



March 3, 2006

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

RE: Applications for Permit to Drill: Federal 1-24-9-16, 2-24-9-16, 3-24-9-16, 7-24-9-16, and 8-24-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in black ink that reads "Mandie Crozier".

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**

**MAR 06 2006**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. <b>UTU-15855</b>	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. N/A	
8. Lease Name and Well No. Federal 8-24-9-16	
9. API Well No. <b>43-01333086</b>	
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Monument Butte
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 24, T9S R16E
2. Name of Operator Newfield Production Company	12. County or Parish Duchesne
3a. Address Route #3 Box 3630, Myton UT 84052	13. State UT
3b. Phone No. (include area code) (435) 646-3721	14. Distance in miles and direction from nearest town or post office* Approximatley 17.0 miles south of Myton, Utah
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 2148' FNL 763' FEL <b>580192X 40.01712,</b> At proposed prod. zone <b>4429934Y -110.060335</b>	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 763' f/lse, NA' f/unit
16. No. of Acres in lease 1200.00	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1614'	19. Proposed Depth 5811'
20. BLM/BIA Bond No. on file UTB000192	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5603' GL
22. Approximate date work will start* 2nd Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to ng release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/3/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL MANAGER	Date 03-09-06
Title		

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

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

\*(Instructions on reverse)

RECEIVED

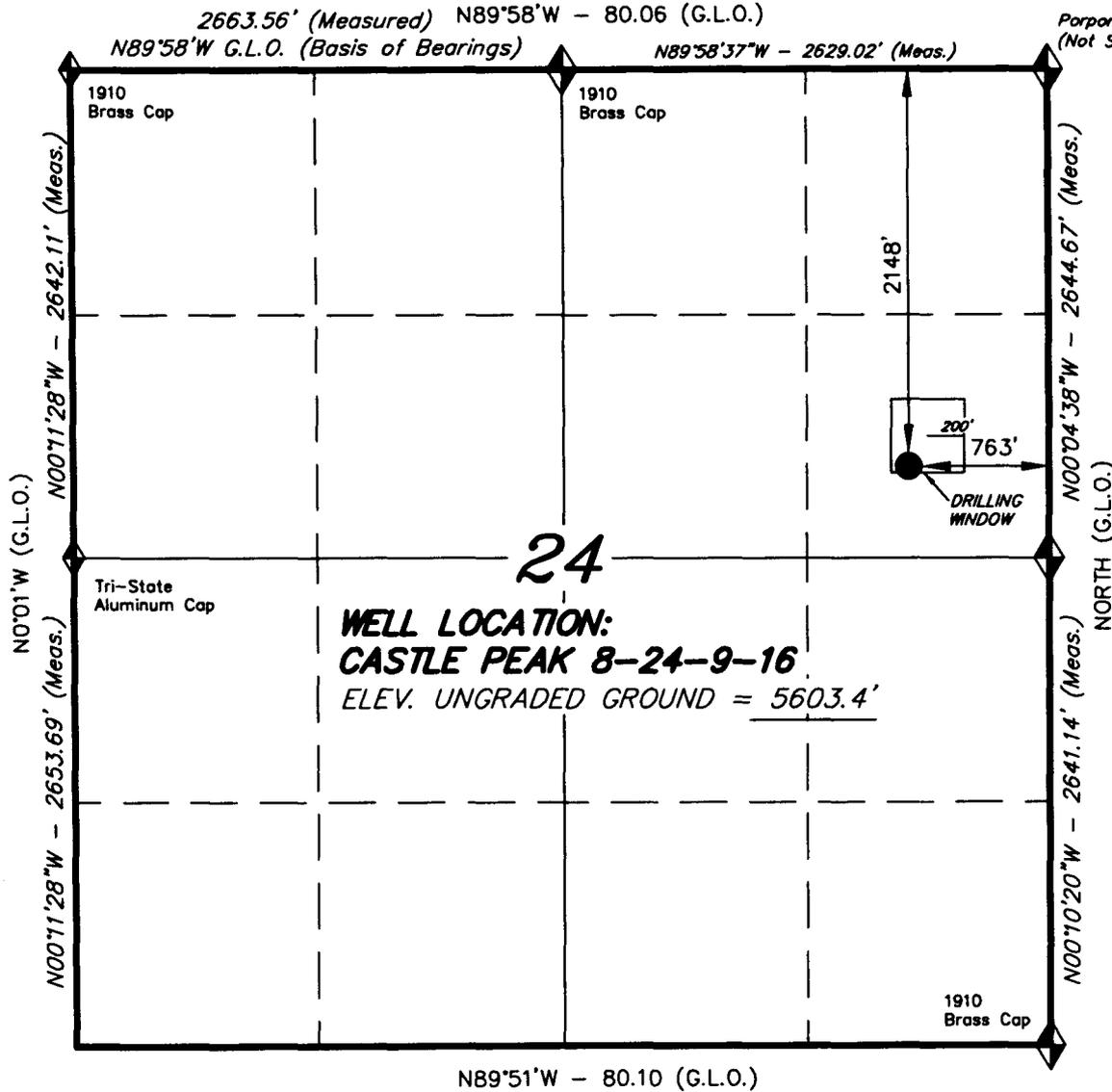
MAR 06 2006

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

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

NEWFIELD PRODUCTION COMPANY



WELL LOCATION, CASTLE PEAK  
 8-24-9-16, LOCATED AS SHOWN IN  
 THE SE 1/4 NE 1/4 OF SECTION 24,  
 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

REGISTERED LAND SURVEYOR  
 STACY W.  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

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

**CASTLE PEAK 8-24-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 01' 03.79"  
 LONGITUDE = 110° 03' 39.84"

## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 1-31-06	SURVEYED BY: C.M.
DATE DRAWN: 2-16-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY  
FEDERAL #8-24-9-16  
SE/NE SECTION 24, 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' – 2172'
Green River	2172'
Wasatch	5811'

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

Green River Formation 2172' – 5811' - 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 #8-24-9-16  
SE/NE SECTION 24, 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 #8-24-9-16 located in the SE 1/4 NE 1/4 Section 24, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 3.7 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed along the proposed access road - 160'  $\pm$  to the proposed well location 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 #05-270, 9/7/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #8-24-9-16 Newfield Production Company requests 160' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 1,900' ROW in Lease UTU-72106, a 2,700' ROW in Lease UTU-77369, and 6-40' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**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:** Amy Torres to advise.

**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 percentages are in pure live seed.

Crested Wheatgrass	<i>Agropyron Cristatum</i>	4 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre

**Details of the On-Site Inspection**

The proposed Federal #8-24-9-16 was on-sited on 11/30/05. The following were present: Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

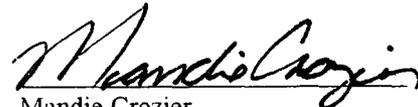
Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-24-9-16 SE/NE Section 24, Township 9S, Range 16E, Lease UTU-15855 Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

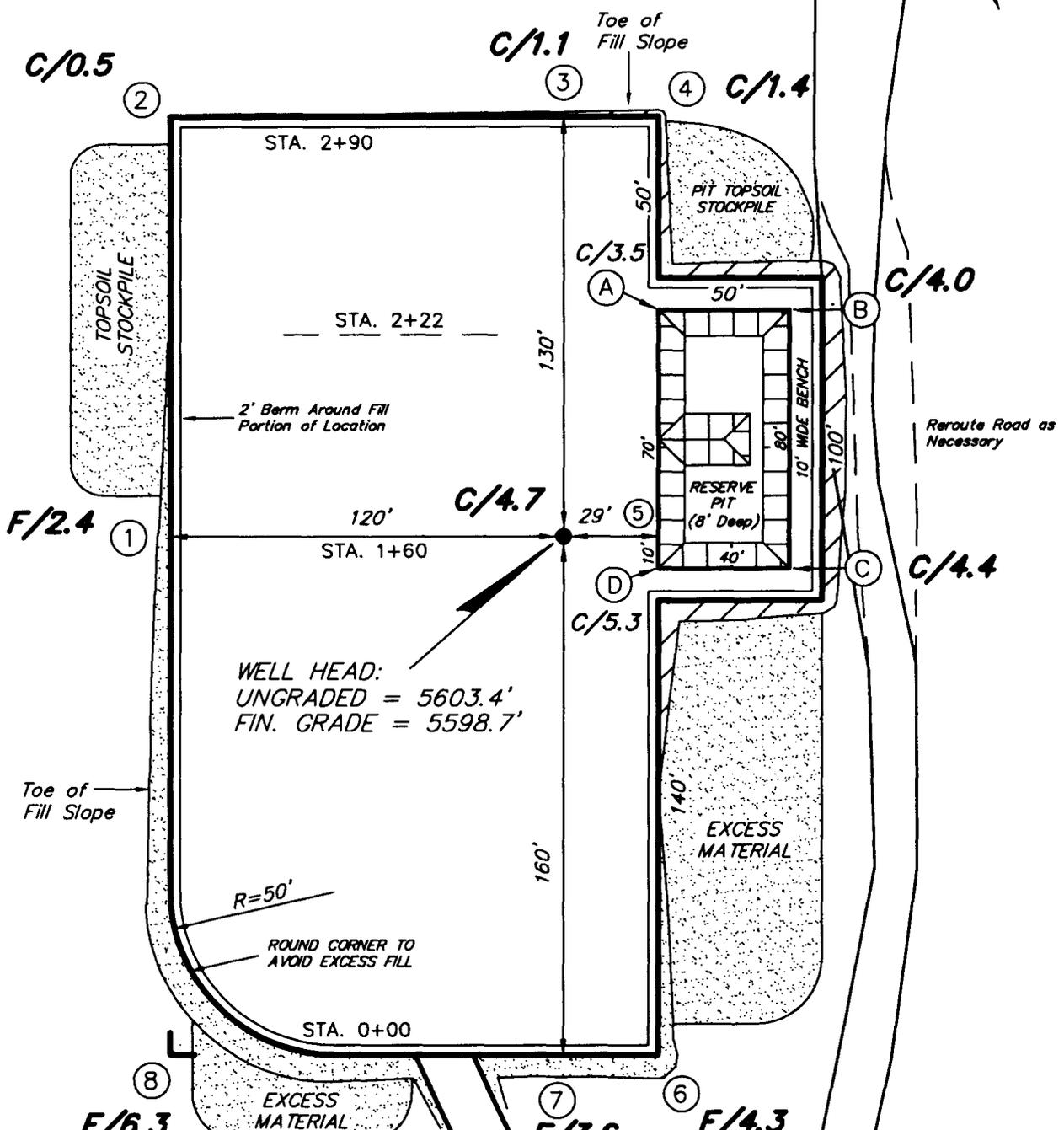
3/3/06  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

CASTLE PEAK 8-24-9-16

Section 24, T9S, R16E, S.L.B.&M.



WELL HEAD:  
UNGRADED = 5603.4'  
FIN. GRADE = 5598.7'

REFERENCE POINTS

180' SOUTHWESTERLY	= 5598.6'
230' SOUTHWESTERLY	= 5593.8'
170' SOUTHEASTERLY	= 5594.2'
220' SOUTHEASTERLY	= 5585.8'

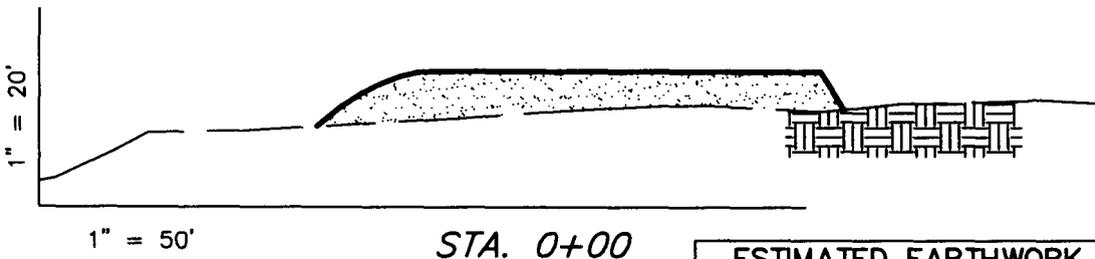
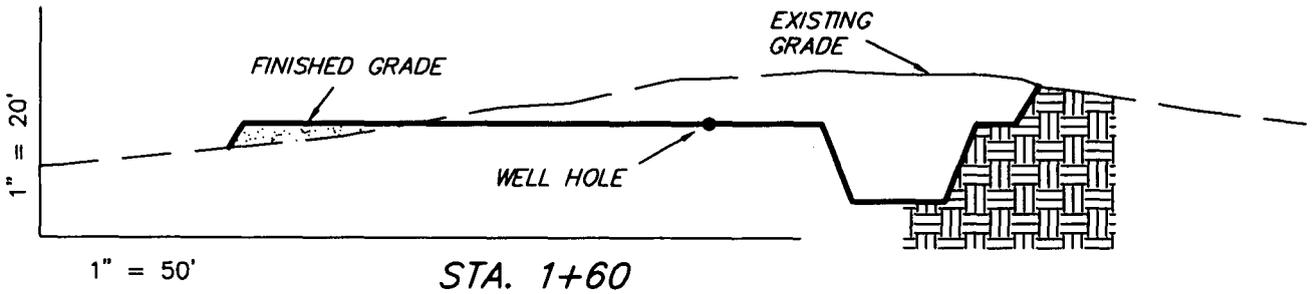
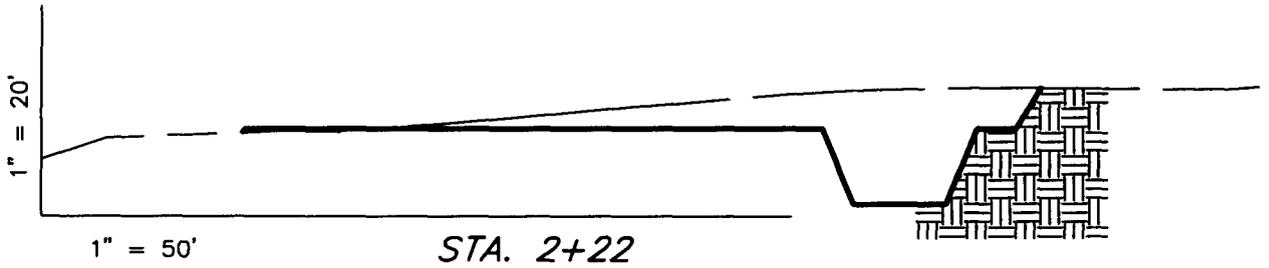
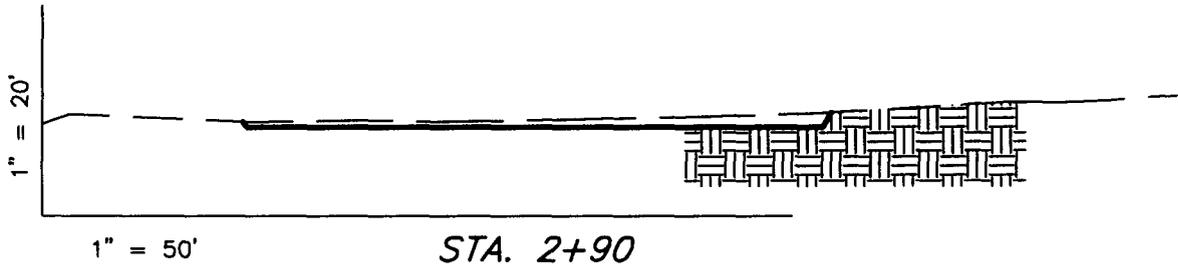
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 2-16-06

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

# NEW FIELD PRODUCTION COMPANY

## CROSS SECTIONS

### CASTLE PEAK 8-24-9-16



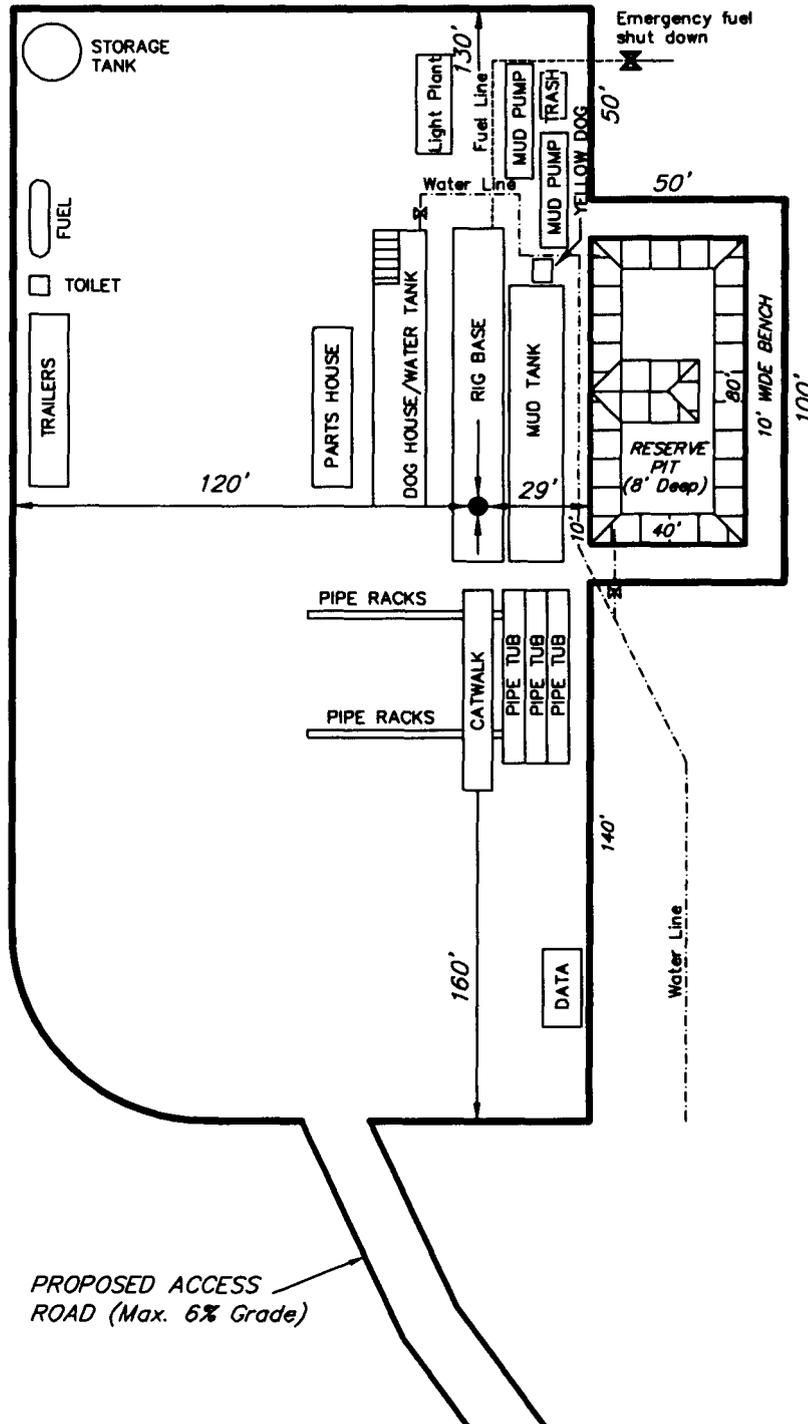
NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,080	2,070	Topsail is not included in Pad Cut	10
PIT	640	0		640
TOTALS	2,720	2,070	960	650

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 2-16-06

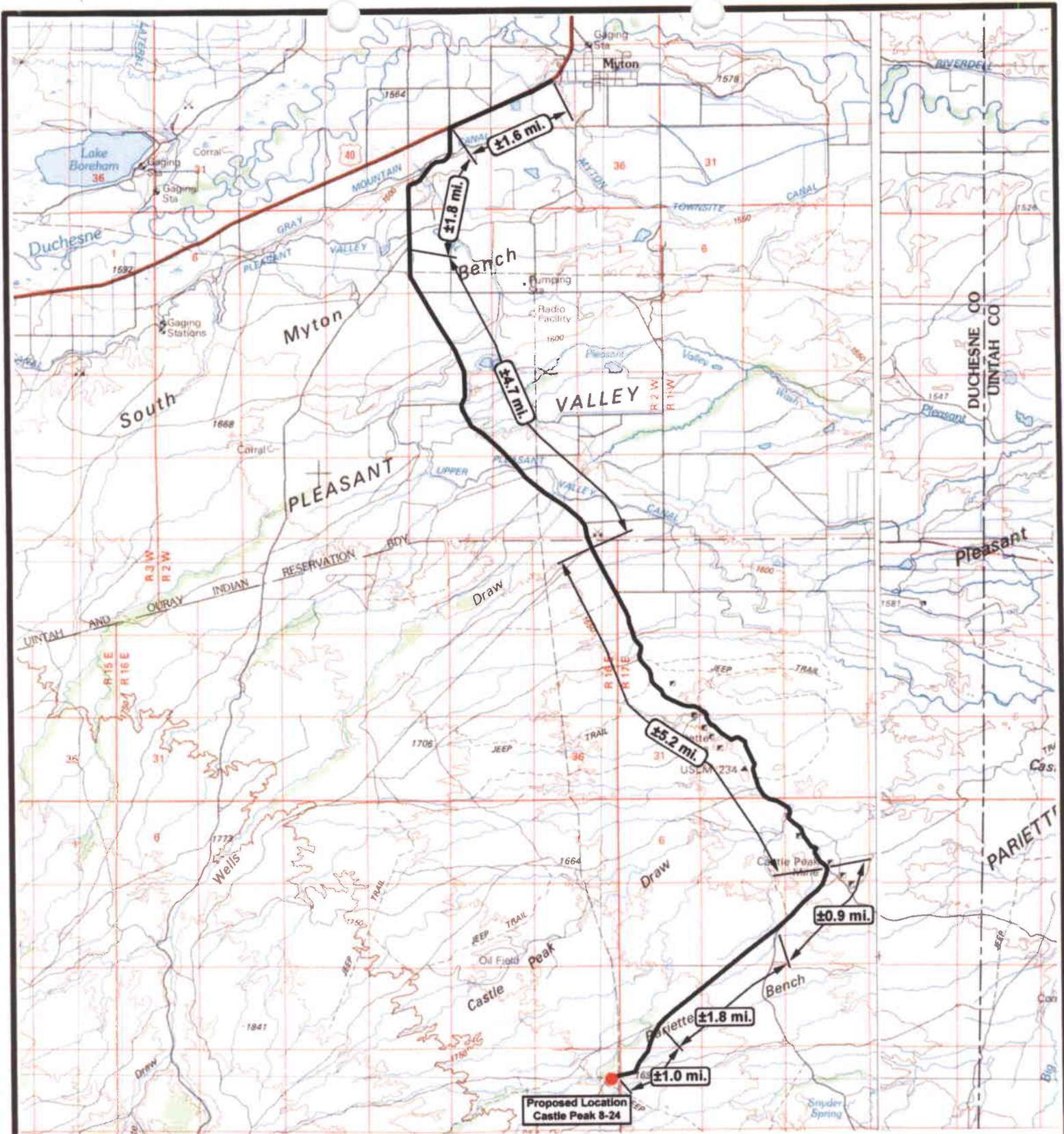
**Tri State**  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 (435) 781-2501

**NEWFIELD PRODUCTION COMPANY**  
**TYPICAL RIG LAYOUT**  
**CASTLE PEAK 8-24-9-16**



SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 2-16-06

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



**NEWFIELD**  
Exploration Company

**Castle Peak 8-24-9-16**  
**SEC. 24, T9S, R16E, S.L.B.&M.**



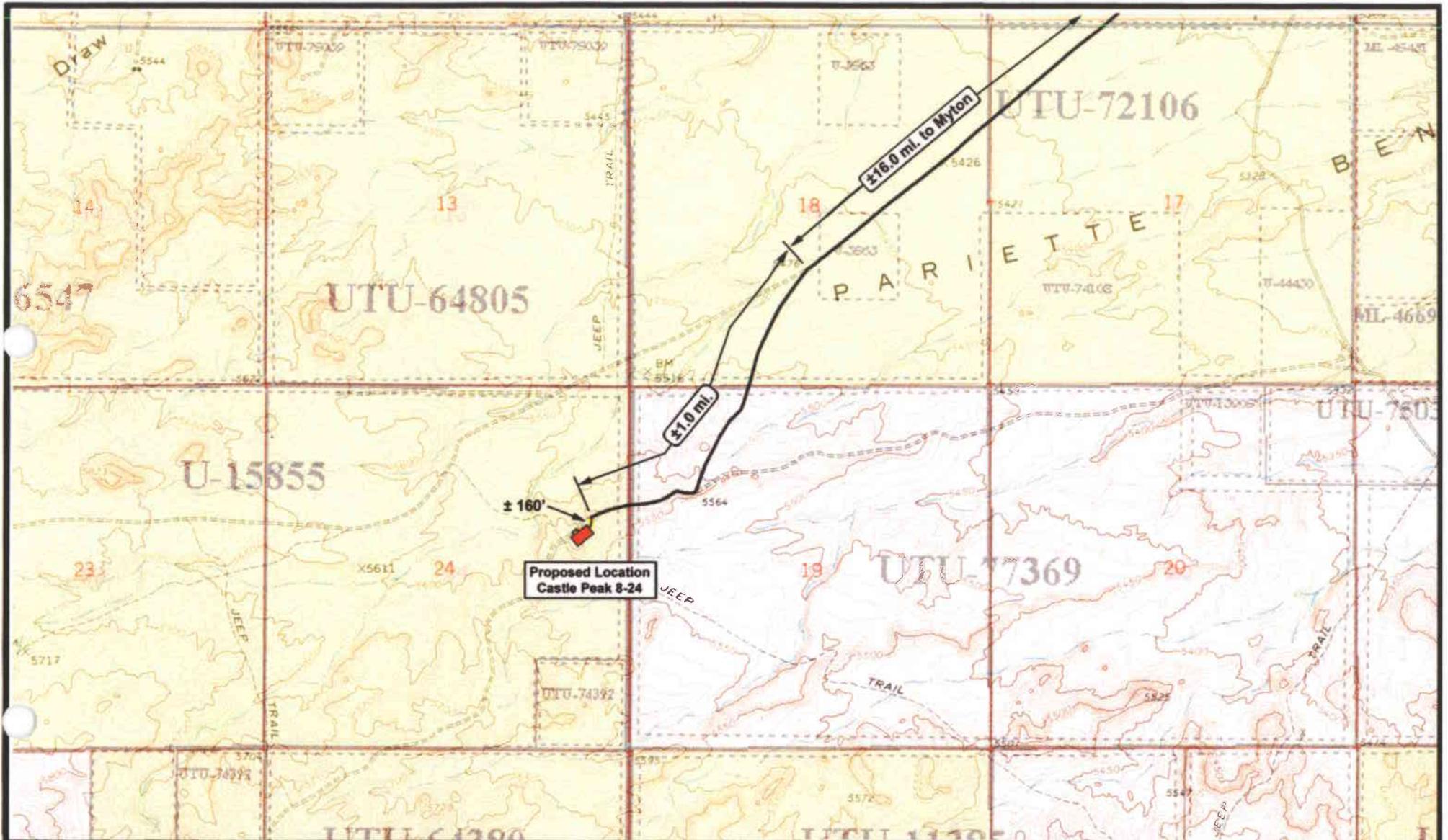
**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 02-21-2006

**Legend**

- Existing Road
- Proposed Access

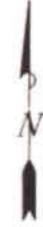
TOPOGRAPHIC MAP  
**"A"**




**NEWFIELD**  
Exploration Company

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**Castle Peak 8-24-9-16**  
**SEC. 24, T9S, R16E, S.L.B.&M.**



