

NEWFIELD



December 6, 2005

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

RE: Applications for Permit to Drill: 5-18-9-16, 6-18-9-16, 12-18-9-16, 13-18-9-16, 14-18-9-16, 15-18-9-16, 1-23-9-16, 2-23-9-16, and 4-24-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 13-18-9-16, 14-18-9-16 and 15-18-9-16 are Exception Locations. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
DEC 08 2005
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

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 4-24-9-16

9. API Well No.
43-013-33004

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NW/NW Sec. 24, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NW/NW 462' FNL 679' FWL 579015X 40.022447
At proposed prod. zone 4430449Y -110.074052

14. Distance in miles and direction from nearest town or post office*
Approximatley 18.3 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 462' f/ise, NA' f/unit
Approx. 1321'

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. 1321'

19. Proposed Depth
5690'

20. BLM/BIA Bond No. on file
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5613' GL

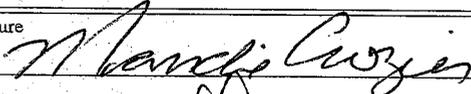
22. Approximate date work will start*
1st Quarter 2006

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

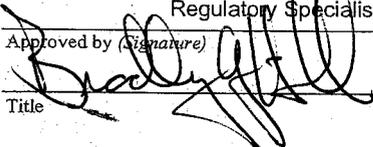
24. Attachments

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

- 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 12/6/05

Title Regulatory Specialist

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

Title ENVIRONMENTAL SCIENTIST III

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

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

*(Instructions on reverse)

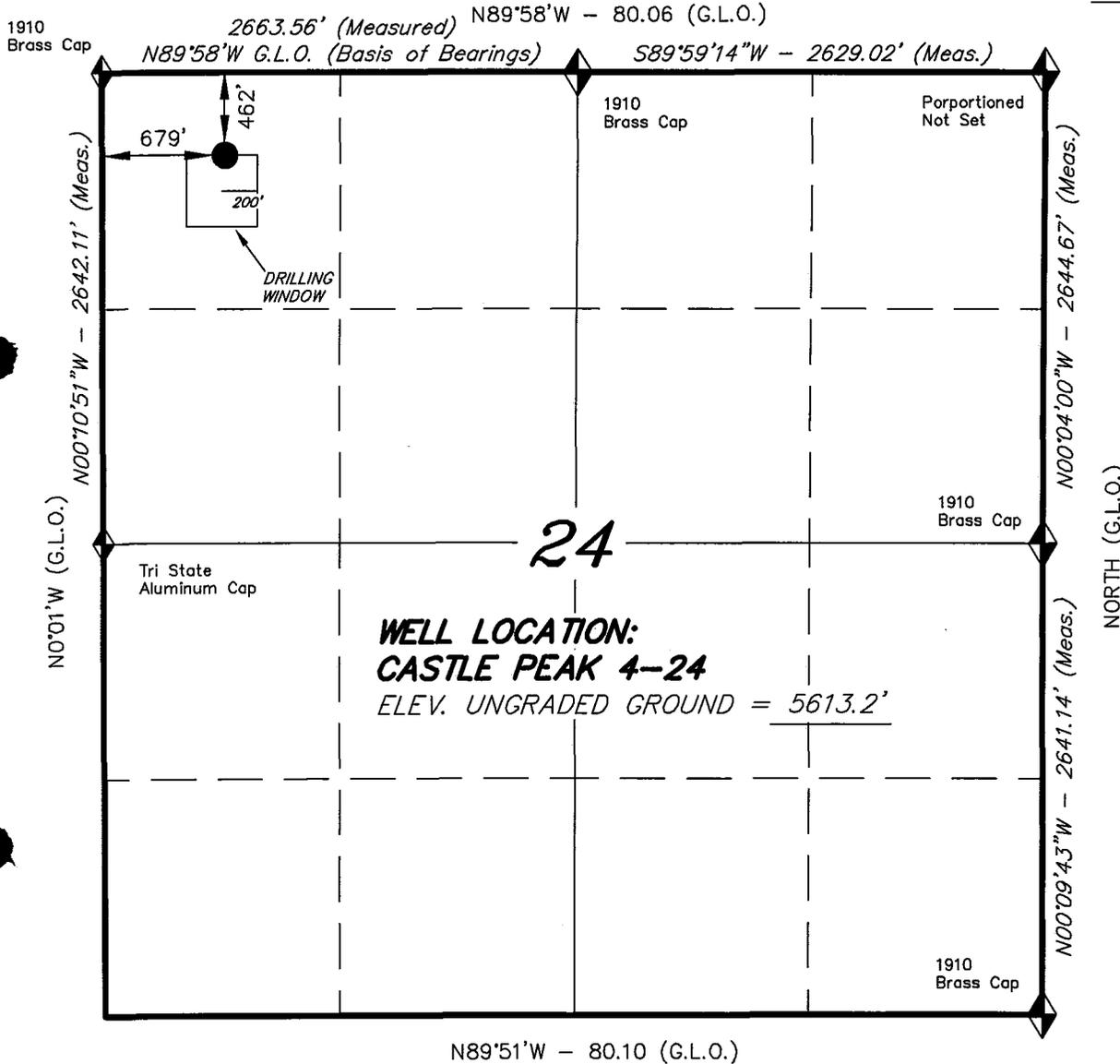
Federal Approval of this
Action is Necessary

DEC 08 2005

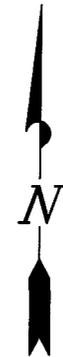
BLM OF UT, DORAMING

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

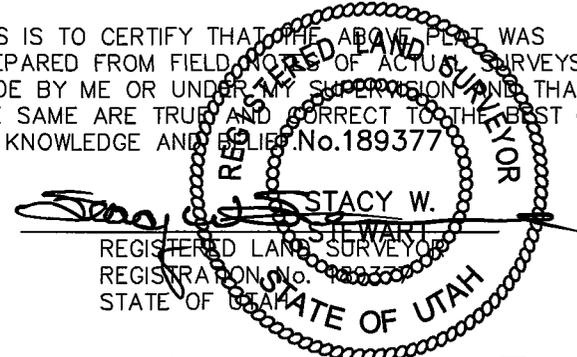
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, CASTLE PEAK 4-24,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 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)

| | |
|--|-------------------|
| TRI STATE LAND SURVEYING & CONSULTING | |
| 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501 | |
| SCALE: 1" = 1000' | SURVEYED BY: C.M. |
| DATE: 11-17-05 | DRAWN BY: F.T.M. |
| NOTES: | FILE # |

NEWFIELD PRODUCTION COMPANY
FEDERAL #4-24-9-16
NW/NW 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' - 2325' |
| Green River | 2325' |
| Wasatch | 5690' |

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

Green River Formation 2325' - 5690' - 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 #4-24-9-16
NW/NW 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 #4-24-9-16 located in the NW 1/4 NW 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 - 4.6 miles \pm to it's junction with the beginning of the proposed access road; proceed northwesterly and then northeasterly along the proposed access road - 1,930' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-270, 9/7/05. Paleontological Resource Survey prepared by, Wade E. Miller, 9/28/05. See attached report cover pages, Exhibit "D".

For the Federal #4-24-9-16 Newfield Production Company requests 1930' of disturbed area be granted in Least 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 1930' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Burrowing Owl: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new

construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

Reserve Pit Liner

A 12 mil liner with felt will be required at the operators own discretion. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass *Agropyron Cristatum* 12 lbs/acre

Details of the On-Site Inspection

The proposed Federal #4-24-9-16 was on-sited on 8/31/05. The following were present; Shon Mckinnon (Newfeild Production), Byron Tolman (Bureau of Land Management), and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

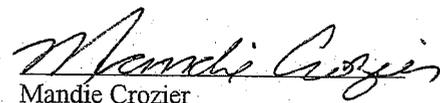
Name: Shon Mckinnon
Address: Route #3 Box 3630
 Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-24-9-16 NW/NW 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.

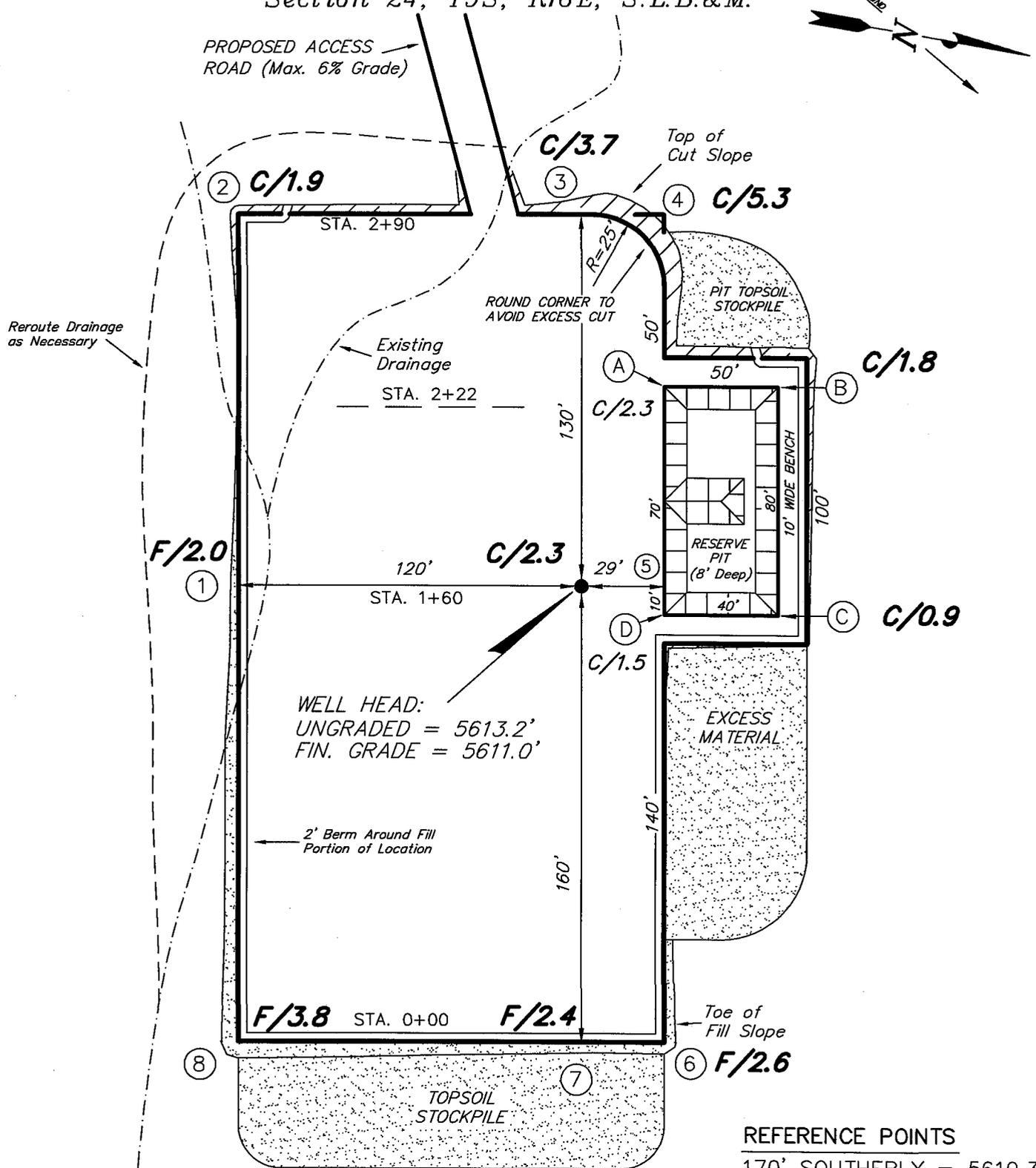
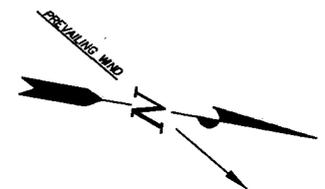
12/6/05
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

CASTLE PEAK 4-24

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



WELL HEAD:
 UNGRADED = 5613.2'
 FIN. GRADE = 5611.0'

REFERENCE POINTS
 170' SOUTHERLY = 5610.3'
 220' SOUTHERLY = 5612.1'
 210' EASTERLY = 5607.2'
 260' EASTERLY = 5605.3'

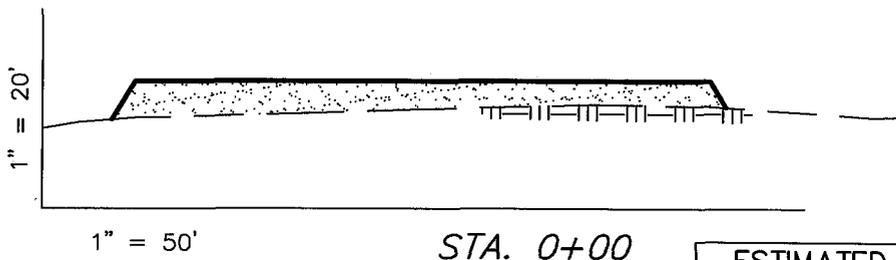
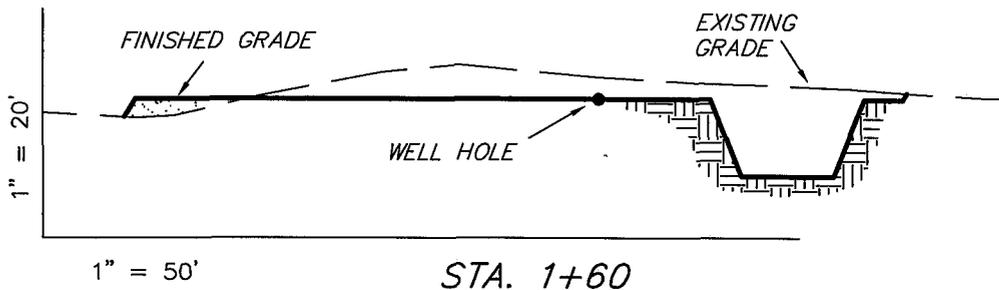
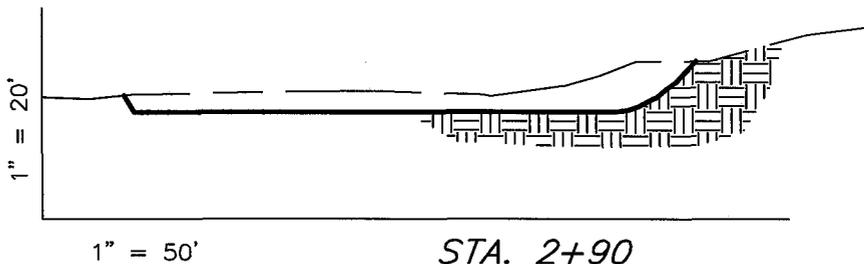
| | |
|-------------------|-----------------|
| SURVEYED BY: C.M. | SCALE: 1" = 50' |
| DRAWN BY: F.T.M. | DATE: 11-17-05 |

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

CASTLE PEAK 4-24



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

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

| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|--------|-------|-------|------------------------------------|--------|
| PAD | 1,590 | 1,580 | Topsoil is not included in Pad Cut | 10 |
| PIT | 640 | 0 | | 640 |
| TOTALS | 2,230 | 1,580 | 950 | 650 |

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 11-17-05

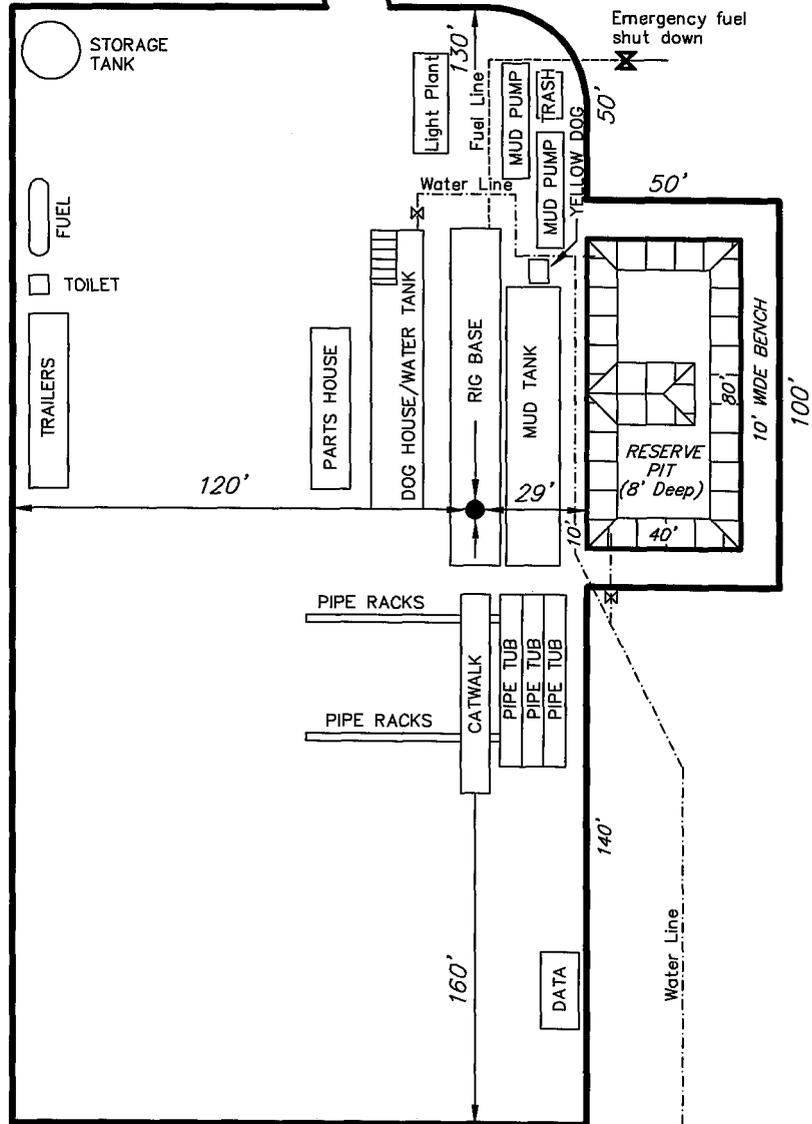
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

CASTLE PEAK 4-24

PROPOSED ACCESS ROAD (Max. 6% Grade)



SURVEYED BY: C.M.

SCALE: 1" = 50'

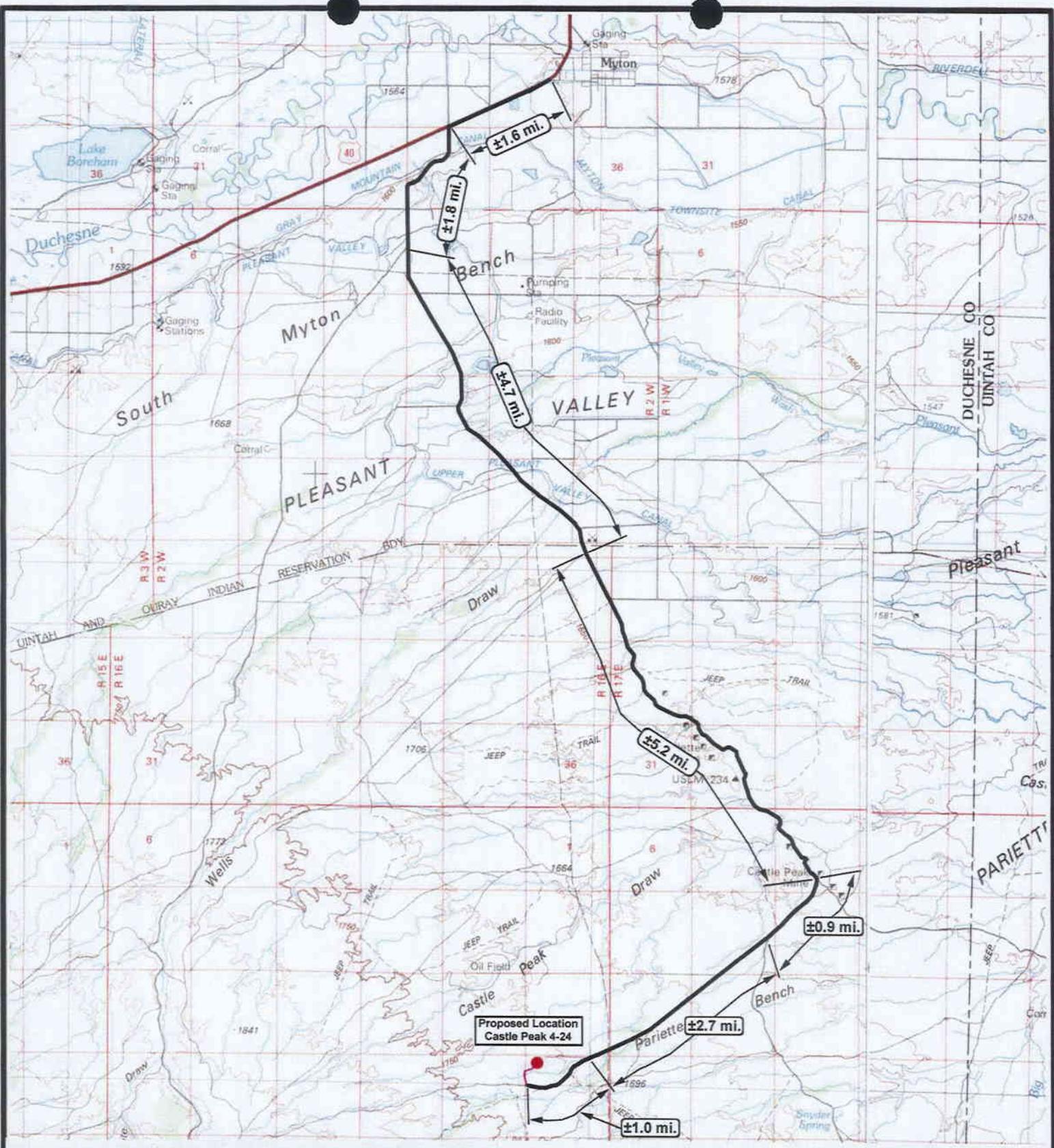
(435) 781-2501

DRAWN BY: F.T.M.

DATE: 11-17-05

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



NEWFIELD
Exploration Company

Castle Peak 4-24-9-16
SEC. 24, T9S, R16E, S.L.B.&M.

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

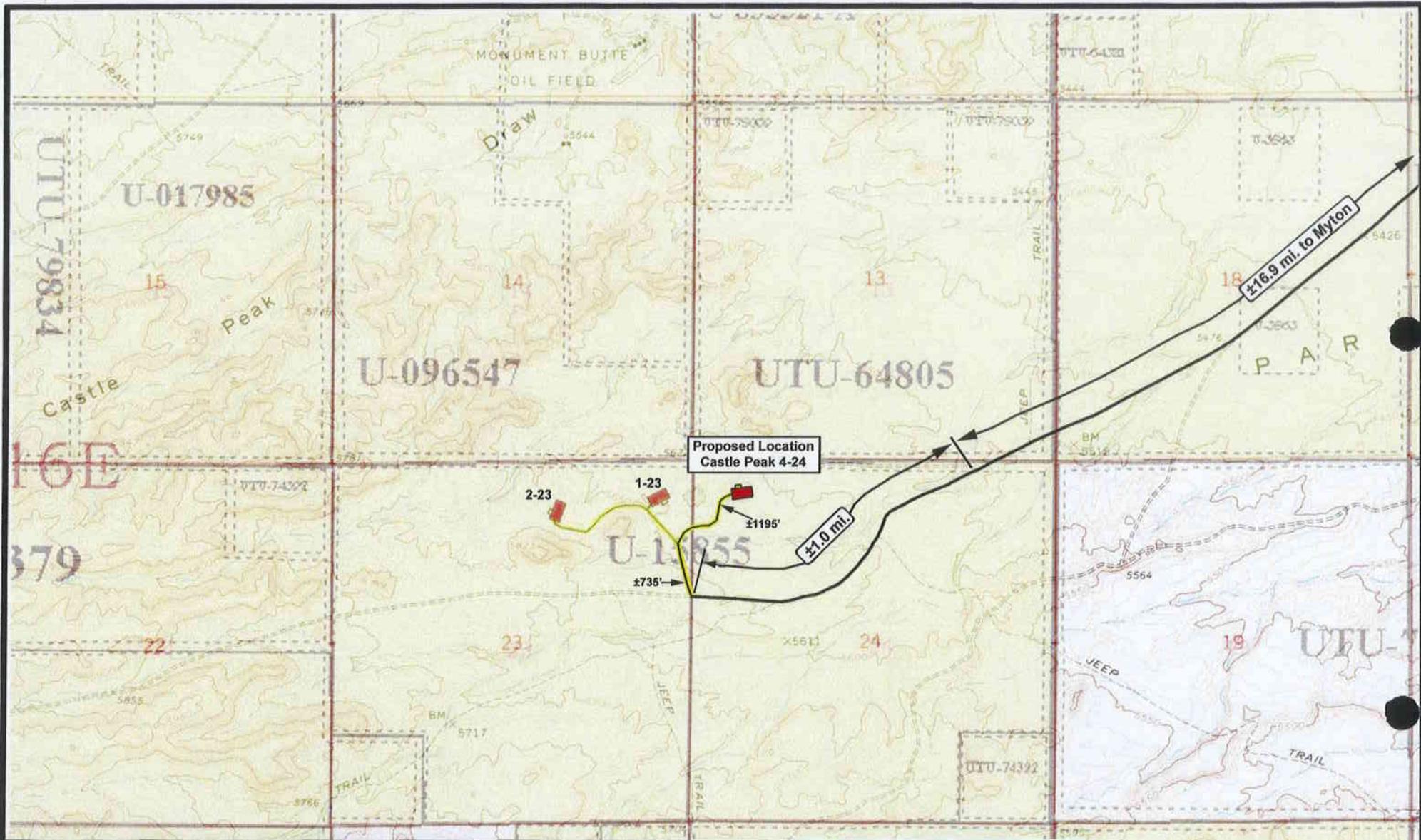
SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 11-17-2005

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"A"




NEWFIELD
 Exploration Company

Castle Peak 4-24-9-16
SEC. 24, T9S, R16E, S.L.B.&M.


