated @ ave. press. of 4224 psi w/avg. rate 15 BPM W/ 6.5 ppg of sand. ISIP 3173 psi.
12/13/12		Convert to Injection Well
12/13/12		Conversion MIT Finalized – update tbg detail



PERFORATION RECORD

02-29-08	4565-4586'	4 JSPF	84 holes
06-05-08	3953-3959'	4 JSPF	24 holes
06-05-08	4850-4863'	4 JSPF	52 holes
06-05-08	5008-5017'	4 JSPF	36 holes



FEDERAL 11-23-9-16
 2236' FSL & 1922' FWL
 NE/SW Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33178; Lease # UTU-15855

Castle Peak Federal 6-23-9-16

Spud Date: 7-30-84
 Put on Production: 9-11-84
 GL: 5725' KB: 5739'

Injection Wellbore
 Diagram

SURFACE CASING

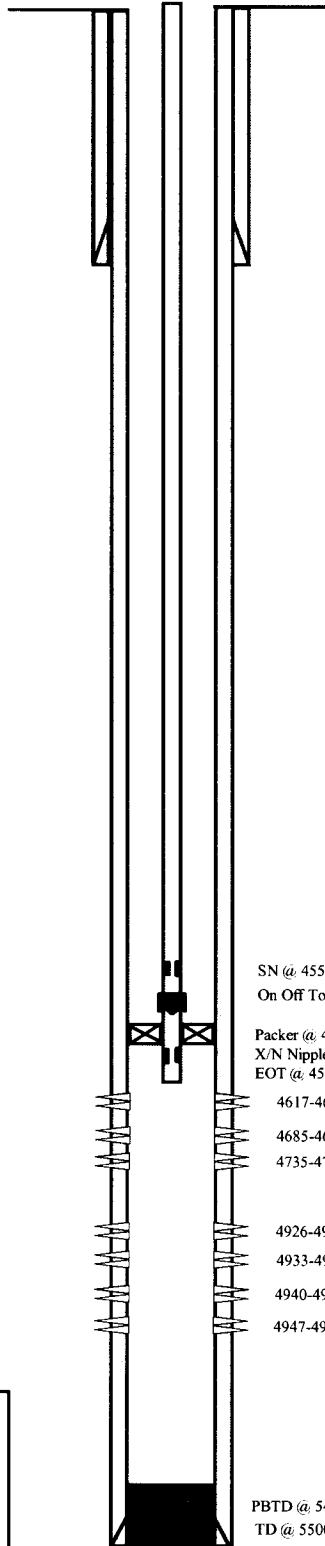
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (295.0')
 DEPTH LANDED: 295'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210sxs Class "G" cmt + 2" CaCl + sk Flocele.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 140 jts. (5497.24')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5495.95'
 CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal.
 CEMENT TOP AT: 000'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 145 jts (4545.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4558.3' KB
 ON/OFF TOOL AT: 4559.4'
 ARROW #1 PACKER CE AT: 4564.6'
 XO 2-3/8 x 2-7/8 J-55 AT: 4568.3'
 TBG PUP 2-3/8 J-55 AT: 4569'
 X/N NIPPLE AT: 4573.1'
 TOTAL STRING LENGTH: EOT @ 4574.65'



FRAC JOB

8-22-84 4926-4949' Frac sands as follows:
 Frac with 28500# 20/40 sand in 96500bbls Lightning 17 fluid.

3/12/11 **Tubing Leak.** Updated rod and tubing detail

02/27/14 **4685-4737'** Frac B.5 & B2 sands as follows:
 22138# 20/40 sand in 282 bbls Lightning 17 frac fluid.

02/27/14 **4685-4737'** Frac C sands as follows: 31402# 20/40 sand in 282 bbls Lightning 17 frac fluid.

03/04/14 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

4926-4930'	1 JSPF	4 holes
4933-4937'	1 JSPF	4 holes
4940-4945'	1 JSPF	5 holes
4947-4949'	1 JSPF	2 holes
4735-4737'	3 JSPF	6 holes
4685-4687'	3 JSPF	6 holes
4617-4625'	3 JSPF	24 holes

NEWFIELD

Castle Peak Federal 6-23-9-16
 1970'FWL & 1980 'FNL
 Section 23, T9S, R16E
 Duchesne Co, Utah
 API # 43-013-30873; Lease # UTU-15855

FEDERAL 12-23-9-16

Spud Date: 2/5/08
 Put on Production: 5/22/08
 GL: 5774' KB: 5786'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (322.64')
 DEPTH LANDED: 333'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 160 sxs Class "G" cmt

Cement Top @. 104'

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141 jts
 DEPTH LANDED: 5718.33' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 104'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 155 jts (4873.6')
 TUBING ANCHOR: 4885.6' KB
 NO. OF JOINTS: 1 jts (31.45')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4919.9' KB
 NO. OF JOINTS: 2 jts (62.6')
 TOTAL STRING LENGTH: EOT @. 4984' KB

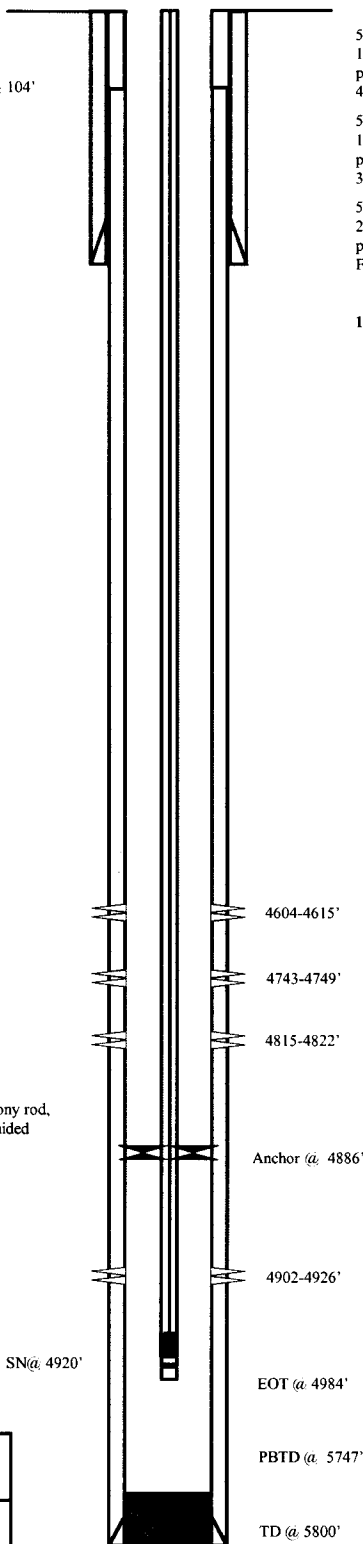
SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod
 SUCKER RODS: 1-8' x 3/4" pony rod, 1-6' x 3/4" pony rod, 2-8' x 3/4" pony rod,
 1-2' x 3/4" pony rod, 91-3/4" guided rods, 58-3/4" sucker rods, 40-3/4" guided
 rods, 6-1 1/2" weight bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 12x 16' RHAC
 STROKE LENGTH: 72"
 PUMP SPEED, SPM: 4

FRAC JOB

5/17/08 4902-4926' **Frac A3 sds as follows:**
 119,316# 20/40 sand in 996 bbls of Lightning 17 fluid. Treated w/ ave
 pressure of 1818 psi w/ ave rate of 23.4 BPM. ISIP 2198 psi. Actual Flush:
 4397 gal.
 5/17/08 4815-4822' **Frac A.5 sds as follows:**
 14,762# 20/40 sand in 260 bbls of Lightning 17 fluid. Treated w/ ave
 pressure of 3169 psi w/ ave rate of 23.3 BPM. ISIP 4200 psi. Actual Flush:
 3818 gal.
 5/17/08 4743-4749' **Frac B2 sds as follows:**
 25,365# 20/40 sand in 342 bbls of Lightning 17 fluid. Treated w/ ave
 pressure of 2818 psi w/ ave rate of 21.6 BPM. ISIP 3290 psi. Actual
 Flush:4238 gal.

12/12/2009 **Tubing leak.** Updated rod and tubind detail.



PERFORATION RECORD

Date	Interval	Completion Type	Holes
10/23/07	4604-4615'	4 JSPF	44 holes
10/26/07	4743-4749'	4 JSPF	24 holes
10/23/07	4815-4822'	4 JSPF	28 holes
10/26/07	4902-4926'	4 JSPF	96 holes

NEWFIELD

FEDERAL 12-23-9-16
 2120'FSL & 794' FWL
 NW/SW Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33179; Lease # UTU-15855

Federal 13-23-9-16

Spud Date: 10/5/07
 Put on Production: 6/5/08
 GL: 5751' KB: 5763'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.58')
 DEPTH LANDED: 322.58'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

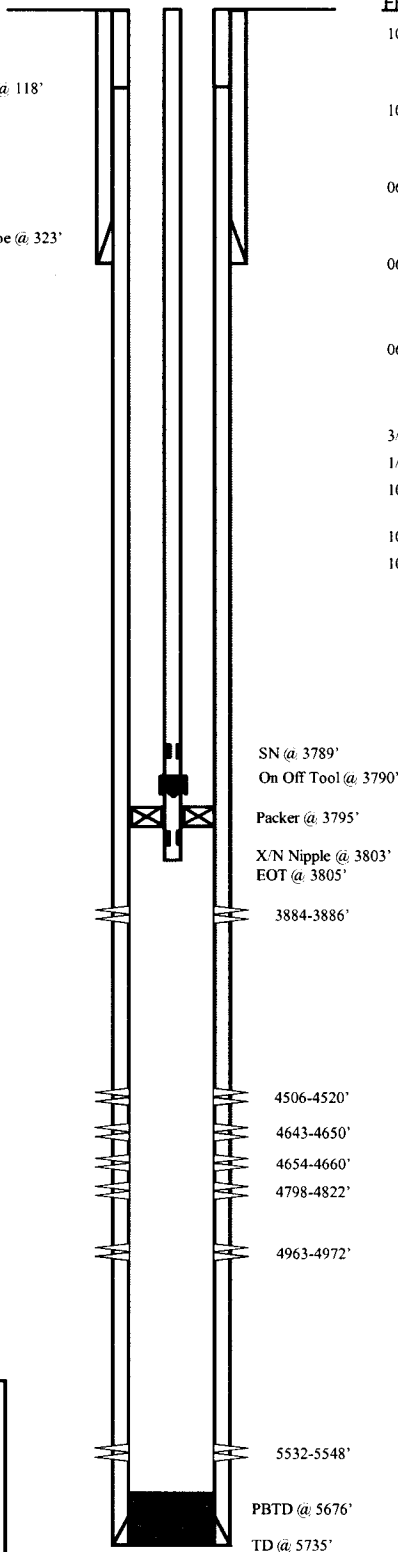
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 150 jts. (5720.33')
 DEPTH LANDED: 5718.33'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Premlite II & 400 sxs 50/50 POZ.
 CEMENT TOP: 118' per CBL 10/23/07