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

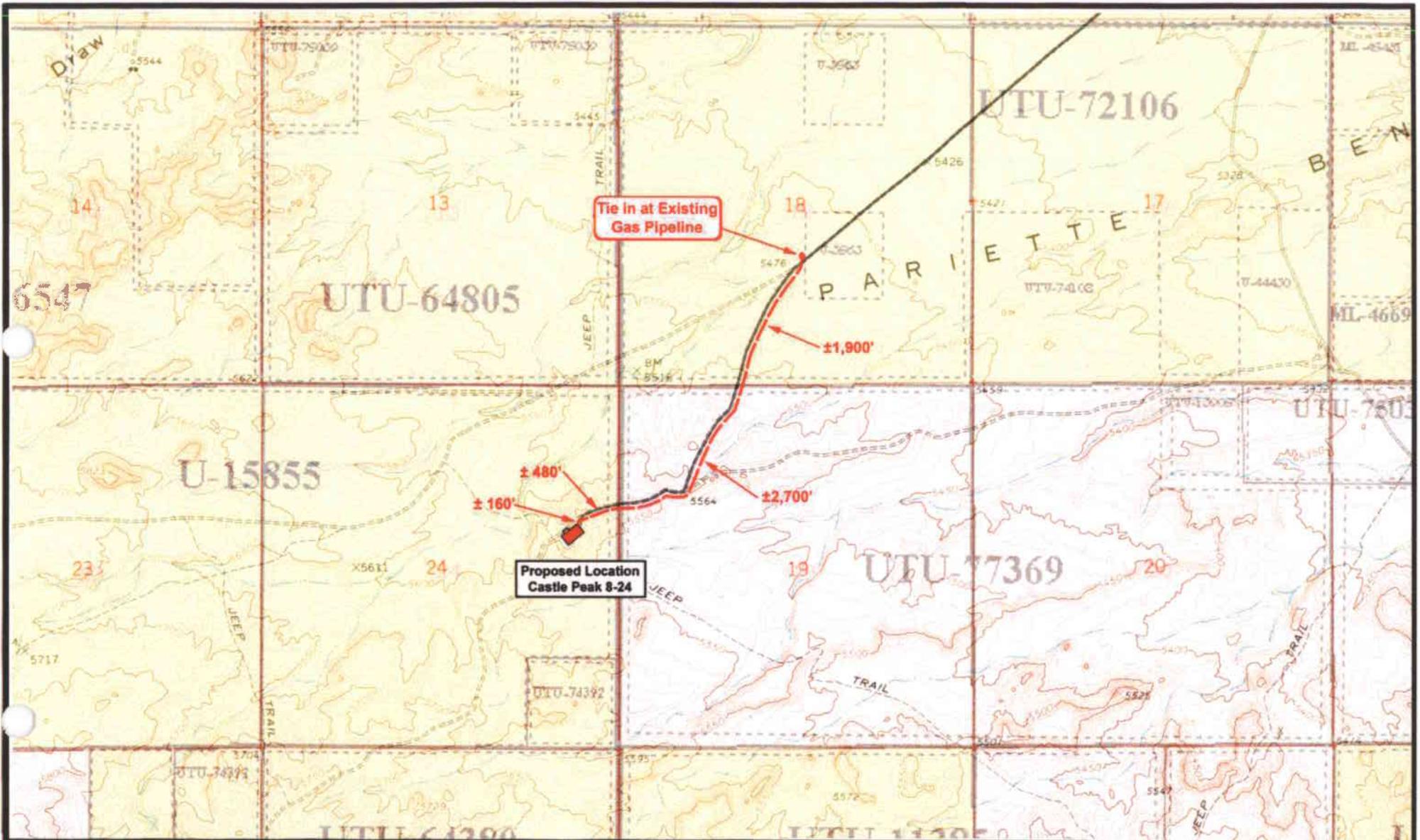
SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 02-21-2006

**Legend**

— Existing Road  
— Proposed Access

**"B"**





  
**NEWFIELD**  
 Exploration Company

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**Castle Peak 8-24-9-16**  
**SEC. 24, T9S, R16E, S.L.B.&M.**

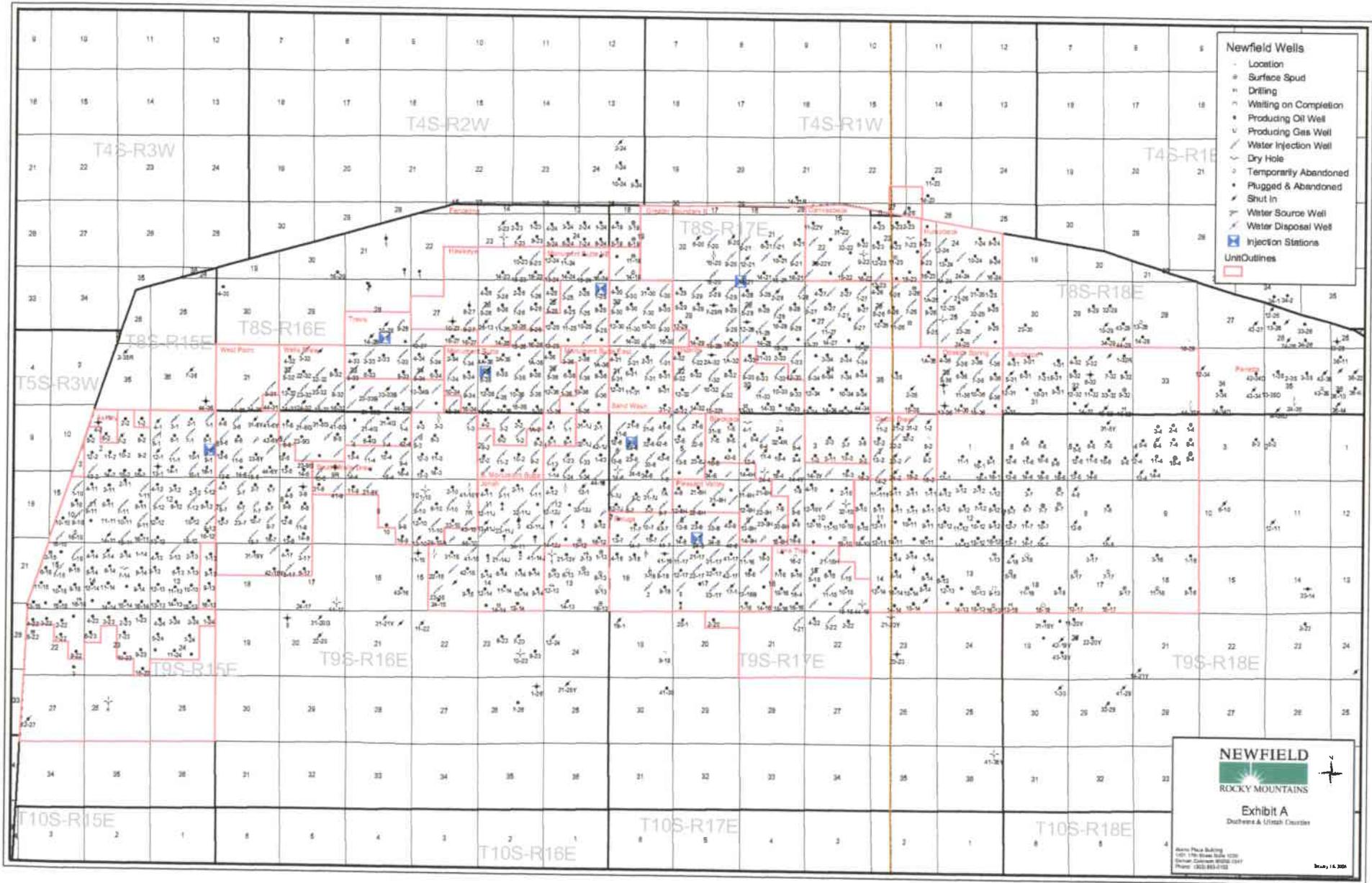
  
*Tri-State*  
 Land Surveying Inc.  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

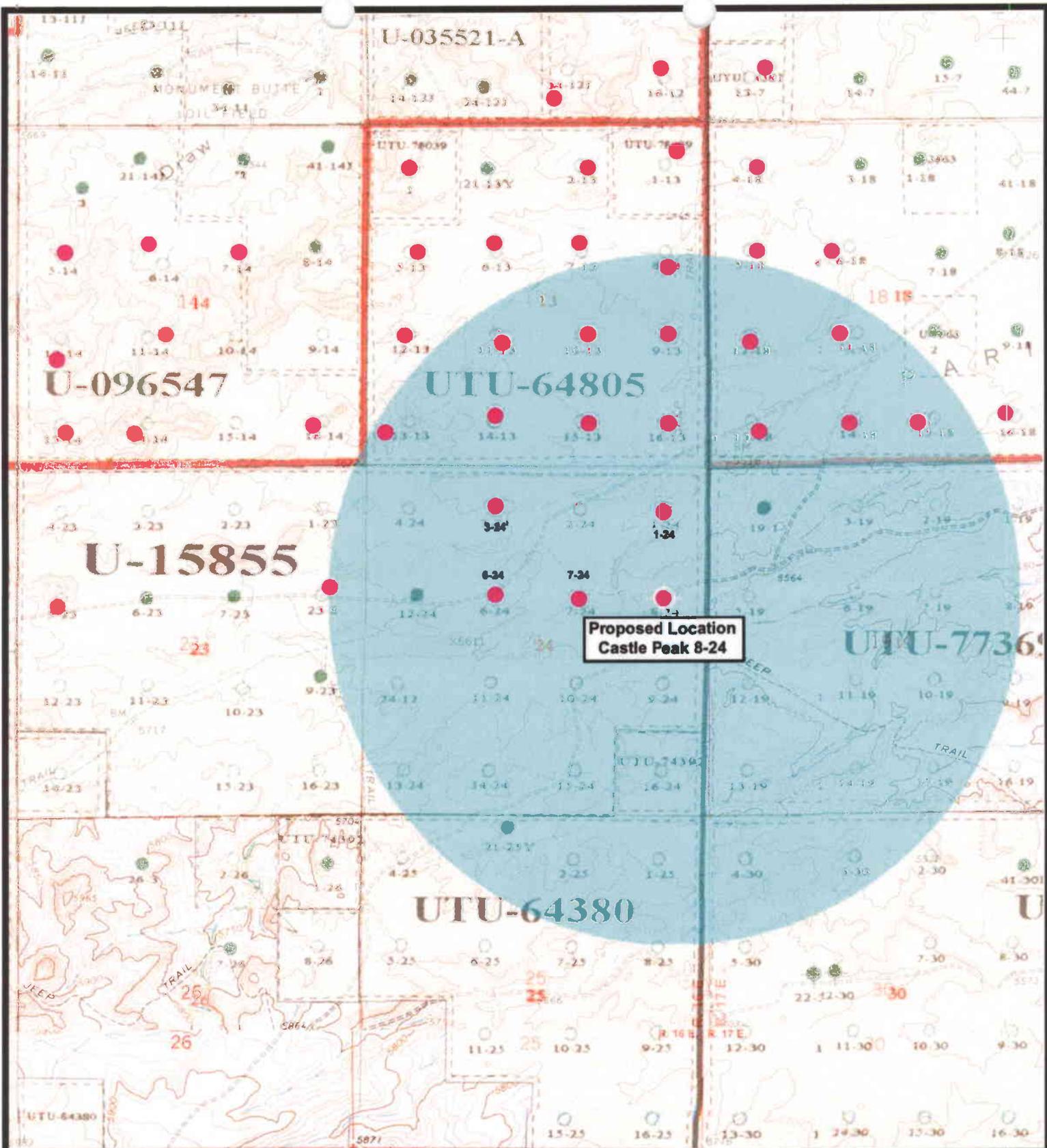
SCALE: 1" = 2,000'  
 DRAWN BY: mw  
 DATE: 02-21-2006

**Legend**

— Roads  
 - - - Proposed Gas Line

**"C"**





**NEWFIELD**  
Exploration Company

**Castle Peak 8-24-9-16**  
**SEC. 24, T9S, R16E, S.L.B.&M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 02-21-2006

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

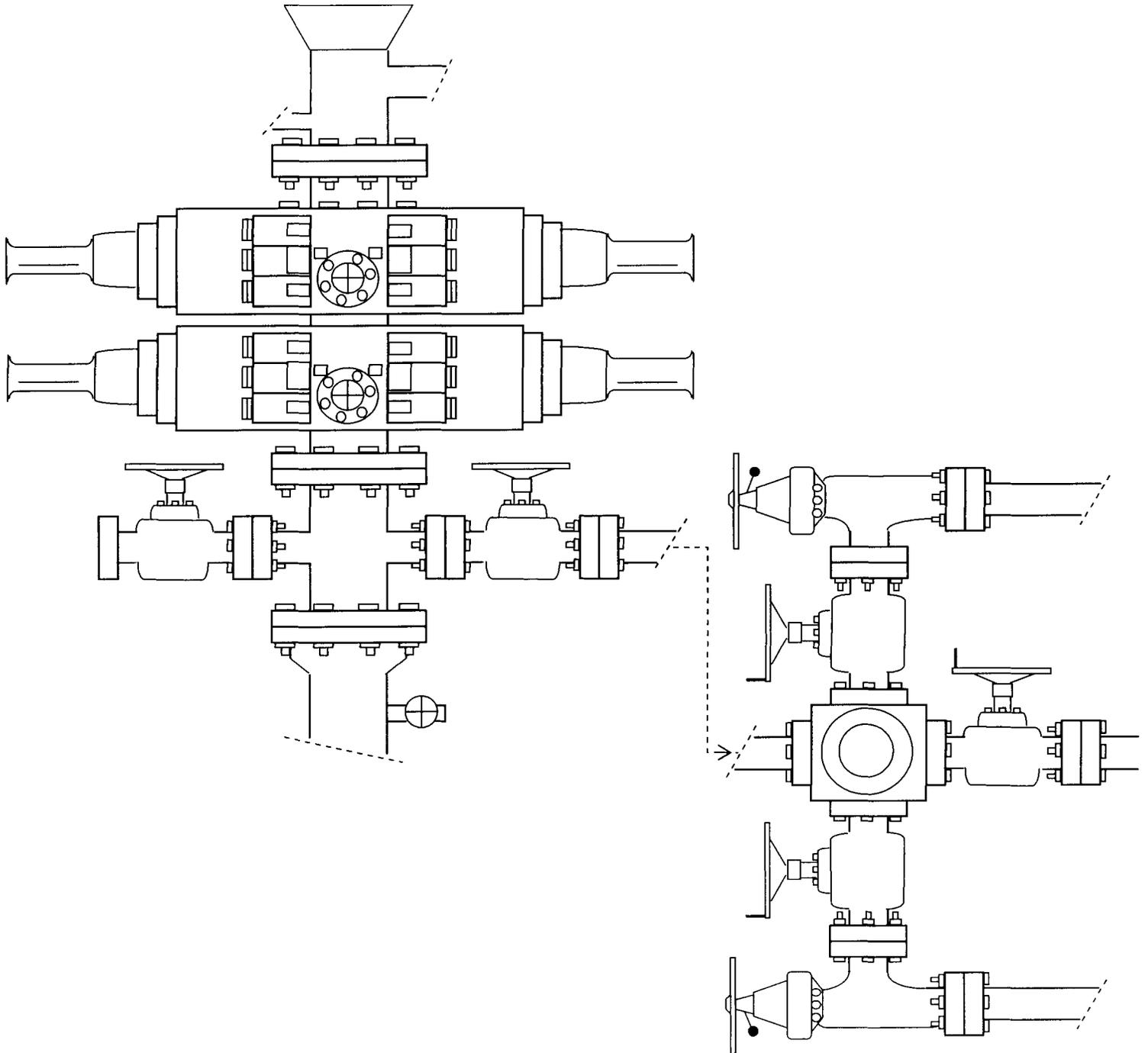


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 23 and 24,  
DUCHESNE COUNTY, UTAH

By:

Andre' Jendresen  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 05-270

September 7, 2005

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

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0831b

**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: 03/06/2006

API NO. ASSIGNED: 43-013-33086

WELL NAME: FEDERAL 8-24-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

SENE 24 090S 160E  
 SURFACE: 2148 FNL 0763 FEL  
 BOTTOM: 2148 FNL 0763 FEL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.01771 LONGITUDE: -110.0603  
 UTM SURF EASTINGS: 580192 NORTHINGS: 4429936  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-15855

PROPOSED FORMATION: GRRV

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

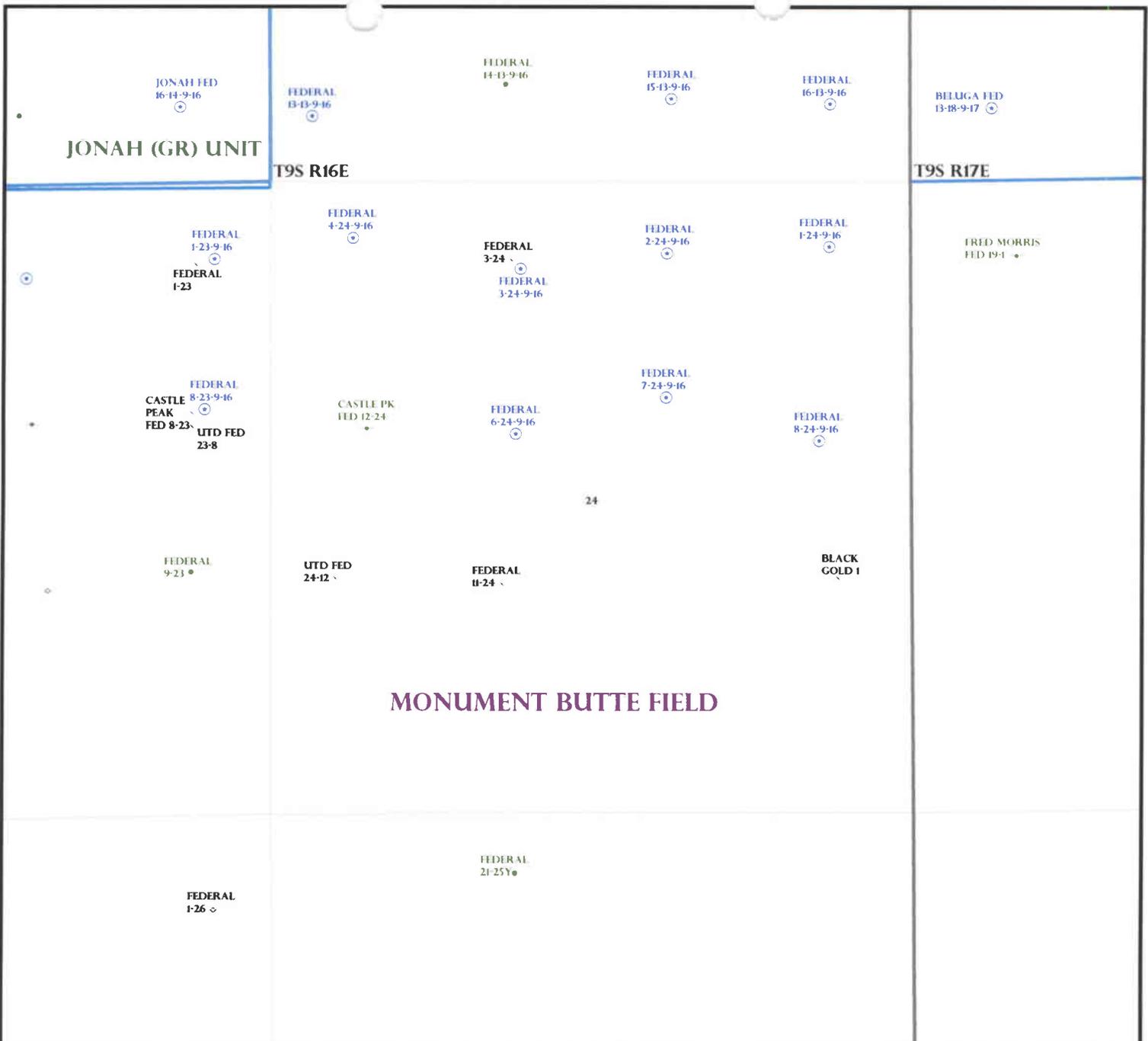
- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

*See Separate File*

STIPULATIONS:

*1- Federal Approval  
2- Spacing Strip*



**MONUMENT BUTTE FIELD**

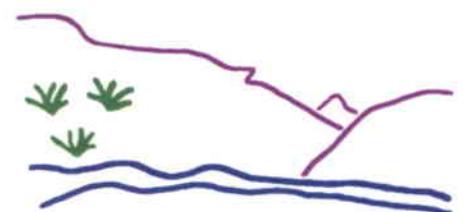
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 24 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESENE

SPACING: R649-3-2 / GENERAL SITING



*Utah Oil Gas and Mining*



PREPARED BY: DIANA WHITNEY  
DATE: 09-MARCH-2006

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

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

- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 9, 2006

Newfield Production Company  
Route #3, Box 3630  
Myton, UT 84052

Re: Federal 8-24-9-16 Well, 2148' FNL, 763' FEL, SE NE, Sec. 24, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33086.

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 8-24-9-16  
**API Number:** 43-013-33086  
**Lease:** UTU-15855

**Location:** SE NE                      **Sec.** 24                      **T.** 9 South                      **R.** 16 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

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MAR 06 2006

BLM VERNAL, UTAH

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004
5. Lease Serial No. UTU-15855
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 8-24-9-16
9. API Well No. 43-013-33086
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 24, T9S R16E
12. County or Parish Duchesne
13. State UT
14. Distance in miles and direction from nearest town or post office* Approximatley 17.0 miles south of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 763' f/lse, NA' f/unit
16. No. of Acres in lease 1200.00
17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1614'
19. Proposed Depth 5811'
20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5603' GL
22. Approximate date work will start* 2nd Quarter 2006
23. Estimated duration Approximately seven (7) days from spurd to rig release.

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 2148' FNL 763' FEL  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 17.0 miles south of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 763' f/lse, NA' f/unit

16. No. of Acres in lease  
1200.00

17. Spacing Unit dedicated to this well  
40 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1614'

19. Proposed Depth  
5811'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5603' GL

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

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

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 3/3/06
Title Regulatory Specialist		
Approved by (Signature) <i>Jerry Kencelka</i>	Name (Printed/Typed) JERRY KENCNELKA	Date 2-15-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

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FEB 26 2007

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

UDOGM

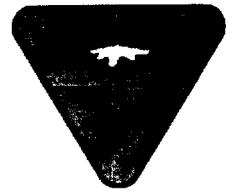
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07BM4770A



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 24, T9S, R16E  
**Well No:** Federal 8-24-9-16      **Lease No:** UTU-15855  
**API No:** 43-013-33086      **Agreement:** N/A

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

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

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

**NOTIFICATION REQUIREMENTS**

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

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

**LEASE STIPULATIONS AND NOTICES**

- There is a Golden Eagle nest located 0.10 miles W of the proposed location. No construction or drilling shall occur from February 1 through July 15 to protect the Golden Eagles during nesting season.
- There is habitat for Burrowing Owl within the proposed location. No construction or drilling shall occur from April 1 – August 15 to protect the Burrowing Owl during nesting season.
- Lease Notices (field review and RMP):
  1. Lessee/operator is given notice lands in this lease have been identified as containing Golden Eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden Eagle and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
  2. Lease Notices from RMP: Lessee/operator is given notice lands in this lease have been identified as containing Ferruginous Hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous Hawk and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Comments:
  1. The Division of Wildlife Resources has designated lands in this area as containing potential antelope habitat and Mountain Plover habitat.
  2. If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist must be contacted at least 2 weeks prior to the anticipated construction start date so surveys can be initiated.

**CONDITIONS OF APPROVAL**

- ROW (Right of Way):
  1. Access roads will be Crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet during construction.
  2. Construction of gas pipelines. The disturbed area will be 50 feet wide to allow for construction of a surface 6" gas gathering line, and a surface 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure.
  3. Construction of water pipelines. Water pipelines will be buried 4 to 5 feet deep to avoid freezing. The disturbed area will be 50 feet wide to allow for construction and 30 feet

wide for operations. Buried water pipelines will be 3" steel water injection line and a 3" poly water return line.

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

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

- All pounds are in pure live seed.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - Reseeding may be required if initial seeding is not successful.
- 
- The operator will be responsible for treatment and control of invasive and noxious weeds.
  - The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
  - Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
  - The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
  - The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
  - All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
  - All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
  - Notify the Authorized Officer 48 hours prior to surface disturbing activities.
  - Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

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

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

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

1. A variance is granted for O.O. #2 III. E. 1.
  - a. The blooie line shall be straight or have targeted tees for bends in the line.
  - b. Not requiring an automatic igniter or continuous pilot on the blooie line.
2. Run a cement bond log from TD to the base of the surface casing shoe.

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

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

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

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

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

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

Cement baskets shall not be run on surface casing.

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

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

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

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

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

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

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

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

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

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

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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

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

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

**2148 FNL 763 FEL      SE/NE Section 24, T9S R16E**

5. Lease Designation and Serial No.

**UTU-15855**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 8-24-9-16**

9. API Well No.

**43-013-33086**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

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

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Permit Extension**

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

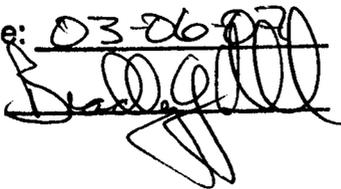
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/9/06 (expiration 3/9/07).