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

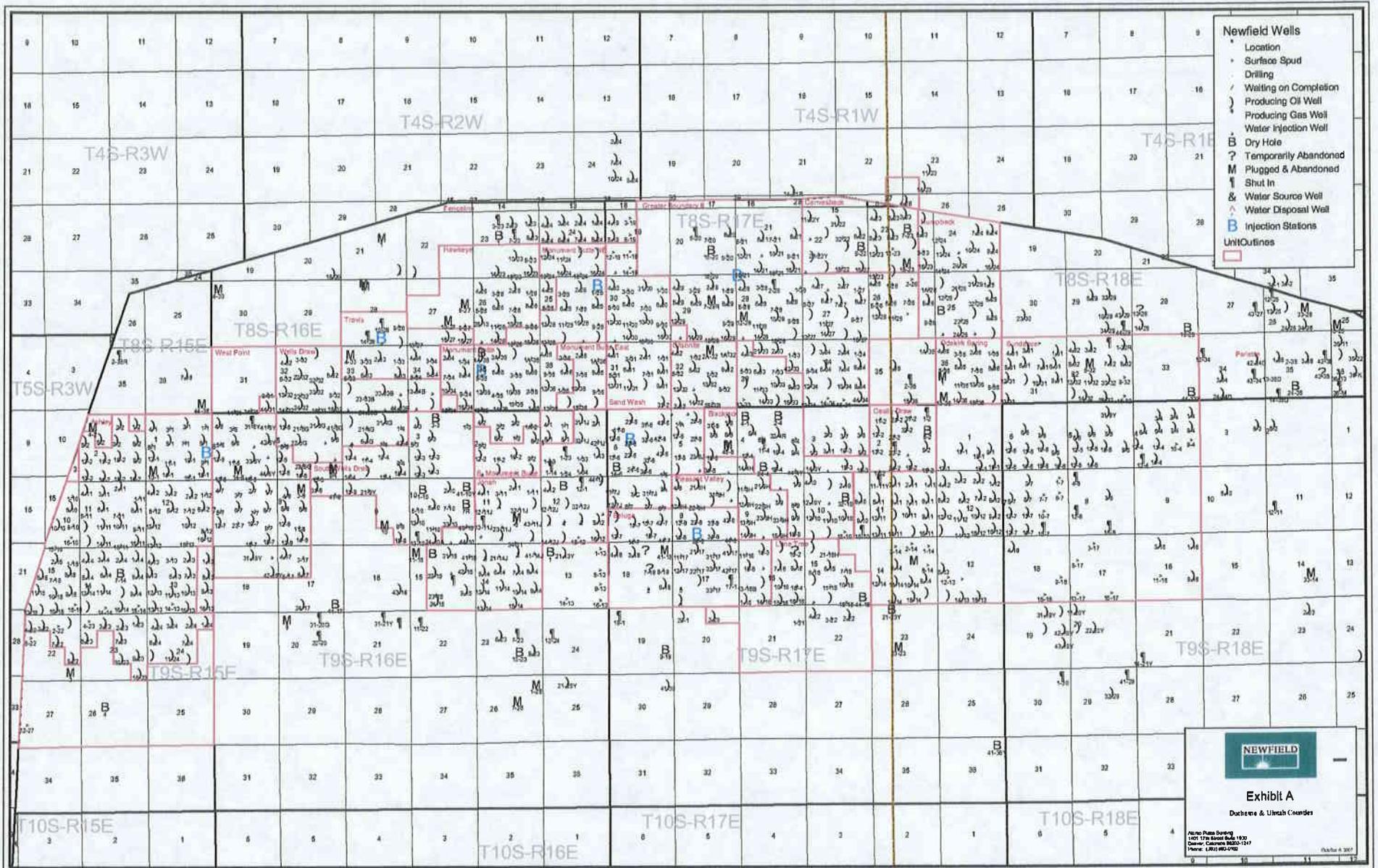
SCALE: 1" = 2,000'
 DRAWN BY: mw
 DATE: 11-17-2005

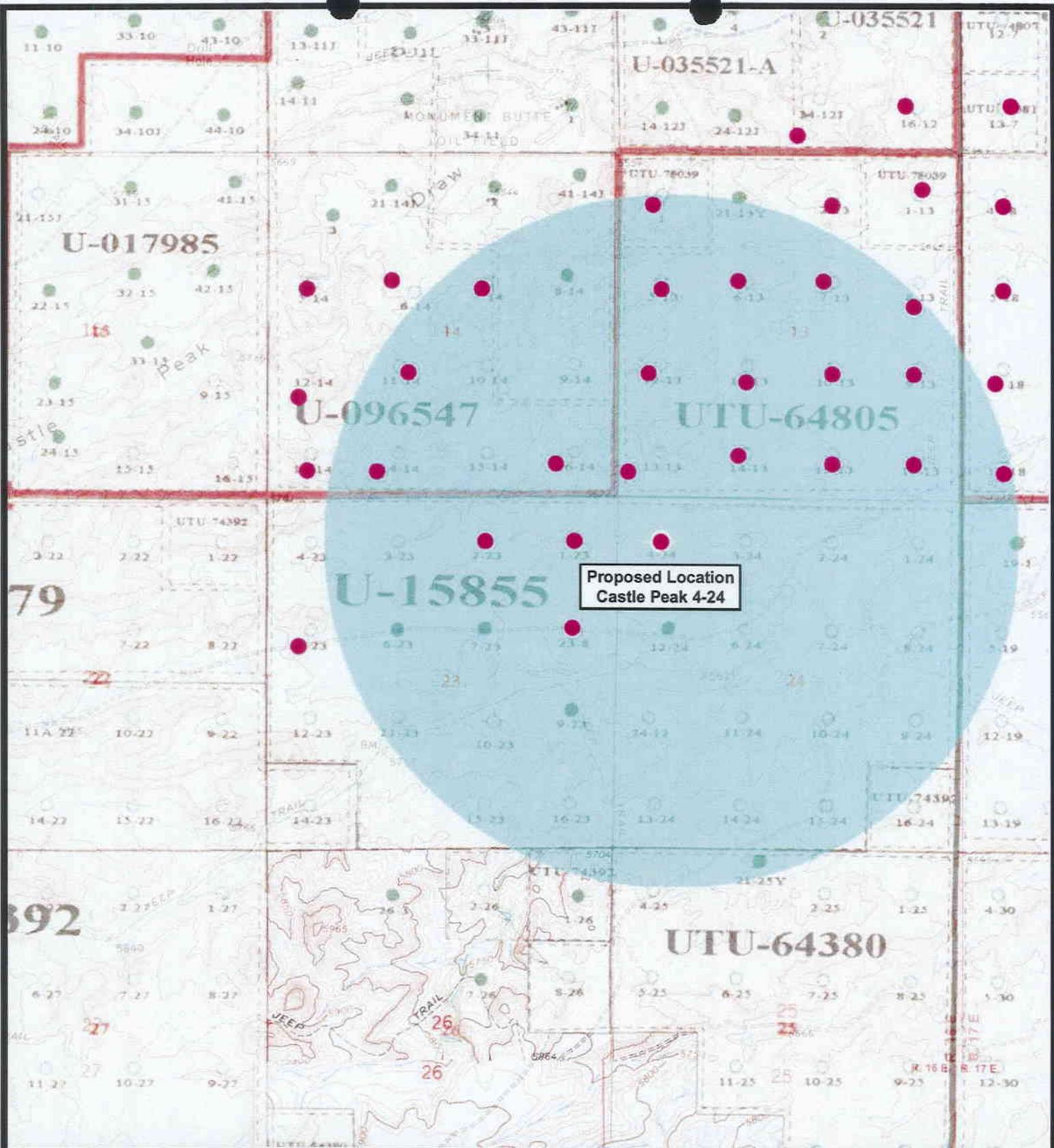
Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"B"

UTU-11385
 30





Proposed Location
Castle Peak 4-24



NEWFIELD
Exploration Company

Castle Peak 4-24-9-16
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: mww
DATE: 11-17-2005

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

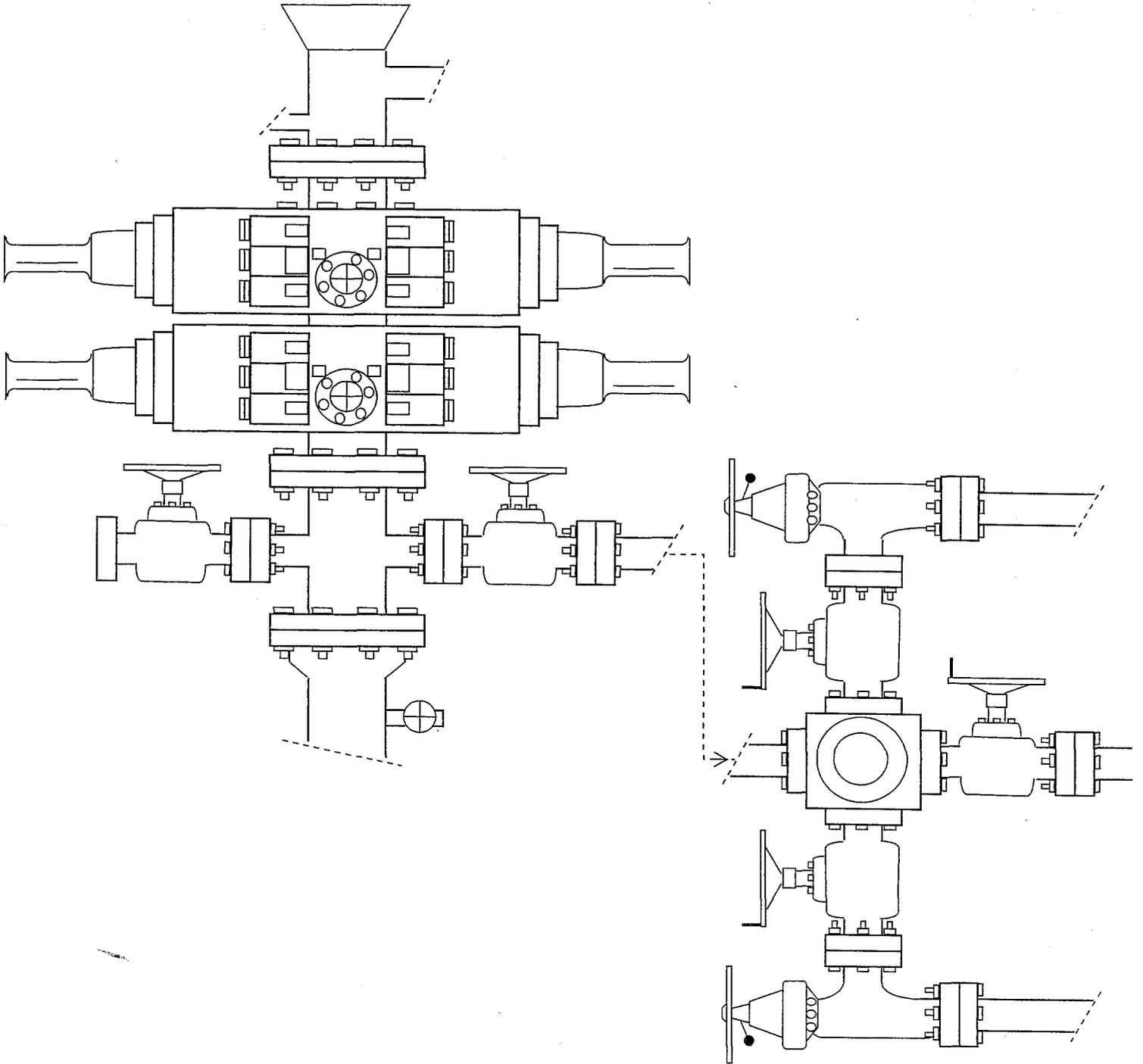


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S BLOCK PARCEL
IN TOWNSHIP 9S, RANGE 16E, SECTION 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: 12/08/2005

API NO. ASSIGNED: 43-013-33004

WELL NAME: FEDERAL 4-24-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:
 NWNW 24 090S 160E
 SURFACE: 0462 FNL 0679 FWL
 BOTTOM: 0462 FNL 0679 FWL
 DUCHESNE
 MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-15855
 SURFACE OWNER: 1 - Federal
 PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

LATITUDE: 40.02245
 LONGITUDE: -110.0741

RECEIVED AND/OR REVIEWED:

Plat

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

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit
 (No. MUNICIPAL)

RDCC Review (Y/N)
 (Date: _____)

Fee Surf Agreement (Y/N)

Intent to Commingle (Y/N)

LOCATION AND SITING:

R649-2-3.
 Unit _____

R649-3-2. General
 Siting: 460 From Qtr/Qtr & 920' Between Wells

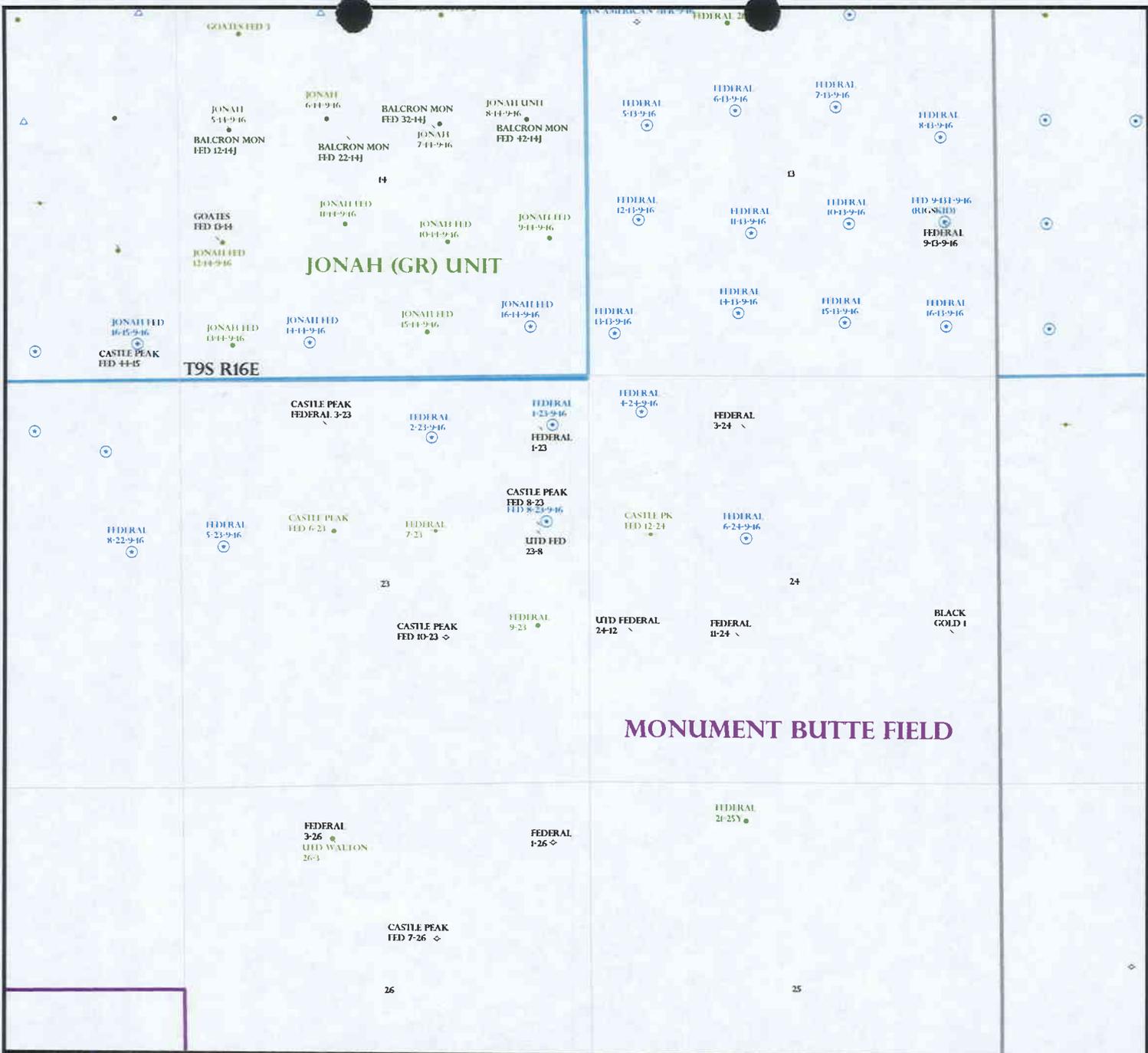
R649-3-3. Exception

Drilling Unit
 Board Cause No: _____
 Eff Date: _____
 Siting: _____

R649-3-11. Directional Drill

COMMENTS: Sep, Separate file

STIPULATIONS: 1- Federal Approval
2- Spacing Dip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 23,24 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

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

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



PREPARED BY: DIANA WHITNEY
DATE: 12-DECEMBER-2005



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

December 12, 2005

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

Re: Federal 4-24-9-16 Well, 462' FNL, 679' FWL, NW NW, 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 43-013-33004.

Sincerely,


for 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 4-24-9-16

API Number: 43-013-33004

Lease: UTU-15855

Location: NW NW 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.

RECEIVED

DEC 07 2005

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

| | | |
|--|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. UTU-15855 |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone | | 6. If Indian, Allottee or Tribe Name N/A |
| 2. Name of Operator Newfield Production Company | | 7. If Unit or CA Agreement, Name and No. N/A |
| 3a. Address Route #3 Box 3630, Myton UT 84052 | 3b. Phone No. (include area code) (435) 646-3721 | 8. Lease Name and Well No. Federal 4-24-9-16 |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 462' FNL 679' FWL At proposed prod. zone | | 9. API Well No. 43-013-33004 |
| 14. Distance in miles and direction from nearest town or post office* Approximatley 18.3 miles southwest of Myton, Utah | | 10. Field and Pool, or Exploratory Monument Butte |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 462' f/lse, NA' f/unit | | 11. Sec., T., R., M., or Blk. and Survey or Area NW/NW Sec. 24, T9S R16E |
| 16. No. of Acres in lease 1200.00 | | 12. County or Parish Duchesne |
| 17. Spacing Unit dedicated to this well 40 Acres | | 13. State UT |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1321' | | 20. BLM/BIA Bond No. on file UT0056 |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5613' GL | | 22. Approximate date work will start* 1st Quarter 2006 |
| | | 23. Estimated duration Approximately seven (7) days from spud to rig release. |

24. Attachments

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

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

| | | |
|---|--|------------------|
| 25. Signature | Name (Printed/Typed) Mandie Crozier | Date 12/6/05 |
| Title Regulatory Specialist | | |
| Approved by (Signature) | Name (Printed/Typed) JERRY KEWELA | Date 9-8-2006 |
| Title Assistant Field Manager & Mineral Resources | Office | |

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

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

*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
RECEIVED

SEP 15 2006

GAS & MINING



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

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



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company **Location:** NWNW, Sec 24, T9S, R16E
Well No: Federal 4-24-9-16 **Lease No:** UTU-15855
API No: 43-013- 33004 **Agreement:** N/A

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

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

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

NOTIFICATION REQUIREMENTS

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

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

- All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
- The proposed buried pipelines will be laid adjacent to the access roads, using the road as a working surface. The pipeline trench shall be dug in the borrow ditch of the road and the trench material side cast into the existing vegetation. Upon completion of backfilling the trenches, reclaim with a seed drill using the seed mix listed below. Seeding shall include the area where the trench material was set aside.
- The proposed action is in Golden eagle nesting habitat. According to the lease, new surface disturbing activities may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of February 1st through July 15th, No new drilling or surface disturbing activities (including road construction) will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities. Additionally, if drilling is anticipated from February 1st through July 15th a new survey for Golden eagle is needed with the exception request.
- Submit a ROW for road and pipelines.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be 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.
- The reserve pit will be lined with a 16 ml or greater liner.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- Drill cuttings and mud will remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit will not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).
- Prevent fill and stock piles from entering drainages.

- Cultural And Paleontological - Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.
- The access road will be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- The boulders >3' found at the surface or above ground will be saved for final reclamation.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.
- Interim Reclamation (see below):
- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is converted to an injection well, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.

Interim Reclamation Seed Mix for location:

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

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

DOWNHOLE CONDITIONS OF APPROVAL

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

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

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

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

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 4-24-9-16

9. API Well No.
43-013-33004

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)
462 FNL 679 FWL NW/NW Section 24, T9S R16E

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

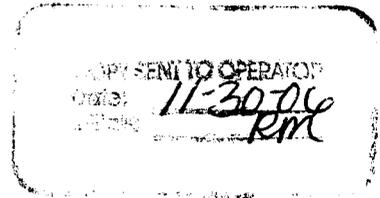
| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other Permit Extension |
| | <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 12/12/05 (expiration 12/12/06).

Approved by the
Utah Division of
Oil, Gas and Mining



Date: 11-28-06
By: [Signature]

RECEIVED
NOV 28 2006
DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier Title Regulatory Specialist Date 11/27/2006
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

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

API: 43-013-33004
Well Name: Federal 4-24-9-16
Location: NW/NW Section 24, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 12/12/2005

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

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

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

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

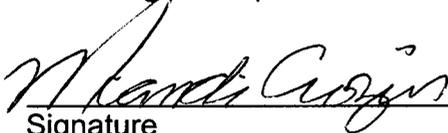
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

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

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

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



Signature

11/27/2006

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
NOV 28 2006
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
2007 SEP 11 PM 1:52
BUREAU OF LAND MGMT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT -" for such proposals

Lease Designation and Serial No.
UTU-15855
Indian, Allottee or Tribe Name
NA

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

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

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

8. Well Name and No.
FEDERAL 4-24-9-16

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

9. API Well No.
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4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
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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 | 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 Permit Extension |
| | <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.)

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Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 9/8/06 (expiration 9/8/07).

CONDITIONS OF APPROVAL ATTACHED

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 9/7/2007
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by Mark Baker Title Petroleum Engineer Date SEP 14 2007

Conditions of approval, if any:

CC: Utah DOGM



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

RECEIVED
OCT 09 2007

CONDITIONS OF APPROVAL

Newfield Production Co.

Notice of Intent APD Extension

Lease: UTU-15855
Well: Fed 4-24-9-16
Location: NWNW Sec24-T9S-R16E

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

1. The extension and APD shall expire on 09/08/08
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

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 4-24-9-16

9. API Well No.
43-013-33004

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)
462 FNL 679 FWL NW/NW 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 Permit Extension |
| | <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 12/12/05 (expiration 12/12/07).

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

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12-04-07
By: [Signature]

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DEC 03 2007
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 12/5/07
Initials: [Signature]

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

Signed [Signature] Title Regulatory Specialist Date 11/30/2007
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM



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

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

API: 43-013-33004
Well Name: Federal 4-24-9-16
Location: NW/NW Section 24, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 12/12/2005

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

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

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

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

M. Curtis
Signature

11/30/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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 DEC 03 2007
 DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 4-24-9-16

Api No: 43-013-33004 Lease Type: FEDERAL

Section 24 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 12/12/07

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by DELL RAY

Telephone # (435) 828-6110

Date 12/12/07 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
USA UTU-15855

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
Federal 4-24-9-16

9. API Well No.
4301333004

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
462 FNL 679 FWL
NWNW 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 12/12/06 MIRU NDSI NS # 1. Spud well @ 10:00 am. Drill 310'of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 316.01' KB. On 12/16/06 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

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

Title
Drilling Foreman

Date
12/20/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 316.01

LAST CASING 8 5/8" set @ 316.01
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 310' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal 4-24-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

| LOG OF CASING STRING: | | | | | | | |
|---|--------|---|----------|-----------------------------|--------|-------|---------------|
| PIECES | OD | ITEM - MAKE - DESCRIPTION | WT / FT | GRD | THREAD | CONDT | LENGTH |
| | | Shoe Joint 41.35' | | | | | |
| | | WHI - 92 csg head | | | 8rd | A | 0.95 |
| 7 | 8 5/8" | Maverick ST&C csg | 24# | J-55 | 8rd | A | 304.16 |
| | | GUIDE shoe | | | 8rd | A | 0.9 |
| CASING INVENTORY BAL. | | FEET | JTS | TOTAL LENGTH OF STRING | | | 306.01 |
| TOTAL LENGTH OF STRING | | 306.01 | 7 | LESS CUT OFF PIECE | | | 2 |
| LESS NON CSG. ITEMS | | 1.85 | | PLUS DATUM TO T/CUT OFF CSG | | | 12 |
| PLUS FULL JTS. LEFT OUT | | 0 | | CASING SET DEPTH | | | 316.01 |
| TOTAL | | 304.16 | 7 | } COMPARE | | | |
| TOTAL CSG. DEL. (W/O THRDS) | | 304.16 | 7 | | | | |
| TIMING | | 1ST STAGE | | | | | |
| BEGIN RUN CSG. | Spud | 12/12/2007 | 10:00 AM | GOOD CIRC THRU JOB | | | YES |
| CSG. IN HOLE | | 12/12/2007 | 3:30 PM | Bbls CMT CIRC TO SURFACE | | | 3 |
| BEGIN CIRC | | 12/16/2007 | 12:38 PM | RECIPROCATED PIPE FOR | | | N/A |
| BEGIN PUMP CMT | | 12/16/2007 | 12:45 PM | | | | |
| BEGIN DSPL. CMT | | 12/16/2007 | 12:58 PM | BUMPED PLUG TO | | | 102 PSI |
| PLUG DOWN | | 12/16/2007 | 1:03 PM | | | | |
| CEMENT USED | | CEMENT COMPANY- B. J. | | | | | |
| STAGE | # SX | CEMENT TYPE & ADDITIVES | | | | | |
| 1 | 160 | Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield | | | | | |
| CENTRALIZER & SCRATCHER PLACEMENT | | SHOW MAKE & SPACING | | | | | |
| Centralizers - Middle first, top second & third for 3 | | | | | | | |

COMPANY REPRESENTATIVE Jim Smith DATE 12/16/2007

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

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

OPERATOR ACCT. NO. N2695

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | WELL LOCATION | | | | SPUD DATE | EFFECTIVE DATE | |
|------------------------------|--------------------|----------------|--------------------------|---------------------------------|---------------|----|----|-----|-----------|----------------|----------|
| | | | | | QQ | SC | TP | RG | | | COUNTY |
| A | 99999 | 16568 | 4310333002 | FEDERAL 1-23-9-16 | NENE | 23 | 9S | 16E | DUCHESNE | 12/13/2007 | 12/31/07 |
| WELL 1 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| A | 99999 | 16570 | 4301333004 | FEDERAL 4-24-9-16 | NWNW | 24 | 9S | 16E | DUCHESNE | 12/12/2007 | 12/31/07 |
| WELL 2 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| A | 99999 | 16567 | 4301332961 4301332301 | FEDERAL 8-23-9-16 | SENE | 23 | 9S | 16E | DUCHESNE | 12/13/2007 | 12/31/07 |
| WELL 3 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| R | 99999 | 12276 | 4301333520 430133520 | Wells Draw FEDERAL H-5-9-16 | NENW | 5 | 9S | 16E | DUCHESNE | 12/14/2007 | 12/31/07 |
| WELL 4 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| B | 99999 | 12417 | 4301333309 | LONE TREE FEDERAL 12-22-9-17 | NWSW | 22 | 9S | 17E | DUCHESNE | 12/17/2007 | 12/31/07 |
| WELL 5 COMMENTS: <i>GRRV</i> | | | | | | | | | | | |
| | | | | | | | | | | | |
| WELL 6 COMMENTS: | | | | | | | | | | | |

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (gruv or u-v well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - first (explain in comments section)

Tammi Lee
 Signature

Tammi Lee

Production Clerk

12/18/07

Date

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

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 DEC 20 2007
 DIVISION OF OIL, GAS & MINING

(See other instructions on reverse side)

OMB NO. 1004-0137
Expires: February 28, 1995

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.

UTU-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

CASTLE PEAK

8. FARM OR LEASE NAME, WELL NO.

FEDERAL 4-24-9-16

9. WELL NO.

43-013-33004

10. FIELD AND POOL OR WILDCAT

MONUMENT BUTTE

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC 24, T9S, R16E

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 462' FNL & 679' FWL NWNW

At top prod. Interval reported below

At total depth

14. API NO. 43-013-33004 DATE ISSUED 12/12/07

12. COUNTY OR PARISH DUCHESNE 13. STATE UT

15. DATE SPUDDED 12/12/07 16. DATE T.D. REACHED 1/07/08 17. DATE COMPL. (Ready to prod.) 2/26/08 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5613' GL 5625' KN 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5775' 21. PLUG BACK T.D., MD & TVD 5705' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY -----> 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* GREEN RIVER 4018'-5360' 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

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# | 316.01' | 12 1/4 | To surface w/ 160sx of class "G" cement | |
| 5-1/2" J-55 | 15.5# | 5758.33' | 7 7/8 | 300 sx of Premlite II & 400 sx 50/50 poz | |

LINER RECORD

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

TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 2-7/8" | EOT @ 5400' | TA @ 5310' |

31. PERFORATION RECORD (Interval, size and number)

INTERVAL SIZE SPF/NUMBER

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

| PERFORATION | SIZE | SPF/NUMBER | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|--|------|------------|---------------------|--|
| CP1sds 5350'-5360' | .49" | 4/40 | 5350'-5360' | Frac w/ 19538 #'s of 20/40 sand in 318 bbls of fluid |
| LODC 5062'-5068' | .49" | 4/24 | 5062'-5068' | Frac w/ 14448 #'s of 20/40 sand in 367 bbls of fluid |
| A1 sds 4893'-4900', A3 sds 4936'-4947' | .49" | 4/72 | 4893'-4947' | Frac w/ 79356 #'s of 20/40 sand in 628 bbls of fluid |
| D1 sds 4481'-4491' | .49" | 4/40 | 4481'-4491' | Frac w/ 54904 #'s of 20/40 sand in 482 bbls of fluid |
| GB6 sds 4018'-4032' | .49" | 4/56 | 4018'-4032' | Frac w/ 74458 #'s of 20/40 sand in 594 bbls of fluid |

33.* **PRODUCTION**

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) | WELL STATUS (Producing or shut-in) | | | | | |
|-----------------------|---|------------------------------------|-------------------------|-----------|-------------|-------------------------|---------------|
| 2/26/08 | 2 1/2" X 1 1/2" X 12 X 19 1/2' RHAC PUMP | PRODUCING | | | | | |
| DATE OF TEST | HOURS TESTED | CHOKER SIZE | PROD'N. FOR TEST PERIOD | OIL--BBL. | GAS--MCF. | WATER--BBL. | GAS-OIL RATIO |
| 10 day ave | | | --- | 399 | 21 | 577 | 332 |
| 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.)