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 124 jts (3777.2')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3789.2' KB
 ON/OFF TOOL AT: 3790.3'
 ARROW #1 PACKER CE AT: 3795.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 3798.7'
 TBG PUP 2-3/8 J-55 AT: 3799.2'
 X/N NIPPLE AT: 3803.3'
 TOTAL STRING LENGTH: EOT @ 3804.94'

TOC @ 118'
 Casing Shoe @ 323'




FRAC JOB

10/26/07	5532-5548'	Frac CP5 sands as follows: 89901# 20/40 sand in 710 bbls Lightning 17 frac fluid. Treated @ avg press of 1990 psi w/avg rate of 24.8 BPM. ISIP 2180 psi.
10/26/07	4963-4972'	Frac LODC sands as follows: 56448# 20/40 sand in 493 bbl Lightning 17 frac fluid. Treated @ avg press of 2830 psi w/avg rate of 24.8 BPM. ISIP 3045 psi.
06/03/08	4798-4822'	Frac A1 sands as follows: 159955# 20/40 sand in 1112 bbls Lightning 17 frac fluid. Treated @ avg press of 1807 psi w/avg rate of 26.6 BPM. ISIP 1971 psi.
06/03/08	4643-4600'	Frac B2 sands as follows: 99834# 20/40 sand in 748 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 25.5 BPM. ISIP 2135 psi.
06/03/08	4874-4888'	Frac C sands as follows: 79546# 20/40 sand in 617 bbls Lightning 17 frac fluid. Treated @ avg press of 2034 psi w/avg rate of 26.3 BPM. ISIP 1907 psi.
3/16/10		Pump change. Updated rod and tubing detail.
1/8/2011		Pump Change. Update rod and tubing details.
10/10/13	3884-3886'	Frac GB6 sands as follows: 17000# 20/40 sand in 182 bbls Lightning 17 frac fluid
10/11/13		Convert to Injection Well
10/16/13		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

5532-5548'	4 JSPF	64 holes
4963-4972'	4 JSPF	36 holes
4798-4822'	4 JSPF	96 holes
4654-4660'	4 JSPF	24 holes
4643-4650'	4 JSPF	28 holes
4506-4520'	4 JSPF	56 holes
3884-3886'	3 JSPF	6 holes



Federal 13-23-9-16
 612' FSL & 466' FWL
 SW/SW Section 23-T9S-R16E
 Duchesne Co. Utah
 API #43-013-33180; Lease # UTU-74392

Jonah Federal 16-15-9-16

Spud Date: 12/28/05
 Put on Production: 02/02/06
 GL: 5704' KB: 5716'

Injection Wellbore Diagram

SURFACE CASING

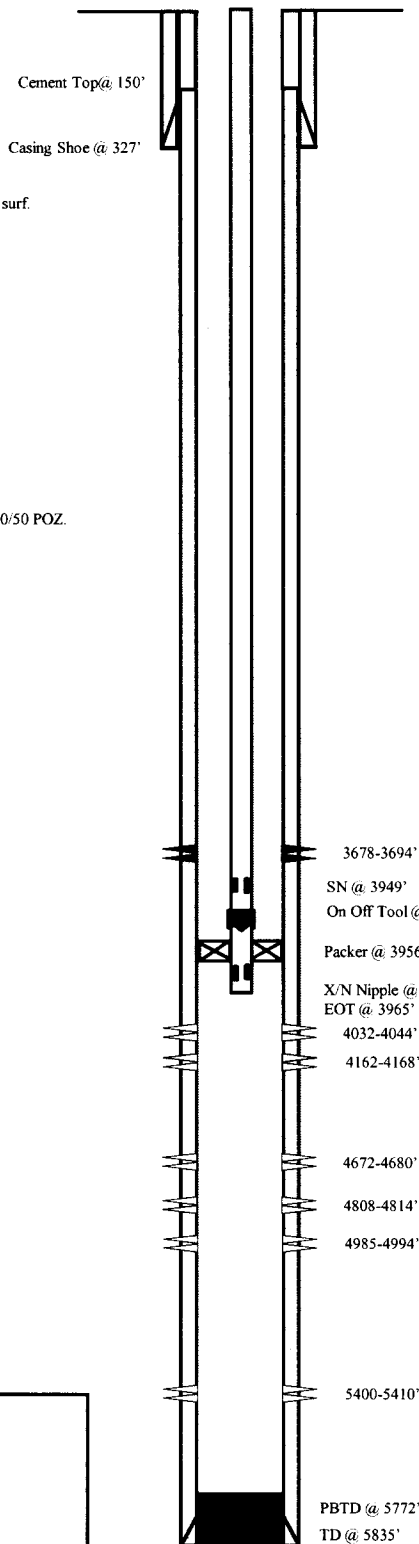
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (315.16')
 DEPTH LANDED: 327.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts. (5818.63')
 DEPTH LANDED: 5817.88' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 150'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts (3937')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3949' KB
 ON/OFF TOOL AT: 3950.1'
 ARROW #1 PACKER CE AT: 3956.2'
 XO 2-3/8 x 2-7/8 J-55 AT: 3959.2'
 TBG PUP 2-3/8 J-55 AT: 3959.7'
 X/N NIPPLE AT: 3963.9'
 TOTAL STRING LENGTH: EOT @ 3965.49'



FRAC JOB

01/25/06	5400-5410'	Frac C1 sands as follows: 14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.
01/25/06	4985-4994'	Frac A3 sands as follows: 18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.
01/25/06	4808-4814'	Frac B2 sands as follows: 23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.
01/25/06	4672-4680'	Frac C sands as follows: 61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.
01/25/06	4032-4044'	Frac PB8, GB6 sands as follows: 29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.
01/25/06	3678-3694'	Frac GG sands as follows: 48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.
06-26-06		Parted Rods: Update rod and tubing details.
11-27-06		Pump Change: Updated rod and tubing detail.
9-12-07		Pump change. Updated rod & tubing details.
04/17/08		Pump change. Updated rod & tubing details.
12/11/09		Tubing leak. Updated rod and tubing details.
10/29/13	3678-3694'	Cmt Squeeze – 100 sxs Class G Cement
11/15/13		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

01/18/06	5400-5410'	4 JSPF	40 holes
01/25/06	4985-4994'	4 JSPF	36 holes
01/25/06	4808-4814'	4 JSPF	24 holes
01/25/06	4672-4680'	4 JSPF	32 holes
01/25/06	4162-4168'	4 JSPF	24 holes
01/25/06	4032-4044'	4 JSPF	48 holes
01/25/06	3678-3694'	4 JSPF	64 holes Squeezed

NEWFIELD

Jonah Federal 16-15-9-16
 512' FSL & 535' FEL
 SE/SE Section 15-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32754; Lease #UTU-17985

43-013-51678

NEWFIELD

GMBU Y-14-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Legal Location: NE/NE Section 22, T9S, R16E; 922' FNL & 944' FEL