This APD is not yet due to expire with the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 03-06-07  
By: 

3-7-07  
RM

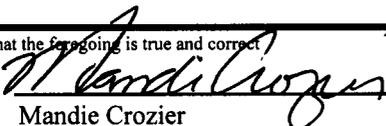
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**MAR 06 2007**

DIV. OF OIL, GAS & MINING

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

Signed

  
Mandie Crozier

Title

Regulatory Specialist

Date

3/5/2007

CC: UTAH DOGM

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

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

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

**API:** 43-013-33086  
**Well Name:** Federal 8-24-9-16  
**Location:** SE/NE Section 24, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 3/9/2006

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

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

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

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

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

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

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

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

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

Mandi Cruz  
Signature

3/5/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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MAR 06 2007  
DIV. OF OIL, GAS & MINING

**DIVISION OF OIL, GAS AND MINING**

***SPUDDING INFORMATION***

Name of Company: **Newfield Production Company**

Well Name: **Federal 8-24-9-16**

API No: **43-013-33086** Lease Type: **Federal**

Section **24** Township **09S** Range **16E** County **Duchesne**

Drilling Contractor **Ross Rig** Rig # **24**

**SPUDDED:**

Date **2-25-08**

Time **2:00 PM**

How **Dry**

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

Reported by **Jim**

Telephone # **435-823-2072**

Date **2-26-08** Signed **RM**

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

OPERATOR: NEWFIELD PRODUCTION COMPANY  
 ADDRESS: RT. 3 BOX 3630  
 MYTOM, UT 84052

OPERATOR ACCT. NO. N2695

RECEIVED

FEB 28 2008

DIV. OF OIL, GAS & MINING

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16720	4301333686	Ute Tribal 10-21-4-1	NWSE	21	4S	1W	Duchesne	2/22/2008	2/28/08

WELL 1 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12277	4301333755	Pleasant Valley Federal I-8-9-17	SWNE	8	9S	17E	Duchesne	2/23/2008	2/28/08

WELL 2 COMMENTS: GRRV BHL = SW NE

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12277	4301333754	Pleasant Valley Federal H-8-9-17	NENW NESE	8	9S	17E	Duchesne	2/23/2008	2/28/08

WELL 3 COMMENTS: GRRV BHL = NENW

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16721	4301333086	Federal 8-24-9-16	SENE	24	9S	16E	Duchesne	2/25/2008	2/28/07

WELL 4 COMMENTS: GRRV

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16722	4301333338	Federal 9-24-9-16	NESE	24	9S	16E	Duchesne	2/27/2008	2/28/07

WELL 5 COMMENTS: GRRV

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

WELL 6 COMMENTS:

- ACTION CODES (See instructions on back of form)
- A - new entity for new well (single well only)
  - B - well to existing entity (group or full well)
  - C - from one existing entity to another existing entity
  - D - well from one existing entity to a new entity
  - E - lease (highlight in orange in section)

  
 Signature Tammi Lee

Production Clerk 02/28/08  
 Date

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

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.  
UTU-15855

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 8-24-9-16

9. API Well No.  
4301333086

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 area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2148 FNL 763 FEL  
SENE Section 24 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment	<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 2/25/07 MJRU Ross # 24. Spud well @ 2:00 pm. Drill 330' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Ser @ 332.64 KB. On 2/28/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cfl sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/Typed)  
Jim Smith

Signature \_\_\_\_\_

Title  
Drilling Foreman

Date  
02/29/2008

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**  
MAR 03 2008  
BUREAU OF OIL, GAS & MINING

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

8 5/8 CASING SET AT 332.64

LAST CASING 8 5/8" set @ 332.64  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 330' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 8-24-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 24

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 39.36'					
		WHI - 92 csg head			8rd	A	0.95
8	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	321.48
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			323.33
TOTAL LENGTH OF STRING		323.33	8	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>332.64</b>
TOTAL		321.48	8	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		321.48	8				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	2/25/2008	2:00 PM	GOOD CIRC THRU JOB			Yes
CSG. IN HOLE		2/26/2008	10:00 AM	Bbls CMT CIRC TO SURFACE			5
BEGIN CIRC.		2/28/2008	11:46 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT		2/28/2008	12:15 PM				
BEGIN DSPL. CMT		2/28/2008	12:31 PM	BUMPED PLUG TO			200 psi on w well head
PLUG DOWN		2/28/2008	12:41 PM				PSI

CEMENT USED		CEMENT COMPANY- <b>B. J.</b>
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT SHOW MAKE & SPACING  
 Centralizers - Middle first, top second & third for 3

CSG. IN HOLE  
 COMPANY REPRESENTATIVE Jim Smith DATE 2/29/2008

BEGIN PUMP CMT  
 BEGIN DSPL. CMT  
 PLUG DOWN  
 CEMENT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**UTU-15855**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**FEDERAL 8-24-9-16**

9. API Well No.  
**43-013-33086**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**2148 FNL 763 FEL                      SE/NE Section 24, T9S R16E**

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

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 2/15/07 (expiration 2/15/08).

RECEIVED  
 VERNAL FIELD OFFICE  
 2008 FEB -4 PM 1:27  
 BUREAU OF LAND MGMT.

**CONDITIONS OF APPROVAL ATTACHED**

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

Signed Mandie Crozier Title Regulatory Specialist Date 1/31/2008

CC: UTAH DOGM

(This space for Federal or State office use)  
 Approved by Mark Baker Title Petroleum Engineer Date FEB 14 2008

Conditions of approval, if any:

CC: Utah DOGM

**RECEIVED**

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

**MAR 24 2008**



# CONDITIONS OF APPROVAL

## Newfield Production Co.

### Notice of Intent APD Extension

**Lease:** UTU-15855  
**Well:** Fed 8-24-9-16  
**Location:** SENE Sec 24-T9S-R16E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 02/15/09
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-15855

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE 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.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FEDERAL 8-24-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333086

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: 2148 FNL 763 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 24, T9S, R16E

STATE: UT

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

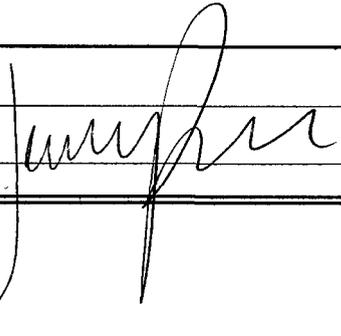
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: . 04/24/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 04/07/08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 04/24/2008

(This space for State use only)

**RECEIVED**  
**MAY 02 2008**  
DIV. OF OIL, GAS & MINING

## Daily Activity Report

Format For Sundry

**FEDERAL 8-24-9-16**

**2/1/2008 To 6/30/2008**

**4/1/2008 Day: 1**

**Completion**

Rigless on 3/31/2008 - 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 @ 5664' & cement top @ 40'. Perforate stage #1. CP.5 sds @ 5272- 78' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. 136 BWTR. SIFN.

**4/2/2008 Day: 2**

**Completion**

Rigless on 4/1/2008 - Stage #1, CP.5 sands. RU BJ Services. 0 psi on well. Frac CP.5 sds w/ 15,319#'s of 20/40 sand in 284 bbls of Lightning 17 fluid. Broke @ 3297 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2126 psi @ ave rate of 23.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2956 psi. Leave pressure on well. 420 BWTR Stage #2, B1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 9' perf gun. Set plug @ 4800'. Perforate B1 sds @ 4693- 4702' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. RU BJ Services. 1967 psi on well. Frac B1 sds w/ 60,062#'s of 20/40 sand in 502 bbls of Lightning 17 fluid. Broke @ 3553 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1779 psi @ ave rate of 23.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1884 psi. Leave pressure on well. 922 BWTR Stage #3, D2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 12' perf gun. Set plug @ 4630'. Perforate D2 sds @ 4520- 32' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ Services. 1542 psi on well. Frac D2 sds w/ 35,229#'s of 20/40 sand in 407 bbls of Lightning 17 fluid. Broke @ 3400 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2972 psi @ ave rate of 21.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2107 psi. Leave pressure on well. 1329 BWTR Stage #4, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 7' perf gun. Set plug @ 4060'. Perforate GB6 sds @ 3949- 56' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 shots. RU BJ Services. 1460 psi on well. Frac GB6 sds w/ 29,694#'s of 20/40 sand in 367 bbls of Lightning 17 fluid. Broke @ 1670 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1808 psi @ ave rate of 23.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1640 psi. Leave pressure on well. 1696 BWTR Stage #5, GB2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 3930'. Perforate GB2 sds @ 3878- 86' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1126 psi on well. Frac GB2 sds w/ 31,997#'s of 20/40 sand in 369 bbls of Lightning 17 fluid. Broke @ 2382 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1932 psi @ ave rate of 23.5 BPM. ISIP 1618 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs & died. Rec 300 BTF. SIWFN w/ 1765 BWTR

**4/3/2008 Day: 3****Completion**

Western #2 on 4/2/2008 - MIRU Western #2. 75 psi on well. Bled off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 103 jts of 2 7/8" J-55 tbg. EOT @ 3244'. SIWFN w/ 1741 BWTR

**4/4/2008 Day: 4****Completion**

Western #2 on 4/3/2008 - 50 psi on csg, 25 psi on tbg. Bleed off pressure. Continue PU & RIH w/ tbg. Tagged fill @ 3911'. RU Nabors power swivel. Drill out plugs & circulate sand as follows: Plug @ 3930', Sand @ 3911' (Drilled up 16 mins), Plug @ 4060', Sand @ 4029' (Drilled up in 27 mins), Plug @ 4630', No sand (Drilled up in 14 mins), Plug @ 4800', 4720' (Drilled up in 18 mins). Tagged fill @ 5625', C/O to PBTD @ 5695'. Hang back power swivel. LD 2 jts of tbg. EOT @ 5632'. RU swab equipment. IFL @ surface. Made 15 runs, Rec 145 BTF. FFL @ 1600'. Trace of oil, No sand. SIWFN w/ 1596 BWTR

**4/5/2008 Day: 5****Completion**

Western #2 on 4/4/2008 - Bleed off well. RIH w/ tbg. Tag PBTD @ 5695'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 166 jts 2 7/8" tbg. ND BOP. Set TAC @ 5228' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 16' x 18' RHAC rod pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 84- 3/4" slick rods, 100- 3/4" guided rods, 1- 4' x 3/4" pony sub, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. RD. Could not put well on production (flow lines not insulated). SWIFN.

**4/8/2008 Day: 6****Completion**

Western #2 on 4/7/2008 - When kicking well in on Sunday 4/6/08, polished rod, 4' sub & 6' of top scraped rod came through stuffing box. Rig up Western #2. PU on rods--act parted. LD top 2 rods (bent) & TOH W/ remainder. Found pin stripped on #27 rod. ND wellhead & PU on tbg string--found TA still set. Re-land tbg & NU wellhead. TIH W/ overshot & rods. Latch onto fish & unseat pump. TOH W/ rods. LD #27 (stripped pin). TOH W/ rods to plain. PU 3-3/4" plain rods (A grade). RIH W/ remainder of string (re-torque all connections on TIH). Add new 4' pony rod & PU polished rod. Seat pump & RU punmping unit. RU HO trk & fill tbg W/ 1 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RD MOSU. Est 1597 BWTR. Found flowline deadheaded (repaired issues) Placed well on production @ 1:00 PM 4/7/2008 W/ 102" SL @ 5 SPM. FINAL REPORT!!

**Pertinent Files: Go to File List**

(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 \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

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

At Surface 2148' FNL & 763' FEL (NE/NE) Sec. 24, T9S, R16E  
At top prod. Interval reported below

At total depth

14. API NO. 43-013-33086 DATE ISSUED 03/09/07

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 02/25/08 16. DATE T.D. REACHED 03/13/08 17. DATE COMPL. (Ready to prod.) 04/07/08 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5603' GL 5615' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5750' 21. PLUG BACK T.D., MD & TVD 5695' 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 3878'-5278' 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#	333'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5739'	7-7/8"	275 sx Premlite II and 400 sx 50/50 Poz	

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

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5327'	TA @ 5228'

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

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP.5) 5272'-78'	.49"	4/24	5272'-78'	Frac w/ 15,319# 20/40 sand in 284 bbls fluid
(B1) 4693'-4702'	.49"	4/36	4693'-4702'	Frac w/ 60,062# 20/40 sand in 502 bbls fluid
(D2) 4520'-4532'	.49"	4/48	4520'-4532'	Frac w/ 35,229# 20/40 sand in 407 bbls fluid
(GB6) 3949'-56'	.49"	4/28	3949'-3956'	Frac w/ 29,694# 20/40 sand in 367 bbls fluid
(GB2) 3878'-3886'	.49"	4/32	3878'-3886'	Frac w/ 31,997# 20/40 sand in 369 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 04/18/08	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' x 18' RHAC rod pump - CDI	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 04/27/08	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBLs. 32	GAS--MCF. 37	WATER--BBL. 48	GAS-OIL RATIO 1156
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 Tech DATE 5/14/2008

**RECEIVED**  
**MAY 27 2008**

DIV. OF OIL, GAS & MINING

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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				MEAS. DEPTH	TRUE VERT. DEPTH	
			<p style="text-align: center;"><b>Well Name Federal 8-24-9-16</b></p>			
				Garden Gulch Mkr	3420'	
				Garden Gulch 1	3616'	
				Garden Gulch 2	3740'	
				Point 3 Mkr	3986'	
				X Mkr	4254'	
				Y-Mkr	4286'	
				Douglas Creek Mkr	4408'	
				BiCarbonate Mkr	4637'	
				B Limestone Mkr	4747'	
			Castle Peak	5256'		
			Basal Carbonate	5685'		
			Total Depth (LOGGERS)	5738'		

38.

# NEWFIELD



Well Name: Federal 8-24-9-16  
 LOCATION: S24, T9S, R16E  
 COUNTY/STATE: Duchesne  
 API: 43-013-33086

Spud Date: 2-25-08  
 TD: 5750'  
 CSG: 3-14-08  
 POP: 4-7-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
4/7/2008				1597				POP @ 1:00 P.M. w/ 102" SL @ 5 SPM. 1597 Total water to recover
4/8/2008	22	0	75	1522	0	10	5	
4/9/2008	24	0	5	1517	0	20	5	
4/10/2008	24	0	120	1397	0	20	5	
4/11/2008	24	0	85	1312	0	20	5	
4/12/2008	24	0	134	1178	0	20	5	
4/13/2008	24	0	101	1077	0	20	5	
4/14/2008	24	0	128	949	0	20	5	
4/15/2008	24	0	120	829	0	20	5	
4/16/2008	24	0	120	709	0	20	5	
4/17/2008	24	0	100	609	0	20	5	
4/18/2008	24	33	70	539	0	40	5	
4/19/2008	24	13	77	462	13	70	5	
4/20/2008	24	16	81	381	19	70	5	
4/21/2008	24	13	58	323	23	60	5	
4/22/2008	24	13	87	236	23	60	5	
4/23/2008	24	21	91	145	25	50	5	
4/24/2008	24	20	98	47	25	50	5	
4/25/2008	24	22	97	-50	25	50	5	
4/26/2008	24	8	73	-123	31	70	5	
4/27/2008	24	32	48	-171	37	70	5	
4/28/2008	24	9	57	-228	37	70	5	
4/29/2008	24	17	93	-321	37	60	5	
4/30/2008	24	18	73	-394	35	70	5	
5/1/2008				-394				
5/2/2008				-394				
5/3/2008				-394				
5/4/2008				-394				
5/5/2008				-394				
5/6/2008				-394				
5/7/2008				-394				
5/8/2008				-394				
		<b>235</b>	<b>1991</b>		<b>330</b>			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-15855
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FEDERAL 8-24-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013330860000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2148 FNL 0763 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 24 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/27/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 10/24/2014. On 10/24/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 10/27/2014 the casing was pressured up to 1007 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 255 psig during the test. There was a State representative available to witness the test - Richard Powell.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 31, 2014</b></p>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/30/2014

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Richard Powell Date 10/27/14 Time 12:30 am/pm  
Test Conducted by: Jonny Daniels  
Others Present: \_\_\_\_\_

Well: Federal 8-24-9-10 Field: GMBU  
Well Location: SE 1/4 Sec. 24, T9S, R16E API No: 43-013-33086  
Duchesne County

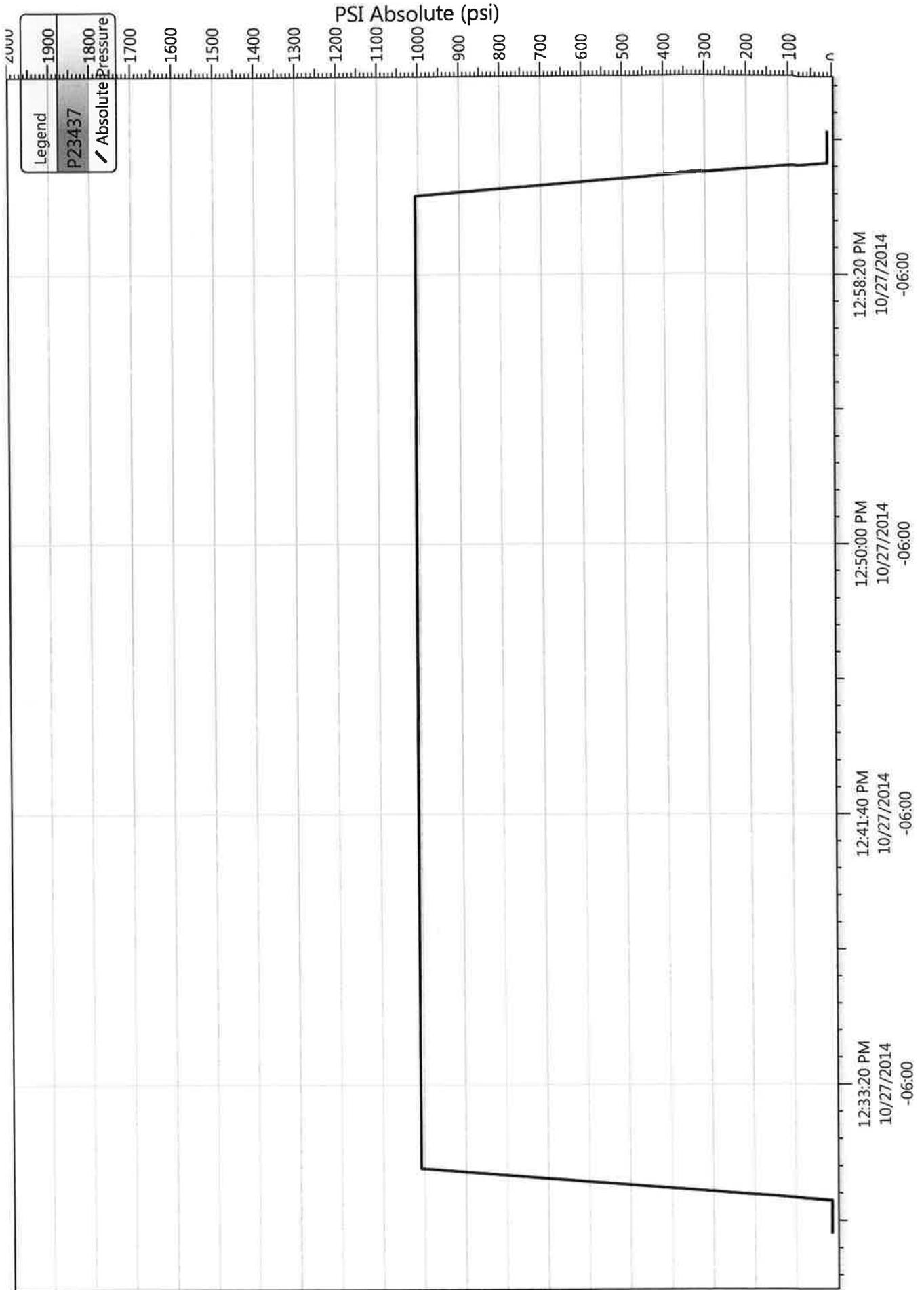
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1008</u>	psig
5	<u>1008</u>	psig
10	<u>1007</u>	psig
15	<u>1007</u>	psig
20	<u>1007</u>	psig
25	<u>1007</u>	psig
30 min	<u>1007</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 255 psig

Result: Pass Fail

Signature of Witness: Richard Powell  
Signature of Person Conducting Test: Jonny Daniels

Federal 8-24-9-16  
10/27/2014 12:28:42 PM



**NEWFIELD**

**Schematic**

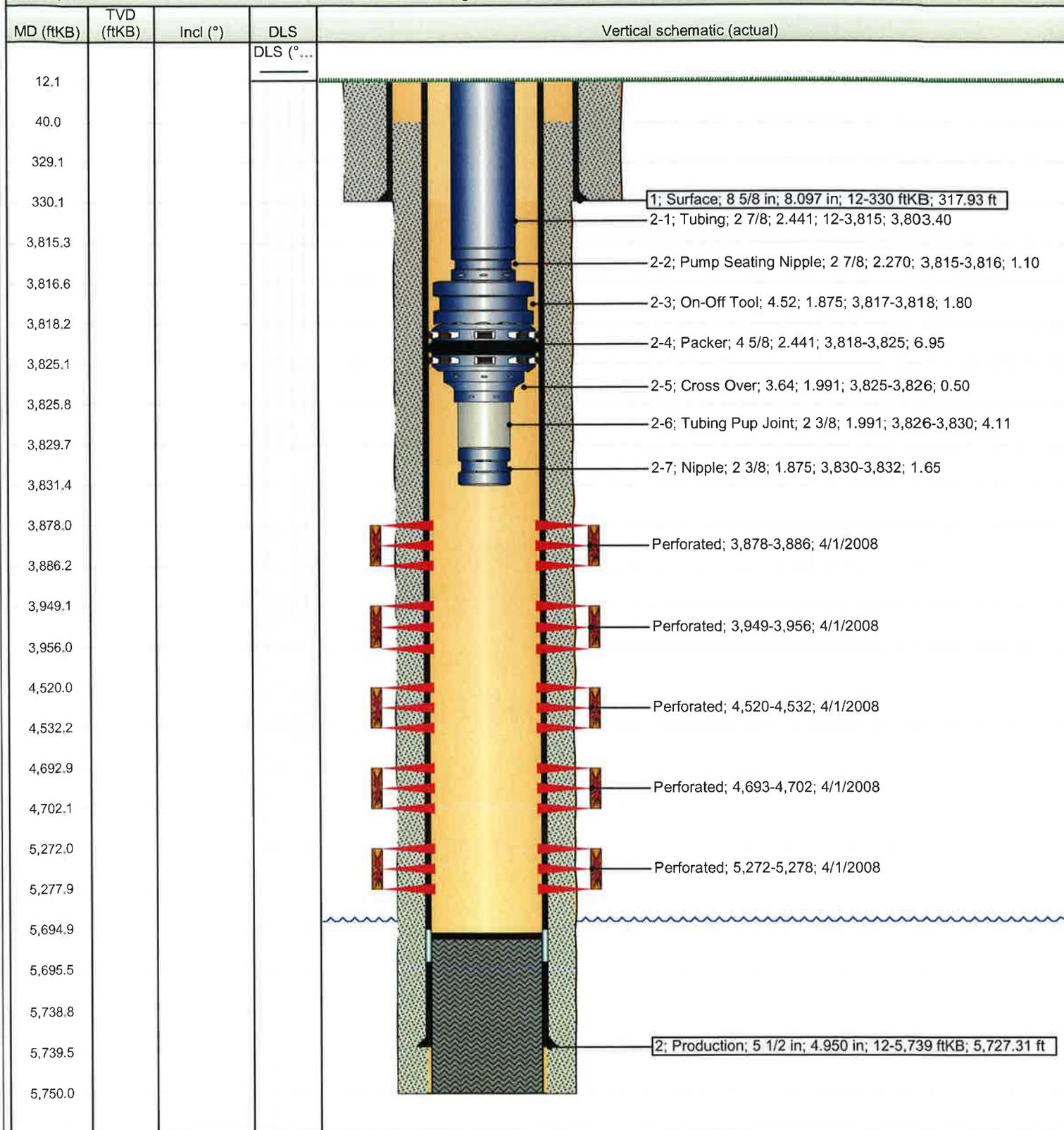
**Well Name: Federal 8-24-9-16**

Surface Legal Location 24-9S-16E		API/UWI 43013330860000	Well RC 500157353	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 2/25/2008	Rig Release Date 3/14/2008	On Production Date 4/7/2008	Original KB Elevation (ft) 5,615	Ground Elevation (ft) 5,603	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,695.0	

**Most Recent Job**

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 10/21/2014	Job End Date 10/27/2014
---------------------------------------	--------------------------------	-----------------------------	------------------------------	----------------------------

**TD: 5,750.0** Vertical - Original Hole, 10/29/2014 9:42:59 AM



**NEWFIELD**
**Newfield Wellbore Diagram Data**  
**Federal 8-24-9-16**

Surface Legal Location 24-9S-16E		API/UWI 4301333086000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 2/25/2008		Spud Date 2/25/2008		Final Rig Release Date 3/14/2008	
Original KB Elevation (ft) 5,615		Ground Elevation (ft) 5,603		Total Depth (ftKB) 5,750.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,695.0	

**Casing Strings**

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	2/25/2008	8 5/8	8.097	24.00	J-55	330
Production	3/14/2008	5 1/2	4.950	15.50	J-55	5,739

**Cement****String: Surface, 330ftKB 2/28/2008**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 330.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake mixed		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

**String: Production, 5,739ftKB 3/14/2008**

Cementing Company BJ Services Company		Top Depth (ftKB) 40.0	Bottom Depth (ftKB) 5,750.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 275	Class PREMLITE II	Estimated Top (ftKB) 40.0
Fluid Description 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed		Fluid Type Tail	Amount (sacks) 400	Class 50/50 POZ	Estimated Top (ftKB) 2,500.0

**Tubing Strings**

Tubing Description		Run Date		Set Depth (ftKB)				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Blm (ftKB)
Tubing		10/24/2014				3,831.5		
Tubing	121	2 7/8	2.441	6.50	J-55	3,803.40	12.0	3,815.4
Pump Seating Nipple	1	2 7/8	2.270			1.10	3,815.4	3,816.5
On-Off Tool	1	4.515	1.875			1.80	3,816.5	3,818.3
Packer	1	4 5/8	2.441			6.95	3,818.3	3,825.3
Cross Over	1	3.635	1.991			0.50	3,825.3	3,825.8
Tubing Pup Joint	1	2 3/8	1.991			4.11	3,825.8	3,829.9
Nipple	1	2 3/8	1.875			1.65	3,829.9	3,831.5

**Rod Strings**

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

**Perforation Intervals**

Stage#	Zone	Top (ftKB)	Blm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
5	GB2, Original Hole	3,878	3,886	4			4/1/2008
4	GB6, Original Hole	3,949	3,956	4			4/1/2008
3	D2, Original Hole	4,520	4,532	4			4/1/2008
2	B1, Original Hole	4,693	4,702	4			4/1/2008
1	CP.5, Original Hole	5,272	5,278	4			4/1/2008

**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)
5	1,618	0.85	23.6	2,093			
2	1,884	0.83	23.7	2,021			
4	1,640	0.85	23.6	1,966			
1	2,956	0.99	23.4	3,399			
3	2,107	0.9	23.4	3,407			

**Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
5		Proppant White Sand 31997 lb
2		Proppant White Sand 60062 lb
4		Proppant White Sand 29694 lb
1		Proppant White Sand 15319 lb
3		Proppant White Sand 35229 lb



# Job Detail Summary Report

**Well Name: Federal 8-24-9-16**

Primary Job Type Conversion	Job Start Date 10/21/2014	Job End Date 10/27/2014
--------------------------------	------------------------------	----------------------------

**Daily Operations**

Report Start Date 10/21/2014	Report End Date 10/21/2014	24hr Activity Summary MIRU
Start Time 12:00	End Time 13:15	Comment DISCONNECT AUTOMATION EQUIPMENT, SPOT RIG, RU RIG. PUMP 50 BBLS WATER DOWN CSG @ 250 F.
Start Time 13:15	End Time 13:45	Comment UNHANG RODS AND HORSES HEAD.
Start Time 13:45	End Time 14:30	Comment UNSEAT PUMP AND PULL HIGH, RU HOT OILER, FLUSH TBG WITH 40 BBLS WATER.
Start Time 14:30	End Time 14:45	Comment SOFT SEAT AND PT TBG TO 3000 PSI, GOOD TEST
Start Time 14:45	End Time 17:45	Comment POOH WITH RODS LD ON TRAILER, LD SINKER BARS AND PUMP.
Start Time 17:45	End Time 18:00	Comment SWIFN, CLEAN LOCATION, SDFN
Start Time 18:00	End Time 19:30	Comment Travel time
Report Start Date 10/22/2014	Report End Date 10/22/2014	24hr Activity Summary will nu bop, pooh with tbg breaking and doping collars, ld excess tbg, th with tbg and pt tbg tomorrow.
Start Time 05:30	End Time 07:00	Comment Travel time
Start Time 07:00	End Time 08:30	Comment CHECK TBG AND CSG PRESSURE, TBG 10 PSI, CSG 100 PSI, BD WELL. RD FLOW LINE, ND WH, HAD TO FIGHT TO RELEASE TAC, FINALLY GOT TAC RELEASED, FUNCTION TEST AND NU BOP. RU WORK FLOOR.
Start Time 08:30	End Time 13:30	Comment POOH WITH TBG BREAKING EVERY CONNECTION, CLEANING AND INSPECTING THREADS FOR DAMAGE, APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT, LD EXCESS TBG FROM BOTTOM OF STRING OUT, LD EXCESS TBG FROM BOTTOM OF STRING ON GROUND. TBG WAS DIRTY, FLUSH TBG WITH 30 BBLS WATER FIRST FLUSH, 20 BBLS WATER SECOND FLUSH.
Start Time 13:30	End Time 14:45	Comment PUMU PACKER ASSY, TH WITH PACKER AND 121 JNTS TBG.
Start Time 14:45	End Time 17:00	Comment PUMP 10 BBLS PAD AND DROP S.V. PUMP TO PSN, PRESSURE UP TBG TO 3000 PSI, START TIMER.FAILED TEST. BUMP UP AND RE TEST, NEVER GOT A GOOD TEST.
Start Time 17:00	End Time 18:30	Comment SWIFN, CLEAN LOCATION, SDFN
Start Time 18:30	End Time 18:30	Comment Travel time
Report Start Date 10/23/2014	Report End Date 10/23/2014	24hr Activity Summary finish pt tbg fish s.v. and nd bop. roll packer fluid and pt csg tomorrow
Start Time 05:30	End Time 07:00	Comment Travel time