Used for Fuel

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
 SIGNED: Tammi Lee TITLE: Production Technician DATE: 3/11/2008

**RECEIVED
MAR 12 2008**

DIV. OF OIL, GAS & MINING

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

| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); | 38. GEOLOGIC MARKERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|------------------|--------|---|------|-----|--|-------------|------------------|------------------|-------|--|----------------|-------|--|----------------|-------|--|-------------|-------|--|-------|-------|--|-------|-------|--|-------------------|-------|--|-----------------|-------|--|-----------------|-------|--|-------------|-------|--|-----------------|-------|--|---------|---|--|-----------------------|-------|--|
| | FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <p style="text-align: center;">Well Name Federal 4-24-9-16</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <table border="1"> <thead> <tr> <th rowspan="2">NAME</th> <th colspan="2">TOP</th> </tr> <tr> <th>MEAS. DEPTH</th> <th>TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Garden Gulch Mkr</td> <td>3450'</td> <td></td> </tr> <tr> <td>Garden Gulch 1</td> <td>3658'</td> <td></td> </tr> <tr> <td>Garden Gulch 2</td> <td>3771'</td> <td></td> </tr> <tr> <td>Point 3 Mkr</td> <td>4036'</td> <td></td> </tr> <tr> <td>X Mkr</td> <td>4282'</td> <td></td> </tr> <tr> <td>Y-Mkr</td> <td>4316'</td> <td></td> </tr> <tr> <td>Douglas Creek Mkr</td> <td>4438'</td> <td></td> </tr> <tr> <td>BiCarbonate Mkr</td> <td>4672'</td> <td></td> </tr> <tr> <td>B Limestone Mkr</td> <td>4780'</td> <td></td> </tr> <tr> <td>Castle Peak</td> <td>5277'</td> <td></td> </tr> <tr> <td>Basal Carbonate</td> <td>5726'</td> <td></td> </tr> <tr> <td>Wasatch</td> <td>0</td> <td></td> </tr> <tr> <td>Total Depth (Loggers)</td> <td>5769'</td> <td></td> </tr> </tbody> </table> | NAME | TOP | | MEAS. DEPTH | TRUE VERT. DEPTH | Garden Gulch Mkr | 3450' | | Garden Gulch 1 | 3658' | | Garden Gulch 2 | 3771' | | Point 3 Mkr | 4036' | | X Mkr | 4282' | | Y-Mkr | 4316' | | Douglas Creek Mkr | 4438' | | BiCarbonate Mkr | 4672' | | B Limestone Mkr | 4780' | | Castle Peak | 5277' | | Basal Carbonate | 5726' | | Wasatch | 0 | | Total Depth (Loggers) | 5769' | |
| NAME | TOP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MEAS. DEPTH | TRUE VERT. DEPTH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garden Gulch Mkr | 3450' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garden Gulch 1 | 3658' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Garden Gulch 2 | 3771' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Point 3 Mkr | 4036' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X Mkr | 4282' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Y-Mkr | 4316' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Douglas Creek Mkr | 4438' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BiCarbonate Mkr | 4672' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B Limestone Mkr | 4780' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Castle Peak | 5277' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basal Carbonate | 5726' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wasatch | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Depth (Loggers) | 5769' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NEWFIELD



Well Name: Federal 4-24-9-16
 LOCATION: S24, T9S, R16E
 COUNTY/STATE: Duchesne
 API: 43-013-33004

Spud Date: 12-12-07
 TD: 5775
 CSG: 1-8-08
 POP: 2-26-08

| DATE | HRS | Oil (bbls) | Water (bbls) | Recovered Water (bbls) | Gas (mcf) | Casing Pressure (psi) | SPM | Comments |
|-----------|-----|------------|--------------|------------------------|-----------|-----------------------|-------|--|
| 2/26/2008 | | | | 2144 | | | | POP @ 6:30 P.M. w/ 102" SL @ 5 SPM. 2144 Total water to recover. |
| 2/27/2008 | | | | 2144 | | | | |
| 2/28/2008 | 24 | 56 | 50 | 2094 | 12 | 0 | 6 | |
| 2/29/2008 | 24 | 18 | 90 | 2004 | 6 | 25 | 4 1/2 | |
| 3/1/2008 | 24 | 6 | 80 | 1924 | 5 | 70 | 4 1/2 | |
| 3/2/2008 | 24 | 5 | 65 | 1859 | 3 | 70 | 4 1/2 | |
| 3/3/2008 | 24 | 0 | 104 | 1755 | 6 | 35 | 4 1/2 | |
| 3/4/2008 | 24 | 55 | 55 | 1700 | 3 | 60 | 4 1/2 | |
| 3/5/2008 | 24 | 32 | 59 | 1641 | 2 | 56 | 6 | |
| 3/6/2008 | 24 | 50 | 52 | 1589 | 0 | 58 | 6 | |
| 3/7/2008 | 24 | 83 | 37 | 1552 | 0 | 60 | 6 | |
| 3/8/2008 | 24 | 49 | 67 | 1485 | 0 | 58 | 6 | |
| 3/9/2008 | 24 | 62 | 38 | 1447 | 0 | 50 | 6 | |
| 3/10/2008 | 24 | 57 | 20 | 1427 | 2 | 58 | 6 | |
| 3/11/2008 | | | | 1427 | | | | |
| 3/12/2008 | | | | 1427 | | | | |
| 3/13/2008 | | | | 1427 | | | | |
| 3/14/2008 | | | | 1427 | | | | |
| 3/15/2008 | | | | 1427 | | | | |
| 3/16/2008 | | | | 1427 | | | | |
| 3/17/2008 | | | | 1427 | | | | |
| 3/18/2008 | | | | 1427 | | | | |
| 3/19/2008 | | | | 1427 | | | | |
| 3/20/2008 | | | | 1427 | | | | |
| 3/21/2008 | | | | 1427 | | | | |
| 3/22/2008 | | | | 1427 | | | | |
| 3/23/2008 | | | | 1427 | | | | |
| 3/24/2008 | | | | 1427 | | | | |
| 3/25/2008 | | | | 1427 | | | | |
| 3/26/2008 | | | | 1427 | | | | |
| 3/27/2008 | | | | 1427 | | | | |
| 3/28/2008 | | | | 1427 | | | | |
| | | 473 | 717 | | 39 | | | |

50451

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.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
 Myton UT 84052

3b. Phone (include are code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 462 FNL 679 FWL
 NWNW Section 24 T9S R16E

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 4-24-9-16

9. API Well No.
 4301333004

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple 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 recomple 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 1/03/08 MIRU NDSI Rig # 3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5775'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 133 jt's of 5.5 J-55, 15.5# csgn. Set @ 5758.33'/ KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 10 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 6:00 AM on 1/08/08.

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

Signature: 

Title
 Drilling Foreman

Date
 04/01/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

RECEIVED

APR 03 2008

DIV. OF OIL, GAS & MINING

5 1/2" CASING SET AT 5758.33

43013 33004

LAST CASING 8 5/8" SET @ 316.01
 DATUM 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE
 TD DRILLER 5775' LOGGER 5768'
 HOLE SIZE 7 7/8"

Flt cllr @ 5701'
 OPERATOR Newfield Production Company
 WELL Federal 4-24-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI Rig # 3

LOG OF CASING STRING:

| PIECES | OD | ITEM - MAKE - DESCRIPTION | WT / FT | GRD | THREAD | CONDT | LENGTH |
|---|--------|---|-----------|--------------------------------------|--------|-------|----------------|
| | | Landing Jt | | | | | 14 |
| | | Short jt @ 3932'/19.72' | | | | | |
| | 5 1/2" | ETC LT & C casing | 15.5# | J-55 | 8rd | A | 5701.67 |
| | | | | | | | 0.6 |
| 1 | 5 1/2" | ETC LT&C csg | 15.5# | J-55 | 8rd | A | 43.41 |
| | | GUIDE shoe | | | 8rd | A | 0.65 |
| CASING INVENTORY BAL. | | FEET | JTS | TOTAL LENGTH OF STRING | | | 5760.33 |
| TOTAL LENGTH OF STRING | | 5760.33 | 133 | LESS CUT OFF PIECE | | | 14 |
| LESS NON CSG. ITEMS | | 15.25 | | PLUS DATUM TO T/CUT OFF CSG | | | 12 |
| PLUS FULL JTS. LEFT OUT | | 473.07 | 11 | CASING SET DEPTH | | | 5758.33 |
| TOTAL | | 6218.15 | 144 | } COMPARE | | | |
| TOTAL CSG. DEL. (W/O THRDS) | | 6218.15 | 144 | | | | |
| TIMING | | 1ST STAGE | 2nd STAGE | | | | |
| BEGIN RUN CSG. | | 1/7/2008 | 8:00 PM | GOOD CIRC THRU JOB YES | | | |
| CSG. IN HOLE | | 1/8/2008 | 12:45 AM | Bbls CMT CIRC TO SURFACE 10 | | | |
| BEGIN CIRC | | 1/8/2008 | 1:00 AM | RECIPROCATED PIPE FOR THRU FT STROKE | | | |
| BEGIN PUMP CMT | | 1/8/2008 | 2:52 AM | DID BACK PRES. VALVE HOLD ? YES | | | |
| BEGIN DSPL. CMT | | 1/8/2008 | 3:38 AM | BUMPED PLUG TO 1800 PSI | | | |
| PLUG DOWN | | 1/8/2008 | 4:02 AM | | | | |
| CEMENT USED | | CEMENT COMPANY- B. J. | | | | | |
| STAGE | # SX | CEMENT TYPE & ADDITIVES | | | | | |
| 1 | 300 | Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake | | | | | |
| | | mixed @ 11.0 ppg W / 3.43 cf/sk yield | | | | | |
| 2 | 400 | 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD | | | | | |
| CENTRALIZER & SCRATCHER PLACEMENT | | SHOW MAKE & SPACING | | | | | |
| Centralizers - Middle first, top second & third. Then every third collar for a total of 20. | | | | | | | |

COMPANY REPRESENTATIVE Jim Smith DATE 1/7/2008

| | | |
|--|-----------------------------------|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| | | 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: GMBU (GRRV) |
| 1. TYPE OF WELL Oil Well | | 8. WELL NAME and NUMBER: FEDERAL 4-24-9-16 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | | 9. API NUMBER: 43013330040000 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052 | PHONE NUMBER: 435 646-4825 Ext | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0462 FNL 0679 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 24 Township: 09.0S Range: 16.0E Meridian: S | | COUNTY: DUCHESNE |
| | | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/27/2014 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input checked="" type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

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

The subject well has been converted from a producing oil well to an injection well on 10/23/2014. 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 1379 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 350 psig during the test. There was a State representative available to witness the test - Richard Powell.

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

Date: ~~November 10, 2014~~
By: 

| | | |
|--|------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 10/30/2014 | |

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

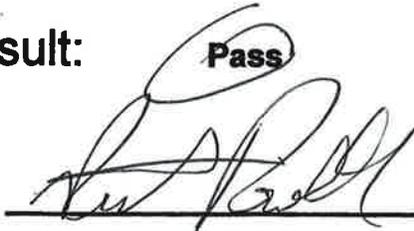
Witness: Richard Powell Date 10/27/14 Time 11:30 am pm
Test Conducted by: Jonny Daniels
Others Present: _____

Well: Federal 4-24-9-16 Field: GMBH
Well Location: NW/NW Sec. 24, T4S, R16E API No: 43-013-33004
Duchesne county

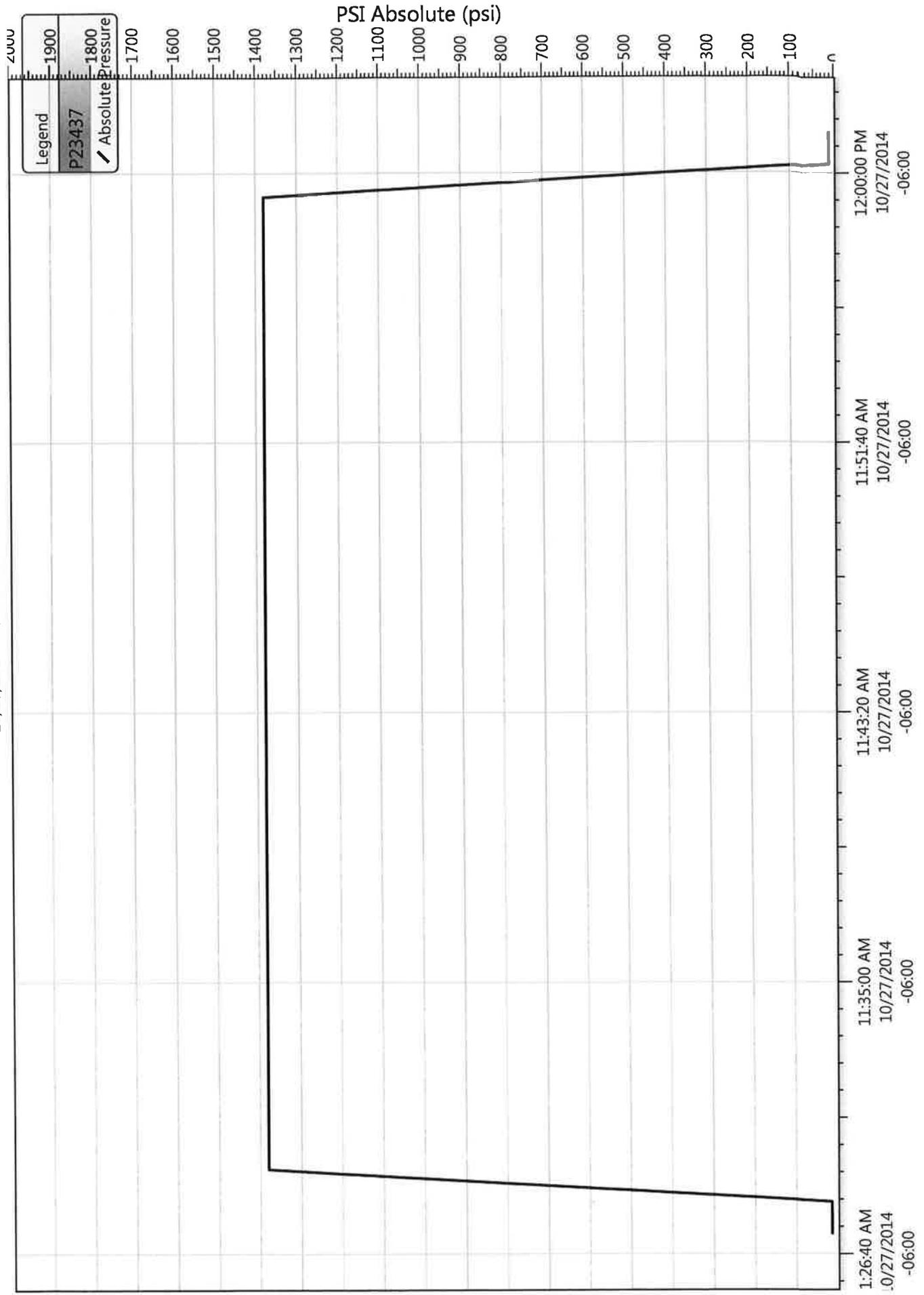
| <u>Time</u> | <u>Casing Pressure</u> | |
|-------------|------------------------|------|
| 0 min | <u>1380</u> | psig |
| 5 | <u>1380</u> | psig |
| 10 | <u>1379</u> | psig |
| 15 | <u>1379</u> | psig |
| 20 | <u>1379</u> | psig |
| 25 | <u>1379</u> | psig |
| 30 min | <u>1379</u> | psig |
| 35 | | psig |
| 40 | | psig |
| 45 | | psig |
| 50 | | psig |
| 55 | | psig |
| 60 min | | psig |

Tubing pressure: 350 psig

Result: Pass Fail

Signature of Witness: 
Signature of Person Conducting Test: _____

Federal 4-24-9-16
10/27/2014 11:26:59 AM



NEWFIELD

Schematic

Well Name: Federal 4-24-9-16

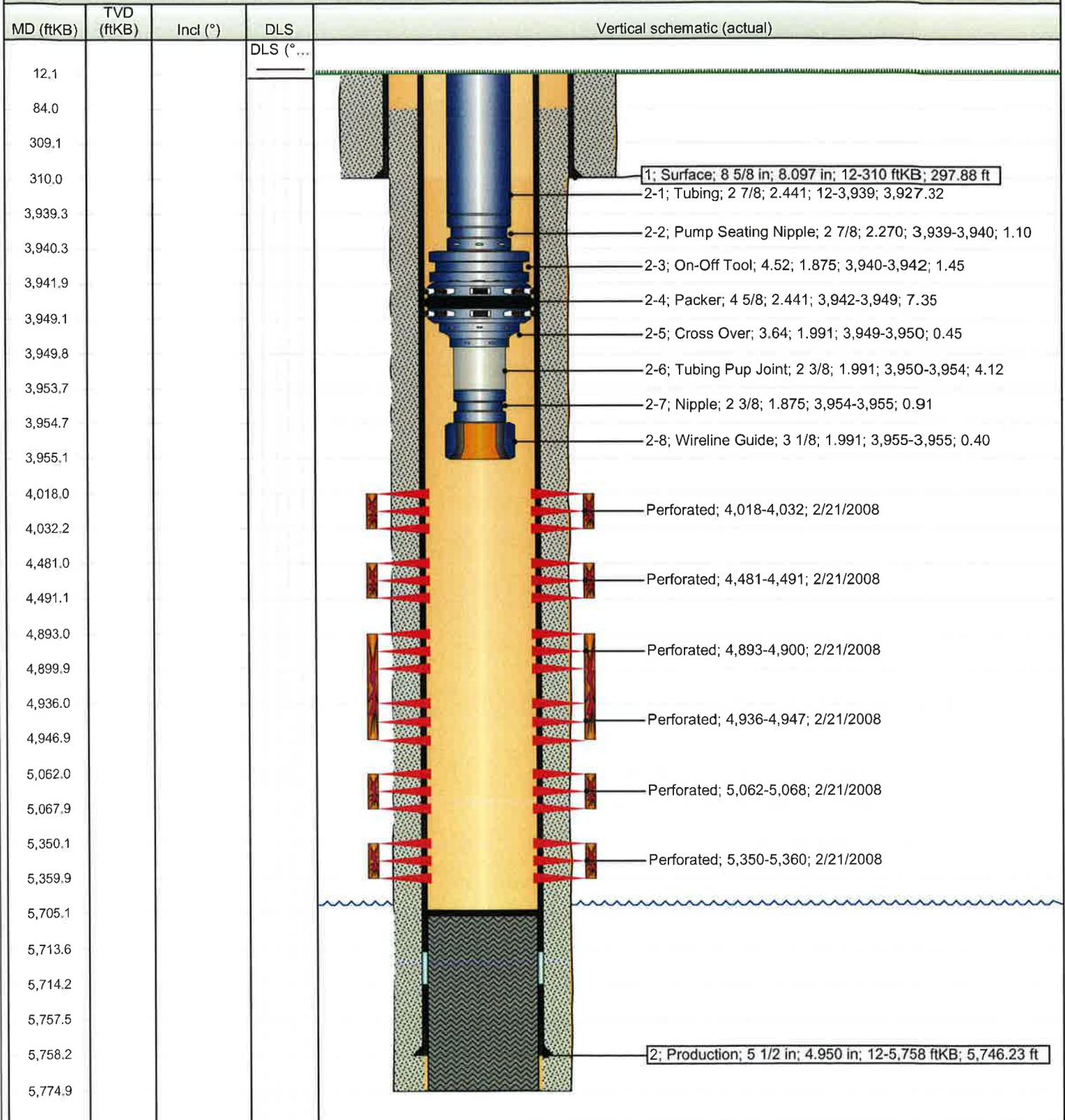
| | | | | | | | |
|-------------------------------------|------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location 24-9S-16E | | API/UWI 43013330040000 | Well RC 500159014 | Lease | State/Province Utah | Field Name GMBU CTB6 | County DUCHESNE |
| Spud Date 12/12/2007 | Rig Release Date 1/8/2008 | On Production Date 2/27/2008 | Original KB Elevation (ft) 5,625 | Ground Elevation (ft) 5,613 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB) Original Hole - 5,705.0 | |

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: 5,775.0

Vertical - Original Hole, 10/29/2014 9:44:22 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 4-24-9-16**

| | | | | | |
|-------------------------------------|--|--------------------------------|--|--|--|
| Surface Legal Location 24-9S-16E | | API/UWI 43013330040000 | | Lease | |
| County DUCHESNE | | State/Province Utah | | Basin Uintah Basin | |
| Well Start Date 12/12/2007 | | Spud Date 12/12/2007 | | Final Rig Release Date 1/8/2008 | |
| Original KB Elevation (ft) 5,625 | | Ground Elevation (ft) 5,613 | | Total Depth (ftKB) 5,775.0 | |
| | | | | Total Depth All (TVD) (ftKB) | |
| | | | | PBTD (All) (ftKB) Original Hole - 5,705.0 | |

Casing Strings

| Csg Des | Run Date | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) |
|------------|------------|---------|---------|----------------|-------|------------------|
| Surface | 12/12/2007 | 8 5/8 | 8.097 | 24.00 | J-55 | 310 |
| Production | 1/7/2008 | 5 1/2 | 4.950 | 15.50 | J-55 | 5,758 |

Cement**String: Surface, 310ftKB 12/16/2007**

| | | | | |
|---|--------------------------|------------------------------|--------------|------------------------------|
| Cementing Company BJ Services Company | Top Depth (ftKB) 12.0 | Bottom Depth (ftKB) 310.0 | 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, 5,758ftKB 1/8/2008

| | | | | |
|--|--------------------------|--------------------------------|----------------------|---------------------------------|
| Cementing Company BJ Services Company | Top Depth (ftKB) 84.0 | Bottom Depth (ftKB) 5,775.0 | 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) 300 | Class Premlite II | Estimated Top (ftKB) 84.0 |
| 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) | Btn (ftKB) |
| Tubing | 121 | 2 7/8 | 2.441 | 6.50 | J-55 | 3,927.32 | 12.0 | 3,939.3 |
| Pump Seating Nipple | 1 | 2 7/8 | 2.270 | | | 1.10 | 3,939.3 | 3,940.4 |
| On-Off Tool | 1 | 4.515 | 1.875 | | | 1.45 | 3,940.4 | 3,941.9 |
| Packer | 1 | 4 5/8 | 2.441 | | | 7.35 | 3,941.9 | 3,949.2 |
| Cross Over | 1 | 3.635 | 1.991 | | | 0.45 | 3,949.2 | 3,949.7 |
| Tubing Pup Joint | 1 | 2 3/8 | 1.991 | | | 4.12 | 3,949.7 | 3,953.8 |
| Nipple | 1 | 2 3/8 | 1.875 | | | 0.91 | 3,953.8 | 3,954.7 |
| Wireline Guide | 1 | 3 1/8 | 1.991 | | | 0.40 | 3,954.7 | 3,955.1 |

Rod Strings

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

Perforation Intervals

| Stage# | Zone | Top (ftKB) | Btn (ftKB) | Shot Dens (shots/ft) | Phasing (*) | Nom Hole Dia (in) | Date |
|--------|------------------------|------------|------------|----------------------|-------------|-------------------|-----------|
| 5 | GB6, Original Hole | 4,018 | 4,032 | 4 | | | 2/21/2008 |
| 4 | D1, Original Hole | 4,481 | 4,491 | 4 | | | 2/21/2008 |
| 3 | A1 & A3, Original Hole | 4,893 | 4,900 | 4 | | | 2/21/2008 |
| 3 | A1 & A3, Original Hole | 4,936 | 4,947 | 4 | | | 2/21/2008 |
| 2 | LODC, Original Hole | 5,062 | 5,068 | 4 | | | 2/21/2008 |
| 1 | CP1, Original Hole | 5,350 | 5,360 | 4 | | | 2/21/2008 |

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) |
|--------|------------|------------------------|--------------------|---------------|-----------------------|------------------------|-----------------|
| 4 | 2,153 | 0.91 | 23.3 | 2,155 | | | |
| 2 | 3,354 | 1.1 | 23.2 | 3,134 | | | |
| 5 | 1,788 | 0.88 | 23.3 | 2,795 | | | |
| 1 | 2,169 | 0.84 | 23.2 | 2,490 | | | |
| 3 | 2,069 | 0.86 | 23.2 | 2,954 | | | |

Proppant

| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount |
|--------|----------------------------|------------------------------|
| 4 | | Proppant White Sand 54904 lb |
| 2 | | Proppant White Sand 14448 lb |
| 5 | | Proppant White Sand 74458 lb |
| 1 | | Proppant White Sand 19538 lb |
| 3 | | Proppant White Sand 79356 lb |



Job Detail Summary Report

Well Name: Federal 4-24-9-16

| | | |
|--------------------------------|------------------------------|----------------------------|
| 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 Rig Move. MIRU | Start Time 11:00 | End Time 12:00 | Comment RIG MOVE |
| Start Time 12:00 | End Time 18:30 | Comment MIRU NC#4, Change Out Guidewires For Shorter Ones, R/U Preferred H/Oiler To Csg, Pmp 60BW @ 250", R/D Pmp Unit, Pull Pmp Off Seat, Flush W/30BW, Soft Seat Rod Pmp, Fill W/10BW, Psr Tst Tbg To 3500psi, Good Tst, Pull Pmp Off Seat, POOH & L/D Rod String As Followed-1 1/2X26' Polish Rod, 1-2', 4' & 6' 3/4 Ponyms, 99-3/4 4 Pers, 89-3/4 Slicks, 20-3/4 4 Pers, 6 Wt Bars & 1 Rod Pmp, SWI, 6:30PM CSDFN | Start Time 18:30 | End Time 19:00 | Comment C/TRVL |
| Report Start Date 10/22/2014 | Report End Date 10/22/2014 | 24hr Activity Summary TOOH | Start Time 05:30 | End Time 06:00 | Comment C/TRVL |
| Start Time 06:00 | End Time 18:30 | Comment OWU, N/D W/H-D, P/U 8' Tbg Sub, N/U BOPs, R/U Rig Flr, R/U Tbg Eqp, Release T/A, L/D 8' Tbg Sub, TOOH W/Tbg, Brake & Dope 125jts 2 7/8 Tbg W/Lubon 404G Dope, Wait On Runners Trailer To L/D Tbg On, L/D 44jts, T/A, 2jts, S/N, 2jts & N/C, P/U & RIH W/Guide Collar, X/N Nipple, 4' 2 3/8 Tbg Pup, X/O, 5 1/2 Stacked Arrow Set Pkr, On/Off Tool, S/N & 655jts Tbg, SWI | Start Time 18:30 | End Time 19:00 | Comment C/TRVL |
| Report Start Date 10/23/2014 | Report End Date 10/23/2014 | 24hr Activity Summary TIH PKR ASSY | Start Time 05:30 | End Time 06:00 | Comment C/TRVL |
| Start Time 06:00 | End Time 18:30 | Comment OWU, RIH W/125 Jts 2 7/8 J-55 Tbg, S/N, On/Off Tool, Stacked 5 1/2" Arrow Set Pkr, X/O, 4' 2 3/8 Tbg Pup, X/N Nipple, & Guide Collar, Pmp 10BW Pad, Drop S/Vive, Fill W/20BW, Psr Tst Tbg To 3000psi, Watch Psr, Held 3050psi For One Hour, Good Tst, R/U S/Lne W/Baby Red Fishing Tool, P/U & RIH, Latch Onto S/Vive, Pull Off Seat, POOH W/S/vive, L/D & R/D S/Lne, P/U 8' Tbg Pup, R/D Tbg Eqp, R/D Rig Flr, N/D BOPs, N/U W/H-D, Pmp 60BW W/Pkr Fluid In It, N/D W/H-D, Set Pkr In 17K# Tension, L/D 8' Tbg Sub & W/H-D, N/U Injection Tree, Fill Csg W/18BW, Psr Tst Csg To 1500psi, Watch Psr, Pkr Held 1410psi For One Hour, Call For MIT Hand, Wait On MIT Hand, R/U MIT Hand, MIT Csg, Test Good, R/D MIT Hand, R/D & M/O NC#4 @ 6:30PM, 6:30PM CSDFN | Start Time 18:30 | End Time 19:00 | Comment C/TRVL |
| Report Start Date 10/27/2014 | Report End Date 10/27/2014 | 24hr Activity Summary CONDUCT MIT | Start Time 11:30 | End Time 12:00 | Comment 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 1379 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 350 psig during the test. There was a State representative available to witness the test - Richard Powell. |

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855 |
| 1. TYPE OF WELL Water Injection Well | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052 | 8. WELL NAME and NUMBER: FEDERAL 4-24-9-16 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0462 FNL 0679 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 24 Township: 09.0S Range: 16.0E Meridian: S | 9. API NUMBER: 43013330040000 |
| 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE | COUNTY: DUCHESNE |
| 9. API NUMBER: 43013330040000 | STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/8/2014 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input checked="" type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

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

The above reference well was put on injection at 9:45 AM on 12/08/2014.