Elevation: 5746' GL + 10' KB

API Number: 43-013-51678; Lease Number: UTU-74392

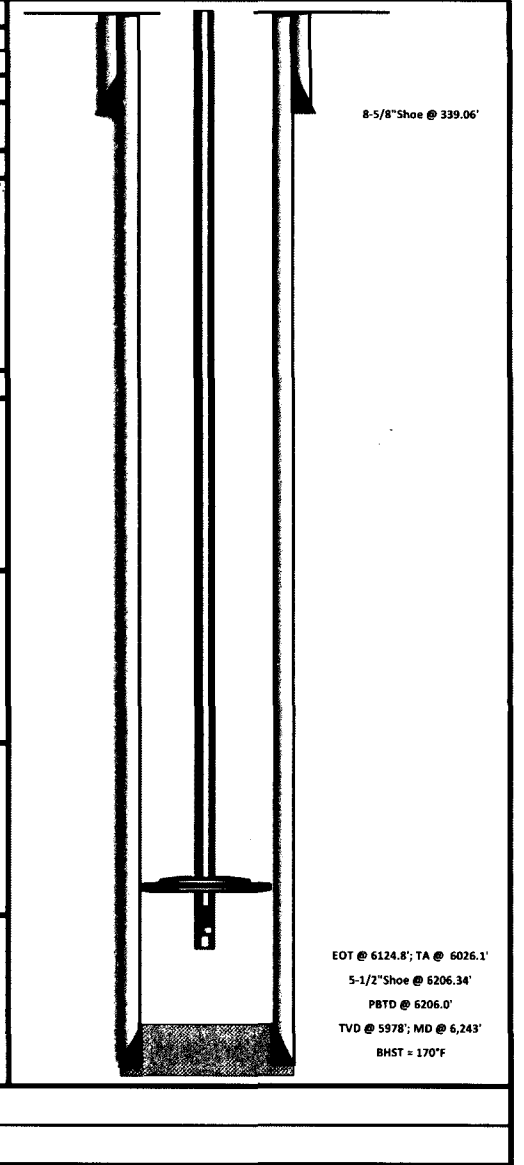
Paul Lembcke

PFM 1/21/14

Spud Date: 5/6/13

PoP Date: 6/10/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	339'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,206'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TAG DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	6,125'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	6,026'	
ROD DETAIL	Component	Top	Bottom	Size	Grade	Length	Count	Pump					
	Polish Rod	0'	30'	1 1/2"	C(API)	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 6050'					
	Pony Rod	30'	32'	7/8"	C(API)	2	1						
	Pony Rod	32'	36'	7/8"	C(API)	4	1						
	Pony Rod	36'	42'	7/8"	C(API)	6	1						
	Pony Rod	42'	50'	7/8"	C(API)	8	1						
	4per Guided Rod	50'	1,875'	7/8"	Tenaris D78	1825	73						
	4per Guided Rod	1,875'	5,300'	3/4"	Tenaris D78	3425	137						
	8per Guided Rod	5,300'	6,050'	7/8"	Tenaris D78	750	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	3	-	-	Formation:	GB6						
	0'	0'	3	-	-	20/40 White:	47,686 lbs	15% HCl:	0 gals				
	0'	0'	3	-	-	Pad:	4,145 gals	Treating Fluid:	9,501 gals				
	0'	0'	3	-	-	Flush:	4,360 gals	Load to Recover:	18,006 gals				
	0'	0'	3	-	-	ISIP=	1.108 psi/ft	Max STP:	3,117 psi				
	4,204'	4,210'	3	0.34	5/31/2013								
3	0'	0'	3	-	-	Formation:	D3	D1					
	0'	0'	3	-	-	20/40 White:	67,789 lbs	15% HCl:	504 gals				
	0'	0'	3	-	-	Pad:	2,600 gals	Treating Fluid:	15,487 gals				
	0'	0'	3	-	-	Flush:	4,805 gals	Load to Recover:	23,396 gals				
	4,744'	4,746'	3	0.34	5/31/2013	ISIP=	0.827 psi/ft	Max STP:	4,020 psi				
	4,839'	4,842'	3	0.34	5/31/2013								
4,844'	4,846'	3	0.34	5/31/2013									
2	0'	0'	3	-	-	Formation:	A3	A-Half	B2				
	0'	0'	3	-	-	20/40 White:	104,572 lbs	15% HCl:	504 gals				
	0'	0'	3	-	-	Pad:	4,696 gals	Treating Fluid:	23,590 gals				
	5,043'	5,045'	3	0.34	5/31/2013	Flush:	4,998 gals	Load to Recover:	33,788 gals				
	5,109'	5,112'	3	0.34	5/31/2013	ISIP=	0.838 psi/ft	Max STP:	3,267 psi				
	5,227'	5,230'	3	0.34	5/31/2013								
5,238'	5,240'	3	0.34	5/31/2013									
1	0'	0'	3	-	-	Formation:	CP5						
	0'	0'	3	-	-	20/40 White:	86,195 lbs	15% HCl:	756 gals				
	0'	0'	3	-	-	Pad:	5,418 gals	Treating Fluid:	19,907 gals				
	0'	0'	3	-	-	Flush:	5,951 gals	Load to Recover:	32,032 gals				
	5,968'	5,970'	3	0.34	5/29/2013	ISIP=	0.909 psi/ft	Max STP:	3,665 psi				
	5,999'	6,000'	3	0.34	5/29/2013								
6,042'	6,046'	3	0.34	5/29/2013									
CEMENT	Surf	On 5/7/13 Baker Hughes cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 4 bbls to the pit.											
	Prod	On 5/18/13 Baker pumped 265sks lead @ 11 ppg w/ 3.53 yield plus 475 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25 bbls to the pit. TOC @ 36'.											



8-5/8" Shoe @ 339.06'

EOT @ 6124.8'; TA @ 6026.1'
 5-1/2" Shoe @ 6206.34'
 PBTD @ 6206.0'
 TVD @ 5978'; MD @ 6,243'
 BHST = 170°F

43-013-51674

NEWFIELD

GMBU V-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Legal Location: NE/NE Section 22, T9S, R16E; 907' FNL & 959' FEL

Elevation: 5746' GL + 10' KB

API Number: 43-013-51674; Lease Number: UTU-74392

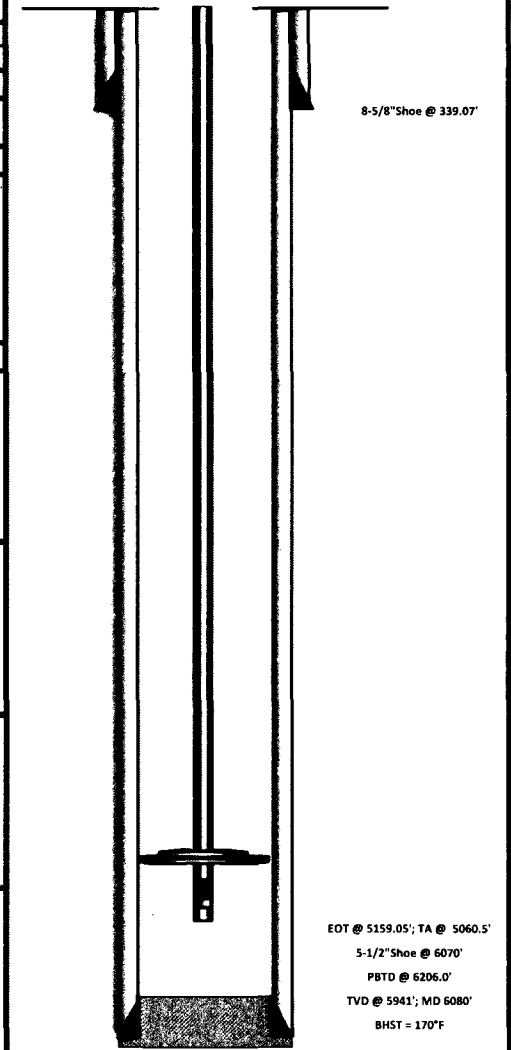
Paul Lembcke

PFM 1/22/2013

Spud Date: 5/3/13

PoP Date: 6/10/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	339'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,070'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
Tubing Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,159'	BEUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @	5,061'	
Rod Detail	Component	Top	Bottom	Size	Grade	Length	Count	Pump					
	Polish Rod	0'	30'	1 1/2"	C(API)	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5096' #NF2417					
	Pony Rod	30'	32'	7/8"	C(API)	2	1						
	Pony Rod	32'	38'	7/8"	C(API)	6	1						
	Pony Rod	38'	46'	7/8"	C(API)	8	1						
	4per Guided Rod	46'	1,621'	7/8"	Tenaris D78	1575	63						
	4per Guided Rod	1,621'	4,346'	3/4"	Tenaris D78	2725	109						
8per Guided Rod	4,346'	5,096'	7/8"	Tenaris D78	750	30							
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	3	-	-	Formation:	P88	GB6					
	0'	0'	3	-	-	20/40 White:	43,695 lbs	15% HCl:	0 gals				
	0'	0'	3	-	-	Pad:	2,470 gals	Treating Fluid:	10,609 gals				
	0'	0'	3	-	-	Flush:	4,154 gals	Load to Recover:	17,233 gals				
	4,137'	4,138'	3	0.34	5/29/2013	ISIP=	0.850 psi/ft	Max STP:	2,911 psi				
	4,293'	4,295'	3	0.34	5/29/2013								
3	0'	0'	3	-	-	Formation:	C-Sand						
	0'	0'	3	-	-	20/40 White:	34,145 lbs	15% HCl:	504 gals				
	0'	0'	3	-	-	Pad:	2,701 gals	Treating Fluid:	8,481 gals				
	0'	0'	3	-	-	Flush:	4,788 gals	Load to Recover:	16,474 gals				
	0'	0'	3	-	-	ISIP=	0.878 psi/ft	Max STP:	3,263 psi				
	4,784'	4,786'	3	0.34	5/29/2013								
2	0'	0'	3	-	-	Formation:	B2						
	0'	0'	3	-	-	20/40 White:	74,723 lbs	15% HCl:	588 gals				
	0'	0'	3	-	-	Pad:	3,595 gals	Treating Fluid:	19,404 gals				
	0'	0'	3	-	-	Flush:	4,931 gals	Load to Recover:	28,518 gals				
	4,918'	4,920'	3	0.34	5/29/2013	ISIP=	0.840 psi/ft	Max STP:	3,678 psi				
	4,928'	4,930'	3	0.34	5/29/2013								
1	0'	0'	3	-	-	Formation:	A1						
	0'	0'	3	-	-	20/40 White:	24,330 lbs	15% HCl:	756 gals				
	0'	0'	3	-	-	Pad:	4,893 gals	Treating Fluid:	6,623 gals				
	0'	0'	3	-	-	Flush:	1,768 gals	Load to Recover:	14,040 gals				
	0'	0'	3	-	-	ISIP=	0.826 psi/ft	Max STP:	3,625 psi				
	5,074'	5,080'	3	0.34	5/29/2013								
CEMENT	Surf	On 5/7/13 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 7 bbls to the pit.											
	Prod	On 5/12/13 Baker pumped 260 sks lead @ 11 ppg w/ 3.53 yield plus 475 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 33 bbls to the pit. TOC @44'.											



