



May 18, 2006

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

RE: Applications for Permit to Drill: Federal 5-19-9-16, 9-22-9-16, 3-23-9-16, 4-23-9-16, 11-23-9-16, 12-23-9-16, 13-23-9-16, 14-23-9-16, 15-23-9-16, and 16-23-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed Federal 11-23-9-16 is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
MAY 19 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

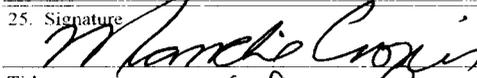
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

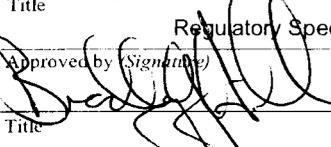
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-15855
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <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 4-23-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 499' FNL 685' FWL 577404X 40.022191 At proposed prod. zone 4430404Y -110.092944		9. API Well No. 43-013-33177
14. Distance in miles and direction from nearest town or post office* Approximatley 19.5 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. 499' f/lse, NA' f/unit	16. No. of Acres in lease 1200.00	11. Sec., T., R., M., or Blk. and Survey or Area NW/NW Sec. 23, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1251'	19. Proposed Depth 5953'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5716' GL	20. BLM/BIA Bond No. on file UTB000192	13. State UT
22. Approximate date work will start* 3rd 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 5/18/06
--	---	------------------------

Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 05-25-06
Title ENVIRONMENTAL MANAGER		

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

Conditions of approval, if any, are attached.

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

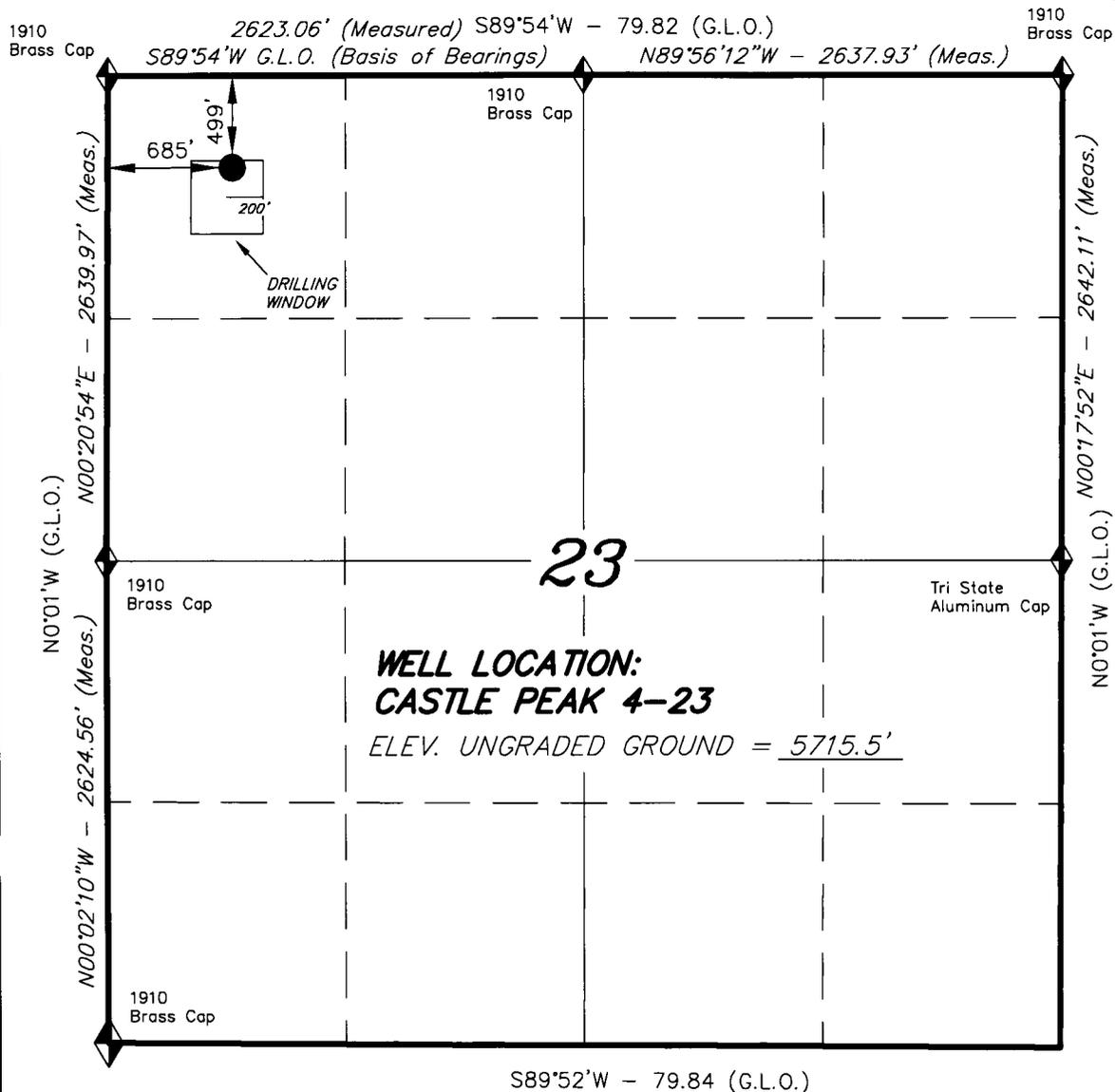
*(Instructions on reverse)