Accepted by the Utah Division of Oil, Gas and Mining

Date: ~~December 18, 2014~~

By:

| | | |
|--|------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Lucy Chavez-Naupoto | PHONE NUMBER 435 646-4874 | TITLE Water Services Technician |
| SIGNATURE N/A | DATE 12/10/2014 | |



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

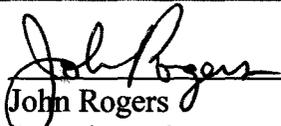
Cause No. UIC-422

Operator: Newfield Production Company
Well: Federal 4-24-9-16
Location: Section 24, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33004
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 2, 2014.
2. Maximum Allowable Injection Pressure: 1,762 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,773' – 5,705').
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

11/13/2014
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





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

September 2, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 4-24-9-16, Section 24, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33004

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 3,773 feet in the Federal 4-24-9-16 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,

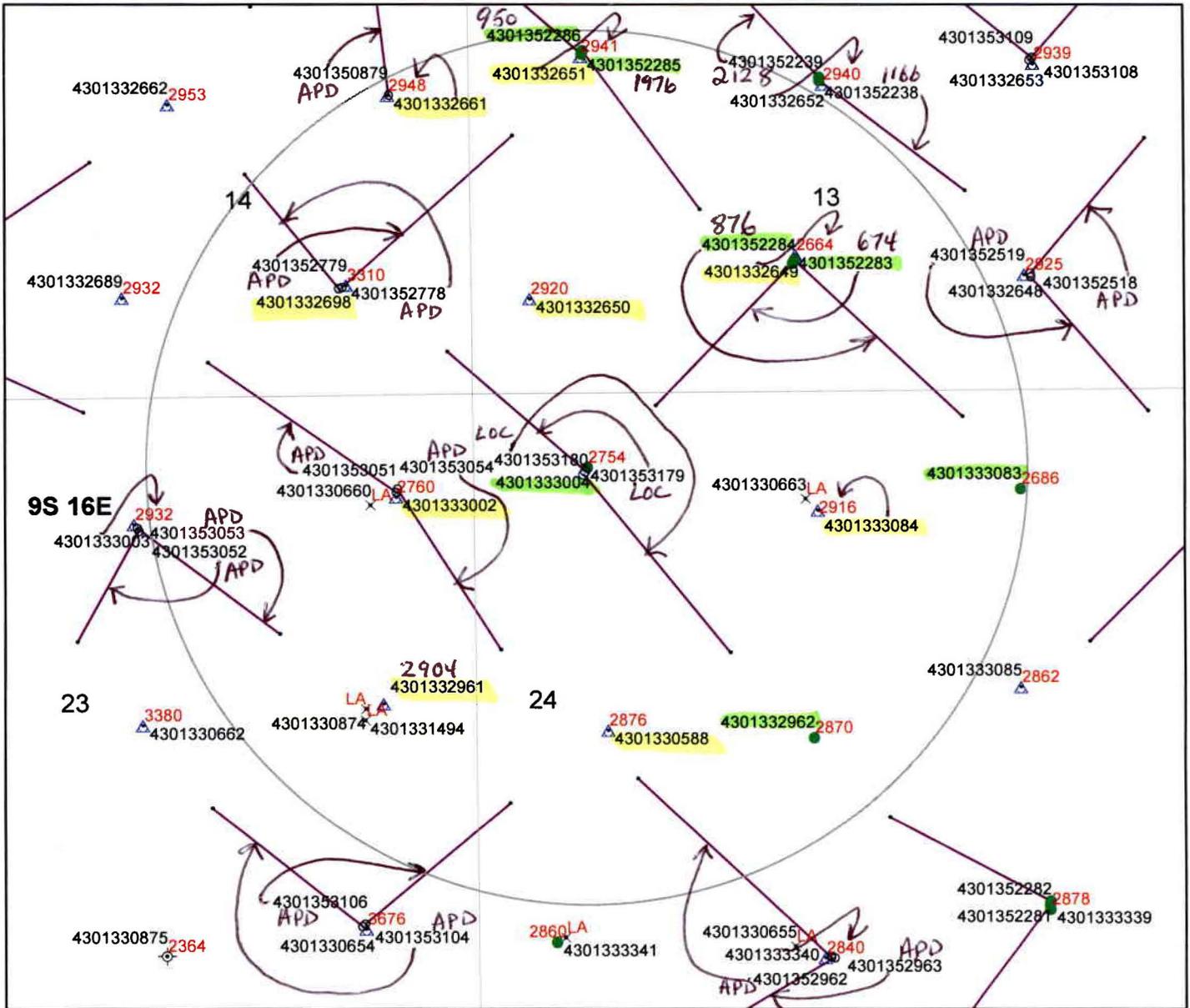
John Rogers
Associate Director

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





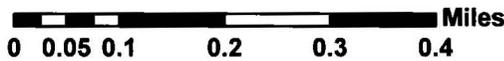
Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} 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
- △ WIW-Water Injection Well
- WSW-Water Supply Well

**Cement Bond Tops
Federal 4-24-9-16
API #43-013-33004
UIC-422.2**

(Updated 4/12/2014)



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

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

Applicant: Newfield Production Company **Well:** Federal 4-24-9-16

Location: 24/9S/16E **API:** 43-013-33004

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 316 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,758 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to at least 2,754 feet or higher. A 2 7/8 inch tubing with a packer is proposed to be set at 3,968 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 (11/12/2014), based on surface locations, there are 7 producing wells and 9 injection wells 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 approved surface locations inside the AOR for directional wells to be drilled to bottom hole locations outside the AOR and 3 approved surface locations outside the AOR for directional wells to be drilled to bottom hole locations 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 1800 feet. Injection shall be limited to the interval between 3,773 feet and 5,705 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-24-9-16 well is 0.88 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,762 psig. The requested maximum pressure is 1,762 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 4-24-9-16

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.

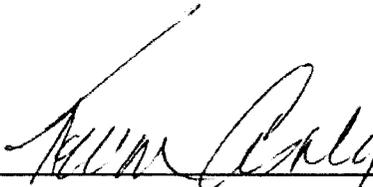
Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 5/27/2014 (rev. 8/25/14 and 11/12/14)

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 10 day of June, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 10 day of June, 20 14, 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.

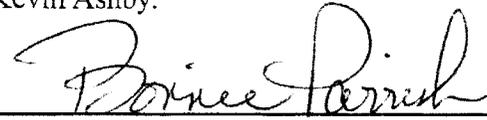


Publisher

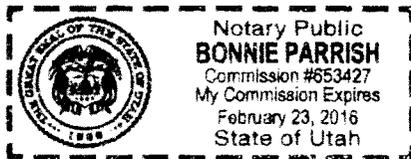
Subscribed and sworn to before me on this

10 day of June, 20 14

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-422

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 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, tele-

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 28th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
Brad Hill
Permitting Manager
Published in the Uintah Basin Standard June 10, 2014.

phone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Federal 2-24-9-16 well located in NW/4 NE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33083

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

API 43-013-33004

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

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-422

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 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.

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Greater Monument Butte Unit:

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API 43-013-33083

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Dated this 28th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

FEDERAL 2-24-9-16, FEDERAL 4-24-9-16

Cause No. UIC-422

Publication Notices were sent to the following:

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

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

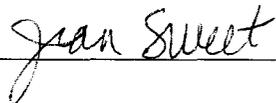
Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubslegals@ubmedia.biz

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

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

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

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





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 3, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-422

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-422

1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz>
To: Jean Sweet <jsweet@utah.gov>

Thu, Jun 5, 2014 at 12:56 PM

On 6/3/2014 10:00 AM, Jean Sweet wrote:

To Whom It May Concern:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

–

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

It will run June 10.

Thank you,
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 3, 2014

Via email: 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-422

To Whom It May Concern:

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

Please send proof of publication and billing 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 #000962525-01

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

| | | | | |
|----------------------------|-----------------|--------------------|-------------------|-------------------|
| Total Amount | \$206.60 | | | |
| Payment Amt | \$0.00 | | | |
| Amount Due | \$206.60 | Tear Sheets | Proofs | Affidavits |
| | | 0 | 0 | 1 |
| Payment Method | | PO Number | CAUSE NO. UIC-422 | |
| Confirmation Notes: | | | | |
| Text: | Jean | | | |

| | | |
|----------------|----------------|--------------|
| Ad Type | Ad Size | Color |
| Legal Liner | 2.0 X 60 Li | <NONE> |

| | | |
|---------------------------|---------------------------|-------------------------|
| Product | Placement | Position |
| Salt Lake Tribune:: | Legal Liner Notice - 0998 | 998-Other Legal Notices |
| Scheduled Date(s): | 6/4/2014 | |
| Product | Placement | Position |
| Deseret News:: | Legal Liner Notice - 0998 | 998-Other Legal Notices |
| Scheduled Date(s): | 6/4/2014 | |
| Product | Placement | Position |
| utahlegals.com:: | utahlegals.com | utahlegals.com |
| Scheduled Date(s): | 6/4/2014 | |

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-422

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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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:
Federal 2-24-9-16 well located in NW/4 NE/4, Section 24, Township 9 South, Range 16 East
API 43-013-33083
Federal 4-24-9-16 well located in NW/4 NW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33004

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

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Dated this 28th day of May, 2014.

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

962525

UPAXLP

RECEIVED
MAY 09 2014
DIV. OF OIL, GAS & MINING

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

May 8, 2014

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

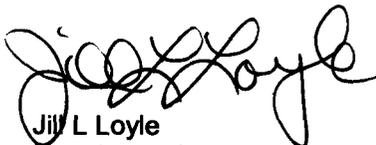
RE: Permit Application for Water Injection Well
Federal #4-24-9-16
Monument Butte Field, Lease #UTU-15855
Section 24-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #4-24-9-16 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 #4-24-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-15855
MAY 8, 2014

TABLE OF CONTENTS

| | |
|---|--|
| LETTER OF INTENT | |
| COVER PAGE | |
| TABLE OF CONTENTS | |
| UIC FORM 1 – APPLICATION FOR INJECTION WELL | |
| WELLBORE DIAGRAM OF PROPOSED INJECTION | |
| WORK PROCEDURE FOR INJECTION CONVERSION | |
| COMPLETED RULE R615-5-1 QUESTIONNAIRE | |
| COMPLETED RULE R615-5-2 QUESTIONNAIRE | |
| ATTACHMENT A | ONE-HALF MILE RADIUS MAP |
| ATTACHMENT A-1 | WELL LOCATION PLAT |
| ATTACHMENT B | LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS |
| ATTACHMENT C | CERTIFICATION FOR SURFACE OWNER NOTIFICATION |
| ATTACHMENT E | WELLBORE DIAGRAM – FEDERAL #4-24-9-16 |
| ATTACHMENT E-1 | WELLBORE DIAGRAM – FEDERAL #2-24-9-16 |
| ATTACHMENT E-2 | WELLBORE DIAGRAM – FEDERAL #3-24-9-16 |
| ATTACHMENT E-3 | WELLBORE DIAGRAM – FEDERAL #6-24-9-16 |
| ATTACHMENT E-4 | WELLBORE DIAGRAM – FEDERAL #11-13-9-16 |
| ATTACHMENT E-5 | WELLBORE DIAGRAM – FEDERAL #12-13-9-16 |
| ATTACHMENT E-6 | WELLBORE DIAGRAM – FEDERAL #13-13-9-16 |
| ATTACHMENT E-7 | WELLBORE DIAGRAM – FEDERAL #14-13-9-16 |
| ATTACHMENT E-8 | WELLBORE DIAGRAM – FEDERAL #1-23-9-16 |
| ATTACHMENT E-9 | WELLBORE DIAGRAM – FEDERAL #2-23-9-16 |
| ATTACHMENT E-10 | WELLBORE DIAGRAM – FEDERAL #8-23-9-16 |
| ATTACHMENT E-11 | WELLBORE DIAGRAM – CASTLE PEAK FEDERAL #12-24-9-16 |
| ATTACHMENT E-12 | WELLBORE DIAGRAM – JONAH FEDERAL #9-14-9-16 |
| ATTACHMENT E-13 | WELLBORE DIAGRAM – JONAH FEDERAL #16-14-9-16 |
| ATTACHMENT E-14 | WELLBORE DIAGRAM – GMBU #C-24-9-16 |
| ATTACHMENT E-15 | WELLBORE DIAGRAM – GMBU #D-24-9-16 |
| ATTACHMENT E-16 | WELLBORE DIAGRAM – GMBU #Q-13-9-16 |
| ATTACHMENT F | WATER ANALYSIS |
| ATTACHMENT G | FRACTURE GRADIENT CALCULATIONS |
| ATTACHMENT G-1 | FRACTURE REPORTS DATED – 2/18/2008 – 2/27/2008 |
| ATTACHMENT H | WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON |
| ATTACHMENT H-1 | WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL |

FEDERAL 4-24-9-16

Spud Date: 12/12/07
 Put on Production: 02/26/08
 GL: 5613' KB: 5625'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (304.16')
 DEPTH LANDED: 316.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

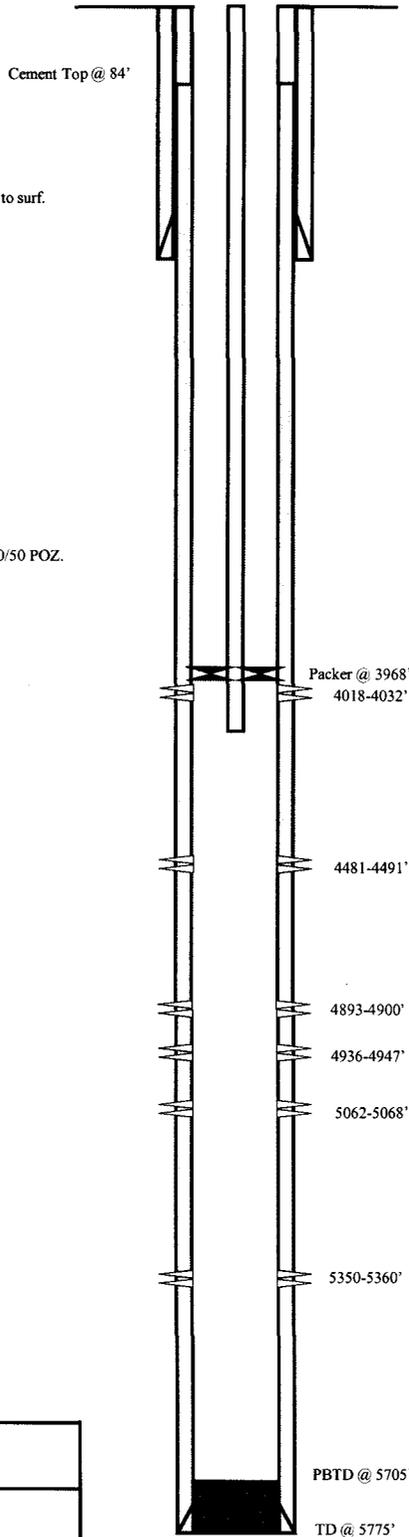
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5745.08')
 DEPTH LANDED: 5758.33' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 84'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 169 jts (5298.24')
 TUBING ANCHOR: 5310.24' KB
 NO. OF JOINTS: 2 jts (62.78')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5375.82' KB
 NO. OF JOINTS: 2 jts (62.76')
 TOTAL STRING LENGTH: EOT @ 5440.13' KB

FRAC JOB

| | | |
|----------|------------|--|
| 02/21/08 | 5350-5360' | Frac CP1 sands as follows: 19538# 20/40 sand in 318 bbls Lightning 17 frac fluid. Treated @ avg press of 2319 psi w/avg rate of 23.0 BPM. ISIP 2169 psi. |
| 02/21/08 | 5062-5068' | Frac LODC sands as follows: 14448# 20/40 sand in 267 bbl Lightning 17 frac fluid. Treated @ avg press of 2913 psi w/avg rate of 23.1 BPM. ISIP 3354 psi. |
| 02/21/08 | 4936-4947' | Frac A3, sands as follows: 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi. |
| 02/21/08 | 4893-4900' | Frac A1 sands as follows: 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi. |
| 02/21/08 | 4481-4491' | Frac D1 sands as follows: 54904# 20/40 sand in 482 bbls Lightning 17 frac fluid. Treated @ avg press of 2070 psi w/avg rate of 23.1 BPM. ISIP 2153 psi. |
| 02/21/08 | 4018-4032' | Frac GB6 sands as follows: 74458# 20/40 sand in 594 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 23.1 BPM. ISIP 1788 psi. |



PERFORATION RECORD

| | | | |
|----------|------------|--------|----------|
| 02/21/08 | 5350-5360' | 4 JSPF | 40 holes |
| 02/21/08 | 5062-5068' | 4 JSPF | 24 holes |
| 02/21/08 | 4936-4947' | 4 JSPF | 44 holes |
| 02/21/08 | 4893-4900' | 4 JSPF | 28 holes |
| 02/23/08 | 4481-4491' | 4 JSPF | 40 holes |
| 02/23/08 | 4018-4032' | 4 JSPF | 56 holes |

NEWFIELD

FEDERAL 4-24-9-16

462' FNL & 679' FWL

NW/NW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33004; 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 17th Street, Suite 2000
Denver, Colorado 80202

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

See Attachment A.

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

Approval is requested to convert the Federal #4-24-9-16 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 #4-24-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3773' - 5705'). 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 3449' and the TD is at 5775'.

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

The referenced log for the Federal #4-24-9-16 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 316' KB, and 5-1/2", 15.5# casing run from surface to 5758' 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 1762 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 #4-24-9-16, for existing perforations (4018' - 5360') calculates at 0.88 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 1762 psig. We may add additional perforations between 3449' and 5775'. 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 #4-24-9-16, the proposed injection zone (3773' - 5705') 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-16.

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.

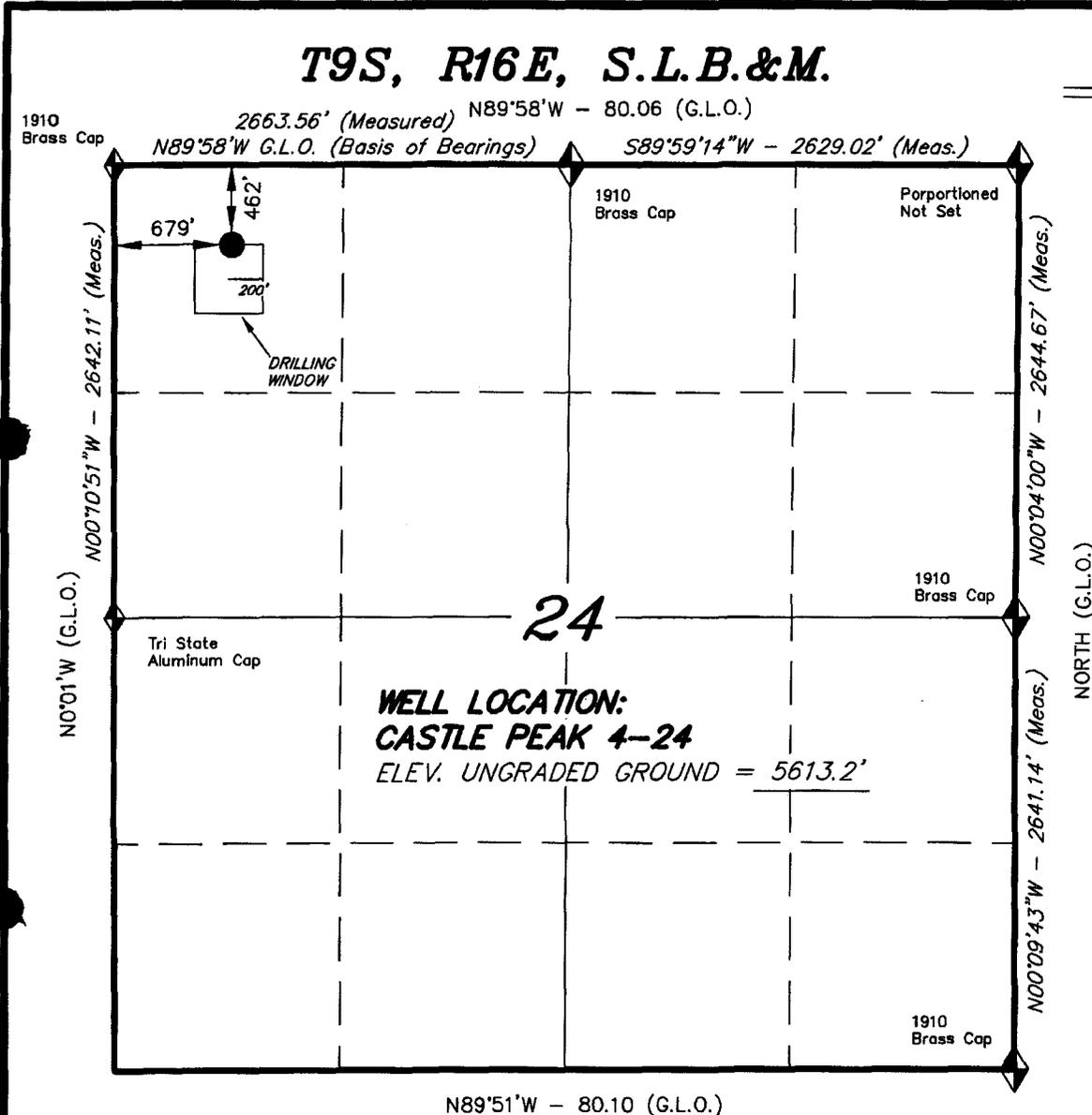
2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

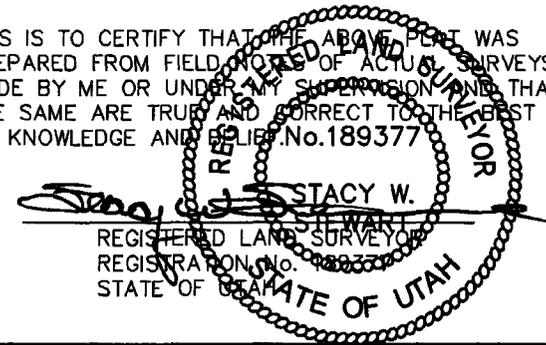
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, CASTLE PEAK 4-24,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 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)

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

| | |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: C.M. |
| DATE: 11-17-05 | DRAWN BY: F.T.M. |
| NOTES: | FILE # |

EXHIBIT B

| # | Legal Description | Lessor & Expiration | Lessee & Operating Rights | Surface Owner |
|----------|---|--------------------------------|---|----------------------|
| 1 | T9S-16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE | USA UTU-096547 HBP | Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petro Corp | USA |
| 2 | T9S-16E SLM Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE | USA UTU-096550 HBP | Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petro Corp | USA |
| 3 | T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE | USA UTU-15855 HBP | Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp | USA |
| 4 | T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2 | USA UTU-64805 HBP | Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp | USA |

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #4-24-9-16

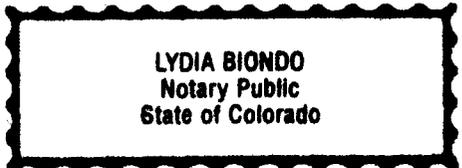
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

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

Sworn to and subscribed before me this 8th day of May, 2014.

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

My Commission Expires: 12/31/15



FEDERAL 4-24-9-16

Spud Date: 12/12/07
 Put on Production: 02/26/08
 GL: 5613' KB: 5625'

Wellbore Diagram

Initial Production: BOPD,
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (304.16')
 DEPTH LANDED: 316.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5745.08')
 DEPTH LANDED: 5758.33' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 84'

TUBING

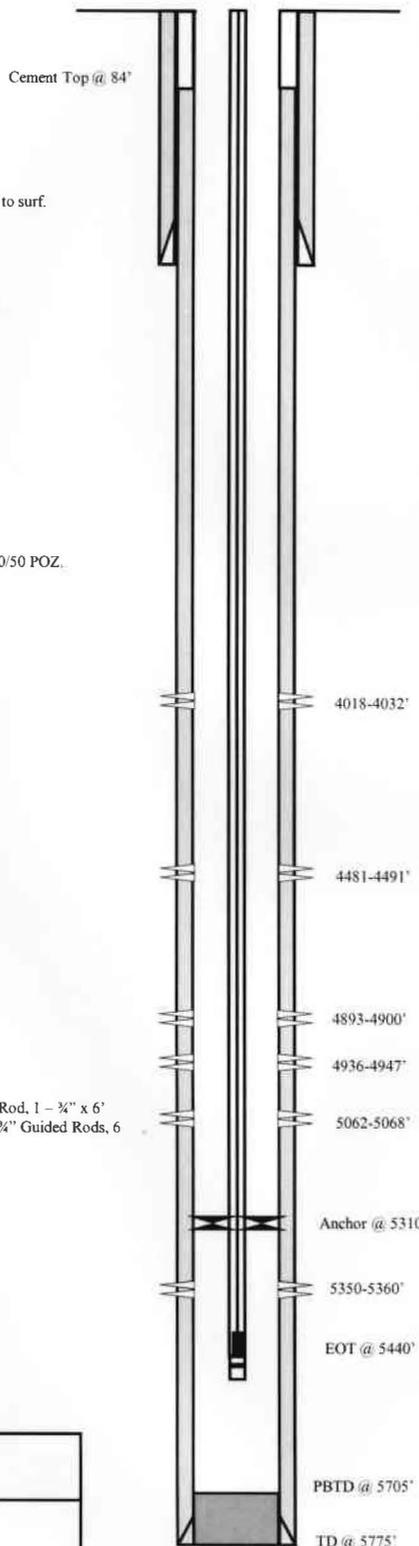
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 169 jts (5298.24')
 TUBING ANCHOR: 5310.24' KB
 NO. OF JOINTS: 2 jts (62.78')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5375.82' KB
 NO. OF JOINTS: 2 jts (62.76')
 TOTAL STRING LENGTH: EOT @ 5440.13' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 1 - 3/4" x 2' Pony Rod, 1 - 3/4" x 4' Pony Rod, 1 - 3/4" x 6' Pony Rod, 99 - 3/4" Guided Rods, 89 - 3/4" Plain Rods, 20 - 3/4" Guided Rods, 6 - 1 1/2" weight bars
 PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12 x 19 1/2" RHAC
 STROKE LENGTH: 102"
 PUMP SPEED: 5 SPM

FRAC JOB

| | | |
|----------|------------|--|
| 02/21/08 | 5350-5360' | Frac CP1 sands as follows: 19538# 20/40 sand in 318 bbls Lightning 17 frac fluid. Treated @ avg press of 2319 psi w/avg rate of 23.0 BPM. ISIP 2169 psi. |
| 02/21/08 | 5062-5068' | Frac LODC sands as follows: 14448# 20/40 sand in 267 bbl Lightning 17 frac fluid. Treated @ avg press of 2913 psi w/avg rate of 23.1 BPM. ISIP 3354 psi. |
| 02/21/08 | 4936-4947' | Frac A3, sands as follows: 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi. |
| 02/21/08 | 4893-4900' | Frac A1 sands as follows: 79356# 20/40 sand in 628 bbls Lightning 17 frac fluid. Treated @ avg press of 2038 psi w/avg rate of 23.1 BPM. ISIP 2069 psi. |
| 02/21/08 | 4481-4491' | Frac D1 sands as follows: 54904# 20/40 sand in 482 bbls Lightning 17 frac fluid. Treated @ avg press of 2070 psi w/avg rate of 23.1 BPM. ISIP 2153 psi. |
| 02/21/08 | 4018-4032' | Frac GB6 sands as follows: 74458# 20/40 sand in 594 bbls Lightning 17 frac fluid. Treated @ avg press of 2125 psi w/avg rate of 23.1 BPM. ISIP 1788 psi. |