Well Name: Federal 8-24-9-16

### Job Detail Summary Report

Start Time	07:00	End Time	09:15	Comment
Start Time	09:15	End Time	10:00	Comment
Start Time	10:00	End Time	10:30	Comment
Start Time	10:30	End Time	11:15	Comment
Start Time	11:15	End Time	11:30	Comment
Start Time	11:30	End Time	17:00	Comment
Start Time	17:00	End Time	18:30	Comment
Report Start Date	10/24/2014	Report End Date	10/24/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	Comment
Start Time	07:00	End Time	11:00	Comment
Start Time	11:00	End Time	12:15	Comment
Start Time	12:15	End Time	13:00	Comment
Report Start Date	10/27/2014	Report End Date	10/27/2014	24hr Activity Summary
Start Time	12:30	End Time	13:00	Comment

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-15855
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 8-24-9-16
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. API NUMBER:</b> 43013330860000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2148 FNL 0763 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 24 Township: 09.0S Range: 16.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/27/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The above reference well was put on injection at 2:00 PM on  
01/27/2015.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
January 29, 2015**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/28/2015	



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

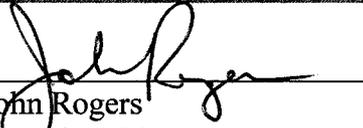
Cause No. UIC-426

**Operator:** Newfield Production Company  
**Well:** Federal 8-24-9-16  
**Location:** Section 24, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33086  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 25, 2014.
2. Maximum Allowable Injection Pressure: 1,593 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,739' – 5,695')
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

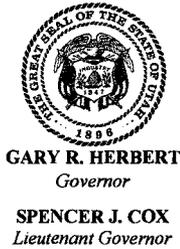
1-22-15  
Date

JR/MLR/js

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

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





# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

September 25, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 8-24-9-16, Section 24, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33086

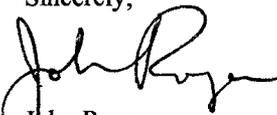
Newfield Production Company:

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 3,739 feet in the Federal 8-24-9-16 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,



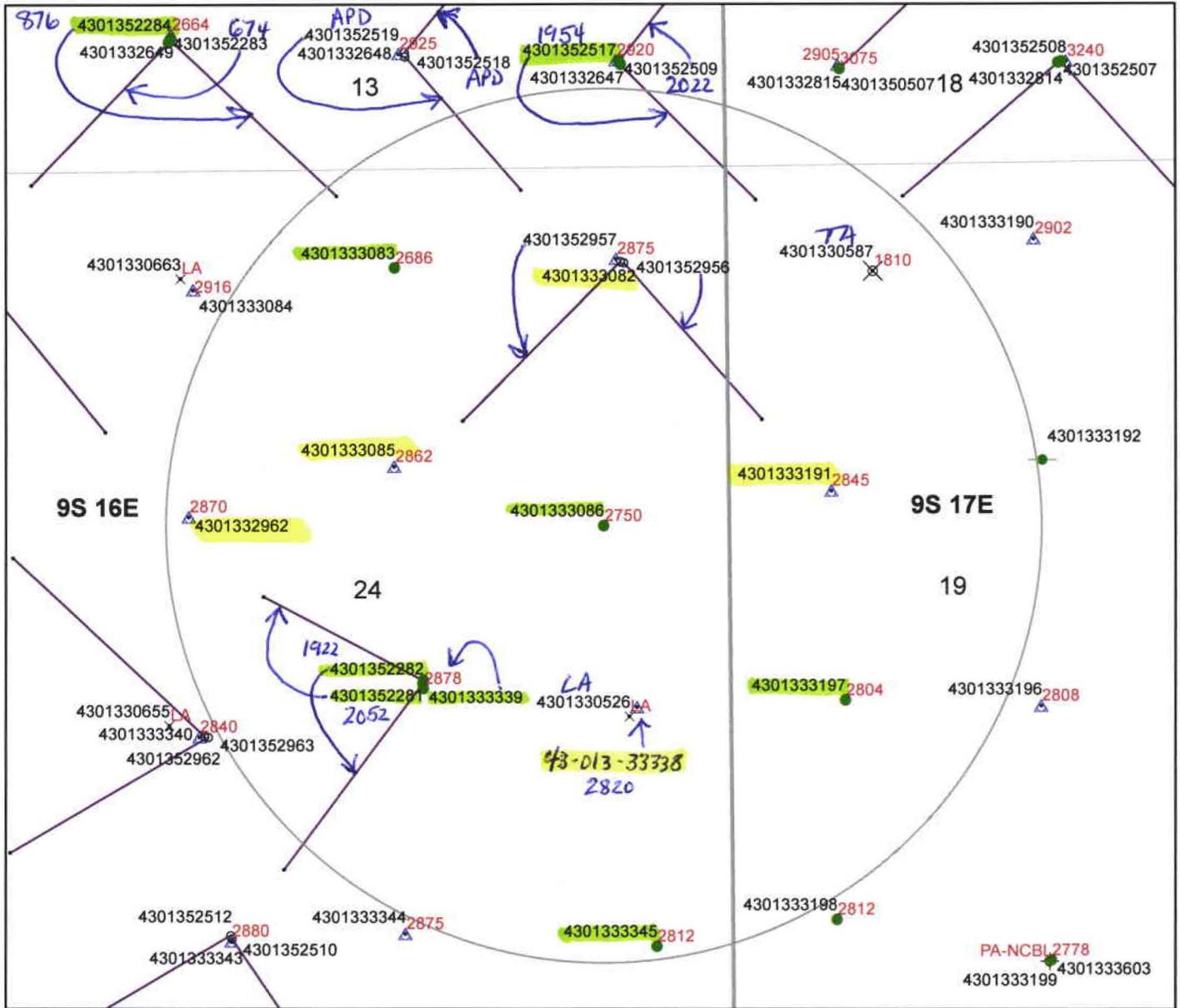
John Rogers  
Associate Director

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
- <sub>GS</sub> GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊗ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊗ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊗ WDW-Water Disposal Well
- △ WW-Water Injection Well
- WSW-Water Supply Well

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

**Cement Bond Tops  
Federal 8-24-9-16  
API #43-013-33086  
UIC-426.6**

*(updated 1/14/2015)*



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

**Applicant:** Newfield Production Company      **Well:** Federal 8-24-9-16

**Location:** 24/9S/16E      **API:** 43-013-33086

**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 333 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,739 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to at least 2,750 feet or higher. A 2 7/8 inch tubing with a packer is proposed to be set at 3,828 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 (1/14/2015), based on surface locations, there are 7 producing wells, 5 injection wells, and 1 temporarily abandoned 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. In addition, there are 2 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location outside the AOR for a directional well to be drilled to a bottom hole location inside the AOR. All 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 1500 feet. Injection shall be limited to the interval between 3,739 feet and 5,695 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-24-9-16 well is 0.85 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,593 psig. The requested maximum pressure is 1,593 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 8-24-9-16**  
**page 2**

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

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date: 9/24/2014 (revised 1/14/2015)

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**  
WWW.SLTTRIB.COM

**MEDIAOne**  
OF UTAH  
A NEWSPAPER AGENCY COMPANY  
WWW.MEDIAONEUTAH.COM

**Deseret News**  
WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMPLE STE 1210  SALT LAKE CITY UT 84116	9001402352	8/25/2014

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / I
8015385340	0000978171 /
SCHEDULE	
Start 08/23/2014	End 08/23/2014
CUST. REF. NO.	
UIC-426	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT C	
SIZE	
76 Lines	2.00 CO
TIMES	R
3	
MISC. CHARGES	AD CH
	TOTAL
	26

**BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-426**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 19, 21, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, 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 2-25-9-15 well located in NW/4 NE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32883  
Ashley Federal 10-26-9-15 well located in NW/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32903  
Federal 10-19-9-16 well located in NW/4 SE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33159  
Federal 10-21-9-16 well located in NW/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33110  
Federal 12-21-9-16 well located in NW/4 SW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33143  
Federal 8-24-9-16 well located in SE/4 NE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33086  
Federal 10-24-9-16 well located in NW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33339

The proceeding will be conducted in accordance with Utah Admn. 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 20th day of August, 2014.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager

AFFIDAVIT OF PUBLICATION

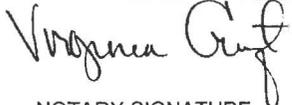
AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES** **CAUSE NO. UIC-426 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING,** WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 08/23/2014 End 08/23/2014

SIGNATURE 

DATE 8/25/2014

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

  
NOTARY SIGNATURE

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

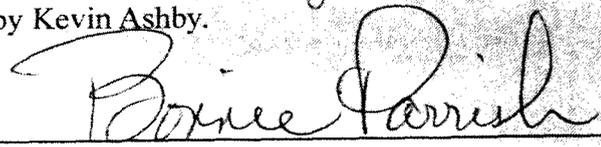
# AFFIDAVIT OF PUBLICATION

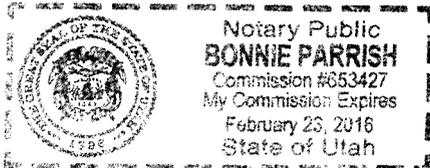
County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 26 day of August, 2014, and that the last publication of such notice was in the issue of such newspaper dated the 26 day of August, 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  
27 day of August, 2014

by Kevin Ashby.  
  
\_\_\_\_\_  
Notary Public



Range 16 East  
API 43-013-33143  
Federal 8-24-9-16  
well located in SE/4  
NE/4, Section 24,  
Township 9 South,  
Range 16 East  
API 43-013-33086  
Federal 10-24-9-16  
well located in NW/4  
SE/4, Section 24,  
Township 9 South,  
Range 16 East  
API 43-013-33339  
The proceeding  
will be conducted in  
accordance with Utah  
Admin. R649-10,  
Administrative Proce-  
dures.

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.

**NOTICE OF  
AGENCY  
ACTION  
CAUSE NO.  
UIC-426**

BEFORE THE  
DIVISION OF OIL,  
GAS AND MINING,  
DEPARTMENT OF  
NATURAL RE-  
SOURCE, STATE  
OF UTAH

IN THE MAT-  
TER OF THE  
APPLICATION  
OF NEWFIELD  
PRODUCTION  
COMPANY FOR  
ADMINISTRATIVE  
APPROVAL OF  
CERTAIN WELLS

Dated this 20th day  
of August, 2014.  
STATE OF UTAH  
DIVISION OF  
OIL, GAS & MIN-  
ING  
/s/

Brad Hill  
Permitting Man-  
ager  
Published in the  
Uintah Basin Stan-  
dard August 26, 2014.

LOCATED IN SEC-  
TIONS 25 AND  
26, TOWNSHIP 9  
SOUTH, RANGE 15  
EAST, AND SEC-  
TIONS 19, 21, AND  
24, 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,  
1001 17th Street,  
Suite 2000, Denver,  
Colorado 80202, tele-  
phone 303-893-0102,  
for administrative  
approval of the fol-  
lowing wells located  
in Duchesne County,  
Utah, for conversion  
to Class II injection  
wells:

- Greater Monument  
Bute Unit
- Ashley Federal  
2-25-9-15 well lo-  
cated in NW/4 NE/4,  
Section 25, Township  
9 South, Range 15  
East
- API 43-013-32883  
Ashley Federal 10-  
26-9-15 well located  
in NW/4 SE/4, Sec-  
tion 26, Township 9  
South, Range 15 East
- API 43-013-32903  
Federal 10-19-9-16  
well located in NW/4  
SE/4, Section 19,  
Township 9 South,  
Range 16 East
- API 43-013-33159  
Federal 10-21-9-16  
well located in NW/4  
SE/4, Section 21,  
Township 9 South,  
Range 16 East
- API 43-013-33110  
Federal 12-21-9-16  
well located in NW 4

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-426

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 19, 21, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33339

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

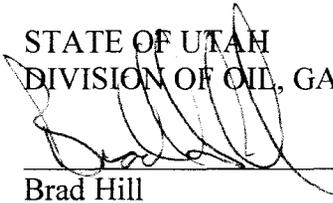
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P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 20th day of August, 2014.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



---

Brad Hill  
Permitting Manager

**Newfield Production Company**

**ASHLEY FEDERAL 2-25-9-15, ASHLEY FEDERAL 10-26-9-15,  
FEDERAL 10-19-9-16, FEDERAL 10-21-9-16, FEDERAL 12-21-9-16,  
FEDERAL 8-24-9-16, FEDERAL 10-24-9-16**

**Cause No. UIC-426**

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

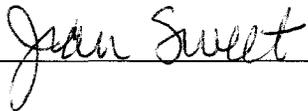
Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
Via e-mail [ubslegals@ubmedia.biz](mailto:ubslegals@ubmedia.biz)

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](mailto: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*

August 21, 2014

Via e-mail: [ubslegals@ubmedia.biz](mailto:ubslegals@ubmedia.biz)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-426

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



Jean Sweet <jsweet@utah.gov>

---

## Legal Notice

1 message

---

**Bonnie Parrish** <bparrish@ubmedia.biz>

Fri, Aug 22, 2014 at 9:14 AM

To: jsweet@utah.gov

Jean,

The legal notice for Newfield Cause No. UIC-426 will run on August 26th.

Thanks,

—

Bonnie Parrish  
Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066  
bparrish@ubmedia.biz  
Phone: 435-722-5131  
Fax: 435-722-4140



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*

August 21, 2014

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

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-426

To Whom It May Concern:

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

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

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

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**Order Confirmation for Ad #0000978171-01**

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

<b>Total Amount</b>	<b>\$260.36</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$260.36</b>	0	0	1
<b>Payment Method</b>		<b>PO Number</b>	UIC-426	

**Confirmation Notes:**  
Text: Jean

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	2.0 X 76 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	8/23/2014	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
<b>Scheduled Date(s):</b>	8/23/2014	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	8/23/2014	

**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-426

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 19, 21, AND 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, 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 2-25-9-15 well located in NW/4 NE/4, Section 25, Township 9 South, Range 15 East  
API 43-013-32883  
Ashley Federal 10-26-9-15 well located in NW/4 SE/4, Section 26, Township 9 South, Range 15 East  
API 43-013-32903  
Federal 10-19-9-16 well located in NW/4 SE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33159  
Federal 10-21-9-16 well located in NW/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33110  
Federal 12-21-9-16 well located in NW/4 SW/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33142  
Federal 8-24-9-16 well located in SE/4 NE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33086  
Federal 10-24-9-16 well located in NW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33339

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 20th day of August, 2014.  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/  
Brad Hill  
Permitting Manager

978171 UPAXIP

**NEWFIELD**



**Newfield Exploration Company**

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

August 6, 2014

RECEIVED

AUG 11 2014

DIV. OF OIL, GAS & MINING

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 #8-24-9-16  
Monument Butte Field, Lease #UTU-15855  
Section 24-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-24-9-16 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 #8-24-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-15855**  
**AUGUST 6, 2014**

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# FEDERAL 8-24-9-16

Spud Date: 2/25/08  
 Put on Production: 4/18/08  
 GL: 5603' KB: 5615'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

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

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts  
 DEPTH LANDED: 5739'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premlite II and 400 sx 50/50 Poz  
 CEMENT TOP: 40'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5216.48')  
 TUBING ANCHOR: 5228.48' KB  
 NO. OF JOINTS: 1 jts (31.42')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5262.70' KB  
 NO. OF JOINTS: 2 jts (62.90')  
 TOTAL STRING LENGTH: EOT @ 5327.15' KB

### FRAC JOB

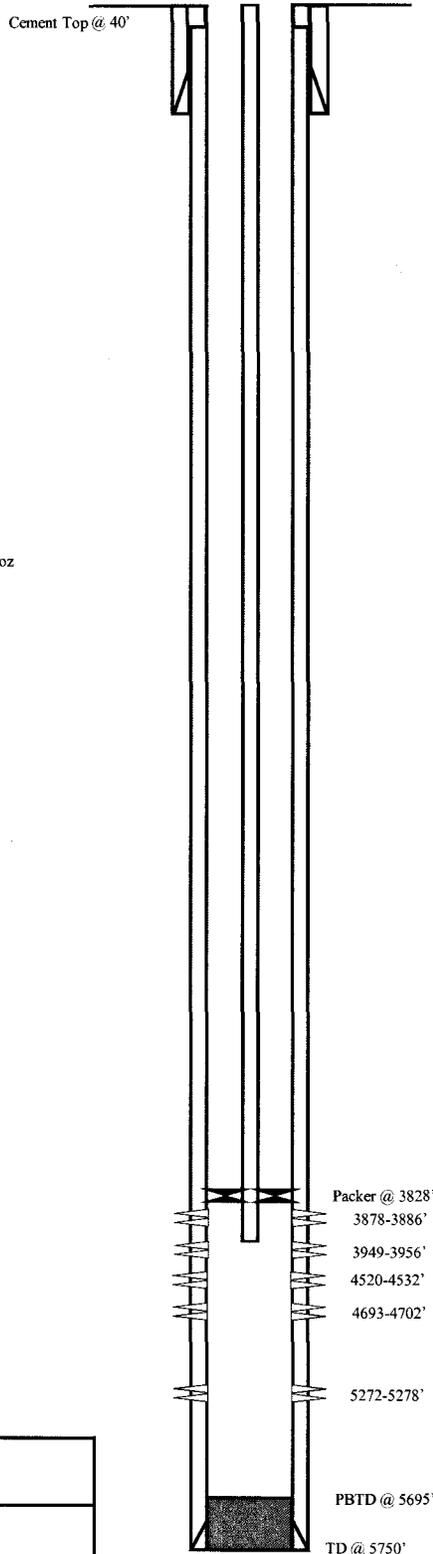
4/1/08 5272-5278' **Frac CP.5 sds as follows:**  
 15,319# 20/40 sand in 284 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2126 psi @ ave rate of 23.3 BPM. ISIP 2956 psi. Actual Flush: 4750 gal.

4/1/08 4693-4702' **Frac B1 sds as follows:**  
 60,062# 20/40 sand in 502 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1779 psi @ ave rate of 23.5 BPM. ISIP 1884 psi. Actual Flush: 4179 gal.

4/1/08 4520-4532' **Frac D2 sds as follows:**  
 35,229 20/40 sand in 407 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2972 psi @ ave rate of 21.1 BPM. ISIP 2107 psi. Actual Flush: 3986

4/1/08 3949-3956' **Frac GB6 sds as follows:**  
 29,694# 20/40 sand in 367 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1808 psi @ ave rate of 23.5 BPM. ISIP 1640 psi. Actual Flush: 3486 gal.

4/1/08 3878-3886' **Frac GB2 sds as follows:**  
 31,997#s of 20/40 sand in 369 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1932 psi @ ave rate of 23.5 BPM. ISIP 1618 psi. Actual Flush: 3822 gal.



### PERFORATION RECORD

4/1/08	3878-3886'	4 JSPF	32 holes
4/1/08	3949-3956'	4 JSPF	28 holes
4/1/08	4520-4532'	4 JSPF	48 holes
4/1/08	4693-4702'	4 JSPF	36 holes
3/31/08	5272-5278'	4 JSPF	24 holes

**NEWFIELD**

---

**FEDERAL 8-24-9-16**

2148' FNL & 763' FEL

SE/NE Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33086; Lease # UTU-15855

## WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

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

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

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

See Attachment A.

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

Approval is requested to convert the Federal #8-24-9-16 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 #8-24-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3739' - 5695'). 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 3419' and the TD is at 5750'.

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

The referenced log for the Federal #8-24-9-16 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-15855) 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 333' KB, and 5-1/2", 15.5# casing run from surface to 5739' 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 1593 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 #8-24-9-16, for existing perforations (3878' - 5278') calculates at 0.85 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 1593 psig. We may add additional perforations between 3419' and 5750'. 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 #8-24-9-16, the proposed injection zone (3739' - 5695') 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-14.

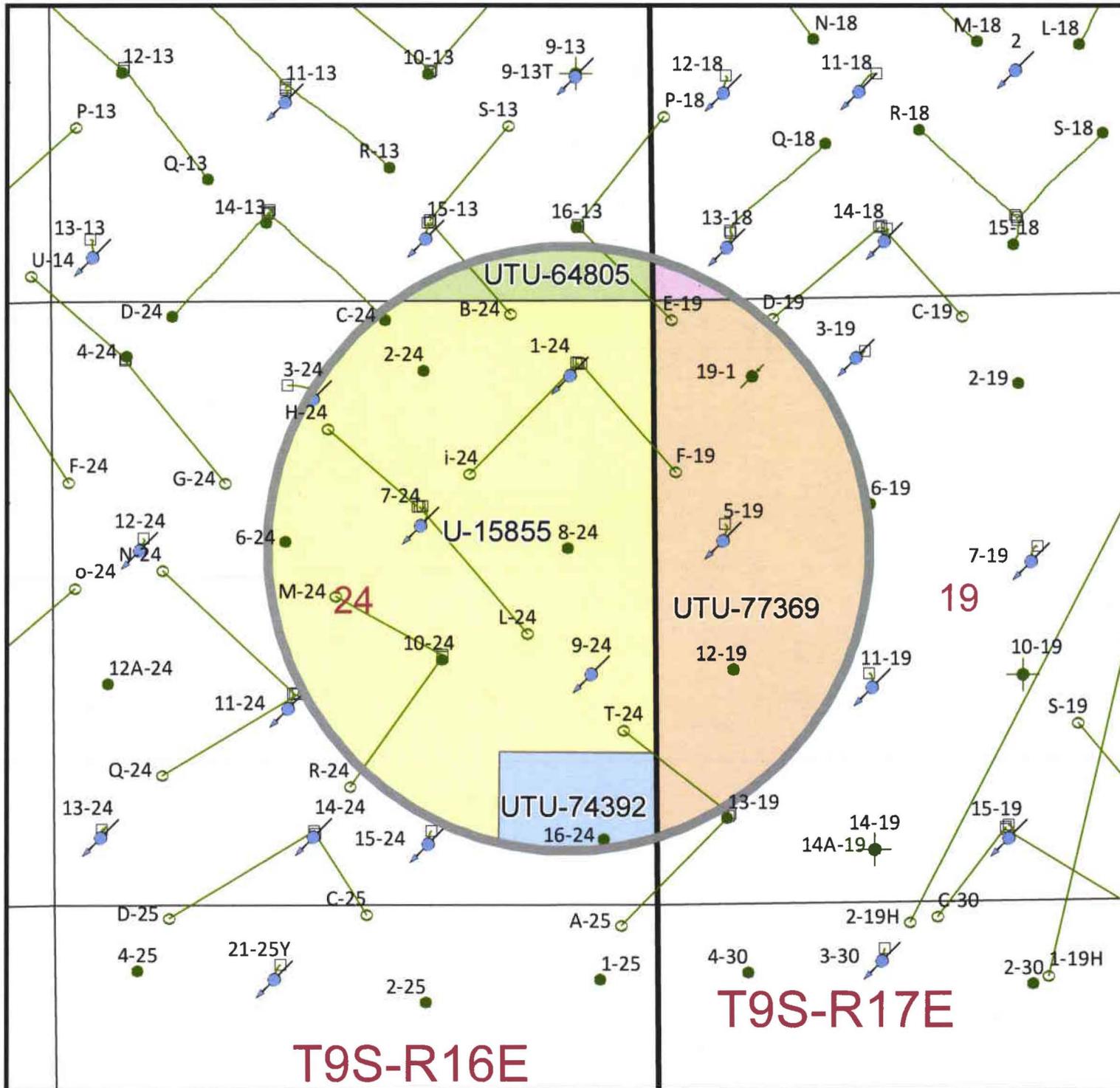
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure 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-15855
- UTU-64805
- UTU-72106
- UTU-74392
- UTU-77369

**Well Status**

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

Federal 8-24-9-16  
Section 24, T9S-R16E

**NEWFIELD**

ROCKY MOUNTAINS<sup>1</sup> in = 1,250 feet

**1/2 Mile Radius Map**

Duchesne County

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

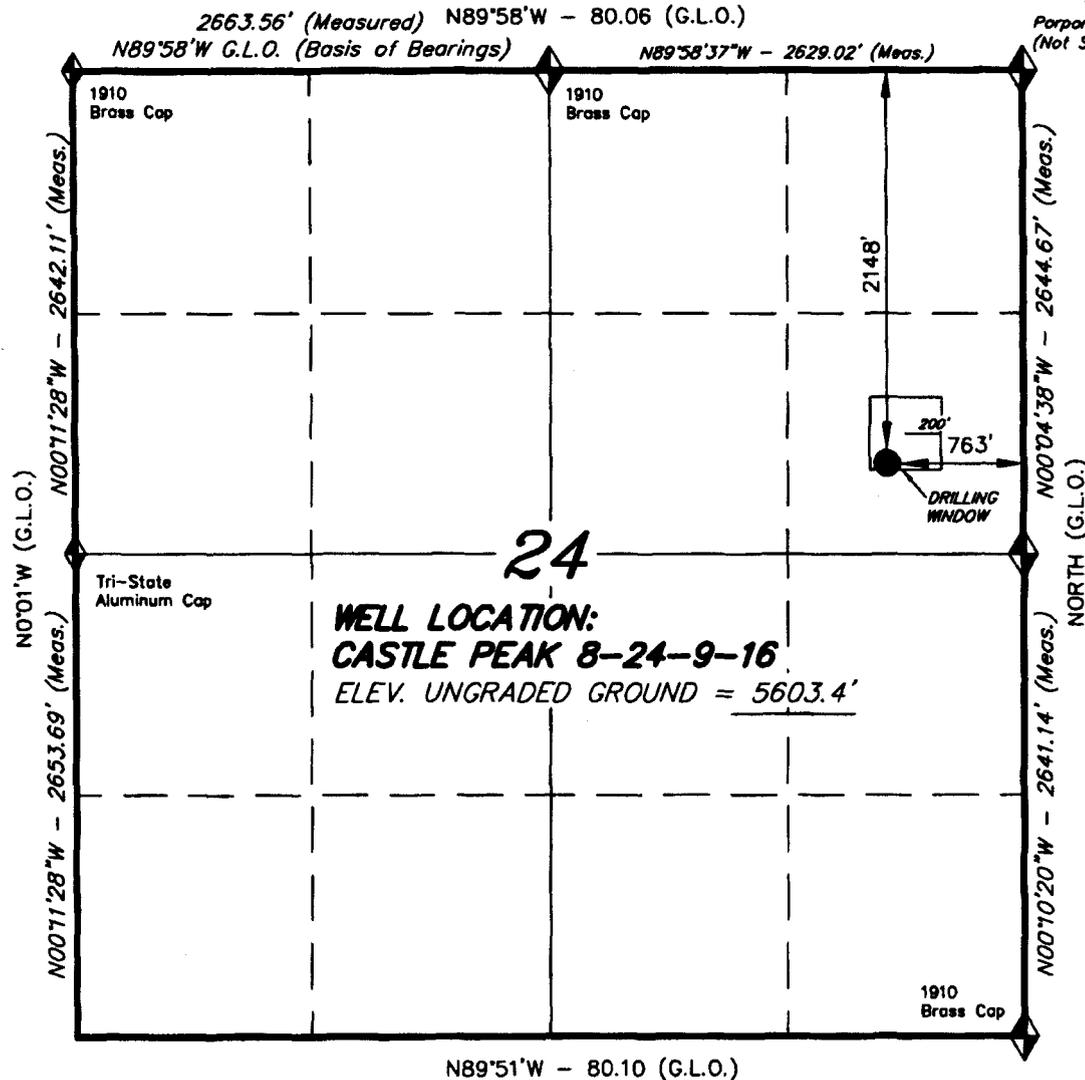
May 5, 2014

**T9S-R16E**

**T9S-R17E**

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

## NEWFIELD PRODUCTION COMPANY

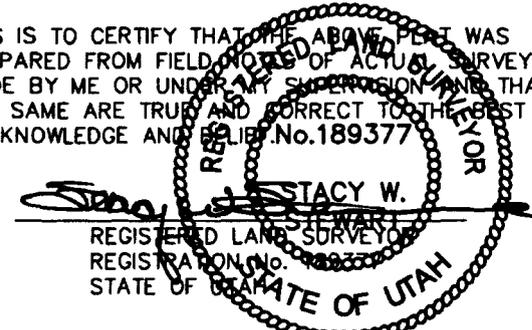


Proportioned  
(Not Set)

WELL LOCATION, CASTLE PEAK  
 8-24-9-16, LOCATED AS SHOWN IN  
 THE SE 1/4 NE 1/4 OF SECTION 24,  
 T9S, R16E, S.L.B.&M. DUCHESNE COUNTY,  
 UTAH.