EOT @ 5159.05'; TA @ 5060.5'
 5-1/2" Shoe @ 6070'
 PBTD @ 6206.0'
 TVD @ 5941'; MD 6080'
 BHST = 170°F



Well Name: GMBU G-23-9-16

43-013-51681

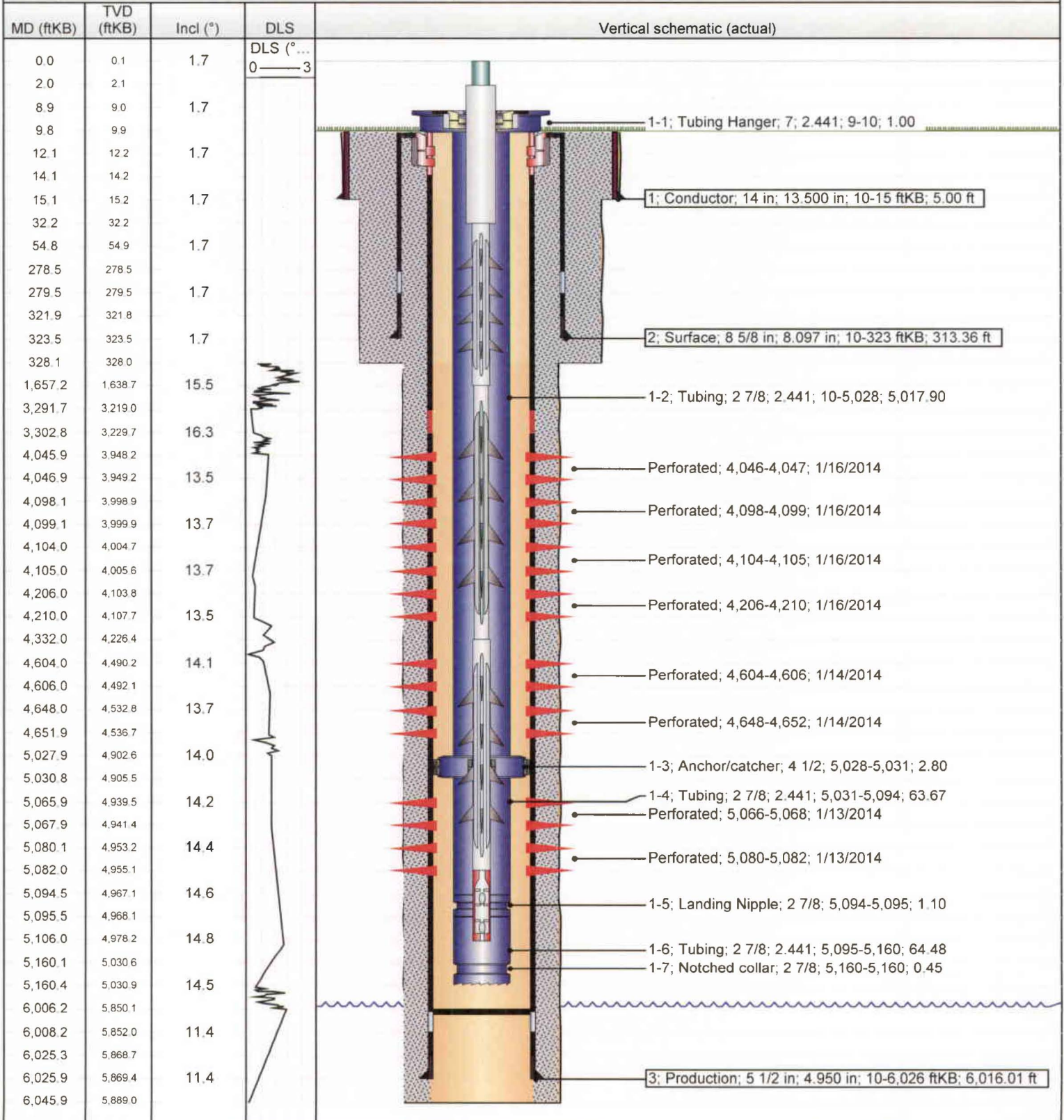
Surface Legal Location NWNW 527 FWL Sec 23 T9S R16E Mer SLB		API/UWI 43013516810000	Well RC 500334455	Lease UTU15855	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/14/2013	Rig Release Date 12/31/2013	On Production Date 1/24/2014	Original KB Elevation (ft) 5,728	Ground Elevation (ft) 5,718	Total Depth All (TVD) (ftKB) Original Hole - 5,889.0	PBTD (All) (ftKB) Original Hole - 6,006.3	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/13/2014	Job End Date 1/21/2014
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TD: 6,046.0

Slant - Original Hole, 4/15/2014 11:23:06 AM



43-013-51676

Well Name: GMBU X-14-9-16

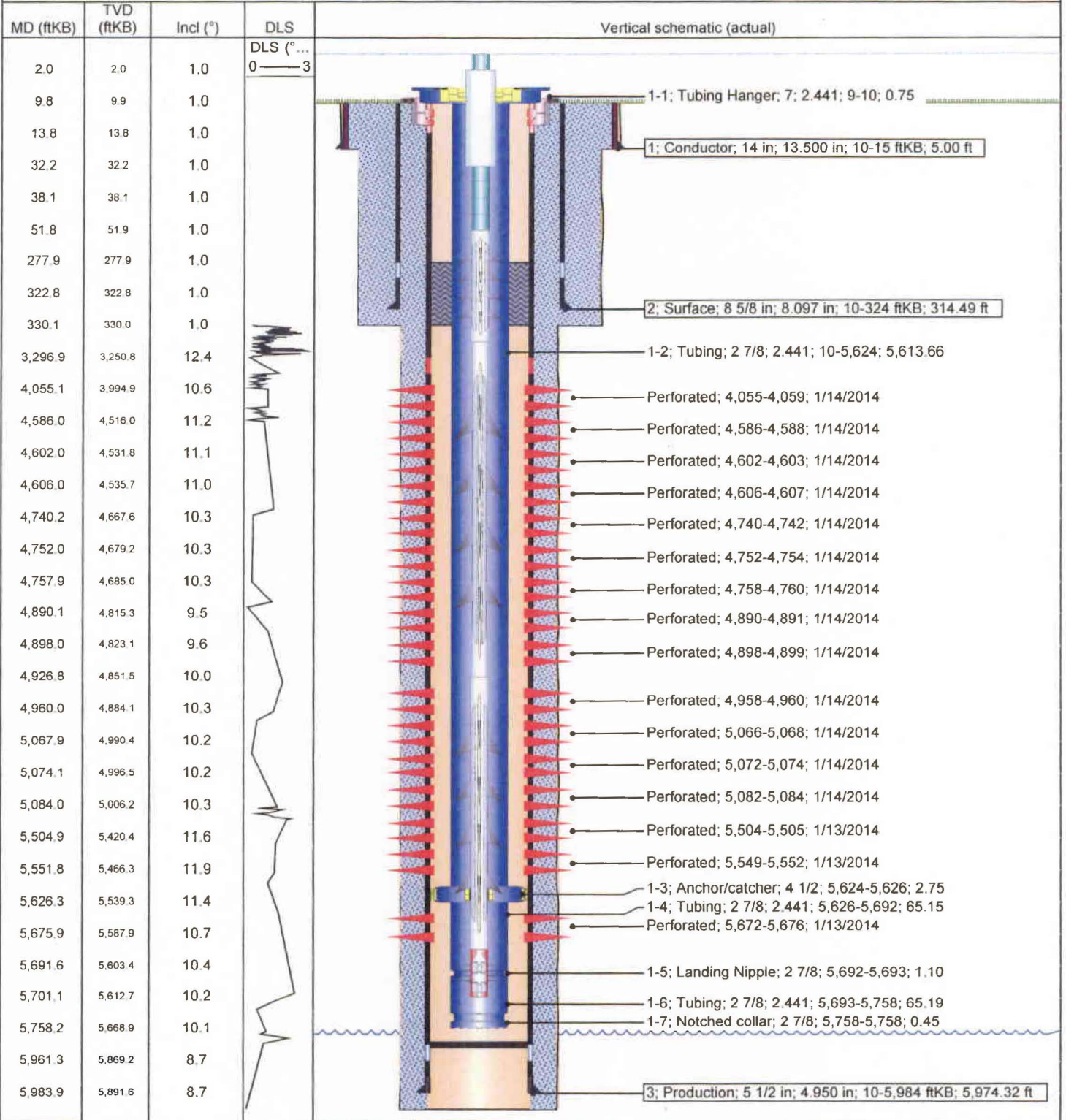
Surface Legal Location NWNW 518 FNL 707 FWL Sec 23 T9S R16E Mer SLB				API/UWI 43013516760000	Well RC 500346788	Lease UTU15855	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/13/2013	Rig Release Date 12/28/2013	On Production Date 1/24/2014	Original KB Elevation (ft) 5,728	Ground Elevation (ft) 5,718	Total Depth All (TVD) (ftKB) Original Hole - 5,901.5	PBDT (All) (ftKB) Original Hole - 5,959.6			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/13/2014	Job End Date 1/24/2014
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TD: 5,994.0

Slant - Original Hole, 4/7/2014 11:33:43 AM



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Pete Prodromides**

Well Name: **FEDERAL 8-22-9-16**

Lab Tech: **Gary Winegar**

Sample Point:

Sample Date: **1/24/2014**

Sample ID: **WA-264551**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/24/2014	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120	Sodium (Na):	7944.00	Chloride (Cl):	16000.00
System Pressure 1 (psig):	60	Potassium (K):	40.00	Sulfate (SO4):	23.00
System Temperature 2 (°F):	210	Magnesium (Mg):	7.80	Bicarbonate (HCO3):	1464.00
System Pressure 2 (psig):	60	Calcium (Ca):	10.40	Carbonate (CO3):	
Calculated Density (g/ml):	1.014	Strontium (Sr):	8.50	Acetic Acid (CH3COO)	
pH:	9.50	Barium (Ba):	14.80	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	25519.12	Iron (Fe):	6.00	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.07	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	20.00	Manganese (Mn):	0.55	Silica (SiO2):	

Notes:

AI=0.01

B=8.3

LI=1.7

(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	1.74	8.93	0.20	2.48	4.61	3.31	3.37	4.36	0.00	0.00	0.00	0.00	0.00	0.00	9.48	0.04
200.00	60.00	1.71	8.92	0.22	2.68	4.62	3.31	3.34	4.36	0.00	0.00	0.00	0.00	0.00	0.00	9.59	0.04
190.00	60.00	1.67	8.90	0.24	2.91	4.64	3.31	3.31	4.36	0.00	0.00	0.00	0.00	0.00	0.00	9.70	0.04
180.00	60.00	1.64	8.89	0.27	3.17	4.65	3.31	3.27	4.36	0.00	0.00	0.00	0.00	0.00	0.00	9.81	0.04
170.00	60.00	1.60	8.87	0.30	3.45	4.67	3.31	3.24	4.36	0.00	0.00	0.00	0.00	0.00	0.00	9.94	0.04
160.00	60.00	1.57	8.85	0.34	3.77	4.70	3.31	3.20	4.36	0.00	0.00	0.00	0.00	0.00	0.00	10.07	0.04
150.00	60.00	1.54	8.83	0.38	4.11	4.73	3.31	3.16	4.36	0.00	0.00	0.00	0.00	0.00	0.00	10.20	0.04
140.00	60.00	1.51	8.82	0.42	4.48	4.77	3.31	3.11	4.36	0.00	0.00	0.00	0.00	0.00	0.00	10.34	0.04
130.00	60.00	1.48	8.79	0.47	4.86	4.81	3.31	3.07	4.36	0.00	0.00	0.00	0.00	0.00	0.00	10.49	0.04
120.00	60.00	1.46	8.78	0.53	5.25	4.86	3.31	3.02	4.36	0.00	0.00	0.00	0.00	0.00	0.00	10.65	0.04