PERFORATION RECORD

| | | | |
|----------|------------|--------|----------|
| 02/21/08 | 5350-5360' | 4 JSPF | 40 holes |
| 02/21/08 | 5062-5068' | 4 JSPF | 24 holes |
| 02/21/08 | 4936-4947' | 4 JSPF | 44 holes |
| 02/21/08 | 4893-4900' | 4 JSPF | 28 holes |
| 02/23/08 | 4481-4491' | 4 JSPF | 40 holes |
| 02/23/08 | 4018-4032' | 4 JSPF | 56 holes |

NEWFIELD

FEDERAL 4-24-9-16

462' FNL & 679' FWL

NW/NW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-33004; Lease # UTU-15855

FEDERAL 2-24-9-16

Spud Date: 10/11/07
Put on Production: 10/16/07

GL: 5559' KB: 5571'

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'

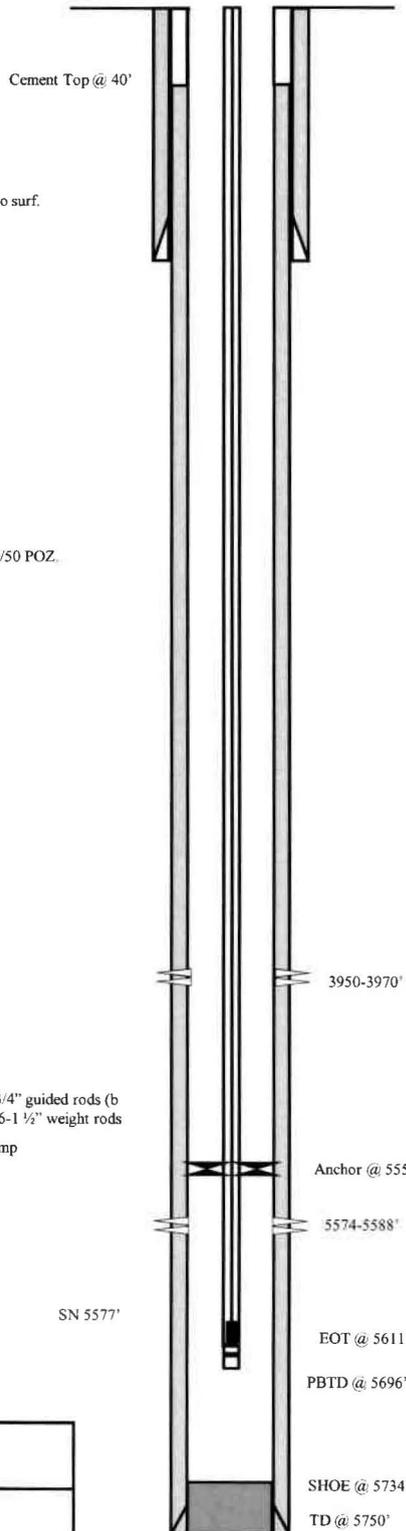
TUBING

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' x 3/4" 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:

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

| | | |
|----------|------------|---|
| 11/09/07 | 5574-5588' | Frac CP5 sands as follows: 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' | Frac GB6 sands as follows: 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

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

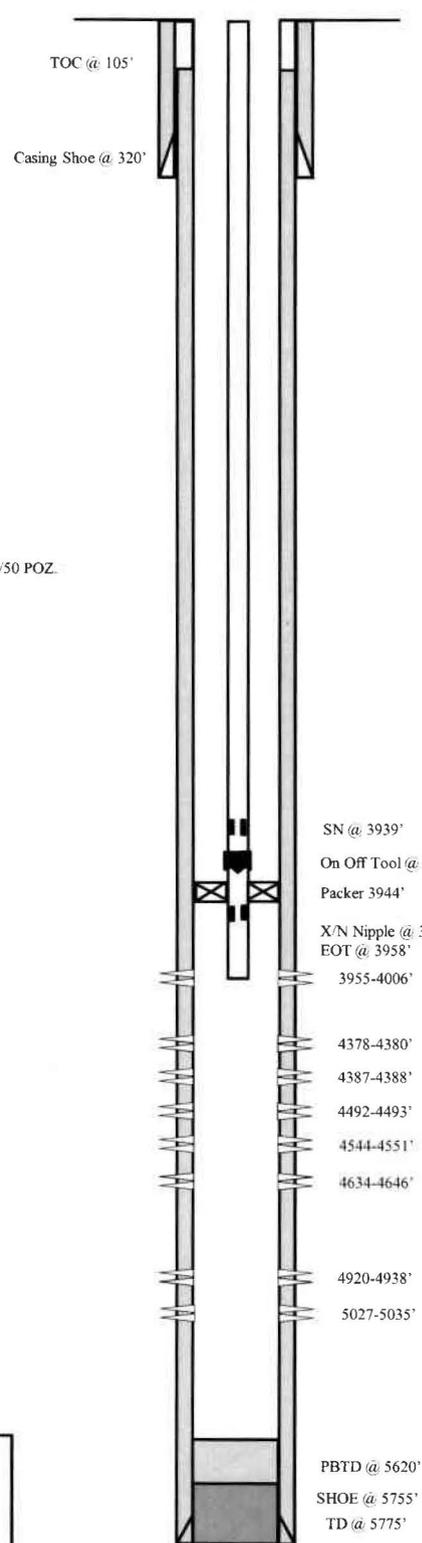
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311')
 DEPTH LANDED: 320'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 148 jts. (5741.47') Includes Shoe Jt. (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 |

NEWFIELD

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

FEDERAL 6-24-9-16

Spud Date: 11/02/07
 Put on Production: 12/12/07
 GL: 5611' KB: 5623'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.81')
 DEPTH LANDED: 324.66' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 149 jts. (5761.33')
 DEPTH LANDED: 5750' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 68'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 172 jts (5400')
 TUBING ANCHOR: 5399.5' KB
 NO. OF JOINTS: 1 jts (32.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5434.9' KB
 NO. OF JOINTS: 2 jts (62.9')
 TOTAL STRING LENGTH: EOT @ 5499' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods
 SUCKER RODS: 1-4" x 3/4" pony rods, 99-3/4" guided rods, 45-3/4" guided rods, 66-3/4" guided rods, 6-1 1/2" weight rods,
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12x 18'
 SPM 82"
 PUMP SPEED, 4 SPM:

FRAC JOB

| | | |
|------------|------------|---|
| 12/06/07 | 5410-5418' | Frac CP3 sands as follows: 25257# 20/40 sand in 361 bbls Lightning 17 frac fluid. Treated @ avg press of 2391 psi w/avg rate of 23.1 BPM. ISIP 2055 psi. Calc flush: 5408 gal. Actual flush: 4906 gal. |
| 12/06/07 | 5259-5266' | Frac CP.5 sands as follows: 25324# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 2677 psi w/avg rate of 23.1 BPM. ISIP 2035 psi. Calc flush: 5257 gal. Actual flush: 4754 gal. |
| 12/06/07 | 4994-5002' | Frac LODC sands as follows: 25369# 20/40 sand in 354 bbls Lightning 17 frac fluid. Treated @ avg press of 3093 psi w/avg rate of 23.2 BPM. ISIP 3198 psi. Calc flush: 4992 gal. Actual flush: 4490 gal. |
| 12/06/07 | 4842-4864' | Frac A1 sands as follows: 40223# 20/40 sand in 398 bbls Lightning 17 frac fluid. Treated @ avg press of 2114 psi w/avg rate of 23.1 BPM. ISIP 2132 psi. Calc flush: 4840 gal. Actual flush: 4326 gal. |
| 12/06/07 | 3877-3888' | Frac GB4 sands as follows: 38701# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 1497 psi w/avg rate of 23.2 BPM. ISIP 1632 psi. Calc flush: 3875 gal. Actual flush: 3822 gal. |
| 4/3/09 | | Tubing Leak. Updated r & t details. |
| 9/3/09 | | Tubing Leak. Updated rod & tubing details. |
| 10/16/2010 | | Tubing Leak. Update rod and tubing details. |

Cement Top @ 68'

SN 5430'

3877-3888'

4842-4851'

4859-4864'

4994-5002'

5259-5266'

Anchor @ 5400'

5410-5418'

EOT @ 5499'

PBTD @ 5720'

SHOE @ 5750'

TD @ 5750'

PERFORATION RECORD

| | | | |
|----------|------------|--------|----------|
| 11/29/07 | 5410-5418' | 4 JSPF | 32 holes |
| 12/06/07 | 5259-5266' | 4 JSPF | 28 holes |
| 12/06/07 | 4994-5002' | 4 JSPF | 32 holes |
| 12/06/07 | 4859-4864' | 4 JSPF | 20 holes |
| 12/06/07 | 4842-4851' | 4 JSPF | 36 holes |
| 12/06/07 | 3877-3888' | 4 JSPF | 44 holes |

NEWFIELD

FEDERAL 6-24-9-16

2039' FNL & 2046' FWL

SE/NW Section 24-T9S-R16E

Duchesne Co, Utah

API #43-013-32962; Lease # UTU-15855

Federal 11-13-9-16

Spud Date: 10/31/05
 Put on Production: 12/14/05
 GL: 5444' KB:5454'

Initial Production: BOPD 51,
 MCFD 39, BWPD 28

Injection Wellbore Diagram

SURFACE CASING

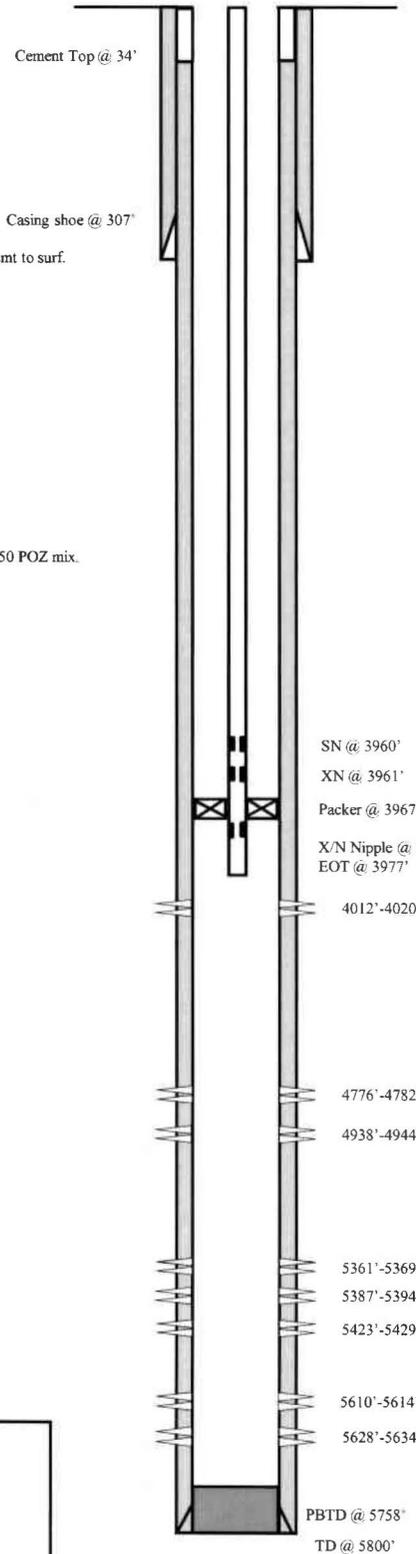
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (296.83')
 DEPTH LANDED: 306.83' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G" mixed cmt, est 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 132 jts. (5791.7')
 DEPTH LANDED: 5789.7' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sx Prem. Lite II mixed & 450 sx 50/50 POZ mix.
 CEMENT TOP AT: 34'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 122 jts (3950.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3960.3' KB
 X NIPPLE AT: 3961.4'
 ARROW #1 PACKER CE AT: 3966.63'
 XO 2-3/8 x 2-7/8 J-55 AT: 3970.4'
 TBG PUP 2-3/8 J-55 AT: 3970.9'
 X/N NIPPLE AT: 3975.1'
 TOTAL STRING LENGTH: EOT @ 3976.58'



FRAC JOB

| | | |
|----------|-------------|---|
| 12/09/05 | 5610'-5634' | Frac CP4 sands as follows: 40,198# 20/40 sand in 394 bbls lightning Frac 17 fluid. Treated @ avg press of 1702 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 5608 gal. Actual flush: 5007 gal. |
| 12/09/05 | 5361'-5429' | Frac CP1 & CP2 sands as follows: 95,683# 20/40 sand in 703 bbls lightning Frac 17 fluid. Treated @ avg press of 1593 psi w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc flush: 5359 gal. Actual flush: 4775 gal. |
| 12/10/05 | 4938'-4944' | Frac A1 sands as follows: 20,953# 20/40 sand in 278 bbls lightning Frac 17 fluid. Treated @ avg press of 1972 psi w/avg rate of 24.8 BPM. ISIP 1950 psi. Calc flush: 4936 gal. Actual flush: 4368 gal. |
| 12/10/05 | 4776'-4782' | Frac B1 sands as follows: 36,114# 20/40 sand in 380 bbls lightning Frac 17 fluid. Treated @ avg press of 2210psi w/avg rate of 24.9 BPM. ISIP 1975 psi. Calc flush: 4774 gal. Actual flush: 3822 gal. |
| 12/10/05 | 4012'-4020' | Frac GB4 sands as follows: 19,329# 20/40 sand in 268 bbls lightning Frac 17 fluid. Treated @ avg press of 1347psi w/avg rate of 14.3 BPM. ISIP 1700 psi. Calc flush: 4010 gal. Actual flush: 3927 gal. |
| 06/28/07 | | Pump Change. Update rod and tubing details |
| 02/19/13 | | Convert to Injection Well |
| 02/19/13 | | Conversion MIT Finalized - update tbg detail |

PERFORATION RECORD

| | | | |
|----------|-------------|--------|----------|
| 12/05/05 | 5628'-5634' | 4 JSPF | 24 holes |
| 12/05/05 | 5610'-5614' | 4 JSPF | 16 holes |
| 12/09/05 | 5423'-5429' | 4 JSPF | 24 holes |
| 12/09/05 | 5387'-5394' | 4 JSPF | 28 holes |
| 2/09/05 | 5361'-5369' | 4 JSPF | 32 holes |
| 12/09/05 | 4938'-4944' | 4 JSPF | 24 holes |
| 2/10/05 | 4776'-4782' | 4 JSPF | 24 holes |
| 12/10/05 | 4012'-4020' | 4 JSPF | 32 holes |

NEWFIELD

Federal 11-13-9-16
 1855' FSL & 2103' FWL
 NE/SW Section 13-T9S-R16E
 Duchesne County, Utah
 API #43-013-32652; Lease #UTU-64805

NEWFIELD

Schematic

43-013-32651

Well Name: Federal 12-13-9-16

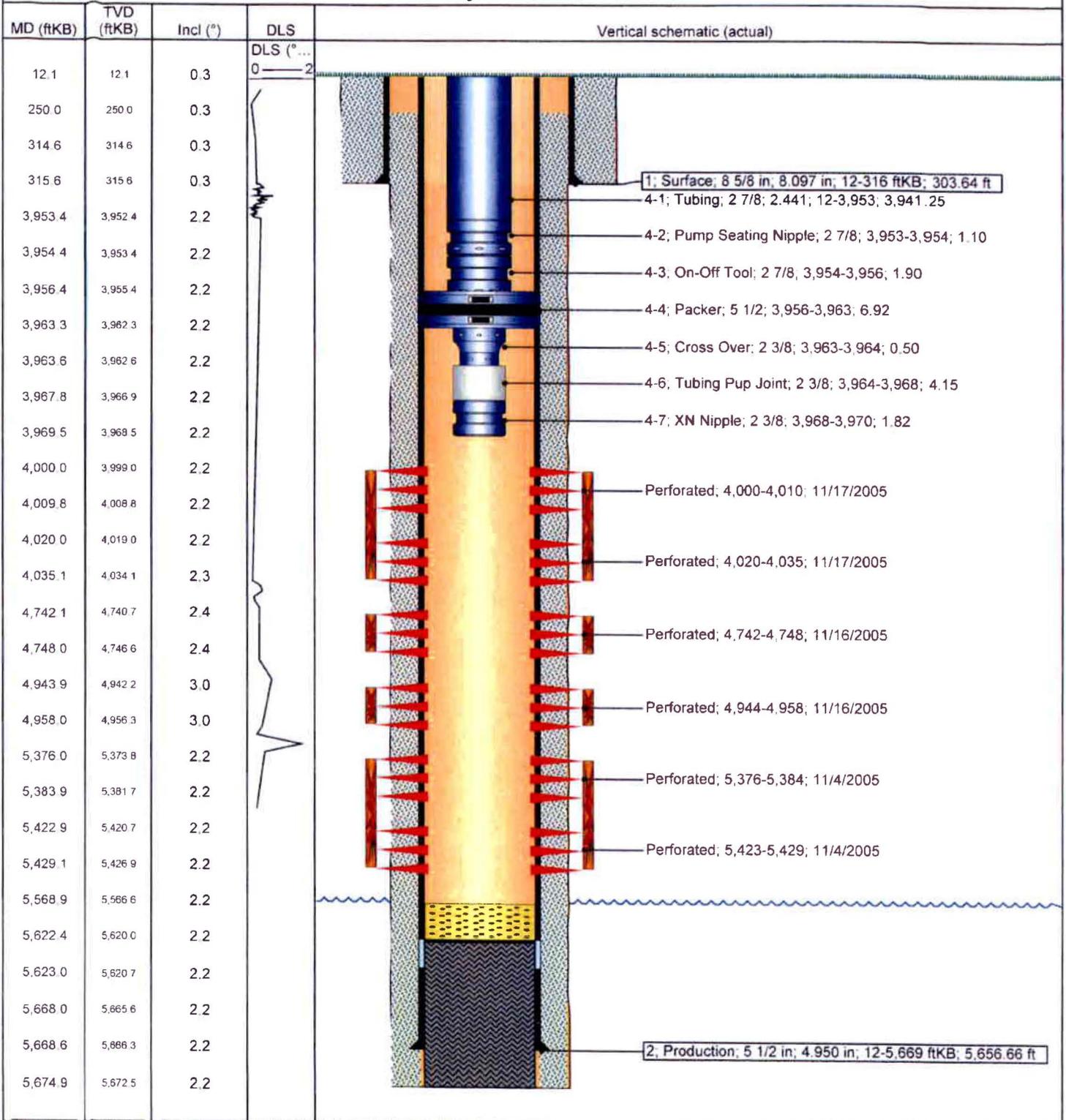
| | | | | | | |
|-------------------------------------|--------------------------------|----------------------------------|-------------------------------------|--------------------------------|------------------------------|--|
| Surface Legal Location 13-9S-16E | API/UWI 43013326510000 | Well RC 500151042 | Lease | State/Province Utah | Field Name GMBU CTB5 | County DUCHESNE |
| Spud Date 9/29/2005 | Rig Release Date 10/27/2005 | On Production Date 11/23/2005 | Original KB Elevation (ft) 5,561 | Ground Elevation (ft) 5,549 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB) Original Hole - 5,622.3 |

Most Recent Job

| | | | | |
|---------------------------------------|--------------------------------|-----------------------------|----------------------------|--------------------------|
| Job Category Production / Workover | Primary Job Type Conversion | Secondary Job Type Basic | Job Start Date 8/1/2014 | Job End Date 8/5/2014 |
|---------------------------------------|--------------------------------|-----------------------------|----------------------------|--------------------------|

TD: 5,675.0

Vertical - Original Hole, 8/6/2014 7:56:23 AM



FEDERAL 13-13-9-16

Spud Date: 04/13/07
 Put on Production: 05/23/07
 GL: 5592' KB: 5604'

Initial Production: 53 BOPD,
 3 MCFD, 88 BWPD

Injection Wellbore Diagram

SURFACE CASING

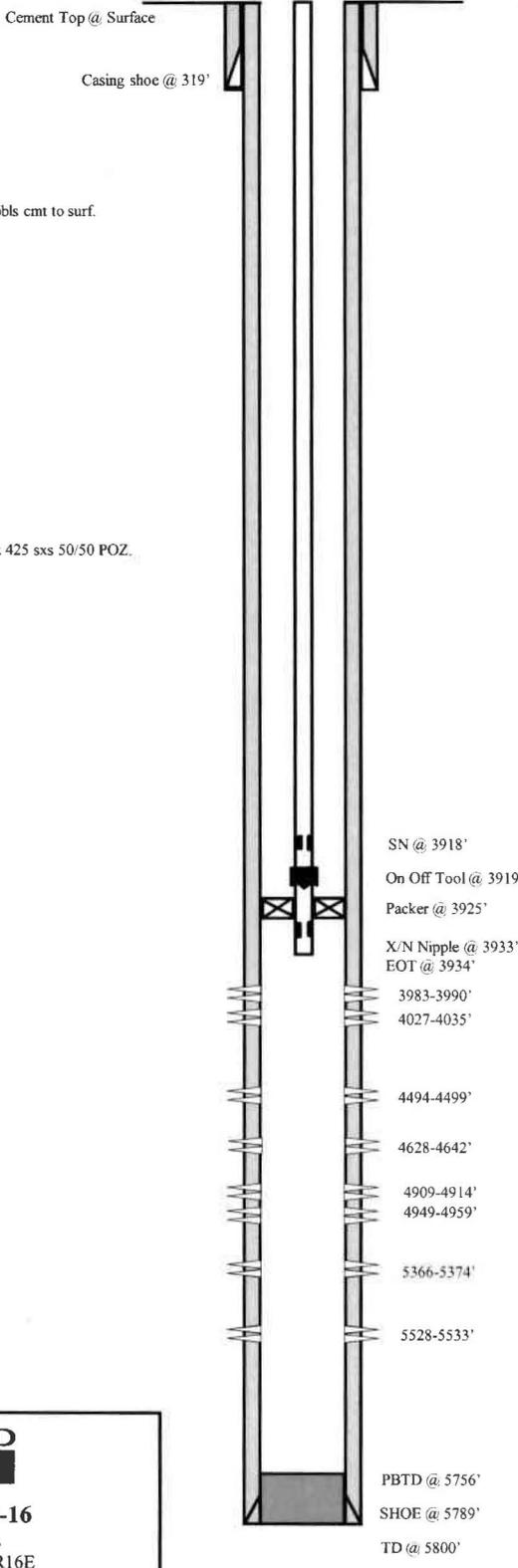
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (309.33')
 DEPTH LANDED: 319.33' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5793.19')
 DEPTH LANDED: 5789.19' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 126 jts (3906.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3918.4' KB
 ON/OFF TOOL AT: 3919.5'
 ARROW #1 PACKER CE AT: 3924.9'
 XO 2-3/8 x 2-7/8 J-55 AT: 3928.3'
 TBG PUP 2-3/8 J-55 AT: 3928.8'
 X/N NIPPLE AT: 3932.9'
 TOTAL STRING LENGTH: EOT @ 3934.27'



FRAC JOB

05/15/07 5528-5533' **Frac CP3 sands as follows:**
 14792# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2351 psi w/avg rate of 24.8 BPM. ISIP 2074 psi. Calc flush: 5526 gal. Actual flush: 5019 gal.

05/15/07 5366-5374' **Frac CPI sands as follows:**
 40830# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1857 psi w/avg rate of 22.6 BPM. ISIP 1997 psi. Calc flush: 5364 gal. Actual flush: 4868 gal.

05/18/07 4909-4959' **Frac A1&3 sands as follows:**
 67943# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1919 psi w/avg rate of 24.7 BPM. ISIP 1970 psi. Calc flush: 4907 gal. Actual flush: 4406 gal.

05/18/07 4628-4642' **Frac C sands as follows:**
 29975# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1884 psi w/avg rate of 24.7 BPM. ISIP 1910 psi. Calc flush: 4626 gal. Actual flush: 4124 gal.

05/18/07 4494-4499' **Frac D1 sands as follows:**
 14891# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1954 psi w/avg rate of 24.7 BPM. ISIP 1980 psi. Calc flush: 4492 gal. Actual flush: 3990 gal.

05/18/07 3983-4035' **Frac GB4&6 sands as follows:**
 56438# 20/40 sand in 443 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of ? BPM. ISIP 1685 psi. Calc flush: 3981 gal. Actual flush: 3910 gal.

7/17/08 **Pump change.** updated rod and tubing detail.
 1/20/2010 **Pump change.** Updated rod and tubing detail.
 12/11/12 **Convert to Injection Well**
 12/12/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

| Date | Interval | Tool | Holes |
|----------|------------|--------|----------|
| 05/02/07 | 5528-5533' | 4 JSPF | 20 holes |
| 05/15/07 | 5366-5374' | 4 JSPF | 32 holes |
| 05/15/07 | 4949-4959' | 4 JSPF | 40 holes |
| 05/15/07 | 4909-4914' | 4 JSPF | 20 holes |
| 05/18/07 | 4628-4642' | 4 JSPF | 56 holes |
| 05/18/07 | 4494-4499' | 4 JSPF | 20 holes |
| 05/18/07 | 4027-4035' | 4 JSPF | 32 holes |
| 05/18/07 | 3983-3990' | 4 JSPF | 28 holes |

NEWFIELD

FEDERAL 13-13-9-16

555'FSL & 344' FWL
 SW/SW Section 13-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32650; Lease # UTU-64805

NEWFIELD



Schematic

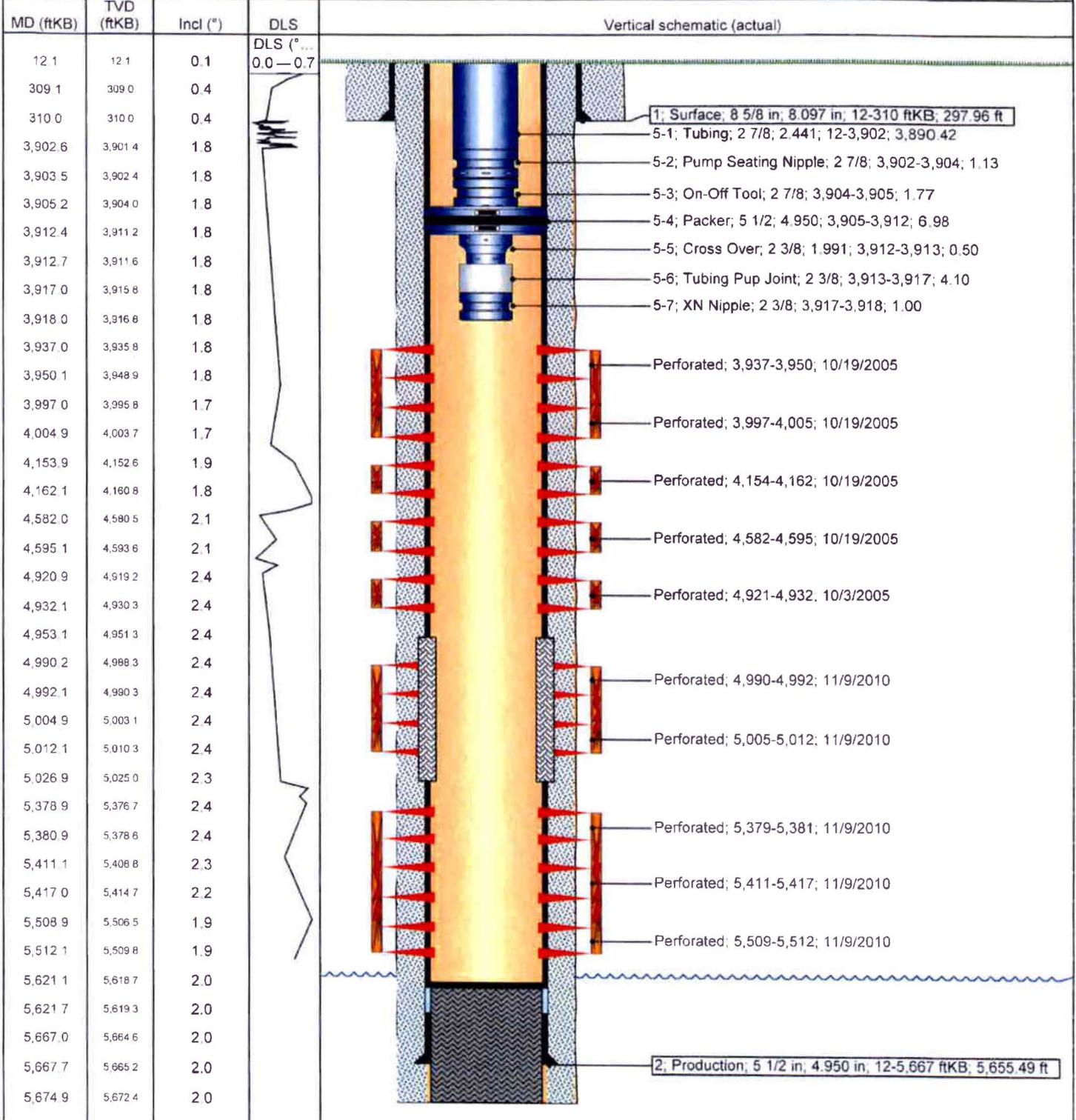
Well Name: Federal 14-13-9-16

43-013-32649

| | | | | | | | |
|--|------------------------------|----------------------------------|-------------------------------------|--------------------------------|------------------------------|---|--------------------|
| Surface Legal Location 819' FSL & 1940' FWL (SE/SW) SECTION 13-T9S-R16E | | API/UWI 43013326490000 | Well RC 500151344 | Lease | State/Province Utah | Field Name GMBU CTB6 | County DUCHESNE |
| Spud Date 8/16/2005 | Rig Release Date 9/9/2005 | On Production Date 10/21/2005 | Original KB Elevation (ft) 5.593 | Ground Elevation (ft) 5.581 | Total Depth All (TVD) (ftKB) | PBD (All) (ftKB) Original Hole - 5,621.1 | |

| | | | | | |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|--|
| Most Recent Job | | | | | |
| Job Category Production / Workover | Primary Job Type Conversion | Secondary Job Type Basic | Job Start Date 5/13/2014 | Job End Date 5/20/2014 | |