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



◆ = SECTION CORNERS LOCATED

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

**CASTLE PEAK 8-24-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 01' 03.79"  
 LONGITUDE = 110° 03' 39.84"

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

DATE SURVEYED: 1-31-06	SURVEYED BY: C.M.
DATE DRAWN: 2-16-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-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
2	T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
3	T9S-R17E SLM Section 7: E2SW, SE Section 17: N2, W2SE Section 18: NENE, S2NE, E2W2, NESE, S2SE Lots 1,2,3,4	USA UTU-72106 HBP	Newfield Production Company Newfield RMI LLC	USA
4	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

5 T9S-R17E SLM  
Section 19: ALL  
Section 20: S2NE, W2, SE

USA  
UTU-77369  
HBP

Newfield Production Company  
Newfield RMI LLC

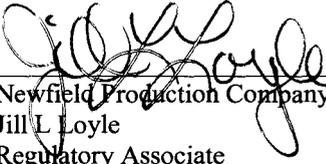
USA

ATTACHMENT C

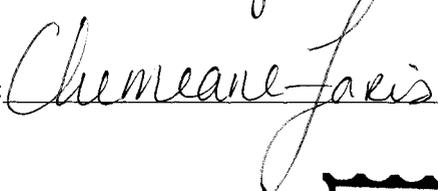
CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #8-24-9-16

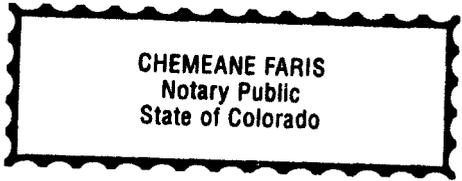
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Jill L. Loyle  
Regulatory Associate

Sworn to and subscribed before me this 6<sup>th</sup> day of August, 2014.

Notary Public in and for the State of Colorado: 

My Commission Expires: 12.14.15



## FEDERAL 8-24-9-16

Spud Date: 2/25/08  
 Put on Production: 4/18/08  
 GL: 5603' KB: 5615'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

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

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts  
 DEPTH LANDED: 5739'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premlite II and 400 sx 50/50 Poz  
 CEMENT TOP: 40'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5216.48')  
 TUBING ANCHOR: 5228.48' KB  
 NO. OF JOINTS: 1 jts (31.42')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5262.70' KB  
 NO. OF JOINTS: 2 jts (62.90')  
 TOTAL STRING LENGTH: EOT @ 5327.15' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rods  
 SUCKER RODS: 1-4' x 3/4" pony sub, 97-3/4" guided rods, 87-3/4" slick rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 16x 18' RHAC  
 STROKE LENGTH: 102'  
 PUMP SPEED, SPM: 5

#### FRAC JOB

4/1/08 5272-5278' **Frac CP.5 sds as follows:**  
 15,319# 20/40 sand in 284 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2126 psi @ ave rate of 23.3 BPM. ISIP 2956 psi. Actual Flush: 4750 gal.

4/1/08 4693-4702' **Frac B1 sds as follows:**  
 60,062# 20/40 sand in 502 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1779 psi @ ave rate of 23.5 BPM. ISIP 1884 psi. Actual Flush: 4179 gal.

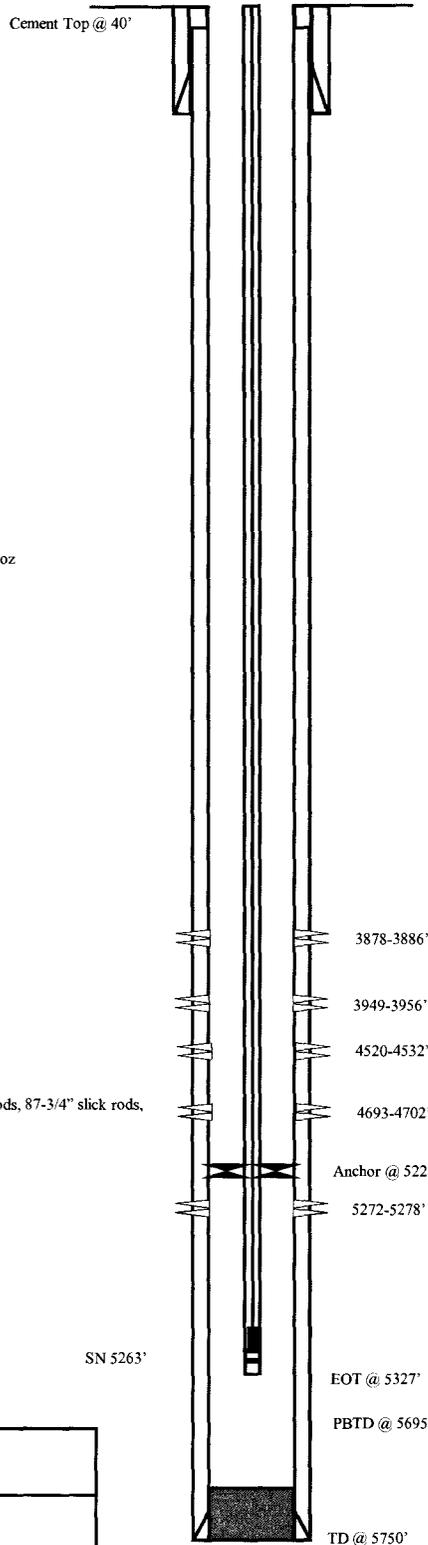
4/1/08 4520-4532' **Frac D2 sds as follows:**  
 35,229 20/40 sand in 407 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2972 psi @ ave rate of 21.1 BPM. ISIP 2107 psi. Actual Flush: 3986

4/1/08 3949-3956' **Frac GB6 sds as follows:**  
 29,694# 20/40 sand in 367 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1808 psi @ ave rate of 23.5 BPM. ISIP 1640 psi. Actual Flush: 3486 gal.

4/1/08 3878-3886' **Frac GB2 sds as follows:**  
 31,997#s of 20/40 sand in 369 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1932 psi @ ave rate of 23.5 BPM. ISIP 1618 psi. Actual Flush: 3822 gal.

#### PERFORATION RECORD

4/1/08	3878-3886'	4 JSPF	32 holes
4/1/08	3949-3956'	4 JSPF	28 holes
4/1/08	4520-4532'	4 JSPF	48 holes
4/1/08	4693-4702'	4 JSPF	36 holes
3/31/08	5272-5278'	4 JSPF	24 holes



**NEWFIELD**

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**FEDERAL 8-24-9-16**

2148'FNL & 763' FEL  
 SE/NE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33086; Lease # UTU-15855

Spud Date: 10-10-07  
 Put on Production: 11-5-07  
 GL: 5535' KB: 5547'

## Federal 1-24-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

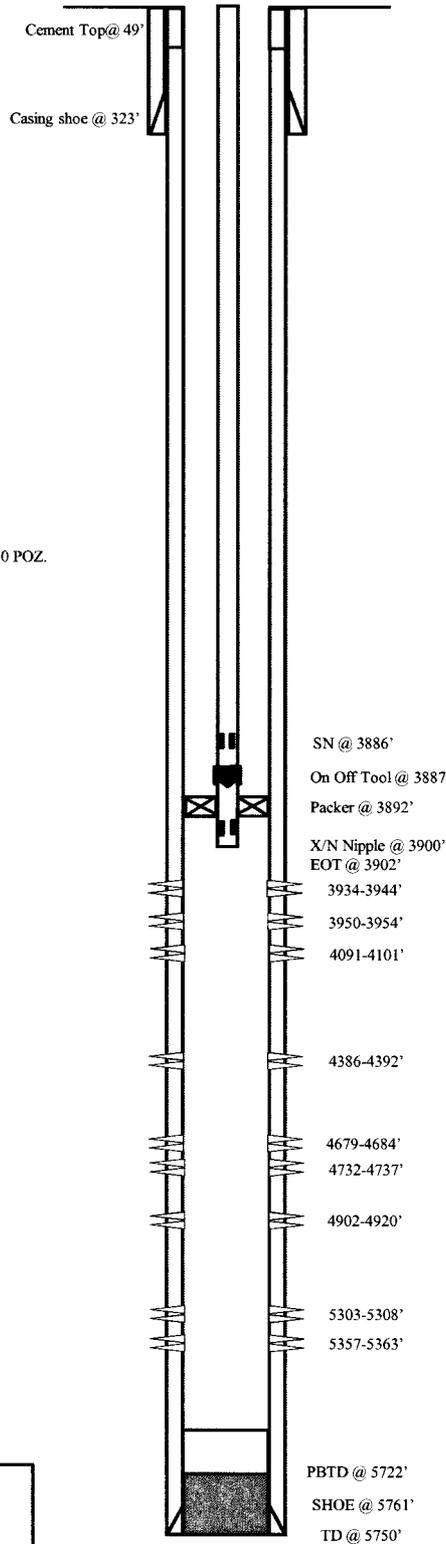
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311.69')  
 DEPTH LANDED: 323.45'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 148jts. (55748.15')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5761.4'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 49'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (3886.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3886' KB  
 ON/OFF TOOL AT: 3887.2'  
 ARROW #1 PACKER CE AT: 3892'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3895.9'  
 TBG PUP 2-3/8 J-55 AT: 3896.4'  
 X/N NIPPLE AT: 3900.5'  
 TOTAL STRING LENGTH: EOT @ 3902'



#### FRAC JOB

10-31-07 5303-5363' **Frac CP 1&2 sands as follows:**  
 Frac with 14554# 20/40 sand in 285 bbls Lightning 17 fluid. Treat at 2420 psi @ 24.8 BPM. ISIP 2020 psi.

10-31-07 4902-4920' **Frac A3 sands as follows:**  
 Frac with 89906# 20/40 sand in 691 bbls Lightning 17 fluid. Treat at 2070psi @ 24.8 BPM. ISIP 1785psi.

10-31-07 4386-4392' **Frac DS3 sands as follows:**  
 Frac with 25051# 20/40 sand in 339 bbls Lightning 17 fluid. Treat at 21300psi @ 24.8 BPM. ISIP 1920 psi.

10-31-07 4091-4101' **Frac PB8 sand as follows:**  
 Frac with 62099# 20/40 sand in 499 bbls Lightning 17 fluid. Treat at 2028 psi @ 24.8 BPM. ISIP 2110 psi.

11/26/12 3934-3954' **Frac GB6 sand as follows:**  
 Frac with 39227# 20/40 sand in 429 bbls Lightning 17 fluid.

11/27/2012 **Convert to Injection Well**

11/29/2012 **Conversion MIT Finalized - update tbg detail**

#### PERFORATION RECORD

4091-4101'	4 JSPF	40 holes
4386-4392'	4 JSPF	24 holes
4679-4684'	4 JSPF	20 holes
4732-4737'	4 JSPF	20 holes
4902-4920'	4 JSPF	72 holes
5303-5308'	4 JSPF	20 holes
5357-5363'	4 JSPF	24 holes
3934-3944'	3 JSPF	30 holes 11/21/12
3950-3954'	3 JSPF	12 holes 11/21/12

**NEWFIELD**

**Federal 1-24-9-16**  
 537' FNL & 671' FEL  
 NENE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33082; Lease #UTU-15855

## FEDERAL 2-24-9-16

Spud Date: 10/11/07  
 Put on Production: 10/16/07  
 GL: 5559' KB: 5571'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.63')  
 DEPTH LANDED: 322.48' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 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: 148 jts. (5720.99')  
 DEPTH LANDED: 5734.24' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 40'

#### TUBING

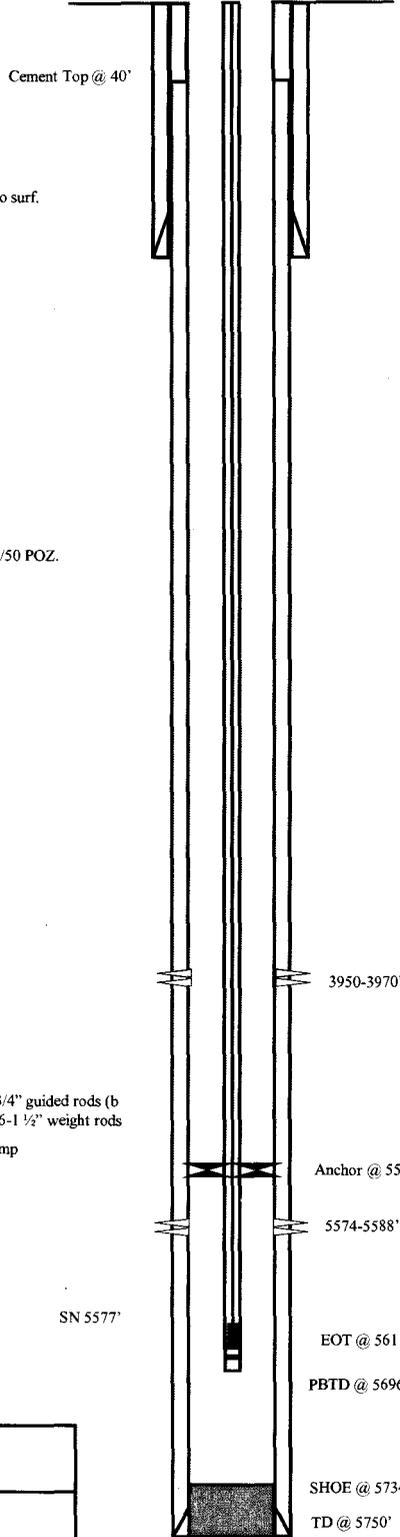
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173 jts (5543.7')  
 TUBING ANCHOR: 5555.65' KB  
 NO. OF JOINTS: 1 jts (30.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5577.4' KB  
 NO. OF JOINTS: 1 jts (31.6')  
 2 7/8" NC (.45')  
 TOTAL STRING LENGTH: EOT @ 5611' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
 SUCKER RODS: 1-8", 2-12", 1-2", 2-6"x3/4" pony rods, 100-3/4" guided rods (b grd), 76-3/4" plain rods (b grd), 20-3/4" guided rods (a grd), 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC rod pump  
 STROKE LENGTH: 76"  
 PUMP SPEED, 4.5 SPM:

#### FRAC JOB

11/09/07	5574-5588'	<b>Frac CP5 sands as follows:</b> 75968# 20/40 sand in 619 bbls Lightning 17 frac fluid. Treated @ avg press of 1986 psi w/avg rate of 23.2 BPM. ISIP 2173 psi. Calc flush: 5572 gal. Actual flush: 4998 gal.
11/09/07	3950-3970'	<b>Frac GB6 sands as follows:</b> 151571# 20/40 sand in 1011 bbl Lightning 17 frac fluid. Treated @ avg press of 1593 psi w/avg rate of 23.1 BPM. ISIP 1775 psi. Calc flush: 3948 gal. Actual flush: 3864 gal.
05/29/08		Pump change. Updated rod and tubing detail
6/11/08		pump change. Updated rod and tubing detail
2/4/2011		Pump Change. Update rod and tubing details.



#### PERFORATION RECORD

11/09/07	5574-5588'	4 JSPF	56 holes
11/09/07	3950-3970'	4 JSPF	80 holes

**NEWFIELD**

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**FEDERAL 2-24-9-16**

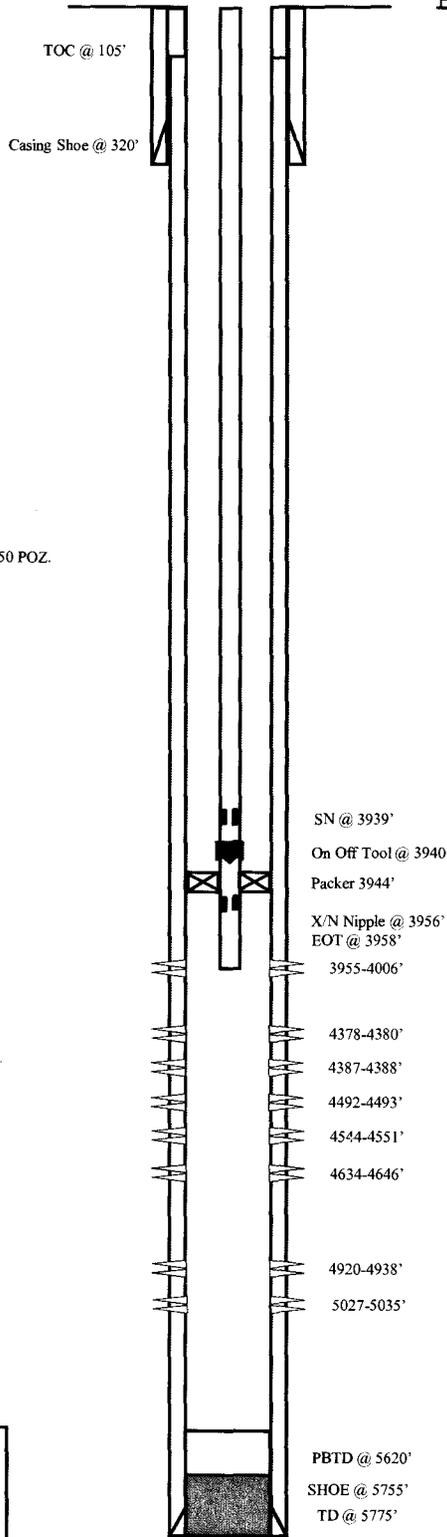
595' FNL & 2010' FEL  
 NW/NE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33083; Lease # UTU-15855

## Federal 3-24-9-16

Spud Date: 10-13-07  
 Put on Production: 11-21-07  
 GL: 5605' KB: 5617'

Initial Production: 56.4 BOPD,  
 25.0 MCFD, 34.3 BWPD

### Injection Wellbore Diagram



#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (311')  
 DEPTH LANDED: 320'  
 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: 148 jts. (5741.47') Includes Shoe It. (39.25')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5754.72'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 105'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 125 jts (3927.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3939.1' KB  
 ON/OFF TOOL AT: 3940.2'  
 ARROW #1 PACKER CE AT: 3944.09'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3948.9'  
 TBG PUP 2-3/8 J-55 AT: 3949.9'  
 X/N NIPPLE AT: 3956.1'  
 TOTAL STRING LENGTH: EOT @ 3958'

#### FRAC JOB

11-7-07 5027-5035' **Frac LODC sands as follows:**  
 15,380# 20/40 sand in 274 bbls Lightning  
 17 fluid. Treat at 3260 psi @ 22.5 BPM.  
 ISIP 2956 psi. Calc flush: 5025 gal.  
 Actual flush: 4519 gal.

11-16-07 4920-4938' **Frac A1 sands as follows:**  
 90,793# 20/40 sand in 690 bbls Lightning  
 17 fluid. Treat at 2002 psi @ 24.75  
 BPM. ISIP 2240 psi. Calc flush: 4918  
 gal. Actual flush: 4414 gal.

11-16-07 4634-4646' **Frac C sands as follows:**  
 Frac with 49,940 # 20/40 sand in 449  
 bbls Lightning 17 fluid. Treat at 1978 psi  
 @ 24.8 BPM. ISIP 1897 psi. Calc  
 flush: 4632 gal. Actual flush: 4129 gal.

11-16-07 4544-5441' **Frac D2 sand as follows:**  
 Frac with 14,138# 20/40 sand in 261  
 bbls Lightning 17 fluid. Treat at 2280psi  
 @ 24.9 BPM. ISIP 1934 psi. Calc  
 flush: 4542 gal. Actual flush: 3952 gal.

11-16-07 3995-4006' **Frac GB-6 sands as follows:**  
 Frac with 38,509# 20/40 sand in 377  
 bbls Lightning 17 fluid. Treat at 1729 psi  
 @ 24.8 BPM. ISIP 1934 psi. Calc  
 flush: 3993 gal. Actual flush: 4032 gal.

7/6/09 **Major Workover.** Updated rod & tubing  
 detail.

5/4/2010 **Tubing leak.** Updated rod and tubing  
 detail.

6/9/2011 **Tubing leak.** Updated rod & tubing  
 detail.

10/08/12 4378-4493' **Frac D1 & DS1 sands as follows:**  
 Frac with 29832# 20/40 sand in 362  
 bbls Lightning 17 fluid.

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

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

#### PERFORATION RECORD

3995-4006'	4 JSPF	44 holes
4544-4551'	4 JSPF	28 holes
4634-4646'	4 JSPF	48 holes
4920-4938'	4 JSPF	72 holes
5027-5035'	4 JSPF	32 holes
10/04/12 4492-4493'	3 JSPF	3 holes
10/04/12 4387-4388'	3 JSPF	3 holes
10/04/12 4378-4380'	3 JSPF	6 holes



**Federal 3-24-9-16**  
 722' FNL & 2063' FWL  
 NENW Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33084; Lease #UTU-15855

**NEWFIELD**

**Schematic**

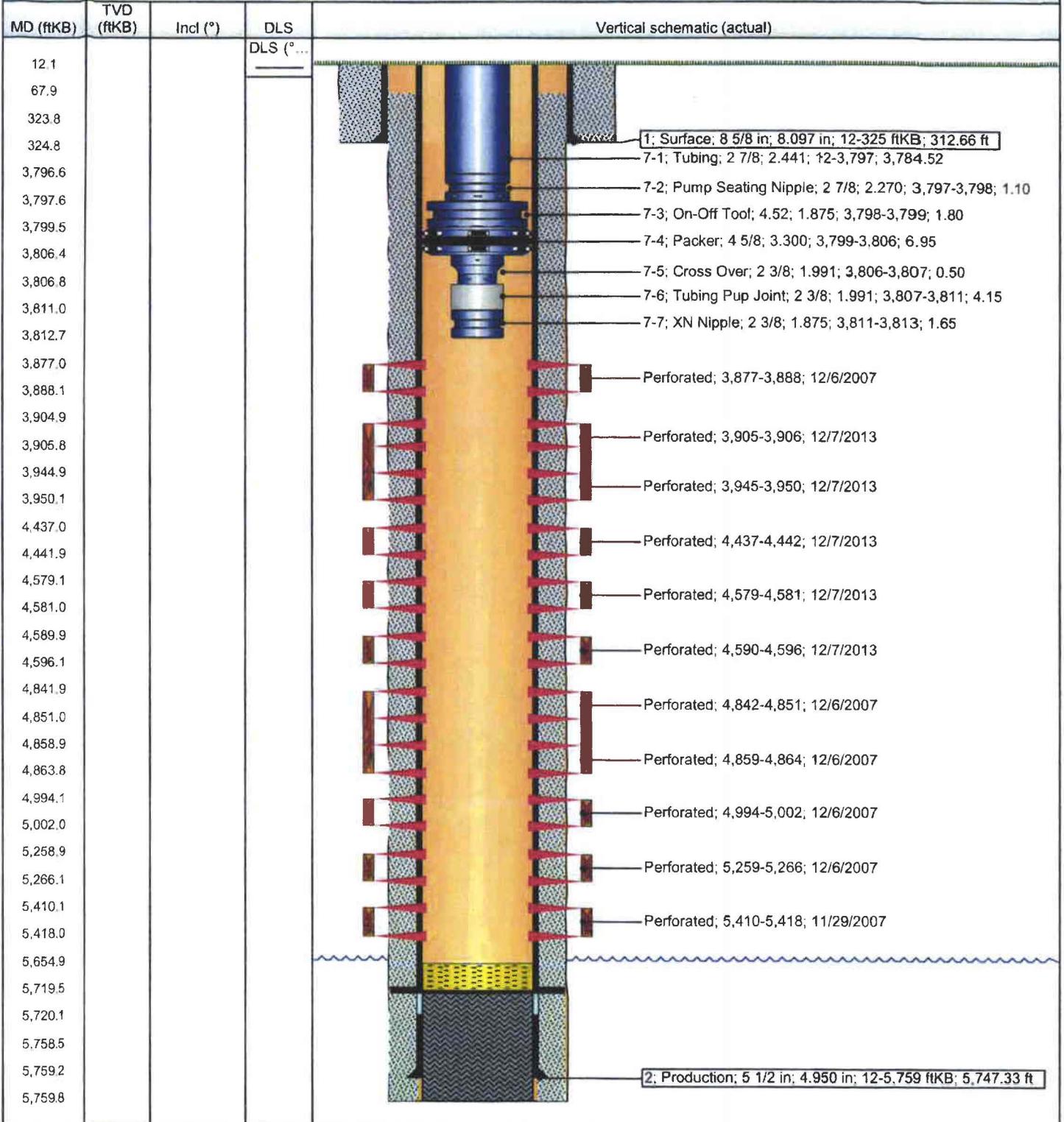
43-013-32962

Well Name: Federal 6-24-9-16

Surface Legal Location 24-9S-16E		APUWVI 43013329620000	Well RC 500158994	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 11/2/2007	Rig Release Date 11/18/2007	On Production Date 12/12/2007	Original KB Elevation (ft) 5,623	Ground Elevation (ft) 5,611	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,719.5

<b>Most Recent Job</b>				Job Start Date 10/16/2014	Job End Date 10/21/2014
Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic			

TD: 5,760.0 Vertical - Original Hole, 10/22/2014 7:45:14 AM



## FEDERAL 7-24-9-16

Spud Date: 10/08/07  
 Put on Production: 11/29/07  
 GL: 5582' KB: 5594'