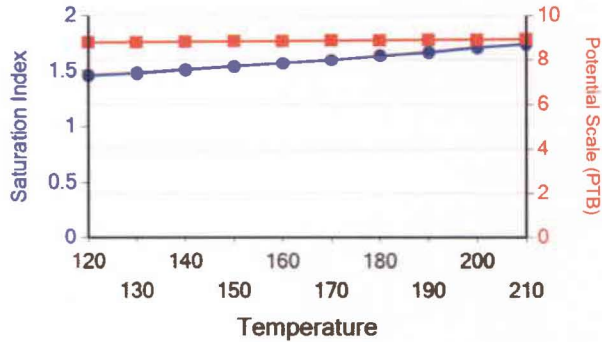
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.05	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	1.44	0.05	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	1.37	0.05	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	1.30	0.05	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	1.23	0.05	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	1.14	0.04	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	1.05	0.04	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	0.96	0.04	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	0.85	0.04	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	0.74	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

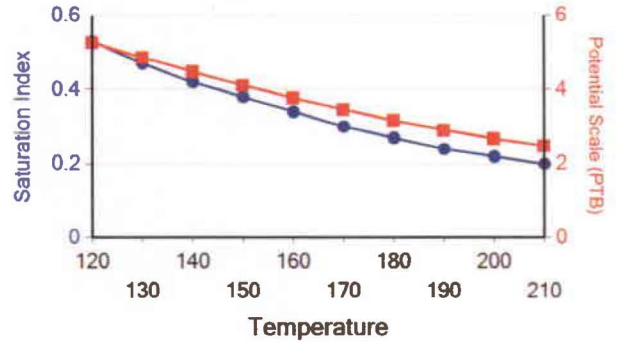
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate

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

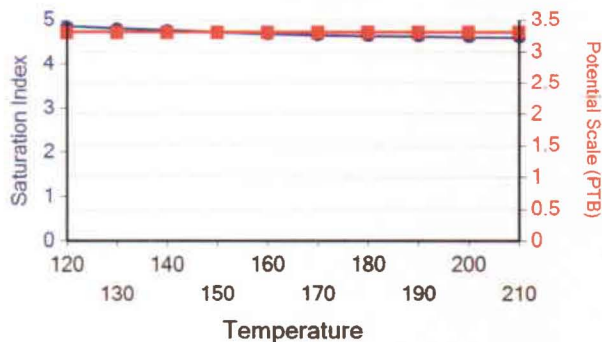
Calcium Carbonate



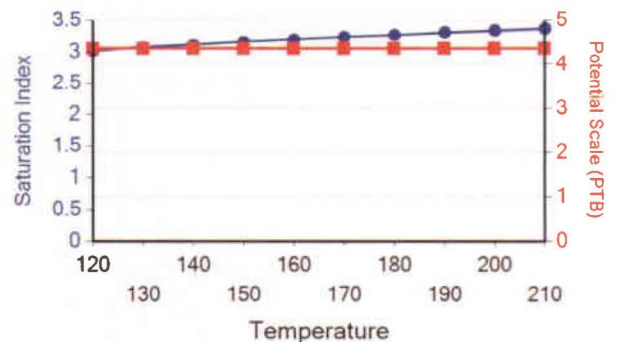
Barium Sulfate



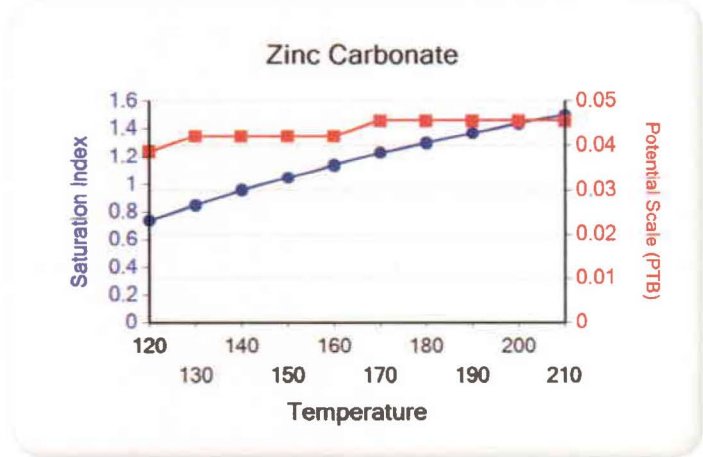
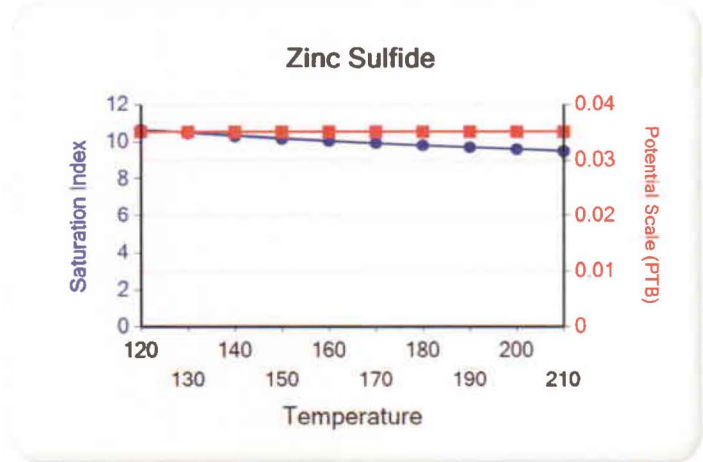
Iron Sulfide



Iron Carbonate



Water Analysis Report



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **WELLS DRAW INJ FACILITY**
 Sample Point: **Commingled After Filter**
 Sample Date: **11/18/2013**
 Sample ID: **WA-259493**

Sales Rep: **Jacob Bird**
 Lab Tech: **Gary Winegar**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
Test Date:	11/26/2013	Sodium (Na):	141.00	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120	Potassium (K):	39.00	Sulfate (SO ₄):	41.00
System Pressure 1 (psig):	2000	Magnesium (Mg):	24.00	Bicarbonate (HCO ₃):	1122.00
System Temperature 2 (°F):	210	Calcium (Ca):	41.00	Carbonate (CO ₃):	
System Pressure 2 (psig):	2000	Strontium (Sr):	0.70	Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.00	Propionic Acid (C ₂ H ₅ COO)	
pH:	6.50	Iron (Fe):	0.11	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	2413.76	Zinc (Zn):	0.03	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO ₂ (mg/L):	24.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.00	Silica (SiO ₂):	4.92
H ₂ S in Water (mg/L):	0.00				

Notes:

B=4 AI=.18 LI=0

(PTB = Pounds per Thousand Barrels)

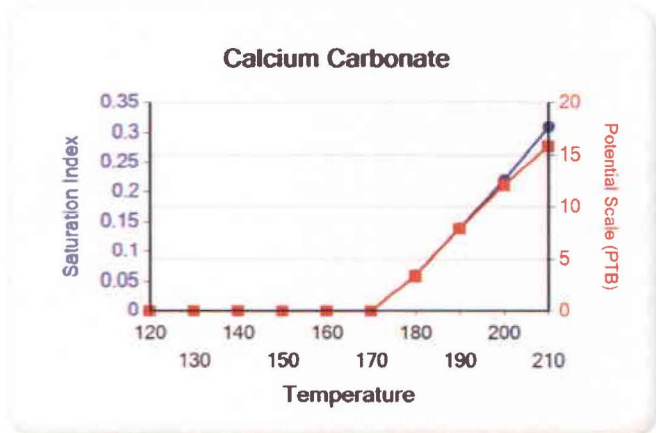
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	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	2000.00	0.14	7.94	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	2000.00	0.06	3.37	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ · 0.5H ₂ O		Anhydrate CaSO ₄		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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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

These scales have positive scaling potential under final temperature and pressure:



Attachment "G"

**Federal #8-22-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5530	5550	5540	1960	0.79	1924
4914	4926	4920	2190	0.88	2158
4742	4751	4747	1950	0.84	1919 ←
				Minimum	<u><u>1919</u></u>

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 Report Date: 6-Dec-06 Day: 1
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5851' Csg PBTD: 5789' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP4 sds	5530-5550'	4/80			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 5-Dec-06 SITP: SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5789' & cement top @ 60' Perforate stage #1, CP4 sds @ 5530- 50' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 80 shots. 139 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 139 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

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

Completion Supervisor: Orson Barney

DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 **Report Date:** 9-Dec-06 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5851' **Csg PBTD:** 5789' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>CP4 sds</u>	<u>5530-5550'</u>	<u>4/80</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8-Dec-06 **SITP:** _____ **SICP:** 0

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac CP4 sds, stage #1 down casing w/ 30,245#'s of 20/40 sand in 381 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2142 psi. Treated @ ave pressure of 2020 w/ ave rate of 25 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIF was 1960. 520 bbls EWTR. Leave pressure on well. **See day2b.**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 139 **Starting oil rec to date:** _____
Fluid lost/recovered today: 381 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 520 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services

Procedure or Equipment detail: CP4 sds down casing
546 gals to cross linker
2436 gals of pad
2319 gals w/ 1-4 ppg of 20/40 sand
5199 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4998 gals of slick water

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

Max TP: 2176 **Max Rate:** 25 **Total fluid pmpd:** 381 bbls
Avg TP: 2020 **Avg Rate:** 25 **Total Prop pmpd:** 30,245#'s
ISIP: 1960 **5 min:** _____ **10 min:** _____ **FG:** .79
Completion Supervisor: Ron Shuck **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 **Report Date:** 9-Dec-06 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5851' **Csg PBTD:** 5789' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5030'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>A1 sds</u>	<u>4914-4926'</u>	<u>4/48</u>			
<u>CP4 sds</u>	<u>5530-5550'</u>	<u>4/80</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8-Dec-06 **SITP:** _____ **SICP:** 1500