TD: 5,675.0 Deviated - Original Hole, 5/22/2014 9:32:36 AM



NEWFIELD

Schematic

Well Name: Federal 1-23-9-16

43-013-33002

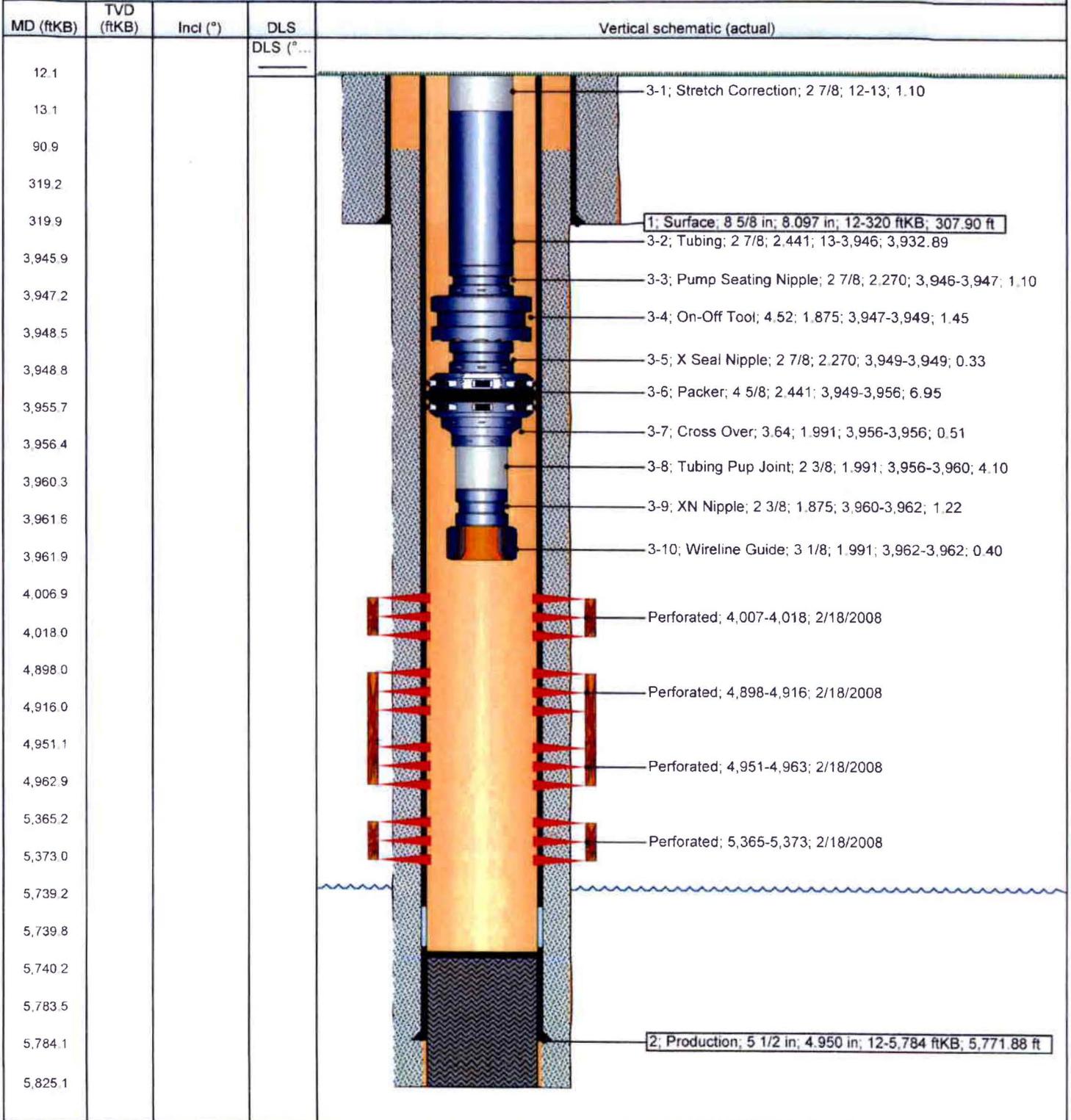
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|-------------------------------------|------------------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location 23-9S-16E | | API/WVI 43013330020000 | Well RC 500159115 | Lease | State/Province Utah | Field Name GMBU CTB6 | County DUCHESNE |
| Spud Date 12/10/2007 | Rig Release Date 1/1/2008 | On Production Date 2/20/2008 | Original KB Elevation (ft) 5,663 | Ground Elevation (ft) 5,651 | Total Depth All (TVD) (ftKB) | PBTD (All) (ftKB) Original Hole - 5,740.0 | |

Most Recent Job

| | | | | |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|
| Job Category Production / Workover | Primary Job Type Conversion | Secondary Job Type Basic | Job Start Date 9/15/2014 | Job End Date 9/23/2014 |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------------------|

TD: 5,825.0

Vertical - Original Hole, 9/24/2014 11:12:45 AM



Spud Date: 12/06/07
 Put on Production: 02/11/08
 GL: 5678' KB: 5690'

FEDERAL 2-23-9-16

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.96')
 DEPTH LANDED: 324.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 4 bbls cmt to surf.

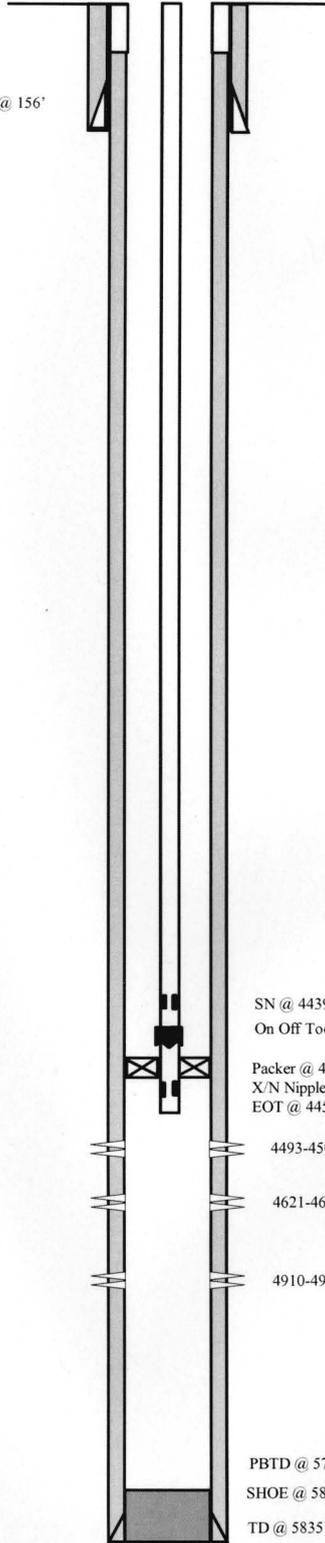
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5818.10')
 DEPTH LANDED: 5831.23' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz.
 CEMENT TOP: 156'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 139 jts (4426.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4438.9' KB
 ON/OFF TOOL AT: 4440.1'
 ARROW #1 PACKER CE AT: 4445.2'
 XO 2-3/8 x 2-7/8 J-55 AT: 4448.8'
 TBG PUP 2-3/8 J-55 AT: 4449.4'
 X/N NIPPLE AT: 4453.5'
 TOTAL STRING LENGTH: EOT @ 4454.74'

Cement Top @ 156'



FRAC JOB

02/05/08 4910-4938' **Frac A1 sands as follows:**
 170350# 20/40 sand in 1190 bbl Lightning 17 frac fluid. Treated @ avg press of 1318 psi w/avg rate of 23.6 BPM. ISIP 1809 psi.

02/06/08 4621-4629' **Frac C sands as follows:**
 14890# 20/40 sand in 264 bbl Lightning 17 frac fluid. Treated @ avg press of 1847 psi w/avg rate of 23.5 BPM. ISIP 1806 psi.

02/06/08 4493-4500' **Frac D1 sands as follows:**
 9119# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 2210 psi w/avg rate of 23.5 BPM. ISIP 2088 psi.

8-1-08 **Pump change.** Updated rod & tubing details.

12/21/09 **Pump change.** Updated rod and tubing detail

02/13/14 **Convert to Injection Well**

02/19/14 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

| | | |
|------------|--------|-----------|
| 4910-4938' | 4 JSPF | 112 holes |
| 4621-4629' | 4 JSPF | 32 holes |
| 4493-4500' | 4 JSPF | 28 holes |

SN @ 4439'
 On Off Tool @ 4440'
 Packer @ 4445'
 X/N Nipple @ 4453'
 EOT @ 4455'

4493-4500'

4621-4629'

4910-4938'

PBTD @ 5757'
 SHOE @ 5831'
 TD @ 5835'

NEWFIELD

FEDERAL 2-23-9-16
 760' FNL & 2032' FEL
 NW/NE Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33003; Lease # UTU-15855

NEWFIELD



Schematic

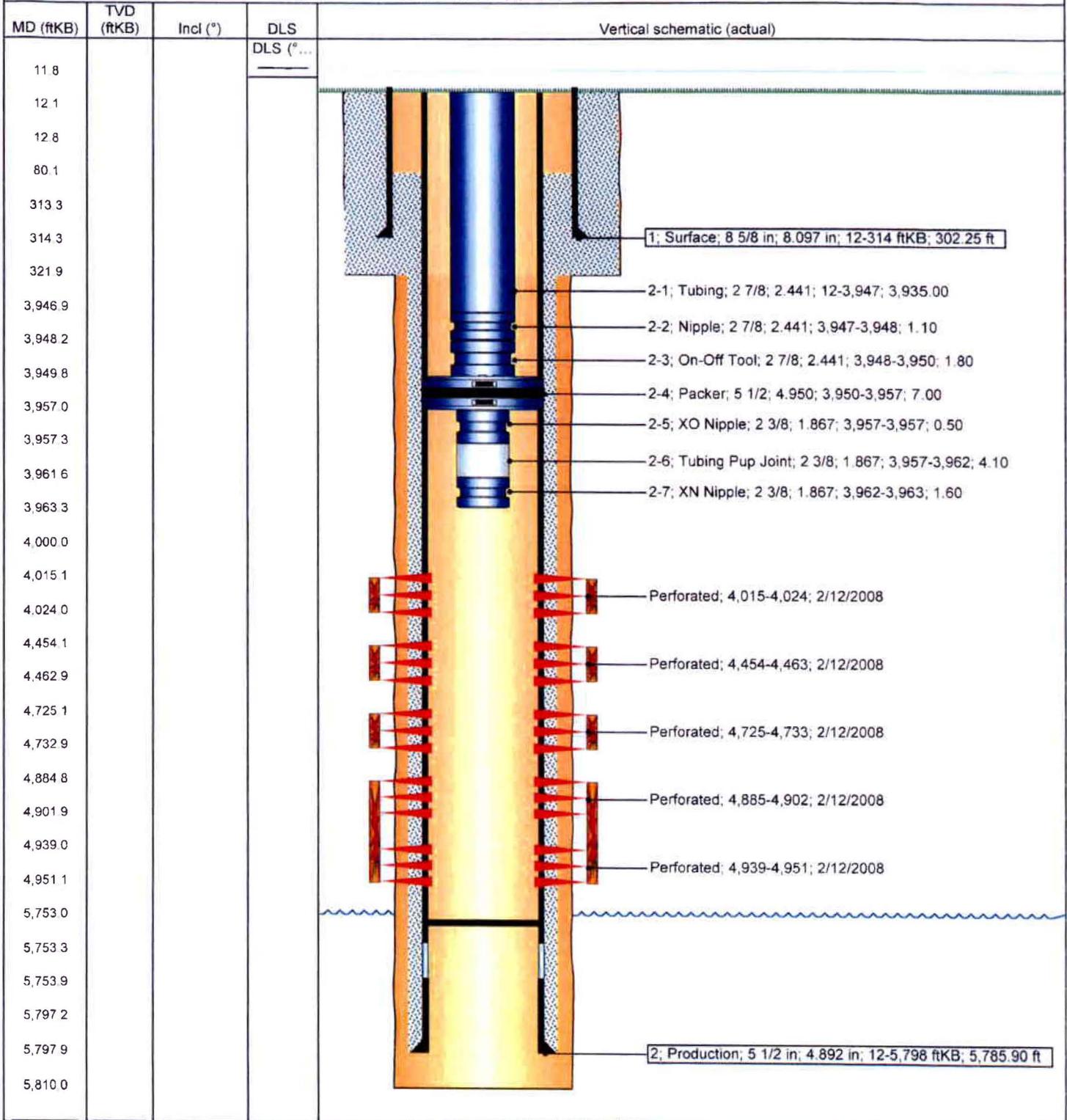
43-013-32961

Well Name: Federal 8-23-9-16

| | | | | | | | |
|-------------------------------------|------------------|---------------------------------|-------------------------------------|--------------------------------|------------------------------|--|--------------------|
| Surface Legal Location 23-9S-16E | | API/UWI 43013329610000 | Well RC 500159250 | Lease | State/Province Utah | Field Name GMBU CTB6 | County DUCHESNE |
| Spud Date | Rig Release Date | On Production Date 2/14/2008 | Original KB Elevation (ft) 5,697 | Ground Elevation (ft) 5,685 | Total Depth All (TVD) (ftKB) | P8TD (All) (ftKB) Original Hole - 5,753.0 | |

| | | | | |
|---------------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Most Recent Job | | | | |
| Job Category Production / Workover | Primary Job Type Conversion | Secondary Job Type Basic | Job Start Date 2/14/2014 | Job End Date |

TD: 5,810.0 Vertical - Original Hole, 3/10/2014 12:40:08 PM



Castle Peak Federal 12-24-9-16

Spud Date: 09/21/81
 Put on Production: 11/07/81
 GL: 5663' KB: '

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: jts (294')
 DEPTH LANDED: 294' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sx Class "H"

PRODUCTION CASING

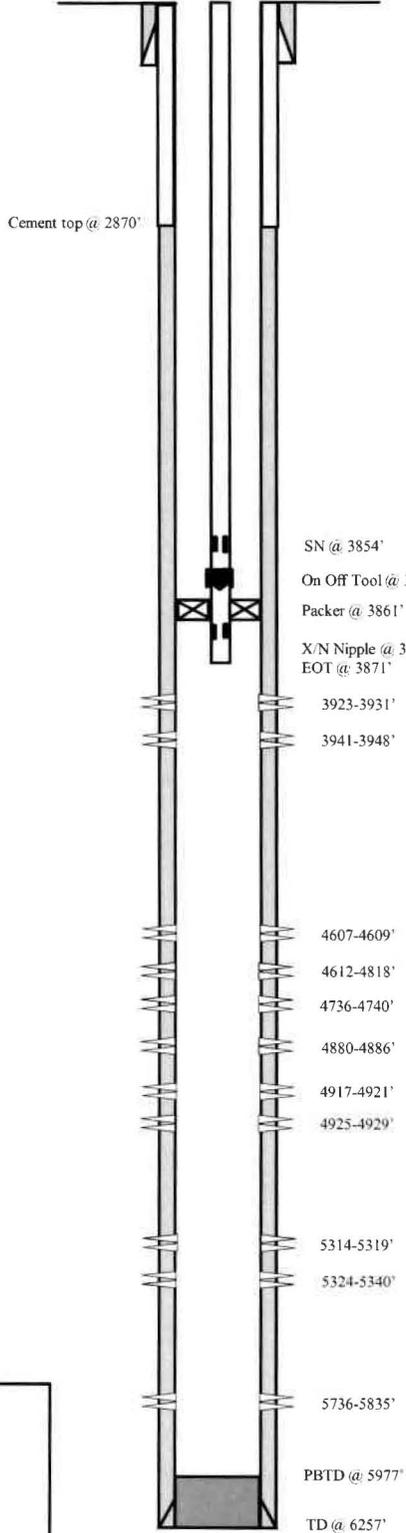
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: ? jts (')
 DEPTH LANDED: 6019'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 766 sx 50/50 Pozmix
 CEMENT TOP AT: 2870'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 126 jts (3842.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3854.4' KB
 ON/OFF TOOL AT: 3855.5'
 ARROW #1 PACKER CE AT: 3861.3'
 XO 2-3/8 x 2-7/8 J-55 AT: 3864.3'
 TBG PUP 2-3/8 J-55 AT: 3864.8'
 X/N NIPPLE AT: 3869'
 TOTAL STRING LENGTH: EOT @ 3871'

FRAC JOB

9-21-81 Spud Well
 10-24-81 Perf: 5,736'-5,835'
 10-30-82 Frac BGR zone as follows: Totals 3,000 gal.
 2,000# sd Avg TP 2,300
 ISIP 1,580, after 5 min 1,450
 11-3-81 Perf: 5,324'-5,340', 5,314'-5,319'
 Frac CP-1 zone as follows: Totals 26,500 gal,
 40,000# 20/40 sd 9,000# 10/20 sd
 ISIP 2,160, after 5 min 2,120
 9-29-82 Perf: 4,607'-4,609', 4,612'-4,618'
 9-30-82 Frac C-SD zone as follows: Totals 35,500 gal,
 85,000# 20/40 sd Max TP 2,800 @ 30
 BPM Avg TP 2,400 @ 30 BPM
 ISIP 2,000, after 5 min 1,750
 10-5-82 Perf: 3,923'-3,931', 3,941'-3,948'
 10-6-82 Frac GB-6 zone as follows: Totals 35,500 gal,
 85,000# 20/40 sd Max TP 2,400 @ 30
 BPM Avg TP 1,900 @ 30 BPM
 ISIP 1,700, after 5 min 1,575
 5/11/2009 **Re-Completion**
 5/11/2009 5314-5340' **Frac stg#1 CP1 sds as follows:** 80,105# 20/40 sand in 740 bbls of Lightning 17 fluid. Treated @ ave pressure of 3498 w/ ave rate of 17 bpm w/ 6 ppg sand. ISIP was 2198 w/ 85FG. 5 minutes was 2145. 10 min was 2135. 15 min was 2126 (10 psi on casing).
 5/11/2009 4880-4929' **Frac A sds as follows:** 50,237# 20/40 sand in 488 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4470 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 1946 w/ 83FG. 5 minutes was 1919. 10 min was 1807. 15 min was 1734 (0 psi on casing).
 5/11/2009 4736-4740' **Frac B1 sds as follows:** 16,144# 20/40 sand in 208 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4147 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 2014 w/ 86FG. 5 minutes was 1646. 10 min was 1607. 15 min was 1586 (0 psi on casing).
 11/21/12 **Convert to Injection Well**
 11/27/12 **Conversion MIT Finalized** - update tbg dete



PERFORATION RECORD

| | | |
|--------------------|--------|----------|
| 5736-5835' | JSPF | holes |
| 5324-5340' | JSPF | holes |
| 5314-5319' | JSPF | holes |
| 4612-4618' | JSPF | holes |
| 4607-4609' | JSPF | holes |
| 3941-3948' | JSPF | holes |
| 3923-3931' | JSPF | holes |
| 4/20/09 5324-5340' | 4 JSPF | 64 holes |
| 4/20/09 5314-5319' | 4 JSPF | 16 holes |
| 4/20/09 4925-4929' | 4 JSPF | 16 holes |
| 4/20/09 4917-4921' | 4 JSPF | 16 holes |
| 4/20/09 4880-4886' | 4 JSPF | 16 holes |
| 4/20/09 4736-4740' | 4 JSPF | 16 holes |



NEWFIELD

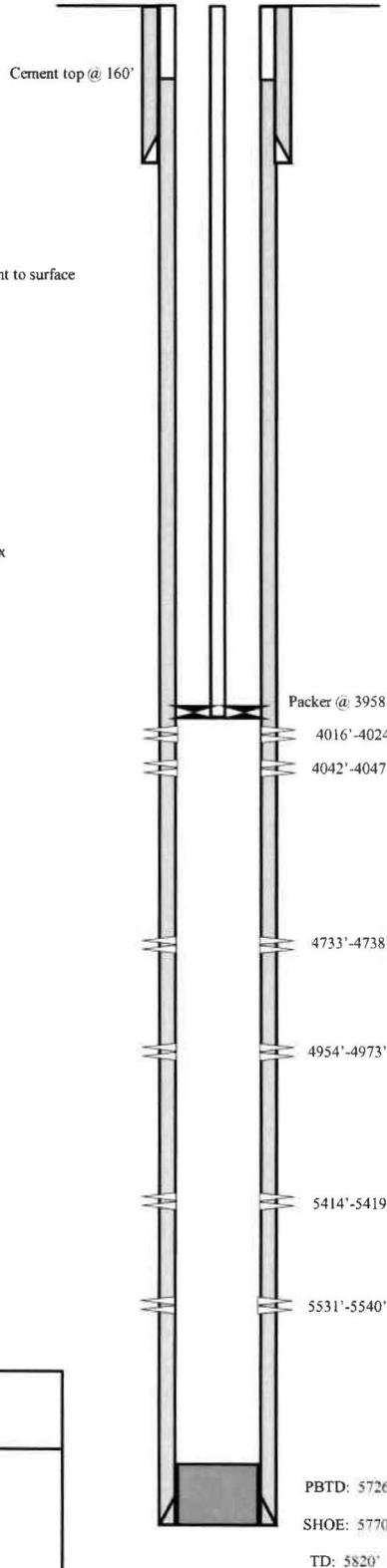
Castle Peak Federal 12-24-9-16
 749 FWL 1982 FNL
 SWNW Section 24-T9S-R16E
 Duchesne Co, Utah
 API #43-013-30588; Lease #U-15855

Jonah Federal 9-14-9-16

Spud Date: 05/13/05
 Put on Production: 06/15/05
 GL: 5571' KB: 5583'

Initial Production: 46 BOPD,
 111 MCFPD, 45 BWPD

Injection Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (304.57')
 DEPTH LANDED: 314.57'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sks Class "G" cement, est. 6 bbls cement to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts. (5772.05')
 DEPTH LANDED: 5770.05' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sks Prem Lite II, 400 sks 50-50 Poz mix
 CEMENT TOP @ 160'

TUBING

SIZE/GRADE/WT.: 2 7/8" / 6.5# / J-55
 NO. OF JOINTS: 121 jts. (3937.79')
 NO. OF JOINTS: 1 jt. (32.55')
 SN LANDED AT: 1.10' (3954')
 NO. OF JOINTS: 2 jts. (65.66')
 TOTAL STRING LENGTH EOT: 3958'

FRAC JOB

06/07/05 5414'-5540' **Frac CP4 and CP2 sand as follows:**
 40,739#'s of 20/40 sand in 416 bbls lightning 17 frac fluid. Treated w/avg press of 1595 psi, w/avg rate of 24.9 bpm. ISIP 1780 psi. Calc flush: 5412 gal. Actual flush: 5166 gal.

06/07/05 4954'-4973' **Frac A3 sand as follows:**
 70,185#'s of 20/40 sand in 538 bbls lightning 17 frac fluid. Treated w/avg press of 1763 psi. ISIP 2170 psi. Calc flush: 4952 gal. Actual flush: 4704 gal.

06/08/05 4733'-4738' **Frac B1 sand as follows:**
 20,210#'s of 20/40 sand in 253 bbls lightning 17 frac fluid. Treated w/avg press of 2085 psi, w/ avg rate of 24.8 bpm. ISIP 2050 psi. Calc flush: 4731 gal. Actual flush: 4494 gal.

06/08/05 4016'-4047' **Frac GB6 sand as follows:**
 38,754#'s of 20/40 sand in 347 bbls lightning 17 frac fluid. Treated w/avg press of 1704 psi w/avg rate of 24.7 bpm. ISIP 1840 psi. Calc flush: 4014 gal. Actual flush: 3948 gal.

10-23-06 Well Converted to Injection Well.
 11-10-06 MIT to complete Conversion.