### Injection Wellbore Diagram

#### SURFACE CASING

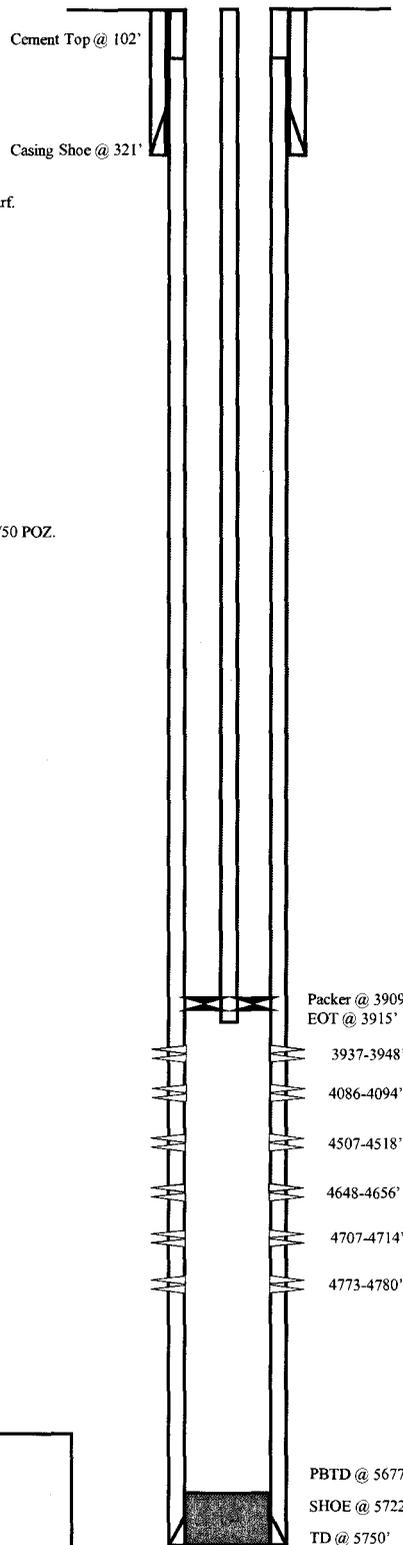
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.36')  
 DEPTH LANDED: 320.63' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, sxs Class "G" cmt, 7 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5708.82')  
 DEPTH LANDED: 5722.07' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 102'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 130 jts (3891.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3903.9' KB  
 ON/OFF TOOL AT: 3905.0'  
 PACKER CE @ 3909.59'  
 XN NIPPLE: 3914'  
 TOTAL STRING LENGTH: EOT @ 3915' KB



#### FRAC JOB

11/28/07	4773-4780'	<b>Frac A.5 sands as follows:</b> 17251# 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2409 psi w/avg rate of 23 BPM. ISIP 2414 psi. Calc flush: 4771 gal. Actual flush: 4326 gal.
11/28/07	4707-4714'	<b>Frac B2 sands as follows:</b> 14724# 20/40 sand in 259 bbls Lightning 17 frac fluid. Treated @ avg press of 2302 psi w/avg rate of 23 BPM. ISIP 2046 psi. Calc flush: 4705 gal. Actual flush: 4242 gal.
11/28/07	4648-4656'	<b>Frac B1 sands as follows:</b> 34965# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 2184 psi w/avg rate of 23 BPM. ISIP 2285 psi. Calc flush: 4646 gal. Actual flush: 4200 gal.
11/28/07	4507-4518'	<b>Frac D3 sands as follows:</b> 19882# 20/40 sand in 289 bbls Lightning 17 frac fluid. Treated @ avg press of 2096 psi w/avg rate of 23 BPM. ISIP 1854 psi. Calc flush: 4505 gal. Actual flush: 3990 gal.
11/28/07	4086-4094'	<b>Frac PB8 sands as follows:</b> 39746# 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 2344 psi w/avg rate of 23 BPM. ISIP 2153 psi. Calc flush: 4084 gal. Actual flush: 3612 gal.
11/28/07	3937-3948'	<b>Frac GB6 sands as follows:</b> 9438# 20/40 sand in 219 bbls Lightning 17 frac fluid. Treated @ avg press of 2045 psi w/avg rate of 23 BPM. ISIP 1931 psi. Calc flush: 3935 gal. Actual flush: 3864 gal.
7/17/08		<b>Pump Change.</b> Updated rod and tubing detail
9/16/09		<b>Pump Change.</b> Updated rod & tubing details.
1/14/10		<b>Tubing Leak.</b> Updated rod and tubing detail.
07/03/12		<b>Convert to Injection Well</b>
07/10/12		<b>Conversion MIT Finalized</b> – update tbg detail

#### PERFORATION RECORD

4773-4780'	4 JSPF	28 holes
4707-4714'	4 JSPF	28 holes
4648-4656'	4 JSPF	32 holes
4507-4518'	4 JSPF	44 holes
4086-4094'	4 JSPF	32 holes
3937-3948'	4 JSPF	44 holes



**NEWFIELD**

**FEDERAL 7-24-9-16**

1790'FNL & 2019' FEL

SW/NE Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33085; Lease # UTU-15855

## FEDERAL 9-24-9-16

Spud Date: 2/27/08  
 Put on Production: 4/22/08  
 GL: 5566' KB: 5578'

### Injection Wellbore Diagram

#### SURFACE CASING

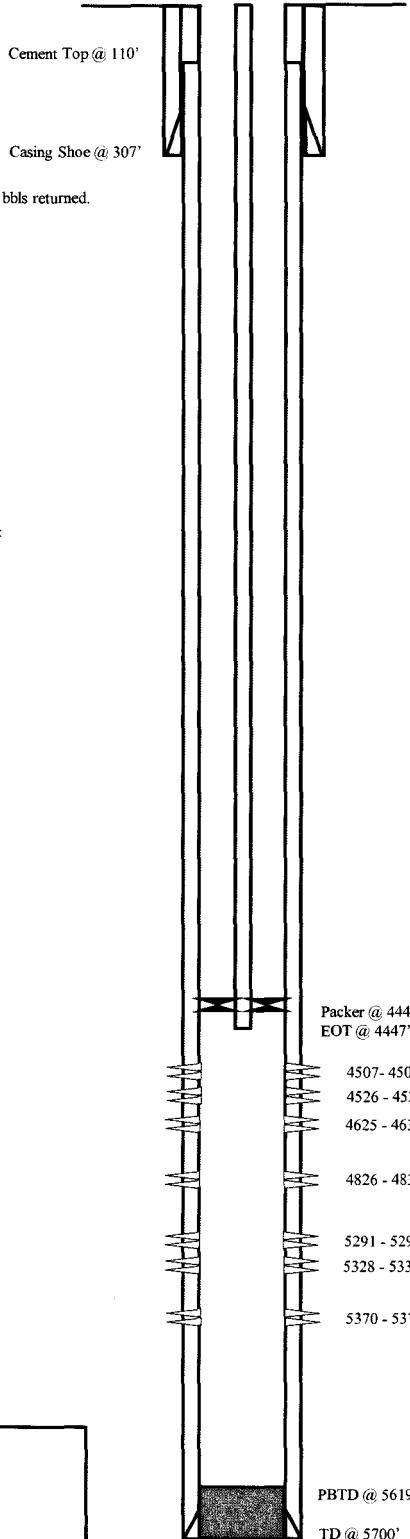
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (295.44')  
 DEPTH LANDED: 307.29'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sx Class "G" cmt 2 bbls returned.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 131 jts (5735.06) Includes Shoe Jt. (4231')  
 DEPTH LANDED: 5662.54'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premlite II and 400 sx 50/50 Poz  
 CEMENT TOP @ 110'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 141 jts (4429.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4441.1' KB  
 ON/OFF SKIRT: 4442.2'  
 X NIPPLE: 2-7/8 (0.4) @ 4443.6'  
 PACKER @ 4444'  
 TOTAL STRING LENGTH: EOT @ 4447' KB



#### FRAC JOB

4/11/08 5291-5298' **Frac CP sds as follows:** 30,370#s of 20/40 sand in 399 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1818 @ ave rate of 23.3 bpm w/ 6.5 ppg of sand. ISIP ws 1876. Actual Flush: 4788 gal.

4/11/08 4826-4834' **Frac A3 sds as follows:** 15,115#s of 20/40 sand in 273 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2593 @ ave rate of 23.2 bpm w/ 6.5 ppg of sand. ISIP ws 2180. Actual Flush: 4326 gal.

4/11/08 4625-4632' **Frac B1 sds as follows:** 18,870# 20/40 sand in 297 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1927 @ ave rate of 23.3 bpm w/ 6.5 ppg of sand. ISIP ws 1850. Actual Flush: 4356 gal.

8/2/09 **Tubing Leak.** Updated rod & tubing details.

2/20/10 **Tubing Leak.** Updated rod and tubing detail.

2/23/2010 **Tubing Leak.** Updated rod and tubing detail.

05/16/2012 **Tubing Leak.** Updated rod and tubing detail.

06/28/12 4507-4528' **Frac C sds as follows:** 30302#s of 20/40 sand in 414bbls of Lightning 17 frac fluid.

07/02/12 **Convert to Injection Well**

07/03/12 **Conversion MIT Finalized** – update tbg detail

#### PERFORATION RECORD

5370-5378'	4 JSPF	32 holes
5328-5336'	4 JSPF	32 holes
5291-5298'	4 JSPF	28 holes
4826-4834'	4 JSPF	32 holes
4625-4632'	4 JSPF	28 holes
4507-4508'	3 JSPF	3 holes
4526-4528'	3 JSPF	6 holes



**NEWFIELD**

**FEDERAL 9-24-9-16**

2024'FSL & 569' FEL

NE/SE Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33338; Lease # UTU-15855

## Federal 10-24-9-16

Spud Date: 02/28/08  
 Put on Production: 4/03/08  
 GL: 5619' KB: 5631'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (308.08')  
 DEPTH LANDED: 320.94'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

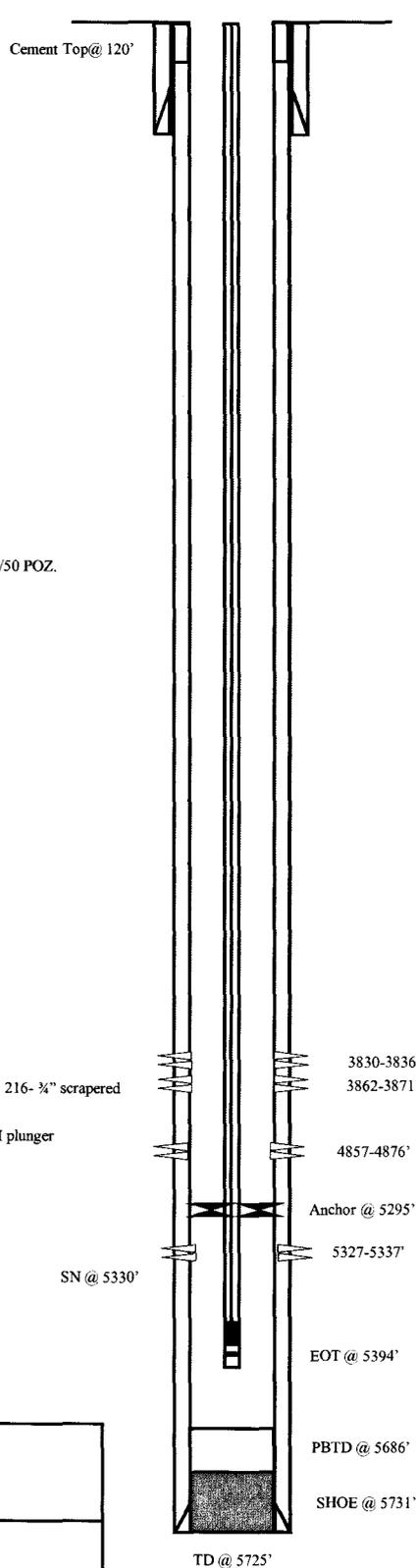
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132jts. (5761.15')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5730.96'  
 CEMENT DATA: 275 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 168 jts (5283.44')  
 TUBING ANCHOR: 5295.44'  
 NO. OF JOINTS: 1 jts (31.49')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5329.73' KB  
 NO. OF JOINTS: 2 jts (62.63')  
 TOTAL STRING LENGTH: EOT @ 5393.91' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
 SUCKER RODS: 1-2', 1-4', 1-6', 1-8' x 3/4" pony rods "B", 216- 3/4" scraped "B" rods, 6- 1 1/2" weight "B" rods  
 PUMP SIZE: 2-1/2" x 1-1/2" 12' x 18' RHAC pump w/ SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM:4



### FRAC JOB

3-28-08	5327-5337'	<b>Frac CP2 sands as follows:</b> Frac with 35352# 20/40 sand in 424bbbs Lightning 17 fluid. Treat with ave pressure of 1894 psi @ 23.4 BPM. ISIP 1833 psi.
3-28-08	4857-4876'	<b>Frac A3 sands as follows:</b> Frac with 120384# 20/40 sand in 867 bbbs Lightning 17 fluid. Treat with ave pressure of 1747psi @ 26 BPM. ISIP 2031psi.
3-28-08	3830-3836'	<b>Frac GB2 &amp; CB4 sands as follows:</b> Frac with 18427# 20/40 sand in 269 bbbs Lightning 17 fluid. Treat with ave pressure of 1791psi @ 23.4 BPM. ISIP 1700 psi.
9/3/09		Pump change. Updated rod & tubing details.

### PERFORATION RECORD

3830-3836'	4 JSPF	24 holes
3862-3871'	4 JSPF	36 holes
4857-4876'	4 JSPF	76 holes
5327-5337'	4 JSPF	40 holes

**NEWFIELD**

**Federal 10-24-9-16**  
 2138' FSL & 1861' FEL  
 NWSE Section 24 -T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33339; Lease #UTU-15855

## Federal 16-24-9-16

Spud Date: 03-10-08  
 Put on Production: 04-23-08  
 GL: 5607' KB: 5619'

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts (314.56')  
 DEPTH LANDED: 326.41'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, circ 3 bbls to surf.

#### PRODUCTION CASING

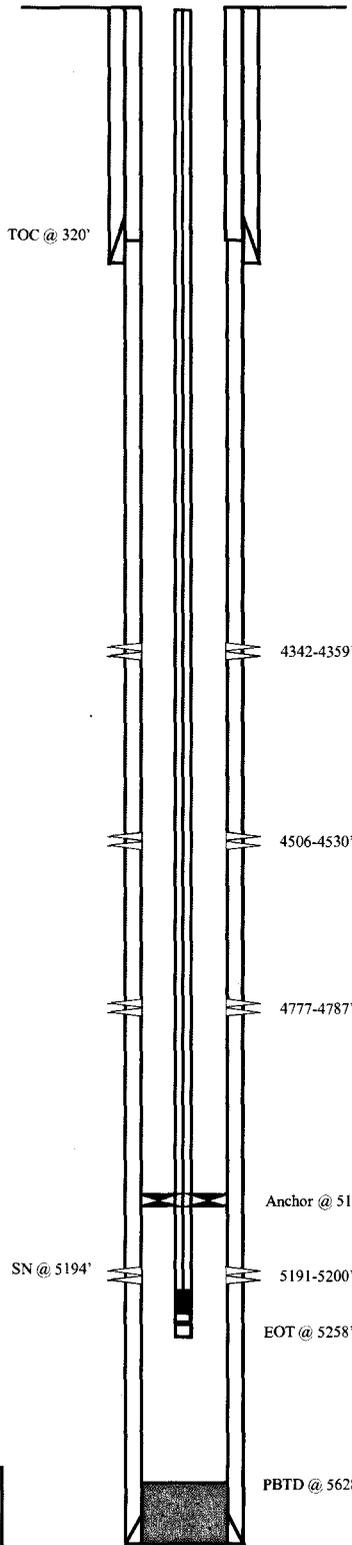
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 133 jts. (5659.85')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5672.1'  
 CEMENT DATA: 275 sxs Premlite II & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 320' per CBL 4/7/08

#### TUBING (GI 4/23/08)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 164 jts (5146.34')  
 TUBING ANCHOR: 5158.34'  
 NO. OF JOINTS: 1jt (32.42')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5193.51'  
 NO. OF JOINTS: 2 jts (62.84')  
 TOTAL STRING LENGTH: EOT @ 5257.9'

#### SUCKER RODS (GI 11/5/12)

POLISHED ROD: 26' x 1-1/2"  
 SUCKER RODS: 4', 6', 8' x 3/4" Pony Rods, 96 x 3/4" Guided Rods, 74 x 3/4" slick rods, 29 x 3/4" guided rods, 6 x 1" Stabilizer Pony, 6 x 1-1/2" Sinker Bars  
 PUMP SIZE: 2-1/2" x 1-1/4" x 10' x 14' x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 3.6  
 PUMPING UNIT: WEATHERFORD 228-213-86



#### FRAC JOB

Date	Interval	Description
04-15-08	5191-5200'	<b>Frac C1 sands as follows:</b> Frac with 29682 #'s of 20/40 sand in 400 bbls of Lightning 17 fluid. Treat at an ave pressure 2195 psi @ 23.3 BPM. ISIP 2600 psi.
04-15-08	4777-4787'	<b>Frac A1 sands as follows:</b> Frac with 54889 #'s of 20/40 sand in 492 bbls of Lightning 17 fluid. Treat at an ave pressure of 1930 psi @ 23.4 BPM. ISIP 2058 psi.
04-15-08	4506-4530'	<b>Frac C sands as follows:</b> Frac with 109721 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 1930 psi @ 23.1 BPM. ISIP 1810 psi.
04-15-08	4342-4359'	<b>Frac D1 sands as follows:</b> Frac with 56918 #'s of 20/40 sand in 516 bbls of Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 23.4 BPM. ISIP 2108 psi.

#### PERFORATION RECORD

Interval	JSPF	Holes
4342-4359'	4 JSPF	68 holes
4506-4530'	4 JSPF	96 holes
4777-4787'	4 JSPF	40 holes
5191-5200'	4 JSPF	36 holes

**NEWFIELD**

**Federal 16-24-9-16**  
 579' FSL & 466' FEL  
 SESE Section 24-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33345; Lease #UTU-74392

TD @ 5690'

## FEDERAL 5-19-9-17

Spud Date: 09/04/07  
 Put on Production: 10/23/07  
 GL: 5537' KB: 5549'

### Injection Wellbore Diagram

#### SURFACE CASING

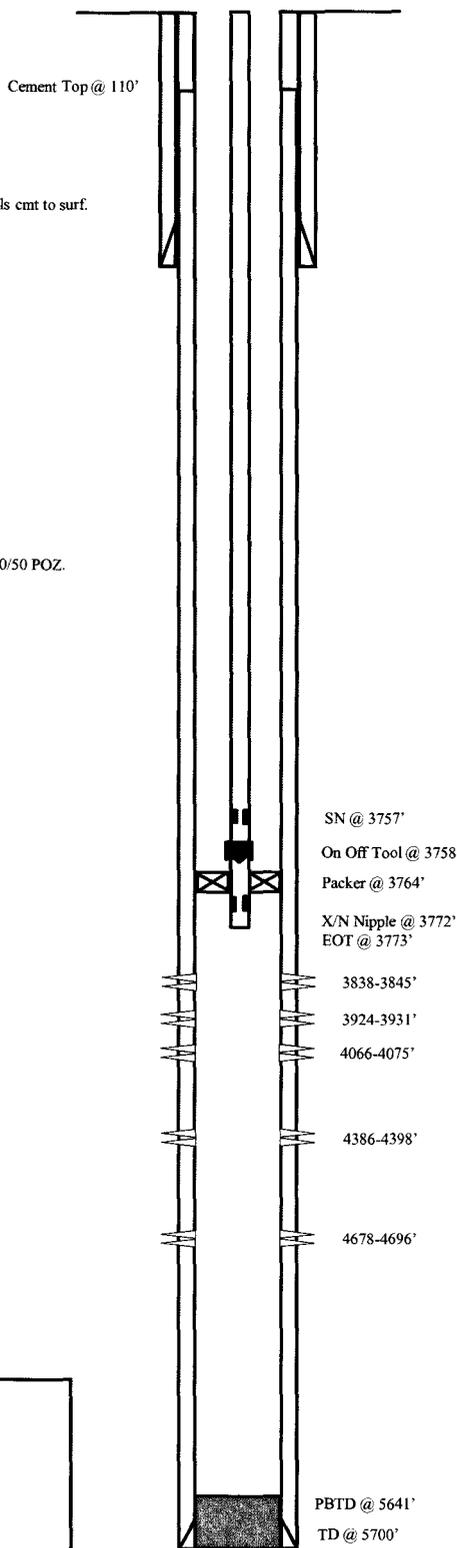
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (312.37')  
 DEPTH LANDED: 324.22' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 1- 160, 2-300 sxs Class "G" cmt, est 3 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (5666.19')  
 DEPTH LANDED: (5679.44') KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 378 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP: 110'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 121 jts (3745.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3757.2' KB  
 ON/OFF TOOL AT: 3758.3'  
 ARROW #1 PACKER CE AT: 3764.57'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3767.3'  
 TBG PUP 2-3/8 J-55 AT: 3767.8'  
 X/N NIPPLE AT: 413771.963.4'  
 TOTAL STRING LENGTH: EOT @ 3773.46'



#### FRAC JOB

10/18/07	4678-4696'	<b>Frac B2 sands as follows:</b> 110497# 20/40 sand in 834 bbls Lightning 17 frac fluid. Treated @ avg press of 1733 psi w/avg rate of 23.1 BPM. ISIP 1999 psi. Calc flush: 4676 gal. Actual flush: 4082 gal.
10/18/07	4386-4398'	<b>Frac D1 sands as follows:</b> 35067# 20/40 sand in 369 bbl Lightning 17 frac fluid. Treated @ avg press of 1649 psi w/avg rate of 23.0 BPM. ISIP 1760 psi. Calc flush: 4384 gal. Actual flush: 3797 gal.
10/18/07	4066-4075'	<b>Frac PB8 sands as follows:</b> 45256# 20/40 sand in 428 bbls Lightning 17 frac fluid. Treated @ avg press of 2097 psi w/avg rate of 23.0 BPM. ISIP 2009 psi. Calc flush: 4064 gal. Actual flush: 3562 gal.
10/18/07	3924-3931'	<b>Frac GB6 sands as follows:</b> 45222# 20/40 sand in 425 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 23.0 BPM. ISIP 1849 psi. Calc flush: 4826 gal. Actual flush: 3415 gal.
10/18/07	3838-3845'	<b>Frac GB4 sands as follows:</b> 11221# 20/40 sand in 242 bbls Lightning 17 frac fluid. Treated @ avg press of 1907 psi w/avg rate of 23.0 BPM. ISIP 1623 psi. Calc flush: 3836 gal. Actual flush: 3751 gal.
6/9/08		<b>Stuck pump.</b> Rod details updated.
03/08/13		<b>Convert to Injection Well</b>
03/08/13		<b>Conversion MIT Finalized</b> - update tbg detail

#### PERFORATION RECORD

10/23/07	4678-4696'	4 JSPF	72 holes
10/23/07	4386-4398'	4 JSPF	48 holes
10/23/07	4066-4075'	4 JSPF	36 holes
10/23/07	3924-3931'	4 JSPF	28 holes
10/23/07	3838-3845'	4 JSPF	28 holes



**NEWFIELD**

**FEDERAL 5-19-9-17**  
 1950' FNL & 614' FWL  
 SW/NW Section 19-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-33191; Lease # UTU-77369

## FEDERAL 6-19-9-17

Spud Date: 09/05/07  
 Put on Production: 10/30/07  
 GL: 5507' KB: 5519'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7jts (314.10')  
 DEPTH LANDED: 324.10'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160sxs Class "G" cmt. circ 3 bbls to surf.

### PRODUCTION CASING

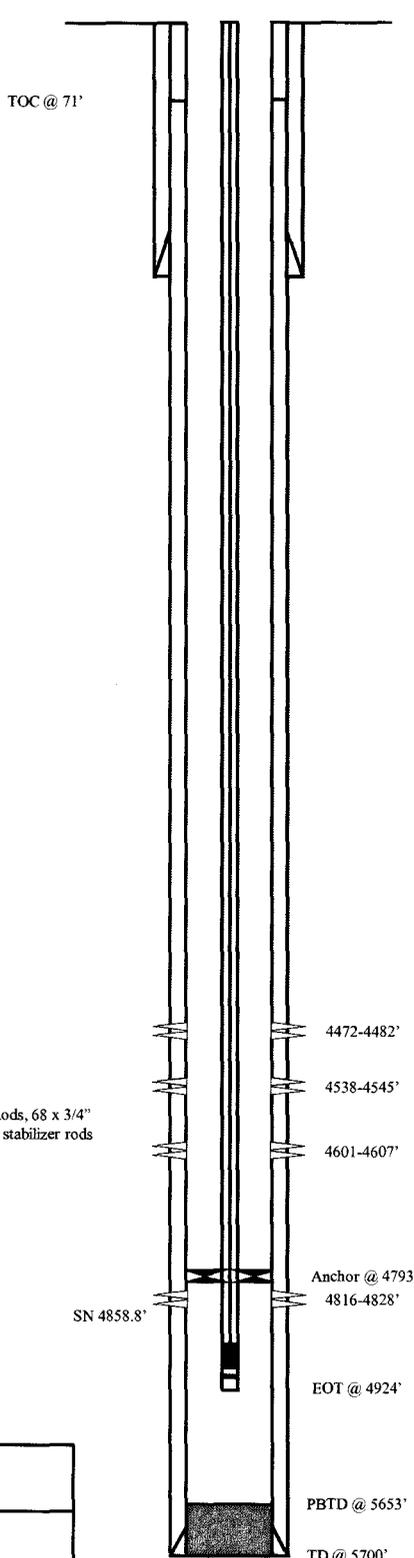
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145jts (5694.61')  
 DEPTH LANDED: 5692.61'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300sxs Premilite II & 450sxs 50/50 POZ.  
 CEMENT TOP: 71' per CBL 10/19/07

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 152jts (4781.1')  
 TUBING ANCHOR: 4793.1'  
 NO. OF JOINTS: 2jts (62.90')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4858.8'  
 NO. OF JOINTS: 2jts (62.9')  
 NOTCHED COLLAR: 2-7/8" (0.5')  
 TOTAL STRING LENGTH: EOT @ 4924.01'

### SUCKER RODS

POLISHED ROD: 26' x 1-1/2" SM Polished Rods  
 SUCKER RODS: 2', 4' x 3/4" Pony Rods, 98 x 3/4" Guided Rods, 68 x 3/4" Plain Rods, 20 x 3/4" Plain Rods, 6 x 1-1/2" weight rods, 6 x 1" stabilizer rods  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 15.5' RHAC  
 STROKE LENGTH: 124"  
 PUMP SPEED, SPM: 4  
 PUMPING UNIT: LUFKIN C-320D-246-74



### FRAC JOB

10/25/07	4816-4828'	<b>Frac A.5 sands as follows:</b> 14556# 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 1970 psi w/avg rate of 24.8 BPM. ISIP 1962 psi. Calc flush: 4814 gal. Actual flush: 4368 gal.
10/25/07	4538-4607'	<b>Frac B.5 &amp; C sands as follows:</b> 40466# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 1875 psi w/avg rate of 24.8 BPM. ISIP 1830 psi. Calc flush: 4536 gal. Actual flush: 4074 gal.
10/25/07	4472-4482'	<b>Frac D3 sands as follows:</b> 48213# 20/40 sand in 437 bbls Lightning 17 frac fluid. Treated @ avg press of 1669 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc flush: 4470 gal. Actual flush: 4368 gal.