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 12' per gun. Set plug @ 5030'. Perforate A1 sds @ 4914-26' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 spf for total of 48 shots. RU BJ stage #2 w/ 70,951#'s of 20/40 sand in 533 bbls of Lightning 17 frac fluid. Open well w/ 1500 psi or casing. Perfs broke down @ 2763 psi. Treated @ ave pressure of 1762 w/ ave rate of 25 bpm w/ 8 ppg of sand. Spd 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2190. 1053 bbls EWTR. Leave pressure on well. See day2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 520 **Starting oil rec to date:** _____
Fluid lost/recovered today: 533 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1053 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: A1 sds down casing

- 5418 gals of pad
- 3625 gals w/ 1-5 ppg of 20/40 sand
- 7250 gals w/ 5-8 ppg of 20/40 sand
- 1137 gals w/ 8 ppg of 20/40 sand
- 504 gals of 15% HCL acid
- Flush w/ 4452 gals of slick water

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

Max TP: 2763 **Max Rate:** 25 **Total fluid pmpd:** 533 bbls
Avg TP: 1762 **Avg Rate:** 25 **Total Prop pmpd:** 70,951#'s
ISIP: 2190 **5 min:** _____ **10 min:** _____ **FG:** .88

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 **Report Date:** 9-Dec-06 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5851' **Csg PBTD:** 5789' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4855'
Plug 5030'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>B2 sds</u>	<u>4742-4751'</u>	<u>4/36</u>	_____	_____	_____
<u>A1 sds</u>	<u>4914-4926'</u>	<u>4/48</u>	_____	_____	_____
<u>CP4 sds</u>	<u>5530-5550'</u>	<u>4/80</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8-Dec-06 **SITP:** _____ **SICP:** 1442

Day2c.

RU WLT. RIH w/ frac plug & 9' perf gun. Set plug @ 4855'. Perforate B2 sds @ 4742-51' w/ 4 spf for total of 36 shots. RU BJ stage #3 w/ 29,729#'s of 20/40 sand in 414 bbls of Lightning 17 frac fluid. Open well w/ 1442 psi or casing. Perfs broke down @ 4200 psi. Treated @ ave pressure of 2490 w/ ave rate of 25 bpm w/ 6.5 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1950. 1467 bbls EWTR. Leave pressure on well. See day2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1053 **Starting oil rec to date:** _____
Fluid lost/recovered today: 414 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1467 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: B2 sds down casing
2100 gals to cross linker
2982 gals of pad
2319 gals w/ 1-4 ppg of 20/40 sand
5241 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4242 gals of slick water

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

Max TP: 4200 **Max Rate:** 25 **Total fluid pmpd:** 414 bbls
Avg TP: 2490 **Avg Rate:** 25 **Total Prop pmpd:** 29,729#'s
ISIP: 1950 **5 min:** _____ **10 min:** _____ **FG:** .84

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 Report Date: 9-Dec-06 Day: 2d
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5851' Csg PBTD: 5789' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4690'
Plug 5030' 4855'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4577-4585'	4/32			
B2 sds	4742-4751'	4/36			
A1 sds	4914-4926'	4/48			
CP4 sds	5530-5550'	4/80			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8-Dec-06 SITP: SICP: 1442

Day2d.

RU WLT. RIH w/ frac plug & 8' perf gun. Set plug @ 4690'. Perforate C sds @ 4577-85' w/ 4 spf for total of 32 shots RU BJ stage #4 w/ 26,560#'s of 20/40 sand in 342 bbls of Lightning 17 frac fluid. Open well w/ 1605 psi on casing Perfs broke down @ 3720 psi. Treated @ ave pressure of 2804 w/ ave rate of 25 bpm w/ 6.5 ppg of sand. Screenec out frac w/ 18,577#'s in perfs, 7983#'s in casing w/ 6 ppg on perfs w/ 50 bbls left in flush. 1809 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 200 bbls rec'd. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1809 Starting oil rec to date:
Fluid lost/recovered today: 200 Oil lost/recovered today:
Ending fluid to be recovered: 1609 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac
Company: BJ Services
Procedure or Equipment detail: C sds down casing

2982 gals of pad

2319 gals w/ 1-4 ppg of 20/40 sand

6711 gals w/ 4-6.5 ppg of 20/40 sand

Flush w/ 4242 gals of slick water

Max TP: 4200 Max Rate: 25 Total fluid pmpd: 342 bbls

Avg TP: 2804 Avg Rate: 25 Total Prop pmpd: 26,560#'s

ISIP: 4200 5 min: 10 min: FG: NA

Completion Supervisor: Ron Shuck

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 Report Date: Dec. 12, 2006 Day: 03
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5851' Csg PBTD: 5789' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4704' BP/Sand PBTD:
Plug 5030' 4855'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4577-4585'	4/32			
B2 sds	4742-4751'	4/36			
A1 sds	4914-4926'	4/48			
CP4 sds	5530-5550'	4/80			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 11, 2006 SITP: SICP: 60

MIRU Western #4. Thaw wellhead & BOP W/ HO trk. Bleed pressure off well. Rec est 5 BTF. ND Cameron BOP 8 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ new Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4538'. Tbg displaced 11 BW. RL power swivel. C/O sd to composite bridge plug @ 4690'. Drill out plug in 28 minutes. Circ hole clean W/ no fluid loss Hang back swivel. SIFN W/ EOT @ 4704'. Est 1593 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1609 Starting oil rec to date:
Fluid lost/recovered today: 16 Oil lost/recovered today:
Ending fluid to be recovered: 1593 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

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



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 Report Date: Dec. 13, 2006 Day: 04
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5851' Csg PBDT: 5829'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5778' BP/Sand PBDT: 5829'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include C sds, B2 sds, A1 sds, CP4 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 12, 2006 SITP: 0 SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO trk. No pressure on well. Con't PU & TIH W/ bit & tbg f/ 4704'. Tag fill @ 4844'. PU swivel. Con't C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4844', plug @ 4855' in 17 minutes; sd @ 4910', plug @ 5030' in 17 minutes. Hang back swivel & con't PU tbg. Tag fil @ 5668'. PU swivel. Drill plug remains & sd to PBDT @ 5829'. Circ hole clean W/ no fluid loss. RD swivel & pull EOT to 5778'. RU swab equipment. IFL @ sfc. Made 13 swb runs rec 143 BTF W/ light gas, tr oil & no sd. FFL @ 2100' SIFN W/ est 1450 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1593 Starting oil rec to date:
Fluid lost/recovered today: 143 Oil lost/recovered today:
Ending fluid to be recovered: 1450 Cum oil recovered:
IFL: sfc FFL: 2100' FTP: Choke: Final Fluid Rate: Final oil cut: tr

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

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



DAILY COMPLETION REPORT

WELL NAME: Federal 8-22-9-16 **Report Date:** Dec. 14, 2006 **Day:** 05
Operation: Completion **Rig:** Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5851' **Csg PBTD:** 5829'
Tbg: **Size:** 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Anchor @:** 5530' **BP/Sand PBTD:** 5829'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>C sds</u>	<u>4577-4585'</u>	<u>4/32</u>	_____	_____	_____
<u>B2 sds</u>	<u>4742-4751'</u>	<u>4/36</u>	_____	_____	_____
<u>A1 sds</u>	<u>4914-4926'</u>	<u>4/48</u>	_____	_____	_____
<u>CP4 sds</u>	<u>5530-5550'</u>	<u>4/80</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 13, 2006 **SITP:** 150 **SICP:** 125

Thaw wellhead, BOP & tbg stump W/ HO trk. Bleed gas off well. TIH W/ tbg. Tag sd @ 5814' (15' new fill). C/O sd to PBTD @ 5829'. Circ hole clean. Lost est 45 BW & rec tr oil. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg new CDI 5 1/2" TA (45K) & 175 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5530' W/ SN @ 5564' & EOT @ 5629'. Land tbg W/ 15,000# tension. NU wellhead. PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14' RHAC pump, 6-1 1/2" weight rods, 10 3/4" scraped rods, 106-3/4" plain rods, 100-3/4" scraped rods, 2-4' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMSU. Est 1495 BWTR. Place well on production @ 5:00 PM 12/13/2006 W/ 65" SL @ 5 SPM.

FINAL REPORT!!

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1450 **Starting oil rec to date:** _____
Fluid lost/recovered today: 45 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1495 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

TUBING DETAIL

ROD DETAIL

COSTS

TUBING DETAIL	ROD DETAIL	COSTS
<u>KB 12.00'</u>	<u>1 1/2" X 22' polished rod</u>	_____
<u>175 2 7/8 J-55 tbg (5517.93')</u>	<u>2-4' X 3/4" pony rods</u>	_____
<u>TA (2.80' @ 5529.93' KB)</u>	<u>100-3/4" scraped rods</u>	_____
<u>1 2 7/8 J-55 tbg (31.70')</u>	<u>106-3/4" plain rods</u>	_____
<u>SN (1.10' @ 5564.43' KB)</u>	<u>10-3/4" scraped rods</u>	_____
<u>2 2 7/8 J-55 tbg (63.05')</u>	<u>6-1 1/2" weight rods</u>	_____
<u>2 7/8 NC (.45')</u>	<u>CDI 2 1/2" X 1 1/2" X 14'</u>	_____
<u>EOT 5629.03' W/ 12' KB</u>	<u>RHAC pump W/ SM plunger</u>	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

DAILY COST: _____ \$0

Completion Supervisor: Gary Dietz

TOTAL WELL COST: _____ \$0

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4527'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 182' balance plug using 22 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 373'