PERFORATION RECORD

| Date | Depth Range | Tool | Holes |
|----------|-------------|--------|----------|
| 06/01/05 | 5531'-5540' | 4 JSPF | 36 holes |
| 06/01/05 | 5414'-5419' | 4 JSPF | 20 holes |
| 06/07/05 | 4954'-4973' | 4 JSPF | 76 holes |
| 06/07/05 | 4733'-4738' | 4 JSPF | 20 holes |
| 06/08/05 | 4042'-4047' | 4 JSPF | 20 holes |
| 06/08/05 | 4016'-4024' | 4 JSPF | 32 holes |

NEWFIELD

Jonah Federal 9-14-9-16

1785' FSL & 508' FEL
 NE/SE Section 14-T9S-R16E
 Duchesne Co, Utah
 API 43-013-32661; Lease UTU-096550

Jonah Federal 16-14-9-16

Spud Date: 10-14-05
 Put on Production: 11-14-05
 GL: 5626' KB: 5638'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (302.62')
 DEPTH LANDED: 310.02' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

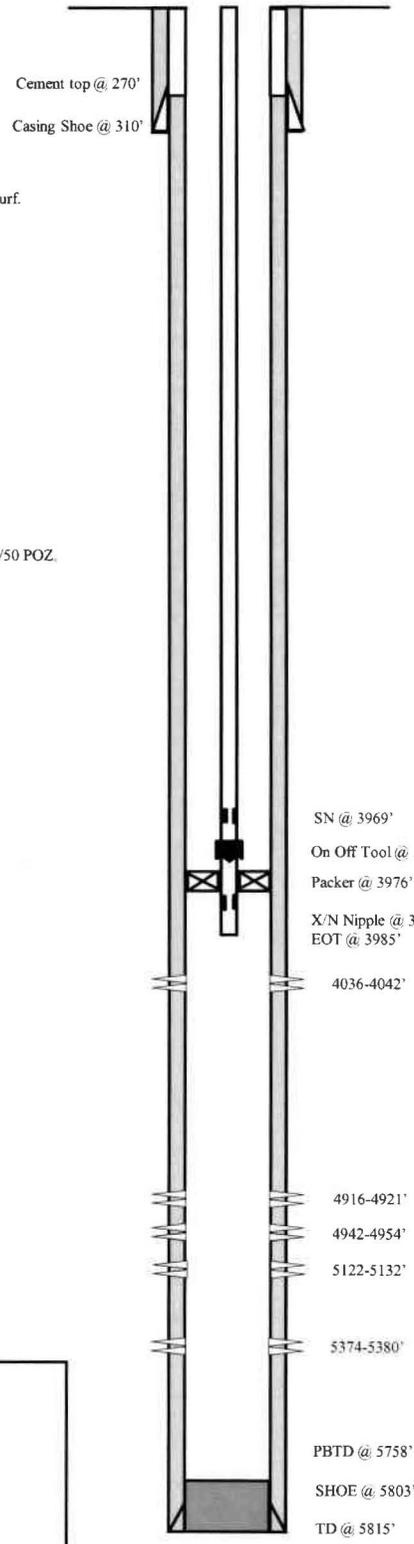
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 130 jts (5790.42')
 DEPTH LANDED: 5803.67' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 270'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 123 jts (3956.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3968.9' KB
 ON/OFF TOOL AT: 3970.0'
 ARROW #1 PACKER CE AT: 3975.9'
 XO 2-3/8 x 2-7/8 J-55 AT: 3979.0'
 TBG PUP 2-3/8 J-55 AT: 3979.5'
 X/N NIPPLE AT: 3983.7'
 TOTAL STRING LENGTH: EOT @ 3985.19'

FRAC JOB

| | | |
|----------|------------|---|
| 11-08-05 | 5374-5380' | Frac CP2 sands as follows: 24617# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2689 psi w/avg rate of 24.8 BPM. ISIP 3370 psi. Calc flush: 5372 gal. Actual flush: 4956 gal. |
| 11-08-05 | 5122-5132' | Frac LODOC sands as follows: 34329# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 2632 psi w/avg rate of 24.8 BPM. ISIP 2720 psi. Calc flush: 5120 gal. Actual flush: 4830 gal. |
| 11-09-05 | 4916-4954' | Frac A1, & A3 sands as follows: 75312# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1787 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4914 gal. Actual flush: 3906 gal. |
| 11-09-5 | 4036-4042' | Frac GB6 sands as follows: 25272# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 2043 w/ avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush: 4034 gal. Actual flush: 3948 gal. |
| 6/8/09 | | Pump Change. Updated rod & tubing details. |
| 12/19/12 | | Convert to Injection Well |
| 12/20/12 | | Conversion MIT Finalized - update tbg detail |



PERFORATION RECORD

| Date | Interval | Count | Type | Holes |
|----------|------------|-------|------|----------|
| 11-01-05 | 5374-5380' | 4 | JSPF | 24 holes |
| 11-08-05 | 5122-5132' | 4 | JSPF | 40 holes |
| 11-08-05 | 4942-4954' | 4 | JSPF | 48 holes |
| 11-08-05 | 4916-4921' | 4 | JSPF | 20 holes |
| 11-09-05 | 4036-4042' | 4 | JSPF | 24 holes |



Jonah Federal 16-14-9-16
 657' FSL & 758' FEL
 SE/SE Section 14-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32698; Lease #UTU-096547

Well Name: GMBU C-24-9-16

43-013-52284

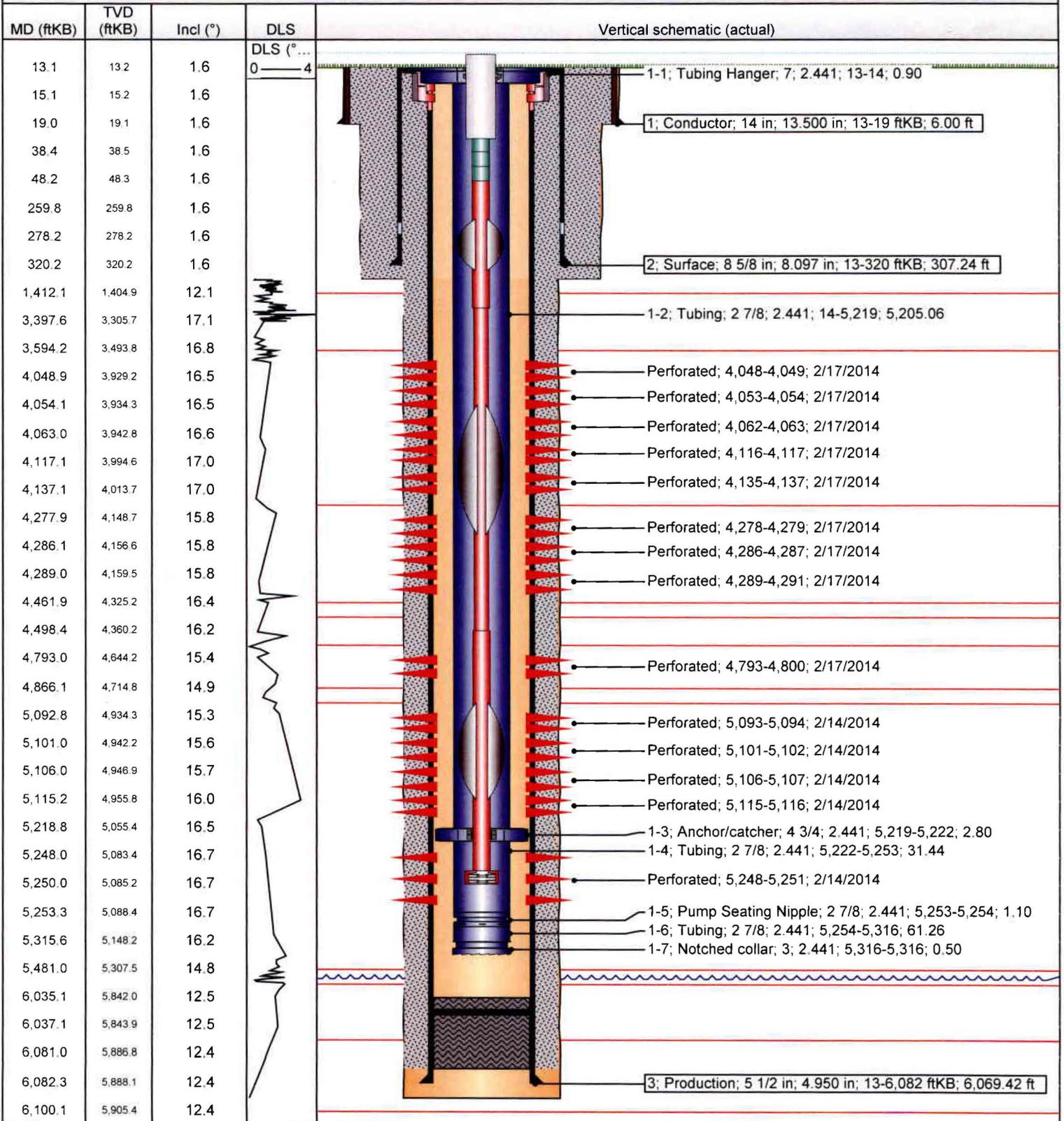
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|---|-------------------------------|---------------------------------|-------------------------------------|--------------------------------|---|--|--------------------|
| Surface Legal Location SESW 787 FSL 1935 FWL Sec 13 T9S R16E Mer SLB | | API/JWI 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, 5/7/2014 4:52:43 PM



Well Name: GMBU D-24-9-16

43-013-52283

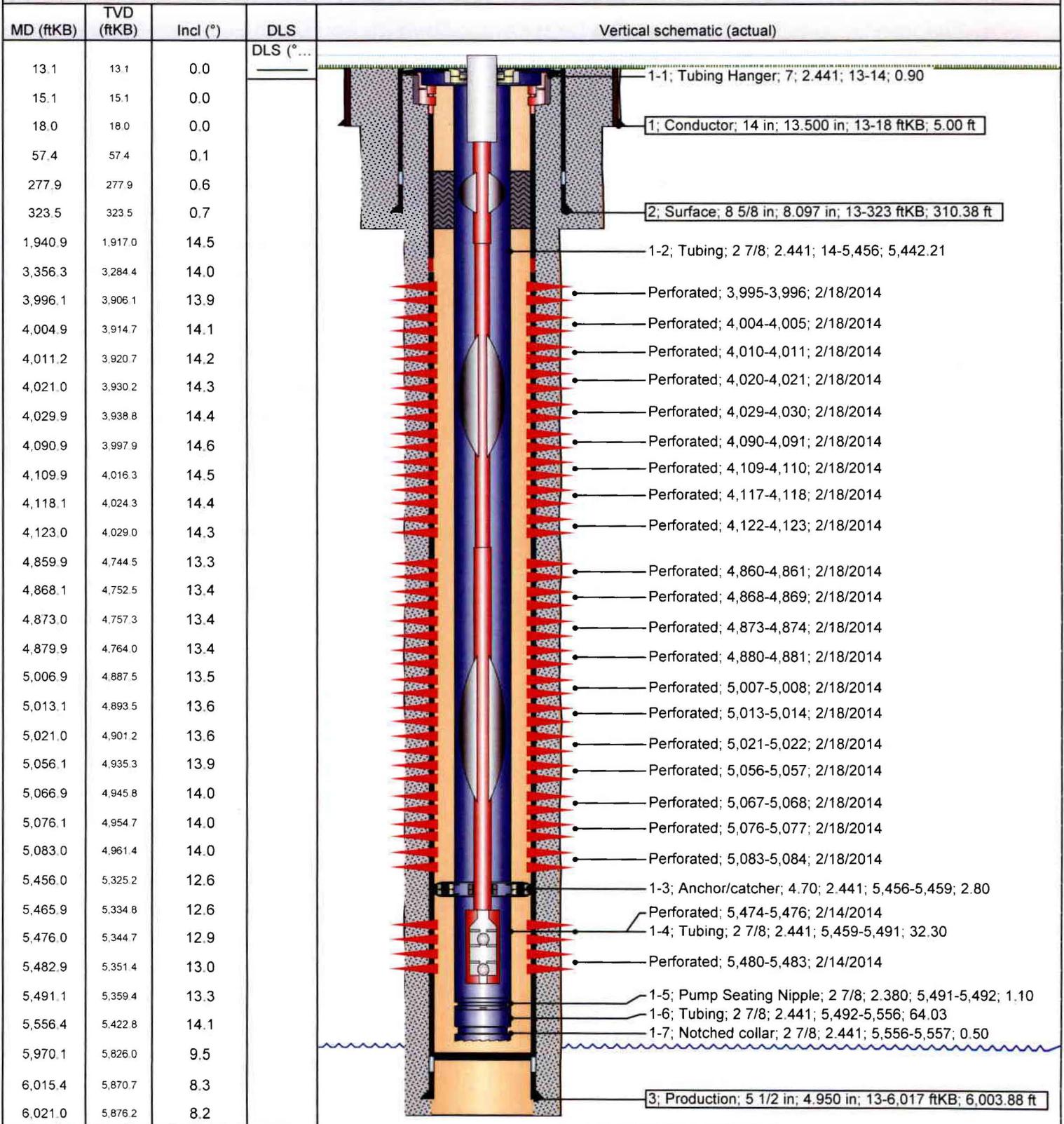
| | | | | | | | |
|---|------------------------------|---------------------------------|-------------------------------------|--------------------------------|---|--|--------------------|
| Surface Legal Location SESW 769 FSL 1923 FWL Sec 13 T9S R16E Mer SLB | | API/UWI 43013522830000 | Well RC 500360792 | Lease UTU64805 | State/Province Utah | Field Name GMBU CTB5 | County Duchesne |
| Spud Date 1/20/2014 | Rig Release Date 2/3/2014 | On Production Date 2/26/2014 | Original KB Elevation (ft) 5,595 | Ground Elevation (ft) 5,582 | Total Depth All (TVD) (ftKB) Original Hole - 5,876.2 | PBTD (All) (ftKB) Original Hole - 5,970.1 | |

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 2/26/2014 |
|------------------------------------|--|---------------------------|-----------------------------|---------------------------|

TD: 6,021.0

Slant - Original Hole, 5/7/2014 4:52:03 PM



Well Name: GMBU Q-13-9-16

43-013-52286

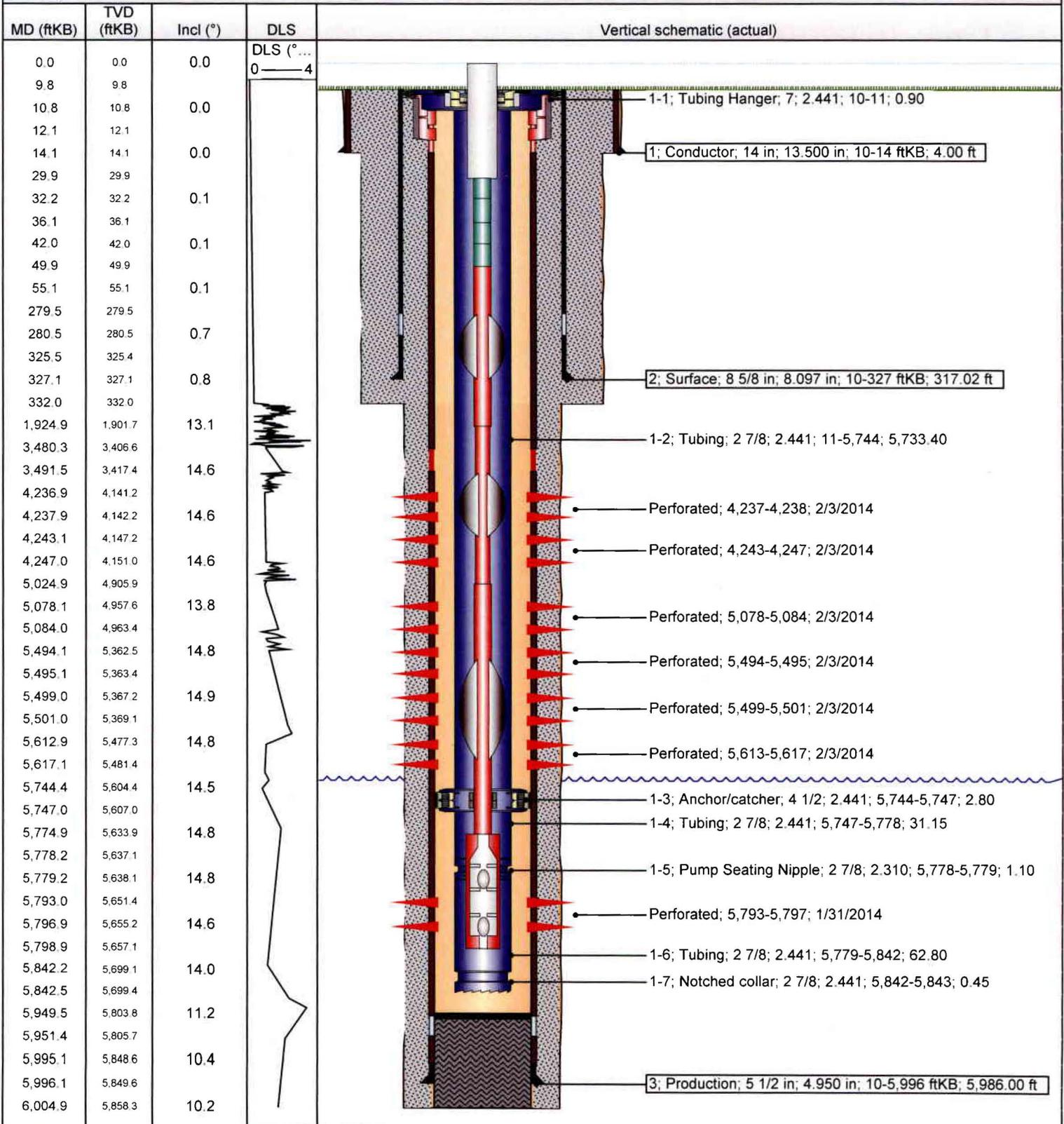
| | | | | | | | |
|---|-------------------------------|---------------------------|-------------------------------------|--------------------------------|---|--|--------------------|
| Surface Legal Location NWSW 2054 FSL 675 FWL Sec 13 T9S R16E Mer SLB | | API/WVI 43013522860000 | Well RC 500346522 | Lease UTU64805 | State/Province Utah | Field Name GMBU CTB5 | County Duchesne |
| Spud Date 12/28/2013 | Rig Release Date 1/16/2014 | On Production Date | Original KB Elevation (ft) 5,564 | Ground Elevation (ft) 5,554 | Total Depth All (TVD) (ftKB) Original Hole - 5,858.3 | PBTD (All) (ftKB) Original Hole - 5,949.6 | |

Most Recent Job

| | | | | |
|------------------------------------|--|---------------------------|-----------------------------|---------------------------|
| Job Category Initial Completion | Primary Job Type Fracture Treatment | Secondary Job Type P&P | Job Start Date 1/31/2014 | Job End Date 2/10/2014 |
|------------------------------------|--|---------------------------|-----------------------------|---------------------------|

TD: 6,005.0

Slant - Original Hole, 5/7/2014 4:50:26 PM



43-013-52285

Well Name: GMBU K-14-9-16

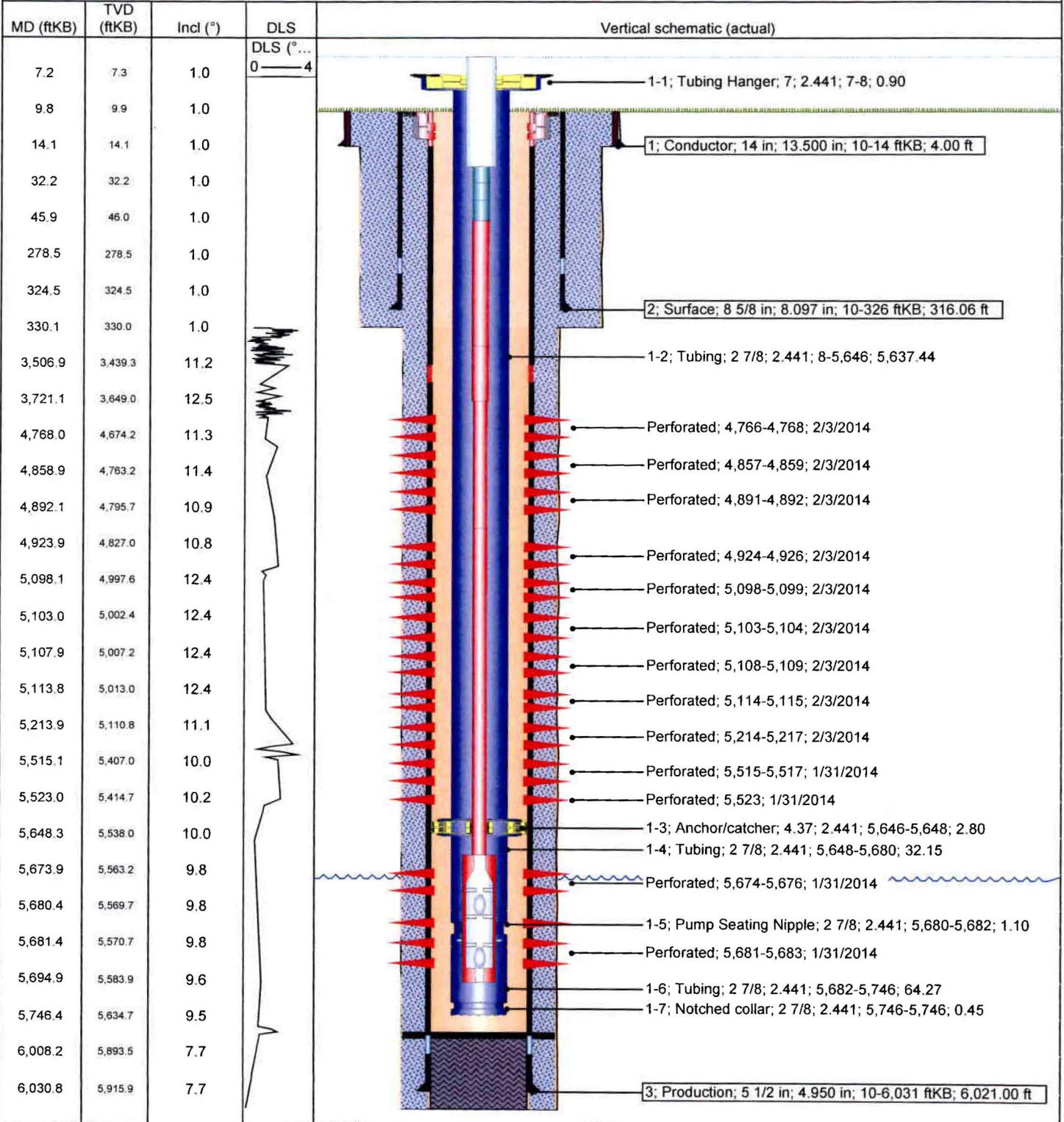
| | | | | | | | |
|---|-------------------------------|--------------------------|-------------------------------------|--------------------------------|---|--|--------------------|
| Surface Legal Location NWSW 2034 FSL 667 FWL Sec 13 T9S R16E Mer SLB | | API/UW 43013522850000 | Well RC 500360788 | Lease UTU64805 | State/Province Utah | Field Name GMBU CTB5 | County Duchesne |
| Spud Date 12/27/2013 | Rig Release Date 1/12/2014 | On Production Date | Original KB Elevation (ft) 5,564 | Ground Elevation (ft) 5,554 | Total Depth All (TVD) (ftKB) Original Hole - 5,928.9 | PBTD (All) (ftKB) Original Hole - 6,006.6 | |

Most Recent Job

| | | | | |
|------------------------------------|--|---------------------------|-----------------------------|--------------|
| Job Category Initial Completion | Primary Job Type Fracture Treatment | Secondary Job Type P&P | Job Start Date 1/31/2014 | Job End Date |
|------------------------------------|--|---------------------------|-----------------------------|--------------|

TD: 6,044.0

Slant - Original Hole, 4/9/2014 2:58:24 PM



ATTACHMENT F

10f7



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **FEDERAL 4-24-9-16**

Sample Point:

Sample Date: **4/21/2014**

Sample ID: **WA-272366**

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: | 4/22/2014 | Sodium (Na): | 6312.40 | Chloride (Cl): | 8000.00 |
| System Temperature 1 (°F): | 120 | Potassium (K): | 9.60 | Sulfate (SO ₄): | 76.00 |
| System Pressure 1 (psig): | 60 | Magnesium (Mg): | 9.00 | Bicarbonate (HCO ₃): | 3050.00 |
| System Temperature 2 (°F): | 210 | Calcium (Ca): | 15.00 | Carbonate (CO ₃): | |
| System Pressure 2 (psig): | 60 | Strontium (Sr): | 3.20 | Acetic Acid (CH ₃ COO) | |
| Calculated Density (g/ml): | 1.009 | Barium (Ba): | 0.72 | Propionic Acid (C ₂ H ₅ COO) | |
| pH: | 9.00 | Iron (Fe): | 22.00 | Butanoic Acid (C ₃ H ₇ COO) | |
| Calculated TDS (mg/L): | 17512.78 | Zinc (Zn): | 0.47 | Isobutyric Acid ((CH ₃) ₂ CHCOO) | |
| CO ₂ in Gas (%): | | Lead (Pb): | 0.00 | Fluoride (F): | |
| Dissolved CO ₂ (mg/L): | 0.00 | Ammonia NH ₃ : | | Bromine (Br): | |
| H ₂ S in Gas (%): | | Manganese (Mn): | 0.69 | Silica (SiO ₂): | 13.70 |
| H ₂ S in Water (mg/L): | 10.00 | | | | |

Notes:

B=0 AI=.6 LI=.96

(PTB = Pounds per Thousand Barrels)

| Temp (°F) | PSI | Calcium Carbonate | | Barium Sulfate | | Iron Sulfide | | Iron Carbonate | | Gypsum CaSO ₄ ·2H ₂ O | | Celestite SrSO ₄ | | Halite NaCl | | Zinc Sulfide | |
|-----------|-------|-------------------|-------|----------------|------|--------------|------|----------------|-------|---|------|-----------------------------|------|-------------|------|--------------|------|
| | | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB |
| 210.00 | 60.00 | 2.05 | 13.01 | 0.00 | 0.00 | 4.65 | 9.05 | 4.26 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.70 | 0.25 |
| 200.00 | 60.00 | 2.01 | 12.99 | 0.00 | 0.00 | 4.65 | 9.05 | 4.21 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.79 | 0.25 |
| 190.00 | 60.00 | 1.96 | 12.98 | 0.00 | 0.00 | 4.64 | 9.05 | 4.17 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.88 | 0.25 |
| 180.00 | 60.00 | 1.92 | 12.97 | 0.00 | 0.00 | 4.64 | 9.05 | 4.13 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.98 | 0.25 |
| 170.00 | 60.00 | 1.88 | 12.95 | 0.00 | 0.00 | 4.65 | 9.05 | 4.08 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.09 | 0.25 |
| 160.00 | 60.00 | 1.84 | 12.93 | 0.00 | 0.00 | 4.66 | 9.05 | 4.03 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.21 | 0.25 |
| 150.00 | 60.00 | 1.81 | 12.91 | 0.00 | 0.00 | 4.68 | 9.05 | 3.98 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.33 | 0.25 |
| 140.00 | 60.00 | 1.77 | 12.89 | 0.00 | 0.00 | 4.71 | 9.05 | 3.93 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.46 | 0.25 |
| 130.00 | 60.00 | 1.74 | 12.88 | 0.00 | 0.00 | 4.74 | 9.05 | 3.88 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.60 | 0.25 |
| 120.00 | 60.00 | 1.71 | 12.86 | 0.00 | 0.00 | 4.78 | 9.05 | 3.83 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.75 | 0.25 |

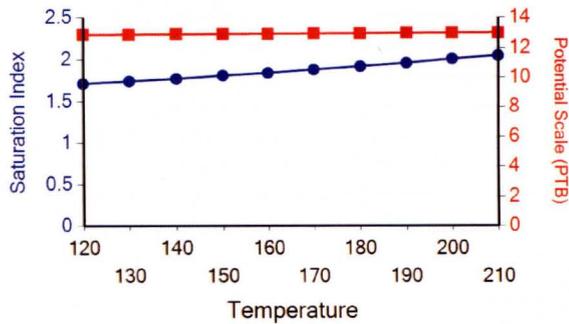
Water Analysis Report

| Temp (°F) | PSI | Hemihydrate CaSO ₄ ·0.5H ₂ O | | Anhydrate CaSO ₄ | | Calcium Fluoride | | Zinc Carbonate | | Lead Sulfide | | Mg Silicate | | Ca Mg Silicate | | Fe Silicate | |
|-----------|-------|---|------|--------------------------------|------|---------------------|------|-------------------|------|-----------------|------|----------------|-------|-------------------|------|----------------|-------|
| | | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB |
| 210.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 0.32 | 0.00 | 0.00 | 8.02 | 16.56 | 3.97 | 8.57 | 15.83 | 14.86 |
| 200.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 0.32 | 0.00 | 0.00 | 7.65 | 16.53 | 3.76 | 8.55 | 15.59 | 14.86 |
| 190.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 0.32 | 0.00 | 0.00 | 7.29 | 16.49 | 3.56 | 8.52 | 15.34 | 14.86 |
| 180.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 0.32 | 0.00 | 0.00 | 6.91 | 16.43 | 3.35 | 8.48 | 15.09 | 14.86 |
| 170.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | 0.32 | 0.00 | 0.00 | 6.53 | 16.35 | 3.14 | 8.42 | 14.85 | 14.86 |
| 160.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 0.32 | 0.00 | 0.00 | 6.15 | 16.24 | 2.93 | 8.35 | 14.60 | 14.86 |
| 150.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 0.31 | 0.00 | 0.00 | 5.76 | 16.08 | 2.72 | 8.26 | 14.36 | 14.86 |
| 140.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 0.31 | 0.00 | 0.00 | 5.36 | 15.87 | 2.51 | 8.15 | 14.11 | 14.86 |
| 130.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 0.31 | 0.00 | 0.00 | 4.97 | 15.61 | 2.29 | 7.99 | 13.87 | 14.86 |
| 120.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 0.31 | 0.00 | 0.00 | 4.57 | 15.28 | 2.08 | 7.80 | 13.64 | 14.86 |

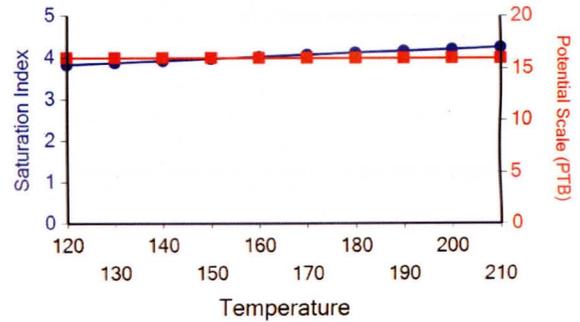
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