### PERFORATION RECORD

10/19/07	4816-4828'	4 JSPF	48 holes
10/25/07	4601-4607'	4 JSPF	24 holes
10/25/07	4538-4545'	4 JSPF	28 holes
10/25/07	4472-4482'	4 JSPF	40 holes

**NEWFIELD**

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**FEDERAL 6-19-9-17**  
 1790' FNL & 1887' FWL  
 SE/NW Section 19-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-33192; Lease # UTU-77369

## Federal 12-19-9-17

Spud Date: 7/29/08  
 Put on Production: 11/21/08  
 GL:5554' KB: 5566'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (312.09')  
 DEPTH LANDED: 323.94' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx class 'G' cmt

### PRODUCTION CASING

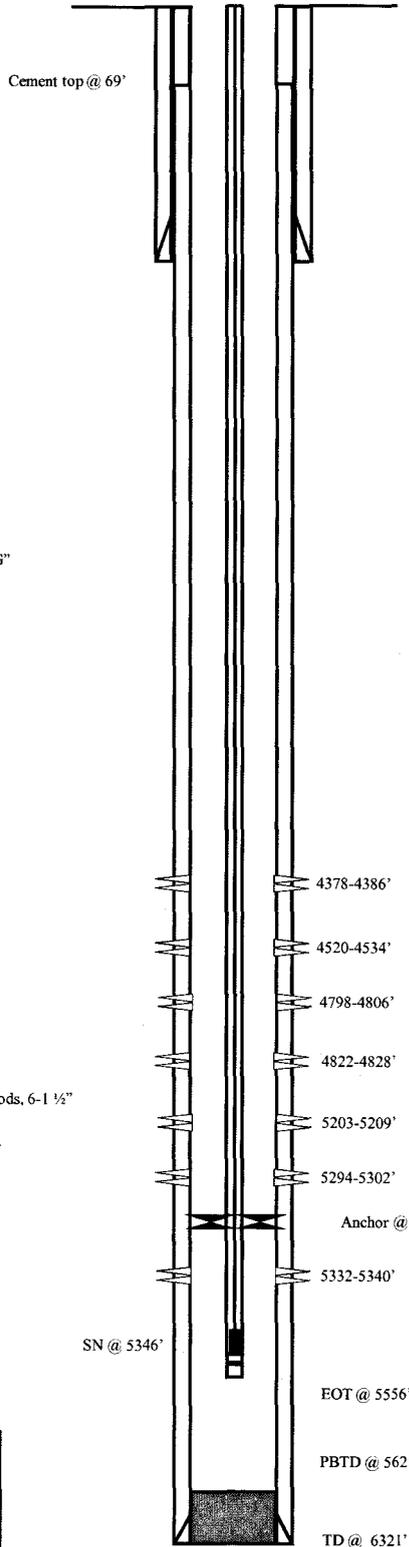
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts  
 DEPTH LANDED: 5675'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx of Lead & 400 sx of tail class "G"  
 CEMENT TOP AT: 69'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 166 jts (5264.30')  
 TUBING ANCHOR: 5276.30'  
 NO. OF JOINTS: 2 jts (63.')

### SUCKER RODS

POLISHED ROD: 1 1/2" X 26' Polished Rod  
 SUCKER RODS: 1-6' X 3/4" pony rod, 208-3/4" scraped rods, 6-1 1/2" weighted rods  
 PUMP SIZE: 2 1/2" X 1 1/2" X 20' RHAC pump w/ sm plunger  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM: 5 SPM



### FRAC JOB

**11/14/08 5294-5340' Frac CP2/CP3 sds as follows:**  
 40,100#s of 20/40 sand in 465 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2014 psi @ ave rate of 23.3 BPM. ISIP 2053 psi. Actual flush: 4872 gals.

**11/14/08 5203-5209' Frac CPLUS sds as follows:**  
 10,158#s of 20/40 sand in 230 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2390 psi w/ ave rate of 23.1 BPM. ISIP 2220 psi. Actual flush: 4696 gals.

**11/14/08 4798-4828' Frac A1 sds as follows:**  
 41,260#s of 20/40 sand in 397 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1873 psi w/ ave rate of 23.2 BPM. ISIP 2020 psi. Actual flush: 4292 gals.

**11/14/08 4520-5434' Frac C sds as follows:**  
 46,911#s of 20/40 sand in 434 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2116 psi w/ ave rate of 23.2 BPM. ISIP 2052 psi. Actual flush: 4015 gals.

07/22/10 Tubing Leak. Rod & Tubing updated.

### PERFORATION RECORD

Date	Interval	Perforations	Notes
11/14/08	4378-4386'	4 JSPF	32 holes
11/14/08	4520-4534'	4 JSPF	56 holes
11/14/08	4798-4806'	4 JSPF	32 holes
11/14/08	4822-4828'	4 JSPF	24 holes
11/14/08	5203-5209'	4 JSPF	24 holes
11/14/08	5294-5302'	4 JSPF	32 holes
11/14/08	5332-5340'	4 JSPF	32 holes

**NEWFIELD**

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**Federal 12-19-9-17**  
 2053' FSL & 685' FWL  
 NW/SW Section 19-T9S-R17E  
 Duchesne Co, Utah  
 API # 43-013-33197; Lease # UTU-77369

## Federal 13-19-9-17

Spud Date: 5-06-08  
 Put on Production: 6-10-08  
 GL: 5586' KB: 5598'

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.13')  
 DEPTH LANDED: 321.98'  
 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: 134 jts. (5637.79')  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 5651.04'  
 CEMENT DATA: 300 sk Prem. Lite II mixed & 440 sxs 50/50 POZ.  
 CEMENT TOP AT: 58'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 154 jts (4722.3')  
 TUBING ANCHOR: 4734'  
 NO. OF JOINTS: 2 jts (61.')

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' Polished rod "A"  
 SUCKER RODS: 1-2' x 3/4" Pony rod, 100- 3/4" Guided rods, 65- 3/4" sucker rods, 20- 3/4" guided rods, 6- 1 1/2" sinker bars.  
 PUMP SIZE: 2-1/2" x 1-1/4" x 14' x 18" RHAC "CDI"  
 STROKE LENGTH: 102"  
 PUMP SPEED, SPM :5

### FRAC JOB

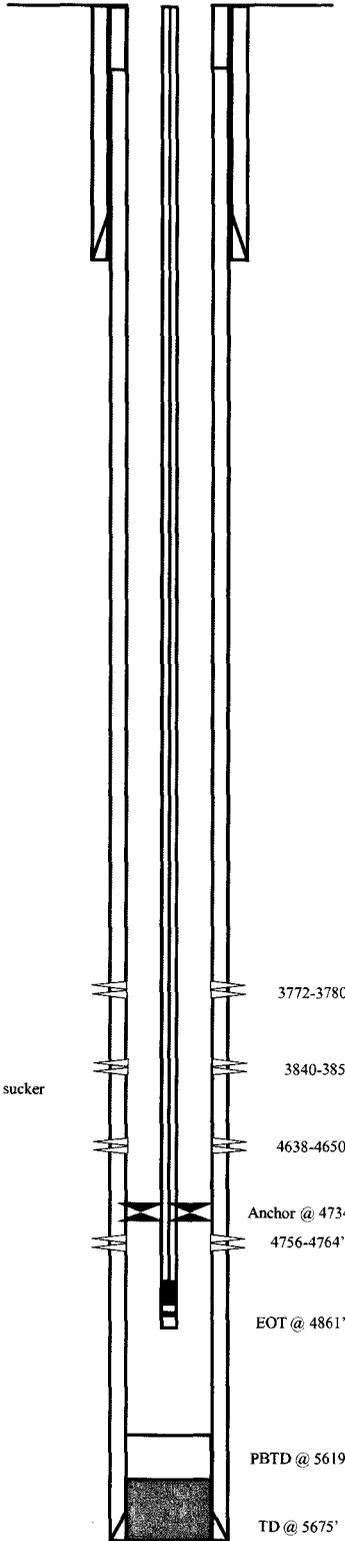
6-05-08 4756-4764' **Frac A1 sands as follows:**  
 Frac with 15109 #'s of 20/40 sand in 50 bbls Lightning 17 fluid. Treat at an ave pressure of 2055 psi @ 23.8 BPM. ISIP 1972 psi.

6-05-08 4638-4650' **Frac B2 sands as follows:**  
 Frac with 45816 #'s of 20/40 sand in 432 bbls Lightning 17 fluid. Treat at an ave pressure of 1813 psi @ 23.6BPM. ISIP 1894 psi.

6-05-08 3840-3850' **Frac GB4 sands as follows:**  
 Frac with 19624 #'s of 20/40 sand in 287 bbls Lightning 17 fluid. Treat at an ave pressure of 1474 psi @ 24 BPM. ISIP 1429 psi.

6-05-08 3772-3780' **Frac GB2 sands as follows:**  
 Frac with 18205 #'s of 20/40 sand in 275 bbls of Lightning 17 fluid. Treat at an ave pressure of 1705 psi @ 24.1 BPM. ISIP 1480 psi.

12/13/11 Pump Change. Rods & tubing updated.



### PERFORATION RECORD

3772-3780'	4 JSPF	32 holes
3840-3850'	4 JSPF	40 holes
4638-4650'	4 JSPF	48 holes
4756-4764'	4 JSPF	32 holes

**NEWFIELD**

Federal 13-19-9-17  
 730' FSL & 620' FWL  
 SWSW Section 19-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-33198; Lease #UTU-77369

## FRED MORRIS 19-1-9-17

Put on Production: 5-4-82

Spud Date: 10-20-81

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs cement cmt.

CASING SIZE	WEIGHT, LB./FT.	DEPTH, FEET	HOLES	PERFORATION RECORD	APPROX. FILLED
8 5/8"	288	288'	12"	20' sx wire returns to sur.	10"
4"	9.5-55	5955	7 7/8"	272 sx Type "D" II Staged	
				D.V. Collar @ 2755', 1-24-82	

#### PRODUCTION CASING

CSG SIZE: 4-1/2"  
 GRADE: J-55  
 WEIGHT: 9.5#  
 LENGTH: ? jts. (5855')  
 SET AT: 5936  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 1272 sxs class G  
 CEMENT TOP AT ?

#### TUBING

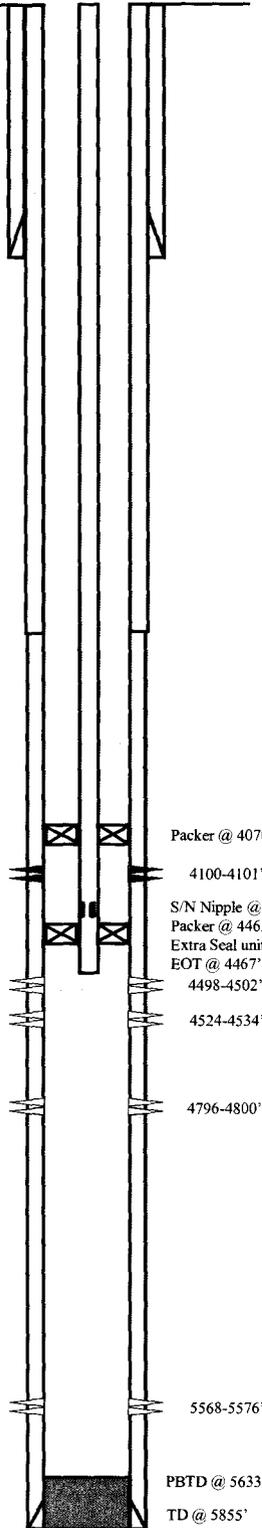
SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.7#  
 TBG HANGER AT: 13'  
 NO. OF JOINTS: 1 jt (32.2')  
 TBG PUP 2-3/8 J-55 AT: 45.7'  
 TBG PUP 2-3/8 J-55 AT: 57.7'  
 TBG PUP 2-3/8 J-55 AT: 65.7'  
 NO. OF JOINTS: 125 jts (4000.1')  
 ARROW #1 PACKER CE AT: 4070'  
 NO. OF JOINTS: 12 jts (387.2')  
 SEATING NIPPLE: 2-3/8" (1.10')  
 SN LANDED AT: 4461' KB  
 LOCATOR SUB AT: 4462.1'  
 ARROWDRILL PACKER AT: 4462.6'  
 EXTRA SEAL UNITS 4-1/2" AT: 4462.6'  
 TOTAL STRING LENGTH: EOT @ 4466.78'

#### FRAC JOB

Time AM/PM	Treating Pressure-Psi		Bbl Fluid Pumped	Inj. Rate BPM	REMARKS-
	Tubing	Casing			
1:06	3200	902	25	28	Start 4 ppg 20/40.
1:09	3100	974	28	28	4 ppg 20/40 on formation.
1:09	3100	985	28	28	Start 4 ppg 10/20.
1:12	3100	1057	28	28	4 ppg 10/20 on formation.
1:12	3100	1068	28	28	All frac, start flush.
1:16	1800	1140	0	0	All flush, shut down.
					ISDP 1800 psi
					5 minute shut-in 1800 psi
					10 minute shut-in 1700 psi
					15 minute shut-in 1600 psi
					20 minute shut-in 1400 psi

11/08/12 Run CBL to find cement top  
 11/12/12 4100-4101' Perforate 4100 - 4101' to raise top of cement - cement squeeze into perfs  
 08/30/13 1 YR TA MIT - update tbg detail

Cement Top @ 3380'  
 per CBL



#### PERFORATION RECORD

4498-4502' ? JSPF ? Holes  
 4534-4534' ? JSPF ? Holes  
 4796-4800' ? JSPF ? Holes  
 5568-5576' ? JSPF ? Holes  
 4100-4101' cement holes - raise TOC

### NEWFIELD

FRED MORRIS 19-1-9-17  
 660' FNL & 860' FWL  
 NW/NW Section 19-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-30587; Lease # UTU-77369

43-013 - 52284

Well Name: GMBU C-24-9-16

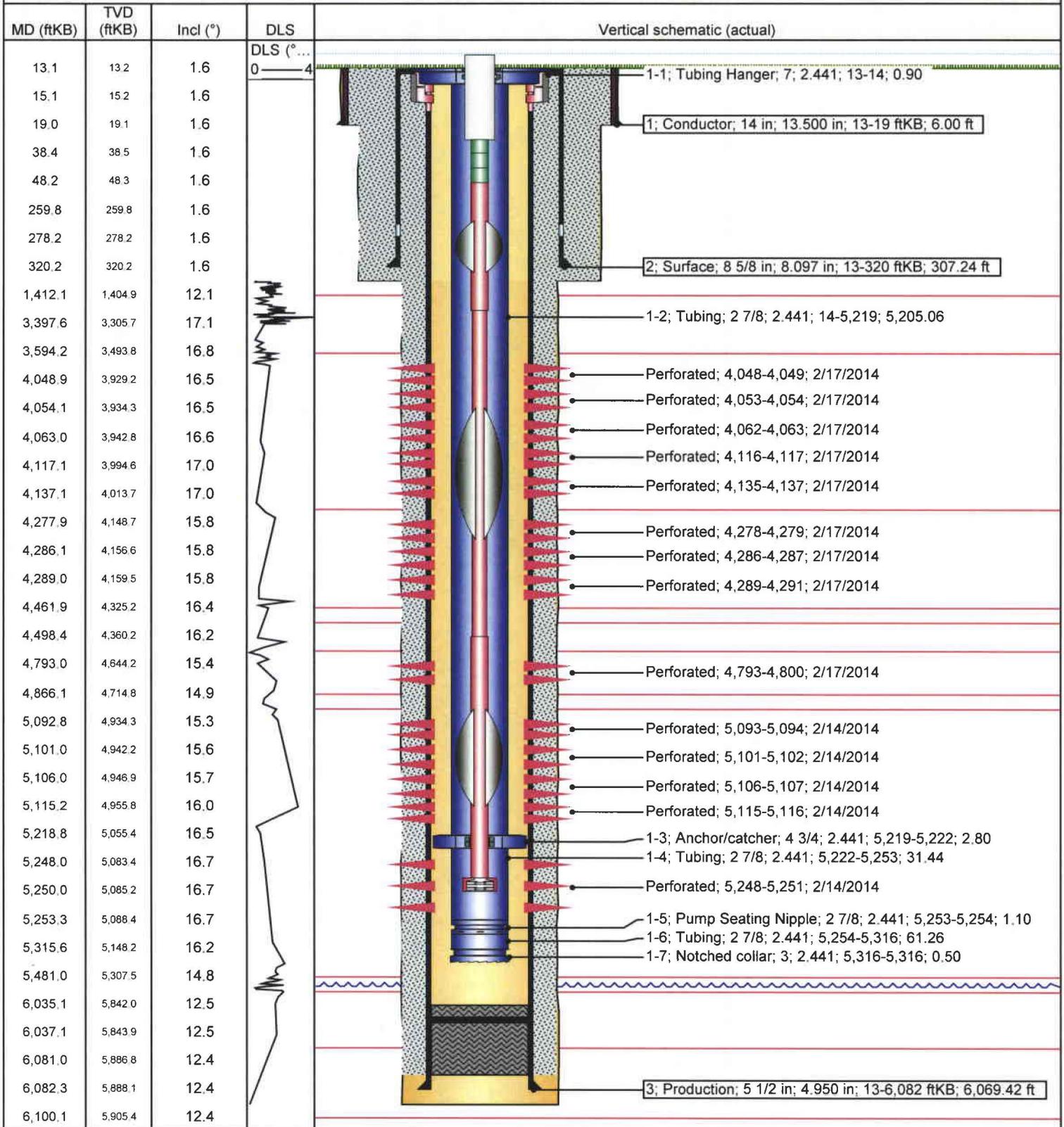
Surface Legal Location SESW 787 FSL 1935 FWL Sec 13 T9S R16E Mer SLB				API/UWI 43013522840000	Well RC 500360790	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 1/17/2014	Rig Release Date 1/30/2014	On Production Date 2/26/2014	Original KB Elevation (ft) 5,595	Ground Elevation (ft) 5,582	Total Depth All (TVD) (ftKB) Original Hole - 5,897.6	PBTD (All) (ftKB) Original Hole - 6,035.8			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/14/2014	Job End Date 2/21/2014
------------------------------------	----------------------------------------	---------------------------	-----------------------------	---------------------------

TD: 6,092.0

Slant - Original Hole, 7/28/2014 3:40:22 PM



43-013-52281

Well Name: GMBU M-24-9-16

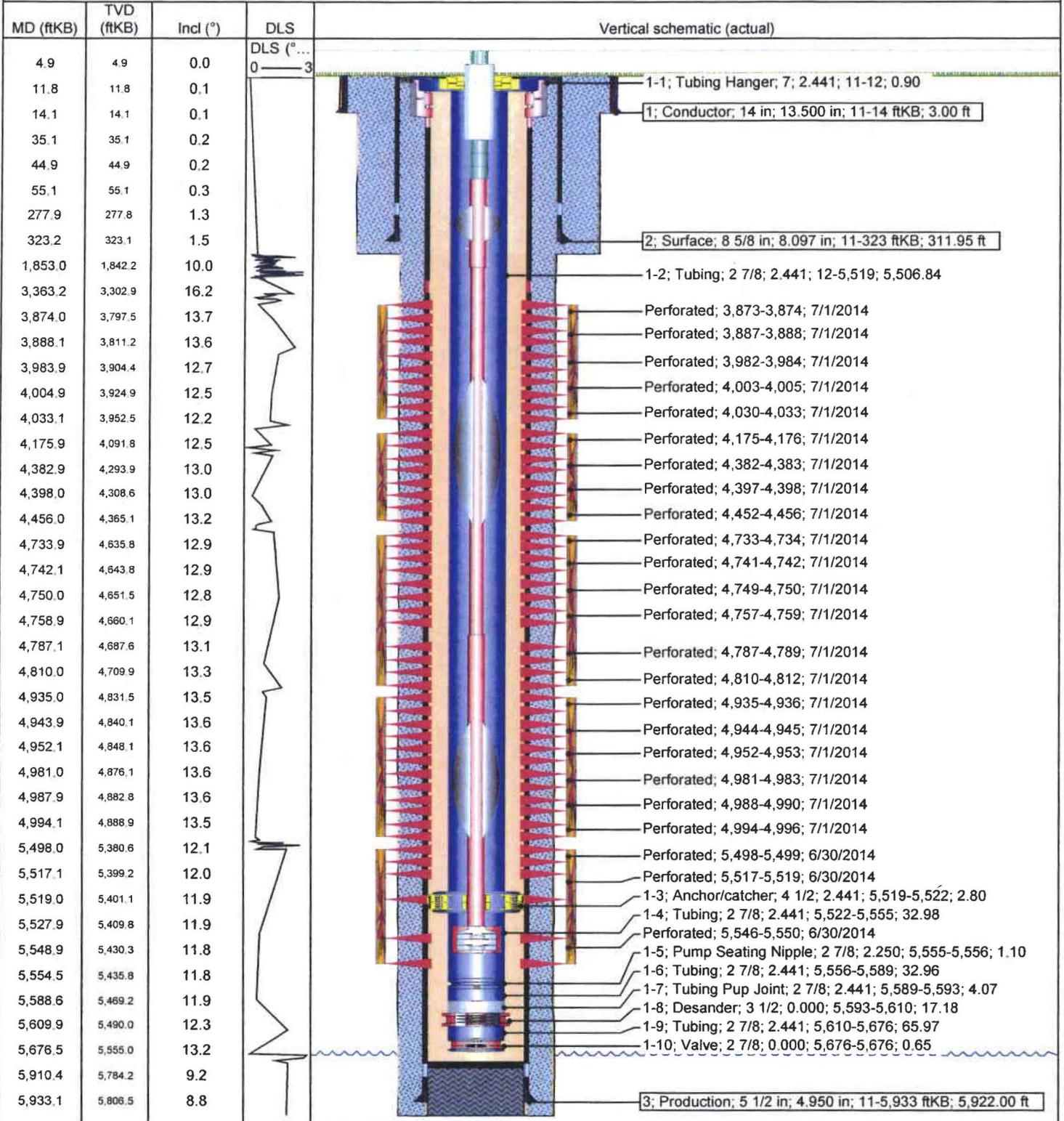
Surface Legal Location NWSE 2187 FSL 1861 FEL Sec 24 T9S R16E		API/UWI 43013522810000	Well RC 500360872	Lease UTU15855	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 5/22/2014	Rig Release Date 6/16/2014	On Production Date 7/11/2014	Original KB Elevation (ft) 5,635	Ground Elevation (ft) 5,624	Total Depth All (TVD) (ftKB) Original Hole - 5,818.3	PBTD (All) (ftKB) Original Hole - 5,908.8	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 6/30/2014	Job End Date 7/11/2014
------------------------------------	----------------------------------------	---------------------------	-----------------------------	---------------------------

TD: 5,945.0

Slant - Original Hole, 8/25/2014 4:45:07 PM





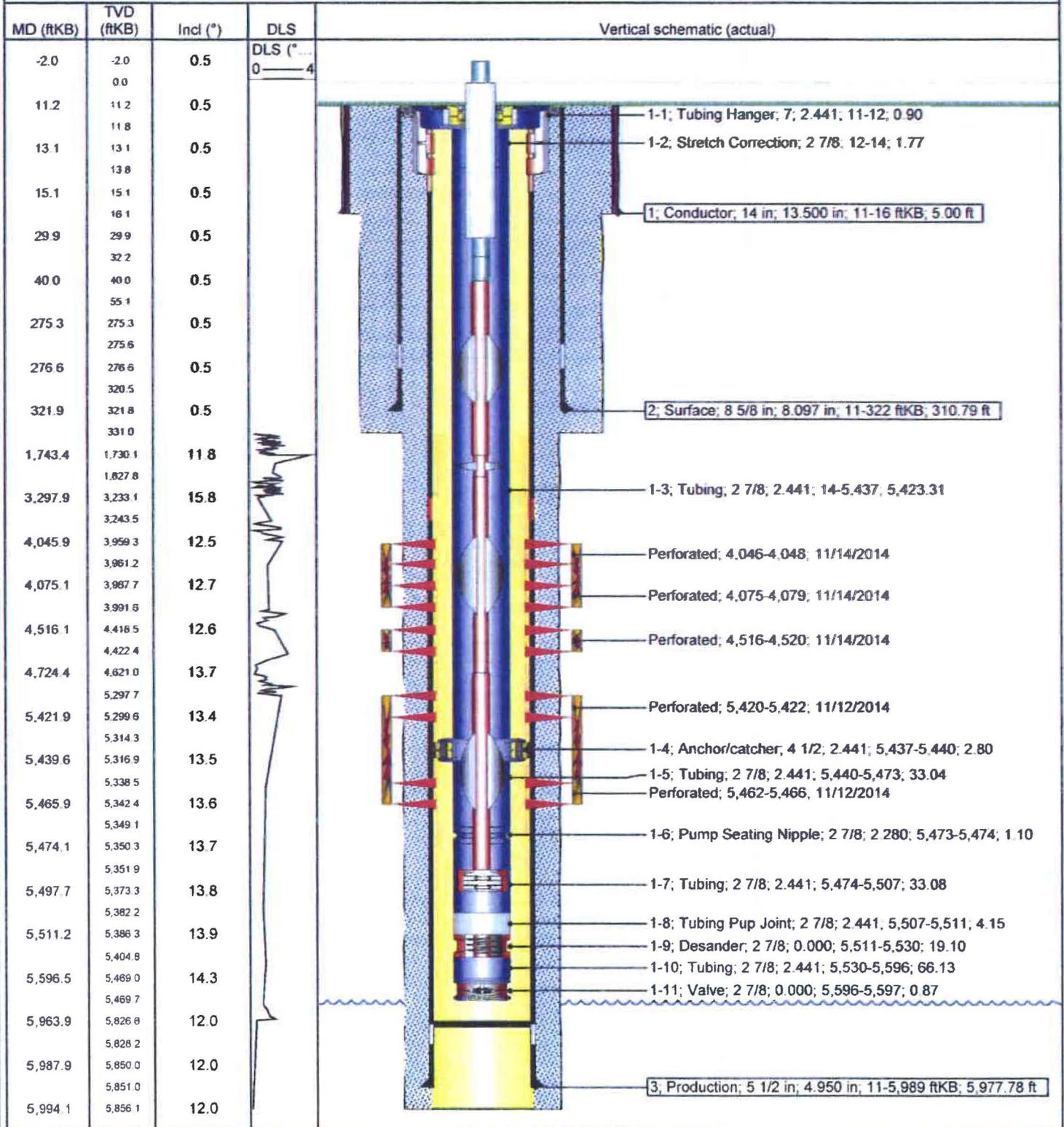
43-013-52517

Well Name: GMBU E-19-9-17

Surface Legal Location SESE 633 FSL 632 FWL Sec 13 T9S R16E				API/LWI 43013525170000	Well RC 500368722	Lease UTU64805	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 10/9/2014	Rig Release Date 10/30/2014	On Production Date 11/20/2014	Original KB Elevation (ft) 5,545	Ground Elevation (ft) 5,534	Total Depth All (TVD) (ftKB) Original Hole - 5,856.0	PBD (All) (ftKB) Original Hole - 5,964.0			

<b>Most Recent Job</b>				
Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 11/12/2014	Job End Date 11/20/2014

TD: 5,994.0 Slant - Original Hole, 1/7/2015 1:57:48 PM



# ATTACHMENT F

1 of 8

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

multi-chem®

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **FEDERAL 8-24-9-16**

Sample Point: **Wellhead**

Sample Date: **5/22/2014**

Sample ID: **WA-275885**

Sales Rep: **Pete Prodromides**

Lab Tech: **Gary Winegar**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	5/29/2014	Sodium (Na):	6686.18	Chloride (Cl):	13000.00
System Temperature 1 (°F):	100	Potassium (K):	26.50	Sulfate (SO4):	132.00
System Pressure 1 (psig):	4500	Magnesium (Mg):	11.92	Bicarbonate (HCO3):	4343.20
System Temperature 2 (°F):	180	Calcium (Ca):	11.77	Carbonate (CO3):	
System Pressure 2 (psig):	4500	Strontium (Sr):	7.54	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.0128	Barium (Ba):	2.56	Propionic Acid (C2H5COO)	
pH:	9.00	Iron (Fe):	1.22	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	24236.94	Zinc (Zn):	0.58	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.05	Silica (SiO2):	13.42
H2S in Water (mg/L):	40.00				