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

Federal 8-22-9-16

Spud Date: 11/01/06
 Put on Production: 12/13/06
 K.B.: 5791, G.L.: 5779

Initial Production: BOPD,
 MCFD, BWPD

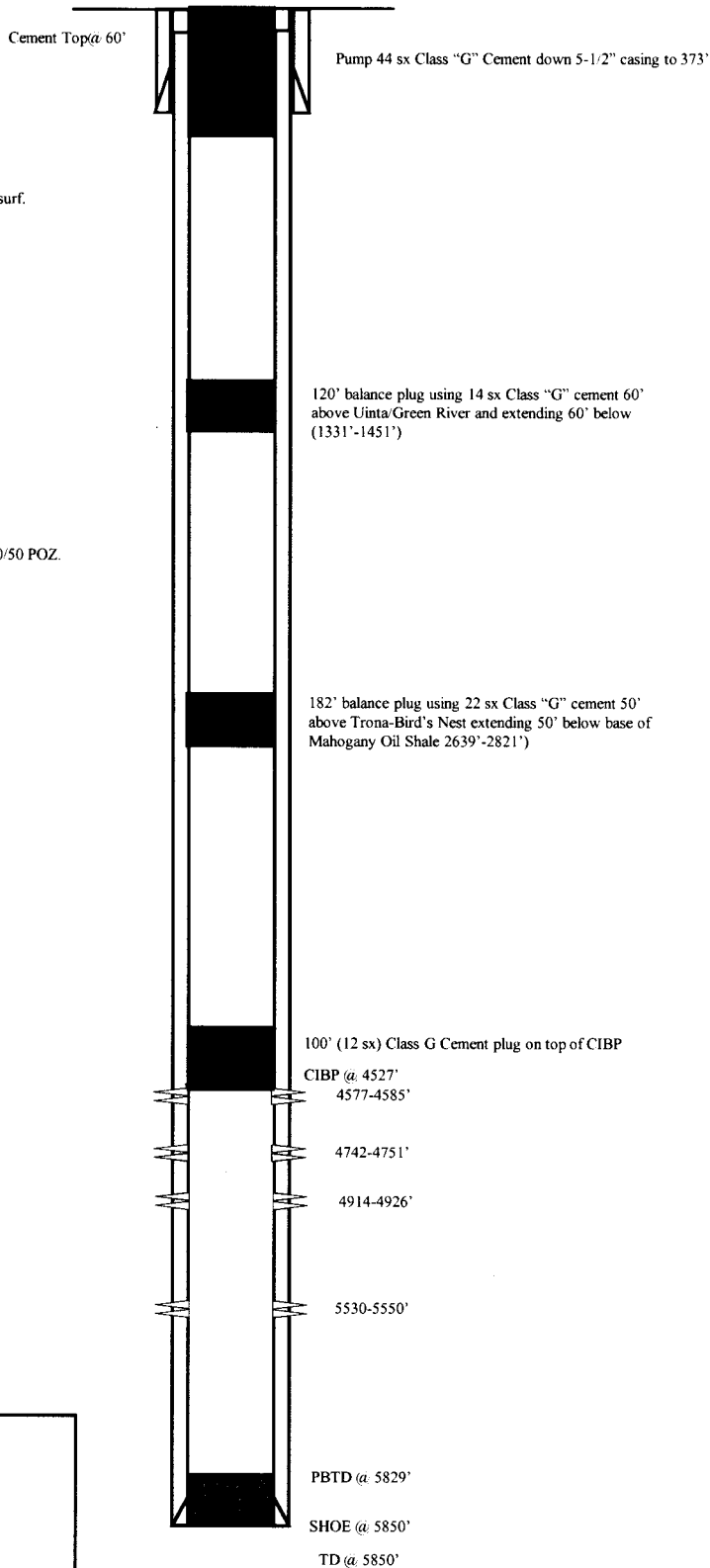
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.68')
 DEPTH LANDED: 322.53' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts. (5837.43')
 DEPTH LANDED: 5850.68' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 322 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 60'



NEWFIELD

Federal 8-22-9-16

2200' FNL & 618' FEL
 SE/NE Section 22-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32959; Lease #UTU-64379

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: Federal 8-22-9-16	
2. NAME OF OPERATOR: Newfield Production Company	9. API NUMBER: 43013329590000	
3. ADDRESS OF OPERATOR: 4 Waterway Square Place, Suite 100 , The Woodlands, TX, 77380	PHONE NUMBER: 435-646-4802	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2200 FNL 618 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 22 Township: 9S Range: 16E Meridian: S	COUNTY: DUCHESNE	
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> 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"/> SUBSEQUENT REPORT Date of Work Completion: 5/30/2019	<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"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 05/28/2019 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 05/30/2019 the casing was pressured up to 1014 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1812 psig during the test. There was a State representative available to witness the test - Mark Reinbold.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 20, 2019
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Field Production Assistant
SIGNATURE N/A		DATE 6/4/2019

Casing or Annulus Pressure Mechanical Integrity Test

Newfield Production Company

Rt 3 Box 3630

Myton, UT 84052

435.646.3721

UDOGM Witness: MARK Reinbold Date: 5-30-19 Time: 11:26 (am) pm

Test Conducted By: EVERETT UNRUH

Others Present: _____

Well Name: <u>Federal 8-22-9-16</u>			
Field: <u>MONUMENT BUTTE</u>	County: <u>Duchesne</u>	State: <u>UT</u>	
Location: <u>SENE</u> Sec: <u>22</u>	T <u>9</u>	N/S <u>16</u>	R <u>16</u> (E/W)
Operator: <u>Newfield</u>		API # <u>43-013-32959</u>	
Last MIT: <u>7/3/2014</u>		Maximum Allowable Pressure: <u>1919</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: 83 bpd

Pre-test casing / tubing annulus pressure: 1813 psig

MIT DATA TABLE	Test #1	Test #2
TUBING PRESSURE		
Initial Pressure	1813 psig	psig
End of test pressure	1812 psig	psig
CASING / TUBING ANNULUS PRESSURE		
0 minutes	1017.8 psig	psig
5 minutes	1016.2 psig	psig
10 minutes	1014.6 psig	psig
15 minutes	1013.8 psig	psig
20 minutes	psig	psig
25 minutes	psig	psig
30 minutes	psig	psig
_____ minutes	psig	psig
_____ minutes	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass { } Fail	<input type="checkbox"/> Pass { } Fail

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

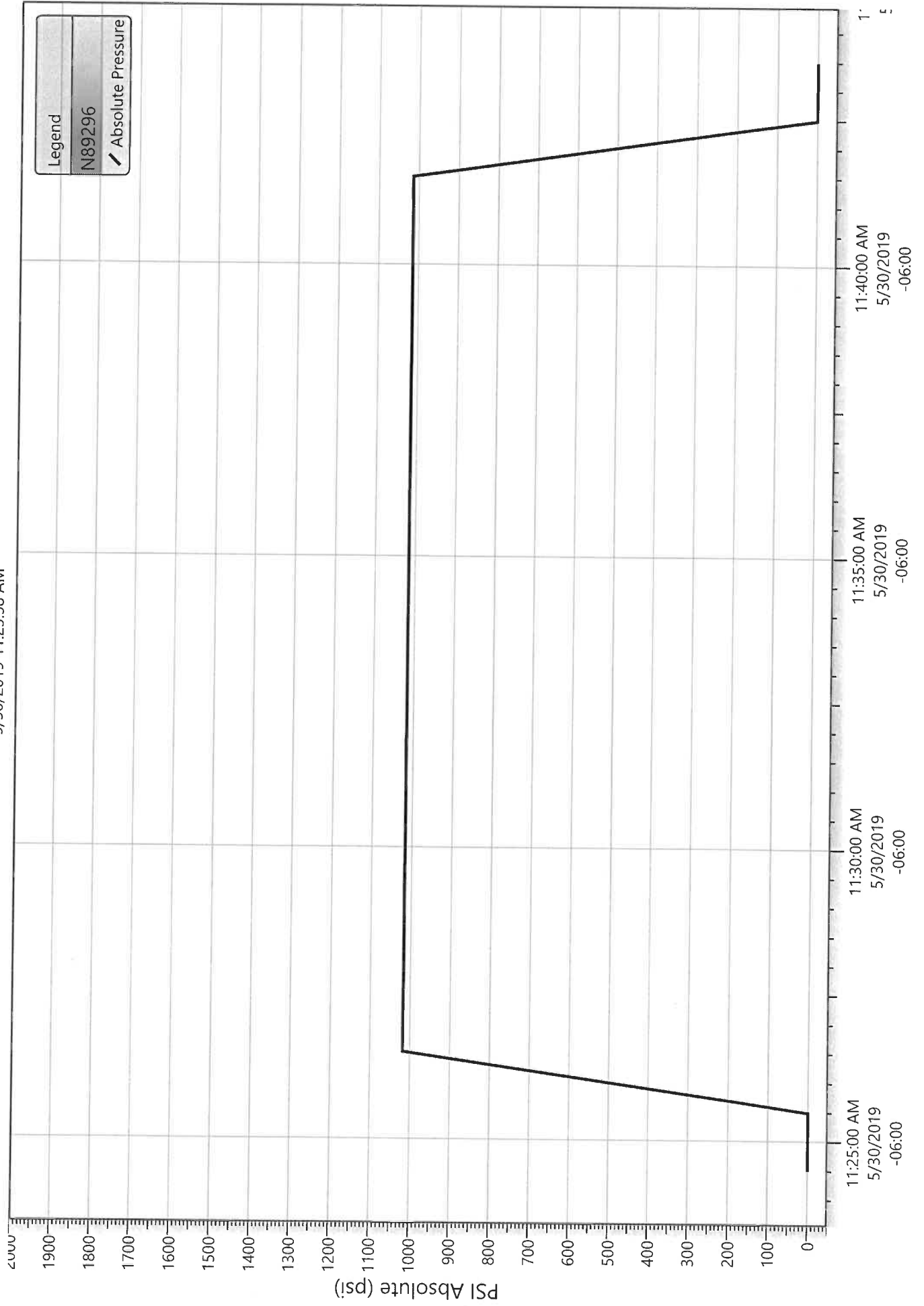
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Mark Reinbold

Signature of Person Conducting Test: Everett Unruh

Federal 8-22-9-16 (5/30/2019, 5 yr. MIT)

5/30/2019 11:23:58 AM



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

Effective Date: 1/24/2020

FORMER OPERATOR: Newfield Production Company	NEW OPERATOR: Ovintiv Production, Inc.
Groups: Greater Monument Butte	