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

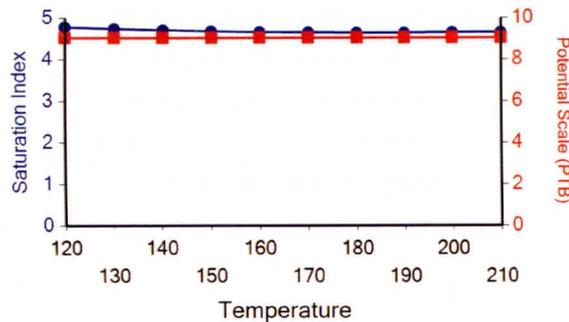
Calcium Carbonate



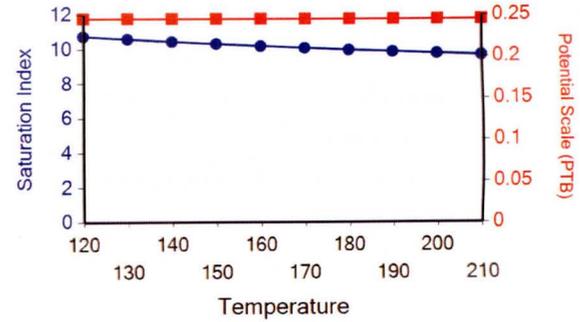
Iron Carbonate



Iron Sulfide

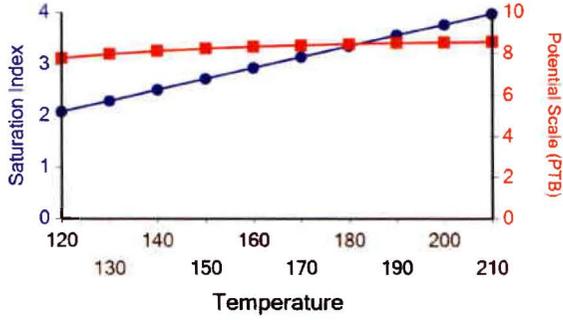


Zinc Sulfide

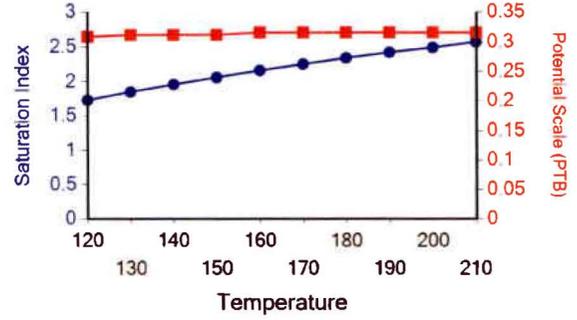


Water Analysis Report

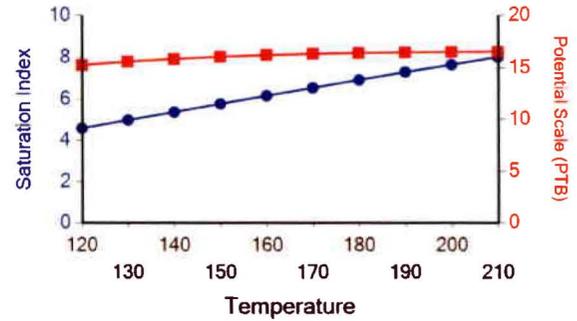
Ca Mg Silicate



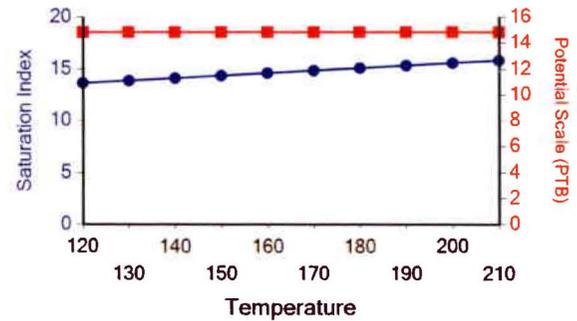
Zinc Carbonate



Mg Silicate



Fe Silicate



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Jacob Bird**

Well Name: **BELUGA INJ FACILITY**

Lab Tech: **Gary Winegar**

Sample Point: **Commingled After**

Sample Date: **11/4/2013**

Sample ID: **WA-257478**

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 ₄): | 266.00 |
| System Pressure 1 (psig): | 1300 | Magnesium (Mg): | 24.00 | Bicarbonate (HCO ₃): | 1654.00 |
| System Temperature 2 (°F): | 70 | Calcium (Ca): | 46.00 | Carbonate (CO ₃): | |
| System Pressure 2 (psig): | 15 | Strontium (Sr): | 4.90 | Acetic Acid (CH ₃ COO) | |
| Calculated Density (g/ml): | 1.004 | Barium (Ba): | 3.90 | Propionic Acid (C ₂ H ₅ COO) | |
| pH: | 8.30 | Iron (Fe): | 1.23 | Butanoic Acid (C ₃ H ₇ COO) | |
| Calculated TDS (mg/L): | 9712.71 | Zinc (Zn): | 0.33 | Isobutyric Acid ((CH ₃) ₂ CHCOO) | |
| CO ₂ in Gas (%): | | Lead (Pb): | 0.08 | Fluoride (F): | |
| Dissolved CO ₂ (mg/L): | 224.00 | Ammonia NH ₃ : | | Bromine (Br): | |
| H ₂ S in Gas (%): | | Manganese (Mn): | 0.36 | Silica (SiO ₂): | 16.91 |
| H ₂ S in Water (mg/L): | 9.00 | | | | |

Notes:

B=4.9 AI=0.7 LI=58

(PTB = Pounds per Thousand Barrels)

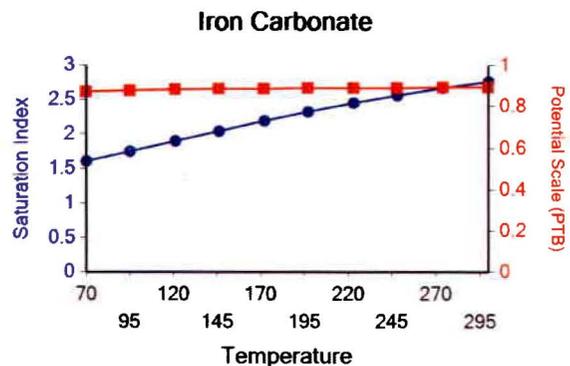
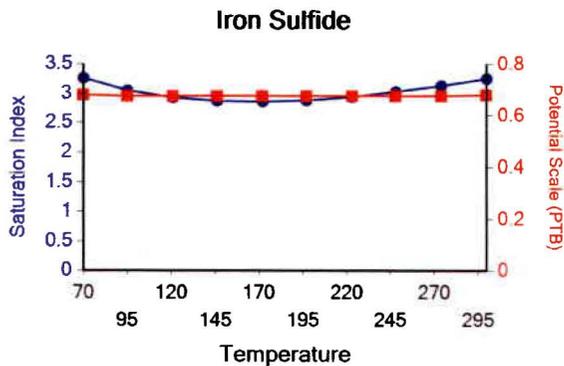
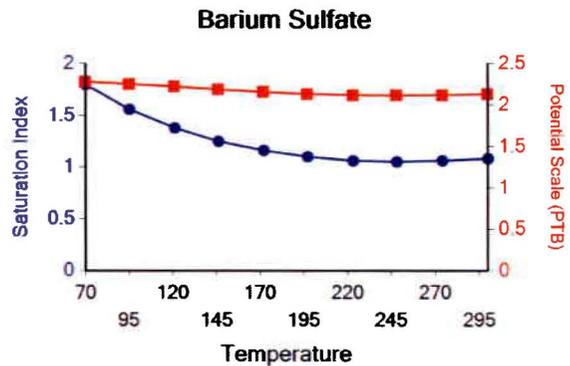
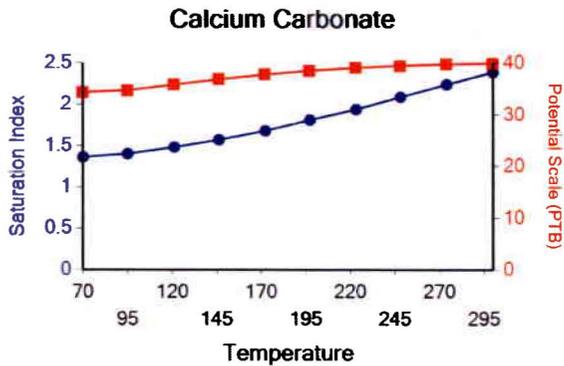
| Temp (°F) | PSI | Calcium Carbonate | | Barium Sulfate | | Iron Sulfide | | Iron Carbonate | | Gypsum CaSO ₄ ·2H ₂ O | | Celestite SrSO ₄ | | Halite NaCl | | Zinc Sulfide | |
|-----------|---------|-------------------|-------|----------------|------|--------------|------|----------------|------|---|------|-----------------------------|------|-------------|------|--------------|------|
| | | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | PTB |
| 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 |

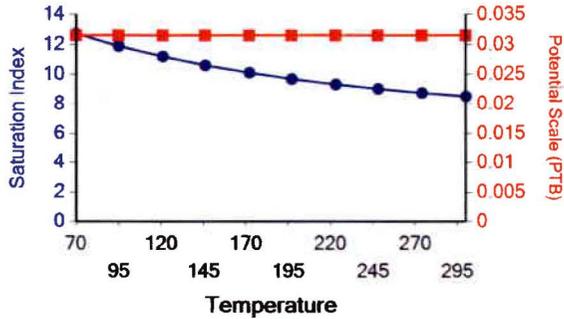
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate

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

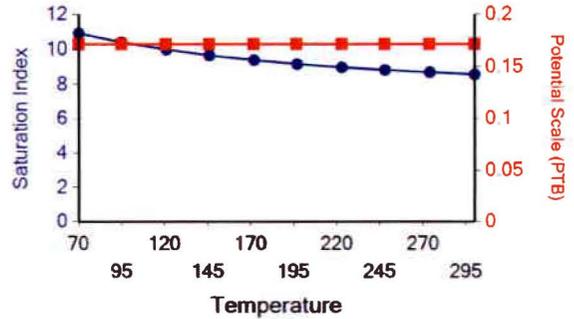


Water Analysis Report

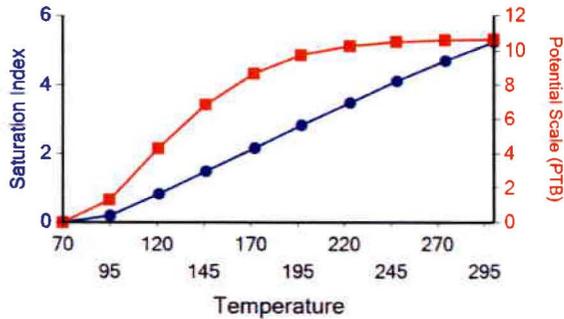
Lead Sulfide



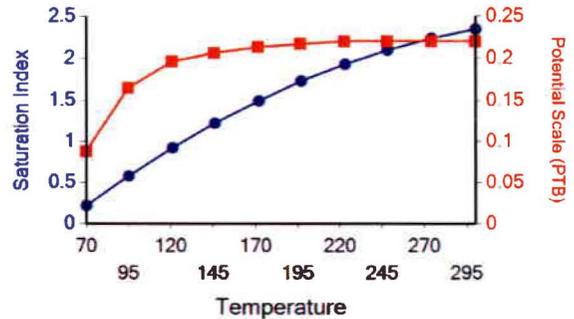
Zinc Sulfide



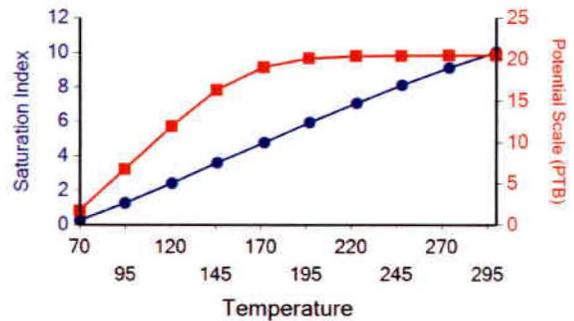
Ca Mg Silicate



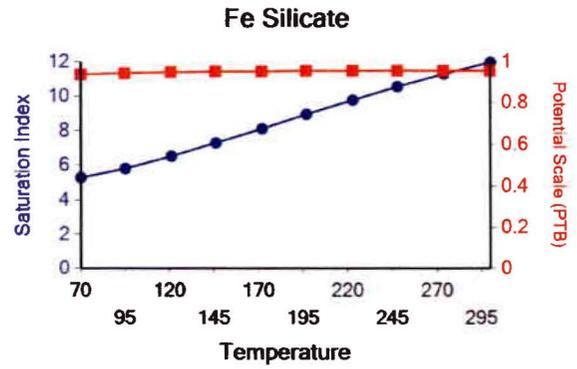
Zinc Carbonate



Mg Silicate



Water Analysis Report



Attachment "G"

**Federal #4-24-9-16
Proposed Maximum Injection Pressure**

| Frac Interval (feet) | | Avg. Depth (feet) | ISIP (psi) | Calculated Frac Gradient (psi/ft) | Pmax |
|-------------------------|--------|----------------------|---------------|--|---------------|
| Top | Bottom | | | | |
| 5350 | 5360 | 5355 | 2169 | 0.84 | 2134 |
| 5062 | 5068 | 5065 | 3354 | 1.10 | 3321 |
| 4936 | 4947 | 4942 | 2069 | 0.85 | 2037 |
| 4893 | 4900 | 4897 | 2069 | 0.86 | 2037 |
| 4481 | 4491 | 4486 | 2153 | 0.91 | 2124 |
| 4018 | 4032 | 4025 | 1788 | 0.88 | 1762 |
| | | | | Minimum | <u>1762</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.

21



DAILY COMPLETION REPORT

WELL NAME: Federal 4-24-9-16 Report Date: 2/18/2008 Day: 1
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 324' Prod Csg: 5-1/2" @ 5674' Csg PBDT: 5672' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: CP1 sds, 5350-5360', 4/40

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/15/2008 SITP: SICP: 0

Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5672' & cement top @ 84'. Perforate stage #1, CP1 sds @ 5350-60' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 4 spf for total of 40 shots. 110 BWTR. SWIFN.

FLUID RECOVERY (BBLs)

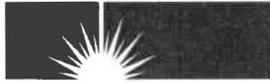
Starting fluid load to be recovered: 110 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 110 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

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

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



DAILY COMPLETION REPORT

WELL NAME: Federal 4-24-9-16 **Report Date:** 2/22/2008 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 324' **Prod Csg:** 5-1/2" @ 5674' **Csg PBTD:** 5672' WL
Tbg: Size: Wt: **Grd:** Pkr/EOT @: **BP/Sand PBTD:**

PERFORATION RECORD

| <u>Zone</u> | <u>Perfs</u> | <u>SPF/#shots</u> | <u>Zone</u> | <u>Perfs</u> | <u>SPF/#shots</u> |
|----------------|-------------------|-------------------|-------------|--------------|-------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| CP1 sds | 5350-5360' | 4/40 | | | |

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/21/2008 **SITP:** SICP: 35

Day 2a, Stage #1 CP1 sds.

RU BJ Services. 35 psi on well. Frac CP1 sds w/ 19,538#'s of 20/40 sand in 318 bbls of Lightning 17 fluid. Broke @ 3150 psi. Treated w/ ave pressure of 2319 psi w/ ave rate of 23.0 BPM. ISIP 2169 psi. Leave pressure on well. 42% BWTR. See day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 110 **Starting oil rec to date:**
Fluid lost/recovered today: 318 **Oil lost/recovered today:**
Ending fluid to be recovered: 428 **Cum oil recovered:**
IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: CP1 sds down casing
1457 gals of Techna Hib & to cross link
2000 gals of pad
1511 gals w/ 1-4 ppg of 20/40 sand
3025 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4838 gals of slick water

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

Max TP: 2490 **Max Rate:** 23.2 bpm **Total fluid pmpd:** 318 bbls
Avg TP: 2319 **Avg Rate:** 23.0 bpm **Total Prop pmpd:** 19,538#'s
ISIP: 2169 **5 min:** **10 min:** **FG:** .84

Completion Supervisor: Don Dulen

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

NEWFIELD



ATTACHMENT G-1
4 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 4-24-9-16 **Report Date:** 2/22/2008 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 324' **Prod Csg:** 5-1/2" @ 5674' **Csg PBDT:** 5672' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** _____
CBP @ 4990', 5170'

PERFORATION RECORD

| Zone | Perfs | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| A1 sds | 4893-4900' | 4/28 | | | |
| A3 sds | 4936-4947' | 4/44 | | | |
| LODC sds | 5062-5068' | 4/24 | | | |
| CP1 sds | 5350-5360' | 4/40 | | | |

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/21/2008 **SITP:** _____ **SICP:** 1468

Day 2c, Stage #3 A1 & A3 sds

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7', 11' per guns. Set plug @ 4990'. Perforate A1 sds @ 4893-4900' & A3 sds @ 4936-47' w/ 3-1/8" Slick Guns (19 gram, .49' HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 72 shots. RU BJ Services. 1668 psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. 1624 psi on well. Perfs would not break. Open well to pi for cleanup. Well flowed for 30 min. & died. RD BJ Services & wireline. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 428 **Starting oil rec to date:** _____
Fluid lost/recovered today: 267 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 695 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: A1 & A3 sds down casing
1768 gals of Techna Hib & to cross link
1500 gals of pad
1149 gals w/ 1-4 ppg of 20/40 sand
2298 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 3982 gals of slick water

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

Max TP: 3134 **Max Rate:** 23.2 bpm **Total fluid pmpd:** 267 bbls
Avg TP: 2913 **Avg Rate:** 23.1 bpm **Total Prop pmpd:** 14,448#'s
ISIP: 3354 **5 min:** _____ **10 min:** _____ **FG:** 1.1

Completion Supervisor: Don Dulen **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 4-24-9-16 **Report Date:** 2/24/2008 **Day:** 4a
Operation: Completion **Rig:** Western #4

WELL STATUS

Surf Csg: 8-5/8' @ 324' **Prod Csg:** 5-1/2" @ 5674' **Csg PBDT:** 5672' WL
Tbg: Size: 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 0' **BP/Sand PBDT:** _____
CBP @ 4990', 5170'

PERFORATION RECORD

| Zone | Perfs | SPF/#shots | Zone | Perfs | SPF/#shots |
|-----------------|-------------------|-------------|-------|-------|------------|
| <u>A1 sds</u> | <u>4893-4900'</u> | <u>4/28</u> | _____ | _____ | _____ |
| <u>A3 sds</u> | <u>4936-4947'</u> | <u>4/44</u> | _____ | _____ | _____ |
| <u>LODC sds</u> | <u>5062-5068'</u> | <u>4/24</u> | _____ | _____ | _____ |
| <u>CP1 sds</u> | <u>5350-5360'</u> | <u>4/40</u> | _____ | _____ | _____ |

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/23/2008 **SITP:** _____ **SICP:** 226

Day 4a, Stage #3 A1 & A3 sds.

RU BJ Services. 226 psi on well. Frac A1 & A3 sds w/ 79,356#'s of 20/40 sand in 628 bbls of Lightning 17 fluid Broke @ 2954 psi. Treated w/ ave pressure of 2038 psi w/ ave rate of 23.1 BPM. ISIP 2069 psi. Leave pressure or well. 1323 BWTR. See day 4b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 695 **Starting oil rec to date:** _____
Fluid lost/recovered today: 628 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1323 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: A1 & A3 sds down casing

- 1642 gals of Techna Hib & to cross link
- 6000 gals of pad
- 4000 gals w/ 1-5 ppg of 20/40 sand
- 8000 gals w/ 5-8 ppg of 20/40 sand
- 1849 gals w/ 8 ppg of 20/40 sand
- 504 gals of 15% HCL acid
- Flush w/ 4385 gals of slick water

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

Max TP: 2954 **Max Rate:** 23.2 bpm **Total fluid pmpd:** 628 bbls
Avg TP: 2038 **Avg Rate:** 23.1 bpm **Total Prop pmpd:** 79,356#'s
ISIP: 2069 **5 min:** _____ **10 min:** _____ **FG:** .86

Completion Supervisor: Don Dulen

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

NEWFIELD



ATTACHMENT G-1

70910

DAILY COMPLETION REPORT

WELL NAME: Federal 4-24-9-16 **Report Date:** 2/24/2008 **Day:** 4b
Operation: Completion **Rig:** Western #4

WELL STATUS

Surf Csg: 8-5/8' @ 324' **Prod Csg:** 5-1/2" @ 5674' **Csg PBDT:** 5672' WL
Tbg: **Size:** 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 0' **BP/Sand PBDT:** _____
CBP @ 4570', 4990', 5170'

PERFORATION RECORD

| Zone | Perfs | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| D1 sds | 4481-4491' | 4/40 | | | |
| A1 sds | 4893-4900' | 4/28 | | | |
| A3 sds | 4936-4947' | 4/44 | | | |
| LODC sds | 5062-5068' | 4/24 | | | |
| CP1 sds | 5350-5360' | 4/40 | | | |

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/23/2008 **SITP:** _____ **SICP:** 1236

Day 4b, Stage #4 D1 sds
 RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' per gun. Set plug @ 4570'. Perforate D1 sds @ 4481-91' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 1919 psi on well. Perfs would not break. Duimp bai acid on perfs. RU BJ Services. 1236 psi on well. Frac D1 sds w/ 54,904#'s of 20/40 sand in 482 bbls of Lightning 17 fluid. Broke @ 3972 psi. Treated w/ ave pressure of 2070 psi @ ave rate of 23.1 BPM. ISIP 2153 psi. Leave pressure on well. 1805 BWTR. See day4c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1323 **Starting oil rec to date:** _____
Fluid lost/recovered today: 482 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1805 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: D1 sds down casing

- 1399 gals of Techna Hib & to cross link
- 4400 gals of pad
- 2944 gals w/ 1-5 ppg of 20/40 sand
- 5872 gals w/ 5-8 ppg of 20/40 sand
- 1152 gals w/ 8 ppg of 20/40 sand
- 504 gals of 15% HCL acid
- Flush w/ 3973 gals of slick water

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

Max TP: 2155 **Max Rate:** 23.3 bpm **Total fluid pmpd:** 482 bbls
Avg TP: 2070 **Avg Rate:** 23.1 bpm **Total Prop pmpd:** 54,904#'s
ISIP: 2153 **5 min:** _____ **10 min:** _____ **FG:** .91

Completion Supervisor: Don Dulen

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

NEWFIELD



ATTACHMENT **GA**

8 of 10

DAILY COMPLETION REPORT

WELL NAME: Federal 4-24-9-16 **Report Date:** 2/24/2008 **Day:** 4c
Operation: Completion **Rig:** Western #4

WELL STATUS

Surf Csg: 8-5/8' @ 324' **Prod Csg:** 5-1/2" @ 5674' **Csg PBTD:** 5672' WL
Tbg: Size: 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 0' **BP/Sand PBTD:** 4130'
CBP @ 4570', 4990', 5170'

PERFORATION RECORD

| Zone | Perfs | SPF/#shots | Zone | Perfs | SPF/#shots |
|----------|------------|------------|------|-------|------------|
| GB6 sds | 4018-4032' | 4/56 | | | |
| D1 sds | 4481-4491' | 4/40 | | | |
| A1 sds | 4893-4900' | 4/28 | | | |
| A3 sds | 4936-4947' | 4/44 | | | |
| LODC sds | 5062-5068' | 4/24 | | | |
| CP1 sds | 5350-5360' | 4/40 | | | |

CHRONOLOGICAL OPERATIONS

Date Work Performed: 2/23/2008 **SITP:** _____ **SICP:** 1805

Day 4c, Stage #5 GB6 sds
 RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' per gun. Set plug @ 4130'. Perforate GB6 sds @ 4018-32' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" per EXP-3319-331 Titan) w/ 4 spf for total of 56 shots. RU BJ Services. 2030 psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. 1805 psi on well. Frac GB6 sds w/ 74,458#'s of 20/40 sand in 594 bbls of Lightning 17 fluid. Broke @ 4104 psi. Treated w/ ave pressure of 2125 psi @ ave rate of 23.1 BPM. ISIP 1788 psi Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 5 hrs. & died. Recovered 280 bbls SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1805 **Starting oil rec to date:** _____
Fluid lost/recovered today: 314 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2119 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: GB6 sds down casing
1546 gals of Techna Hib & to cross link
6000 gals of pad
4000 gals w/ 1-5 ppg of 20/40 sand
8000 gals w/ 5-8 ppg of 20/40 sand
1471 gals w/ 8 ppg of 20/40 sand
Flush w/ 3931 gals of slick water

Max TP: 2795 **Max Rate:** 23.3 bpm **Total fluid pmpd:** 594 bbls
Avg TP: 2125 **Avg Rate:** 23.1 bpm **Total Prop pmpd:** 74,458#'s
ISIP: 1788 **5 min:** _____ **10 min:** _____ **FG:** .88

Completion Supervisor: Don Dulen

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

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3968'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 166' balance plug using 19 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 43 sx Class "G" cement down 5 ½" casing to 366'.

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

FEDERAL 4-24-9-16

Spud Date: 12/12/07
 Put on Production: 02/26/08
 GL: 5613' KB: 5625'

Initial Production: BOPD,
 MCFD, BWPD

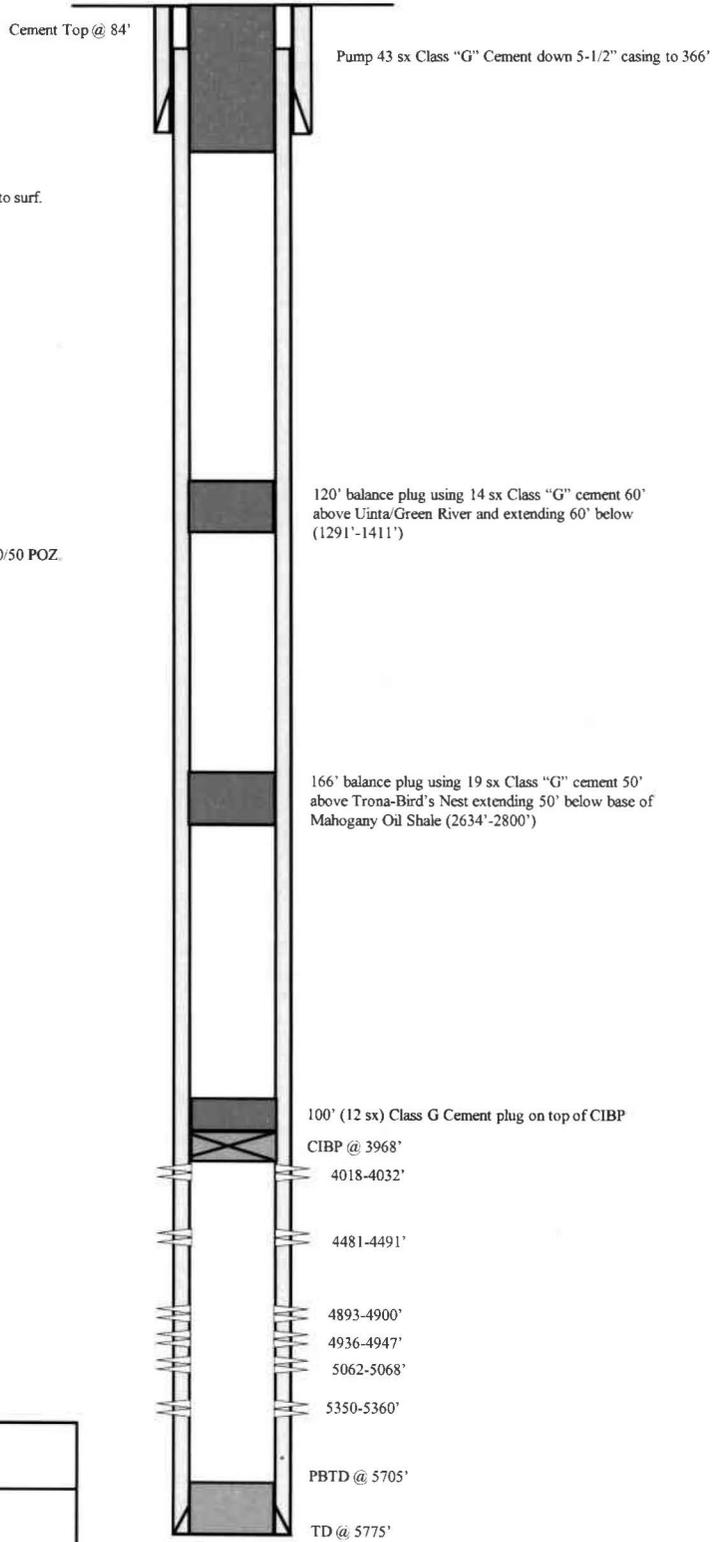
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (304.16')
 DEPTH LANDED: 316.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5745.08')
 DEPTH LANDED: 5758.33' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 84'



| |
|---|
|  |
| FEDERAL 4-24-9-16 462' FNL & 679' FWL NW/NW Section 24-T9S-R16E Duchesne Co, Utah API #43-013-33004; Lease # UTU-15855 |