**Notes:**

B= AI=0.04 LI=1.65

(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
180.00	4500.00	1.60	10.03	0.09	0.27	3.84	0.67	2.63	0.89	0.00	0.00	0.00	0.00	0.00	0.00	10.45	0.30
171.00	4500.00	1.57	10.01	0.11	0.34	3.85	0.67	2.60	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.55	0.30
162.00	4500.00	1.54	10.00	0.14	0.41	3.86	0.67	2.56	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.65	0.30
153.00	4500.00	1.51	9.98	0.17	0.49	3.87	0.67	2.53	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.30
144.00	4500.00	1.48	9.95	0.21	0.57	3.89	0.67	2.49	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.87	0.30
135.00	4500.00	1.46	9.94	0.25	0.66	3.92	0.67	2.45	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.99	0.30
126.00	4500.00	1.44	9.92	0.30	0.75	3.95	0.67	2.42	0.88	0.00	0.00	0.00	0.00	0.00	0.00	11.12	0.30
117.00	4500.00	1.42	9.90	0.35	0.83	3.99	0.67	2.38	0.88	0.00	0.00	0.00	0.00	0.00	0.00	11.26	0.30
108.00	4500.00	1.40	9.88	0.40	0.92	4.03	0.67	2.34	0.88	0.00	0.00	0.00	0.00	0.00	0.00	11.40	0.30
100.00	4500.00	1.39	9.87	0.47	1.00	4.08	0.67	2.30	0.88	0.00	0.00	0.00	0.00	0.00	0.00	11.56	0.30

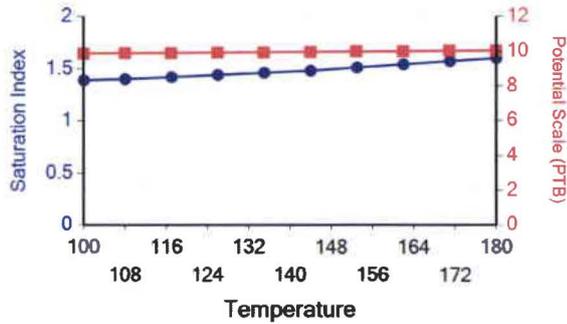
## Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.39	0.00	0.00	6.82	16.25	2.98	8.23	10.76	0.95
171.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.39	0.00	0.00	6.47	16.24	2.79	8.17	10.53	0.95
162.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.39	0.00	0.00	6.12	16.21	2.59	8.08	10.31	0.95
153.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.39	0.00	0.00	5.77	16.19	2.40	7.98	10.08	0.95
144.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.39	0.00	0.00	5.41	16.14	2.21	7.84	9.86	0.95
135.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.39	0.00	0.00	5.06	16.07	2.01	7.68	9.64	0.95
126.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.38	0.00	0.00	4.70	15.97	1.82	7.47	9.42	0.95
117.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.38	0.00	0.00	4.34	15.83	1.63	7.21	9.21	0.95
108.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.38	0.00	0.00	3.98	15.61	1.44	6.90	9.00	0.95
100.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	0.38	0.00	0.00	3.63	15.31	1.25	6.53	8.80	0.95

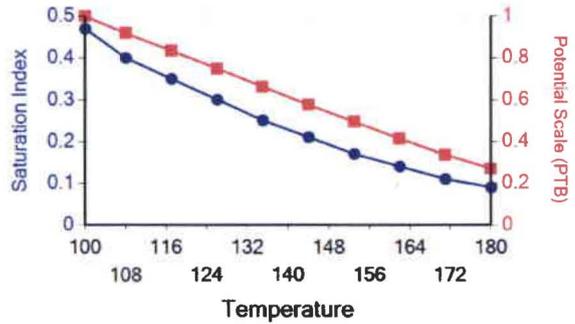
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

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

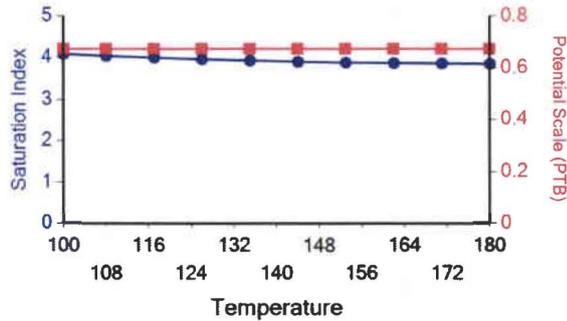
**Calcium Carbonate**



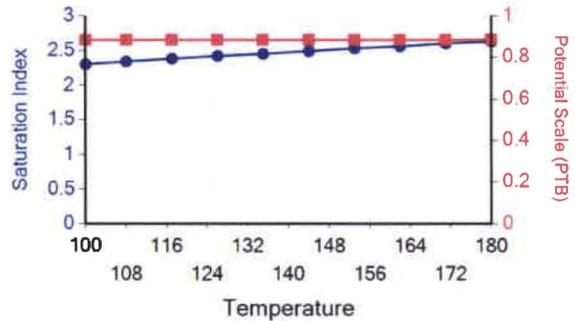
**Barium Sulfate**



**Iron Sulfide**

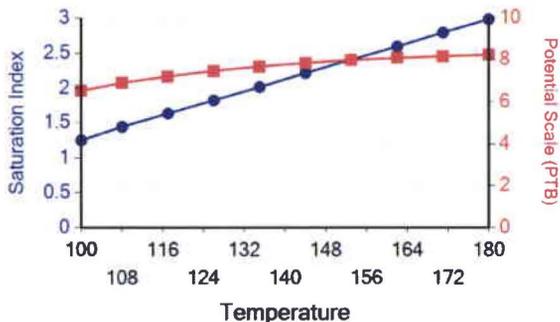


**Iron Carbonate**

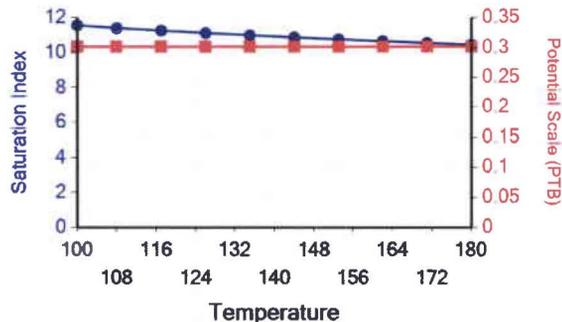


Water Analysis Report

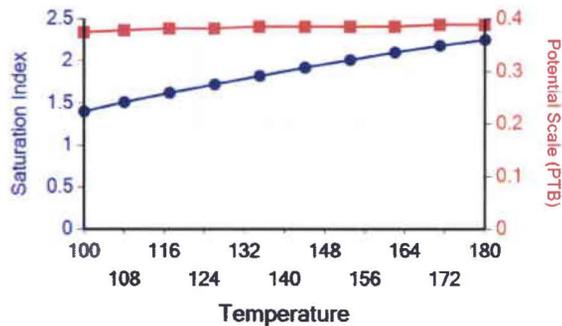
**Ca Mg Silicate**



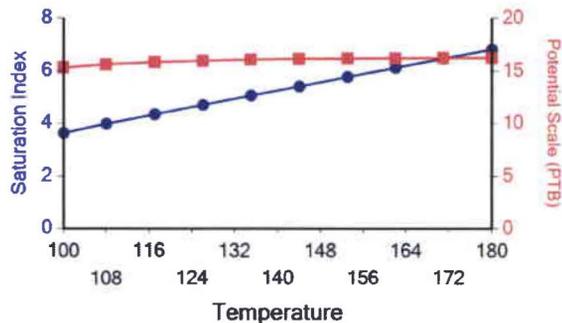
**Zinc Sulfide**



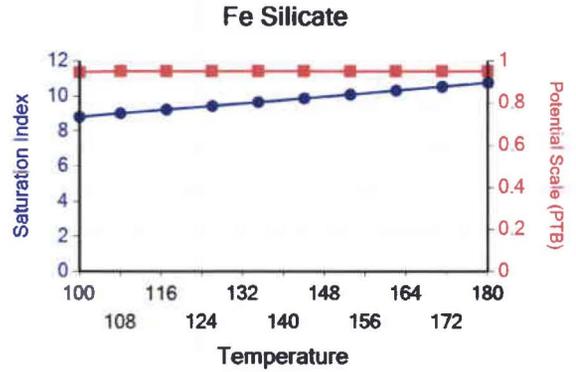
**Zinc Carbonate**



**Mg Silicate**



Water Analysis Report



Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**  
Well Name: **BELUGA INJ FACILITY**  
Sample Point: **Commingled After**  
Sample Date: **11/4/2013**  
Sample ID: **WA-257478**

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			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/11/2013	Sodium (Na):	2661.00	Chloride (Cl):	5000.00
System Temperature 1 (°F):	300	Potassium (K):	34.00	Sulfate (SO <sub>4</sub> ):	266.00
System Pressure 1 (psig):	1300	Magnesium (Mg):	24.00	Bicarbonate (HCO <sub>3</sub> ):	1654.00
System Temperature 2 (°F):	70	Calcium (Ca):	46.00	Carbonate (CO <sub>3</sub> ):	
System Pressure 2 (psig):	15	Strontium (Sr):	4.90	Acetic Acid (CH <sub>3</sub> COO)	
Calculated Density (g/ml):	1.004	Barium (Ba):	3.90	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	
pH:	8.30	Iron (Fe):	1.23	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	
Calculated TDS (mg/L):	9712.71	Zinc (Zn):	0.33	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	
CO <sub>2</sub> in Gas (%):		Lead (Pb):	0.08	Fluoride (F):	
Dissolved CO <sub>2</sub> (mg/L):	224.00	Ammonia NH <sub>3</sub> :		Bromine (Br):	
H <sub>2</sub> S in Gas (%):		Manganese (Mn):	0.36	Silica (SiO <sub>2</sub> ):	16.91
H <sub>2</sub> S in Water (mg/L):	9.00				

**Notes:**

**B=4.9 Al=0.7 Li=5.8**

(PTB = Pounds per Thousand Barrels)

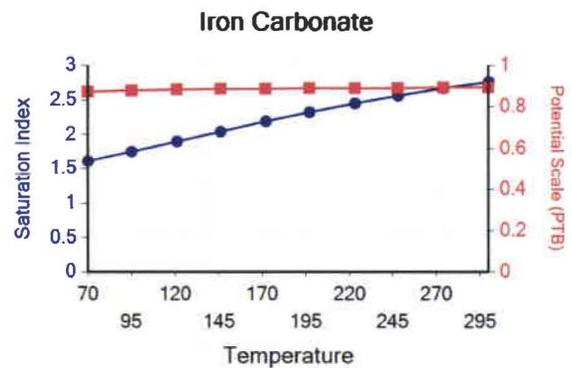
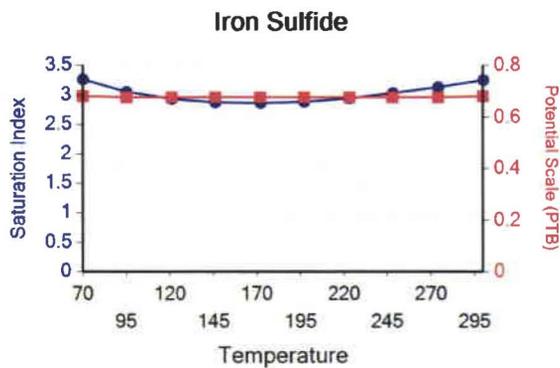
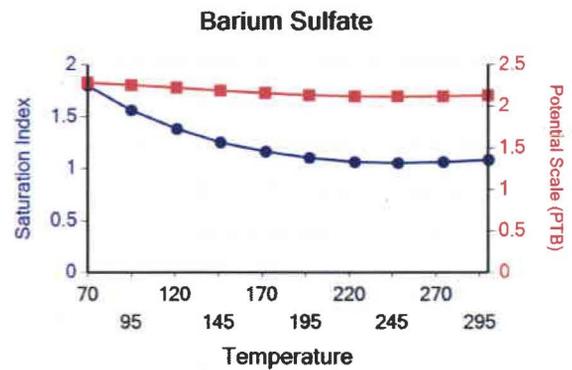
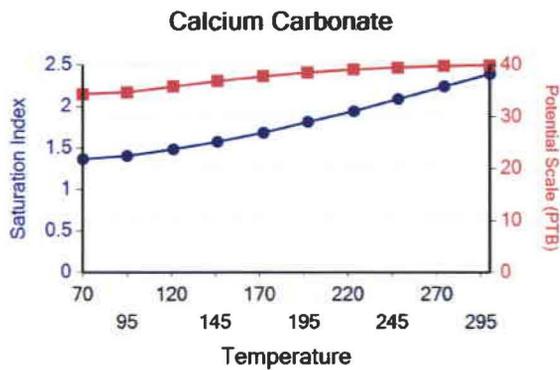
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	1.36	34.40	1.80	2.29	3.26	0.68	1.61	0.87	0.00	0.00	0.00	0.00	0.00	0.00	10.92	0.17
95.00	157.00	1.40	34.75	1.56	2.26	3.05	0.68	1.75	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.41	0.17
121.00	300.00	1.48	35.82	1.38	2.23	2.93	0.68	1.90	0.88	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.17
146.00	443.00	1.57	36.86	1.25	2.19	2.87	0.68	2.04	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.66	0.17
172.00	585.00	1.68	37.77	1.16	2.16	2.86	0.68	2.19	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.39	0.17
197.00	728.00	1.81	38.51	1.10	2.13	2.88	0.68	2.32	0.89	0.00	0.00	0.00	0.00	0.00	0.00	9.16	0.17
223.00	871.00	1.94	39.07	1.06	2.12	2.94	0.68	2.45	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.97	0.17
248.00	1014.00	2.09	39.48	1.05	2.12	3.03	0.68	2.56	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.17
274.00	1157.00	2.24	39.75	1.06	2.12	3.13	0.68	2.67	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.69	0.17
300.00	1300.00	2.39	39.94	1.08	2.13	3.25	0.68	2.76	0.89	0.00	0.00	0.00	0.00	0.00	0.00	8.57	0.17

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
70.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.09	12.71	0.03	0.28	1.78	0.00	0.00	5.30	0.94
95.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.16	11.88	0.03	1.28	6.70	0.20	1.31	5.82	0.95
121.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.20	11.19	0.03	2.42	11.92	0.83	4.31	6.53	0.95
146.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.21	10.60	0.03	3.60	16.34	1.49	6.86	7.30	0.95
172.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.21	10.11	0.03	4.78	19.10	2.16	8.69	8.11	0.95
197.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	0.22	9.69	0.03	5.93	20.16	2.83	9.75	8.94	0.96
223.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	1.93	0.22	9.33	0.03	7.06	20.43	3.49	10.27	9.76	0.96
248.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.22	9.03	0.03	8.12	20.49	4.12	10.50	10.55	0.96
274.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	0.22	8.76	0.03	9.12	20.50	4.71	10.60	11.29	0.96
300.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.22	8.53	0.03	10.04	20.50	5.25	10.64	11.98	0.96

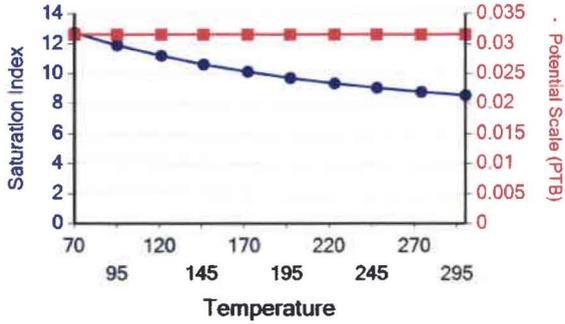
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate

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

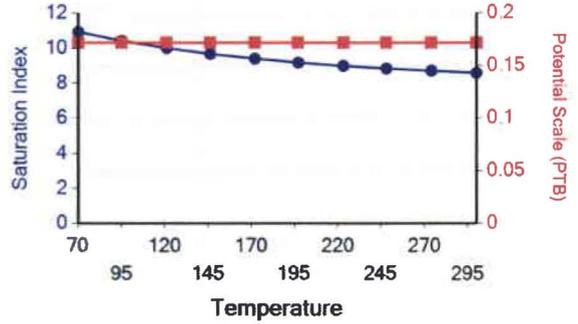


Water Analysis Report

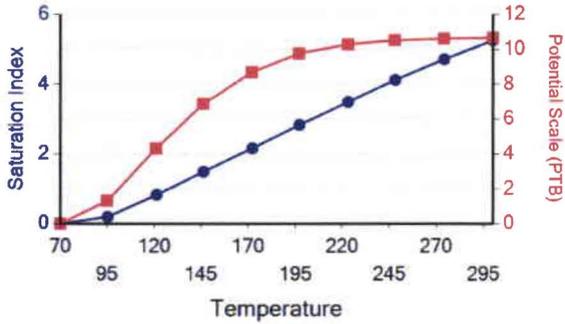
Lead Sulfide



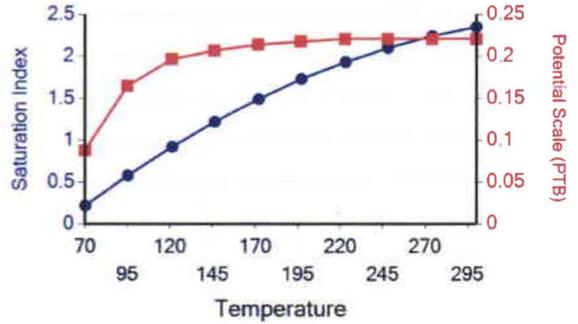
Zinc Sulfide



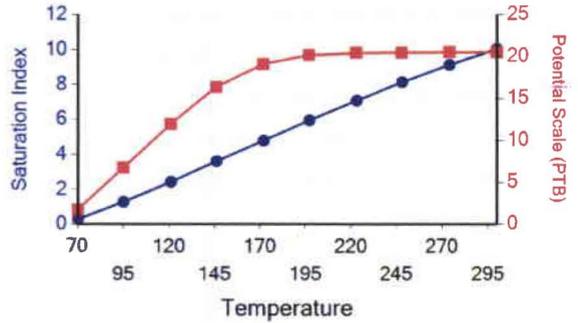
Ca Mg Silicate



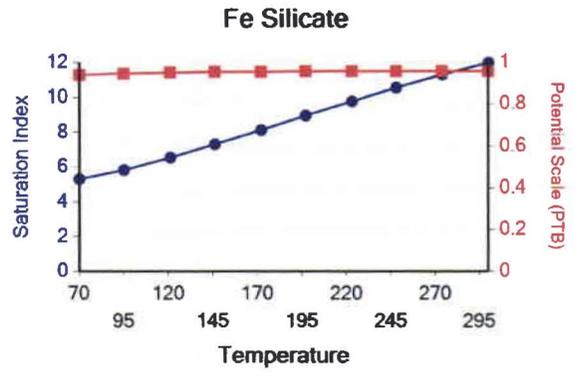
Zinc Carbonate



Mg Silicate



Water Analysis Report



**Attachment "G"**

**Federal #8-24-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5272	5278	5275	2956	0.99	2922
4693	4702	4698	1884	0.83	1854
4520	4532	4526	2107	0.90	2078
3949	3956	3953	1640	0.85	1614
3878	3886	3882	1618	0.85	1593 ←
				<b>Minimum</b>	<u><u>1593</u></u>

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

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

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

## Daily Activity Report

Format For Sundry

FEDERAL 8-24-9-16

2/1/2008 To 6/30/2008

4/1/2008 Day: 1

Completion

Rigless on 3/31/2008 - 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 @ 5664' & cement top @ 40'. Perforate stage #1. CP.5 sds @ 5272- 78' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. 136 BWTR. SIFN.

4/2/2008 Day: 2

Completion

Rigless on 4/1/2008 - Stage #1, CP.5 sands. RU BJ Services. 0 psi on well. Frac CP.5 sds w/ 15,319#'s of 20/40 sand in 284 bbls of Lightning 17 fluid. Broke @ 3297 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2126 psi @ ave rate of 23.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2956 psi. Leave pressure on well. 420 BWTR Stage #2, B1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 9' perf gun. Set plug @ 4800'. Perforate B1 sds @ 4693- 4702' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. RU BJ Services. 1967 psi on well. Frac B1 sds w/ 60,062#'s of 20/40 sand in 502 bbls of Lightning 17 fluid. Broke @ 3553 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1779 psi @ ave rate of 23.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1884 psi. Leave pressure on well. 922 BWTR Stage #3, D2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 12' perf gun. Set plug @ 4630'. Perforate D2 sds @ 4520- 32' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ Services. 1542 psi on well. Frac D2 sds w/ 35,229#'s of 20/40 sand in 407 bbls of Lightning 17 fluid. Broke @ 3400 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2972 psi @ ave rate of 21.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2107 psi. Leave pressure on well. 1329 BWTR Stage #4, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 7' perf gun. Set plug @ 4060'. Perforate GB6 sds @ 3949- 56' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 shots. RU BJ Services. 1460 psi on well. Frac GB6 sds w/ 29,694#'s of 20/40 sand in 367 bbls of Lightning 17 fluid. Broke @ 1670 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1808 psi @ ave rate of 23.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1640 psi. Leave pressure on well. 1696 BWTR Stage #5, GB2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 3930'. Perforate GB2 sds @ 3878- 86' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1126 psi on well. Frac GB2 sds w/ 31,997#'s of 20/40 sand in 369 bbls of Lightning 17 fluid. Broke @ 2382 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1932 psi @ ave rate of 23.5 BPM. ISIP 1618 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs & died. Rec 300 BTF. SIWFN w/ 1765 BWTR

**4/3/2008 Day: 3****Completion**

Western #2 on 4/2/2008 - MIRU Western #2. 75 psi on well. Bled off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, Bit sub & 103 jts of 2 7/8" J-55 tbg. EOT @ 3244'. SIWFN w/ 1741 BWTR

**4/4/2008 Day: 4****Completion**

Western #2 on 4/3/2008 - 50 psi on csg, 25 psi on tbg. Bleed off pressure. Continue PU & RIH w/ tbg. Tagged fill @ 3911'. RU Nabors power swivel. Drill out plugs & circulate sand as follows: Plug @ 3930', Sand @ 3911' (Drilled up 16 mins), Plug @ 4060', Sand @ 4029' (Drilled up in 27 mins), Plug @ 4630', No sand (Drilled up in 14 mins), Plug @ 4800', 4720' (Drilled up in 18 mins). Tagged fill @ 5625', C/O to PBD @ 5695'. Hang back power swivel. LD 2 jts of tbg. EOT @ 5632'. RU swab equipment. IFL @ surface. Made 15 runs, Rec 145 BTF. FFL @ 1600'. Trace of oil, No sand. SIWFN w/ 1596 BWTR

**4/5/2008 Day: 5****Completion**

Western #2 on 4/4/2008 - Bleed off well. RIH w/ tbg. Tag PBD @ 5695'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 166 jts 2 7/8" tbg. ND BOP. Set TAC @ 5228' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 16' x 18' RHAC rod pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 84- 3/4" slick rods, 100- 3/4" guided rods, 1- 4' x 3/4" pony sub, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. RU pumping unit. Hang off rods. Adjust tag. RD. Could not put well on production (flow lines not insulated). SWIFN.

**4/8/2008 Day: 6****Completion**

Western #2 on 4/7/2008 - When kicking well in on Sunday 4/6/08, polished rod, 4' sub & 6' of top scraped rod came through stuffing box. Rig up Western #2. PU on rods--act parted. LD top 2 rods (bent) & TOH W/ remainder. Found pin stripped on #27 rod. ND wellhead & PU on tbg string--found TA still set. Re-land tbg & NU wellhead. TIH W/ overshot & rods. Latch onto fish & unseat pump. TOH W/ rods. LD #27 (stripped pin). TOH W/ rods to plain. PU 3-3/4" plain rods (A grade). RIH W/ remainder of string (re-torque all connections on TIH). Add new 4' pony rod & PU polished rod. Seat pump & RU punmping unit. RU HO trk & fill tbg W/ 1 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1597 BWTR. Found flowline deadheaded (repaired issues) Placed well on production @ 1:00 PM 4/7/2008 W/ 102" SL @ 5 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3828'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 172' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 45 sx Class "G" cement down 5 ½" casing to 383'.

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

## FEDERAL 8-24-9-16

Spud Date: 2/25/08  
 Put on Production: 4/18/08  
 GL: 5603' KB: 5615'

Initial Production: BOPD,  
 MCFD, BWPD

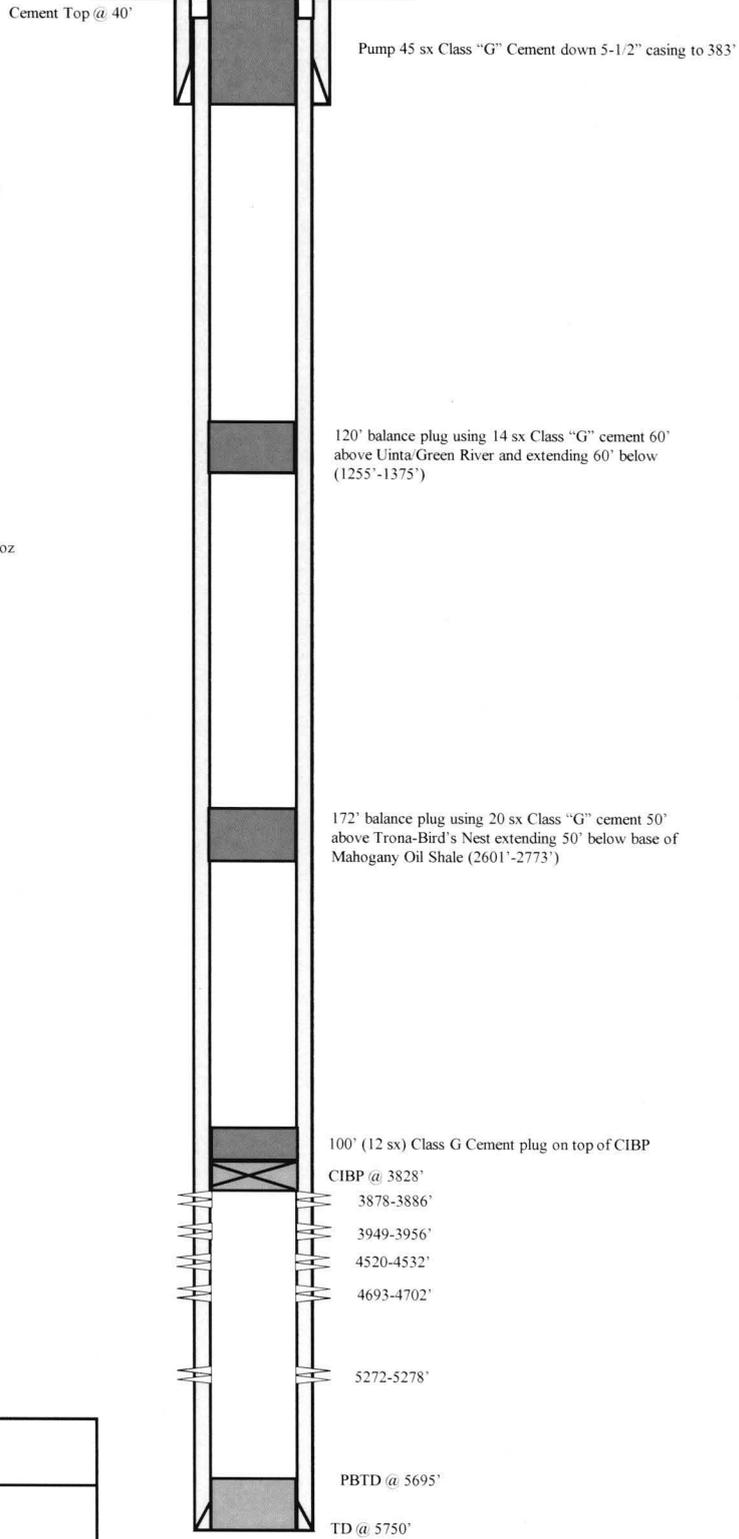
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

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

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts  
 DEPTH LANDED: 5739'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 275 sx Premlite II and 400 sx 50/50 Poz  
 CEMENT TOP: 40'



**NEWFIELD**

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**FEDERAL 8-24-9-16**

2148'FNL & 763' FEL

SE/NE Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33086; Lease # UTU-15855