WELL INFORMATION:

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

Total Well Count: 4704

OPERATOR CHANGES DOCUMENTATION:

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

REVIEW:

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

Surface Facility(s) included in operator change:

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

NEW OPERATOR BOND VERIFICATION:

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

DATA ENTRY:

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

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

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

Entities Updated in RBDMS on:

COMMENTS:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
see attached list

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
see attached

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
attached

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

PHONE NUMBER:
(435) 646-4936

10. FIELD AND POOL, OR WILDCAT:
attached

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

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

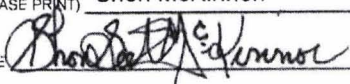
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER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

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

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

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

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

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

(This space for State use only)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached list
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: see attached
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: Newfield Production Company		8. WELL NAME and NUMBER: see attached
3. ADDRESS OF OPERATOR: 4 Waterway Square Place CITY: The Woodlands STATE: TX ZIP: 77380		9. API NUMBER: attached
4. LOCATION OF WELL		10. FIELD AND POOL, OR WILDCAT: attached
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"/> 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 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: 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

FORMER OPERATOR: Ovintiv Production, Inc.	NEW OPERATOR: Ovintiv USA, Inc.
Groups: Greater Monument Butte	

WELL INFORMATION:

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

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

OPERATOR CHANGES DOCUMENTATION:

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

REVIEW:

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

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

NEW OPERATOR BOND VERIFICATION:

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

DATA ENTRY:

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

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

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

Entities Updated in RBDMS on: 11/24/2021

COMMENTS:

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

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

2. NAME OF OPERATOR:
Ovintiv Production, Inc.

9. API NUMBER:

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

PHONE NUMBER:
(281) 210-5100

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

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

STATE:

UTAH

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

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

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

This sundry is 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 :
QQ, Section, Township, Range:	State : UTAH
	Lease Designation and Number See Attached

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

FORMER OPERATOR:	NEW OPERATOR:
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:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached Exhibit A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None - N/A
		7. UNIT or CA AGREEMENT NAME: Greater Monument Butte Unit
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: See attached Exhibit A	
2. NAME OF OPERATOR: Scout Energy Management, LLC	9. API NUMBER: Attached	
3. ADDRESS OF OPERATOR: 13800 Montfort Road, Suite 1 <small>CITY</small> Dallas <small>STATE</small> TX <small>ZIP</small> 75240	PHONE NUMBER: (972) 325-1096	10. FIELD AND POOL, OR WILDCAT: See attached Exhibit A
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached Exhibit A		COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: UTAH

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

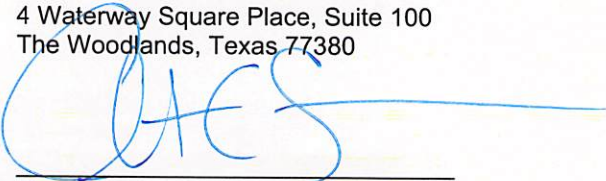
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>9/1/2022</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/>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


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

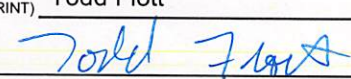
Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:
Ovintiv USA Inc.
4 Waterway Square Place, Suite 100
The Woodlands, Texas 77380

NEW OPERATOR:
Scout Energy Management, LLC
13800 Montfort Road, Suite 100
Dallas, TX 75240


Signature - Christian C. Sizemore
Director, Rockies and Land Innovation
State/Fee Bond #105189977
BLM Bond #105073466


Signature - Todd Flott
Managing Director
State/Fee Bond #612402460 / #61242461
BLM Bond #612402462

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

(This space for State use only)

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



TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 9/1/2022

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

EPA approval required

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379																														
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 TRIBAL, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: Greater Monument Butte																														
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: Federal 8-22-9-16																															
2. NAME OF OPERATOR: Scout Energy Management, LLC	9. API NUMBER: 43013329590000																															
3. ADDRESS OF OPERATOR: 13800 Montfort Drive, Suite 100 , Dallas , TX, 75240	PHONE NUMBER: 972-277-1397	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2200 FNL 618 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 22 Township: 9S Range: 16E Meridian: S	COUNTY: DUCHESNE STATE: UTAH																															
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION	TYPE OF ACTION																															
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/20/2024 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input checked="" type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text" value="MIT"/></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 type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input 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"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text" value="MIT"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. A 5 YR MIT was performed on the above listed well. On 3/20/24 the casing was pressured up to 1177 PSIG and charted for 20 minutes with no pressure loss. The tubing was 1889 PSIG during the test. State representative, Adam Miller, was present to witness the test.																																
<p style="margin: 0;">Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY (This is not an approval) April 17, 2024</p>																																
NAME (PLEASE PRINT) Danene Harvey	PHONE NUMBER 972-325-1114	TITLE Sr. Regulatory Analyst																														
SIGNATURE N/A	DATE 3/21/2024																															

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

Scout EP

1820 W Highway 40
Roosevelt, UT 84066
435.352.6282

Witness: Adam Miller Date: 3/20/24 Time: 10:45 pm
 Test Conducted By: Summit Bank
 Others Present: _____ 43-013-32959

Well Name: <u>Federal 8-22-9-16</u>		County: <u>Duchesne</u>		State: <u>UT</u>	
Field: <u>Greater Monument Butte</u>		Location: <u>8</u> Sec: <u>22</u> T: <u>9</u> N: <u>0</u> R: <u>16</u> W: <u>0</u>			
Operator: <u>Scout EP</u>		Maximum Allowable Pressure: <u>1919</u> psig			
Last MI: <u>/ /</u>					

Is this a regular 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: 77 bpd

Pre-test casing / tubing annulus pressure: 0 / 1889 psig

MIT DATA TABLE		Test #1	Test #2
TUBING PRESSURE			
Initial Pressure	<u>1889</u>	psig	psig
End of test pressure	<u>1888</u>	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1127</u>	psig	psig
5 minutes	<u>1125</u>	psig	psig
10 minutes	<u>1123</u>	psig	psig
15 minutes	<u>1123</u>	psig	psig
20 minutes	<u>1122</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

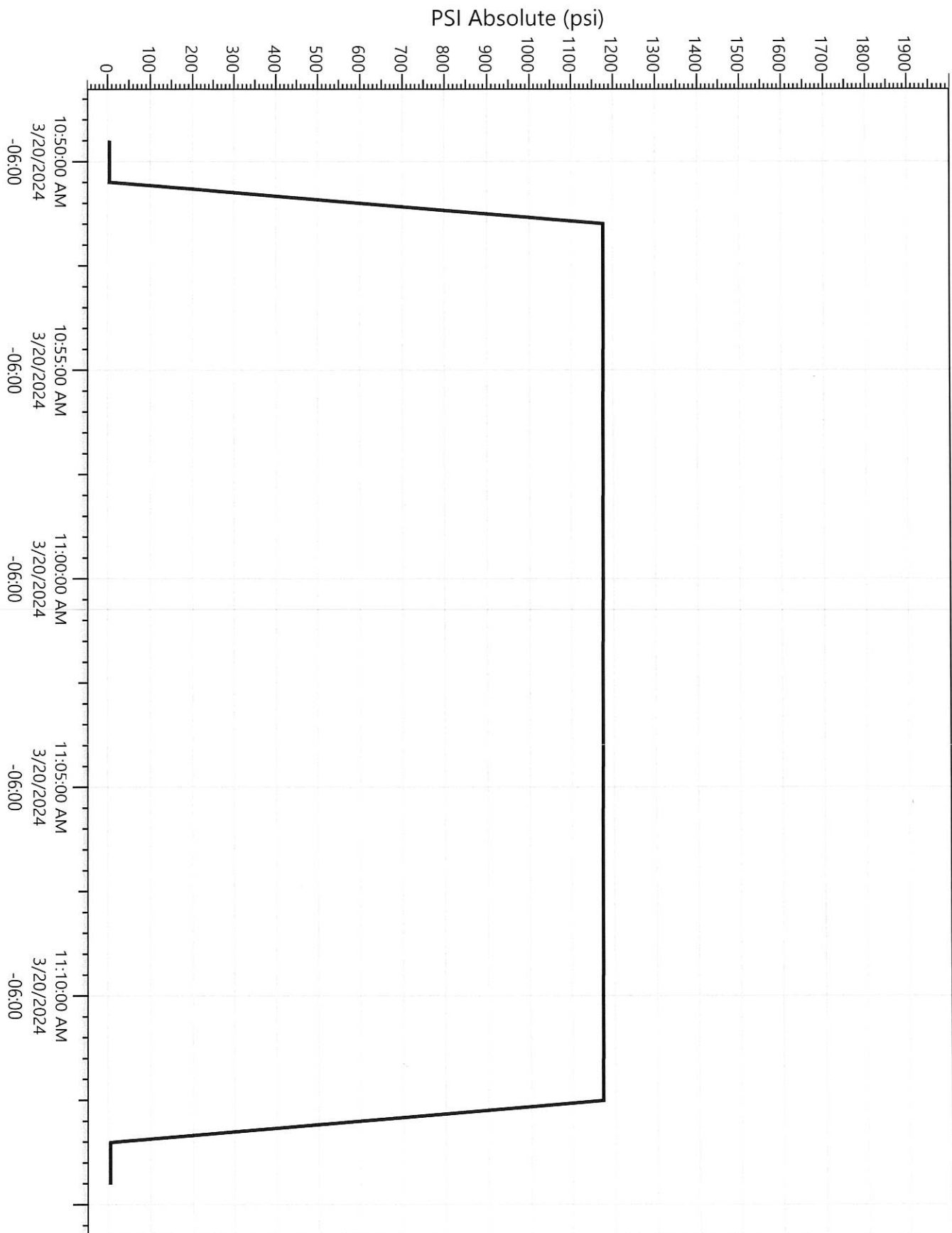
Does the annulus pressure build back up after test? { } Yes { } No

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: Adam Miller

Signature of Person Conducting Test: Summit Bank

Federal 8-22-9-16
3/20/2024 10:49:28 AM



Legend	
P23450	Pressure