**Federal Approval of this
Action Is Necessary**

RECEIVED
MAY 19 2006
DIV. OF OIL, GAS & MINING

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

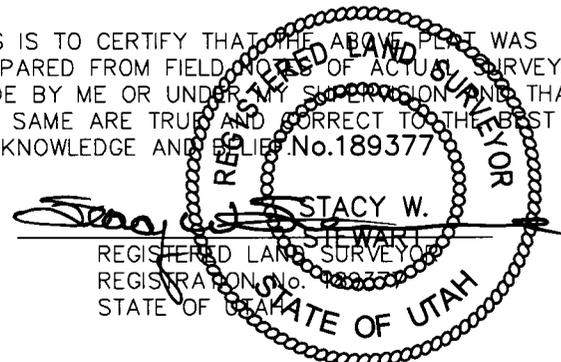
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, CASTLE PEAK 4-23,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 1/4 OF SECTION 23, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

CASTLE PEAK 4-23
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 19.92"
 LONGITUDE = 110° 05' 36.82"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 04-07-06	SURVEYED BY: C.M.
DATE DRAWN: 04-12-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
FEDERAL #4-23-9-16
NW/NW SECTION 23, 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' – 2258'
Green River	2258'
Wasatch	5953'

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

Green River Formation 2258' – 5953' - 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 #4-23-9-16
NW/NW SECTION 23, 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 #4-23-9-16 located in the NW 1/4 NW 1/4 Section 23, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.7 miles \pm to its junction with an existing dirt road to the southwest; proceed southwesterly - 5.8 miles \pm to its junction with an existing road to the north; proceed northerly - 0.2 miles \pm to its junction the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road - 0.2 miles \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 (Proposed location and access roads leading to).

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 #4-23-9-16 Newfield Production Company requests a 170' ROW be granted in Lease UTU-74391 and 940' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 170' ROW be granted in Lease UTU-74391 and 940' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 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.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass *Agropyron Cristatum* 12 lbs/acre

Details of the On-Site Inspection

The proposed Federal #4-23-9-16 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 #4-23-9-16 NW/NW Section 23, 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 US Specialty Insurance #B001832.

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.

5/18/06

Date

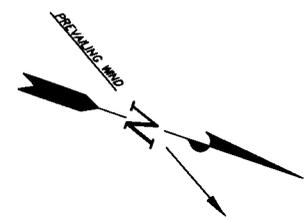


Mandie Crozier
Regulatory Specialist
Newfield Production Company

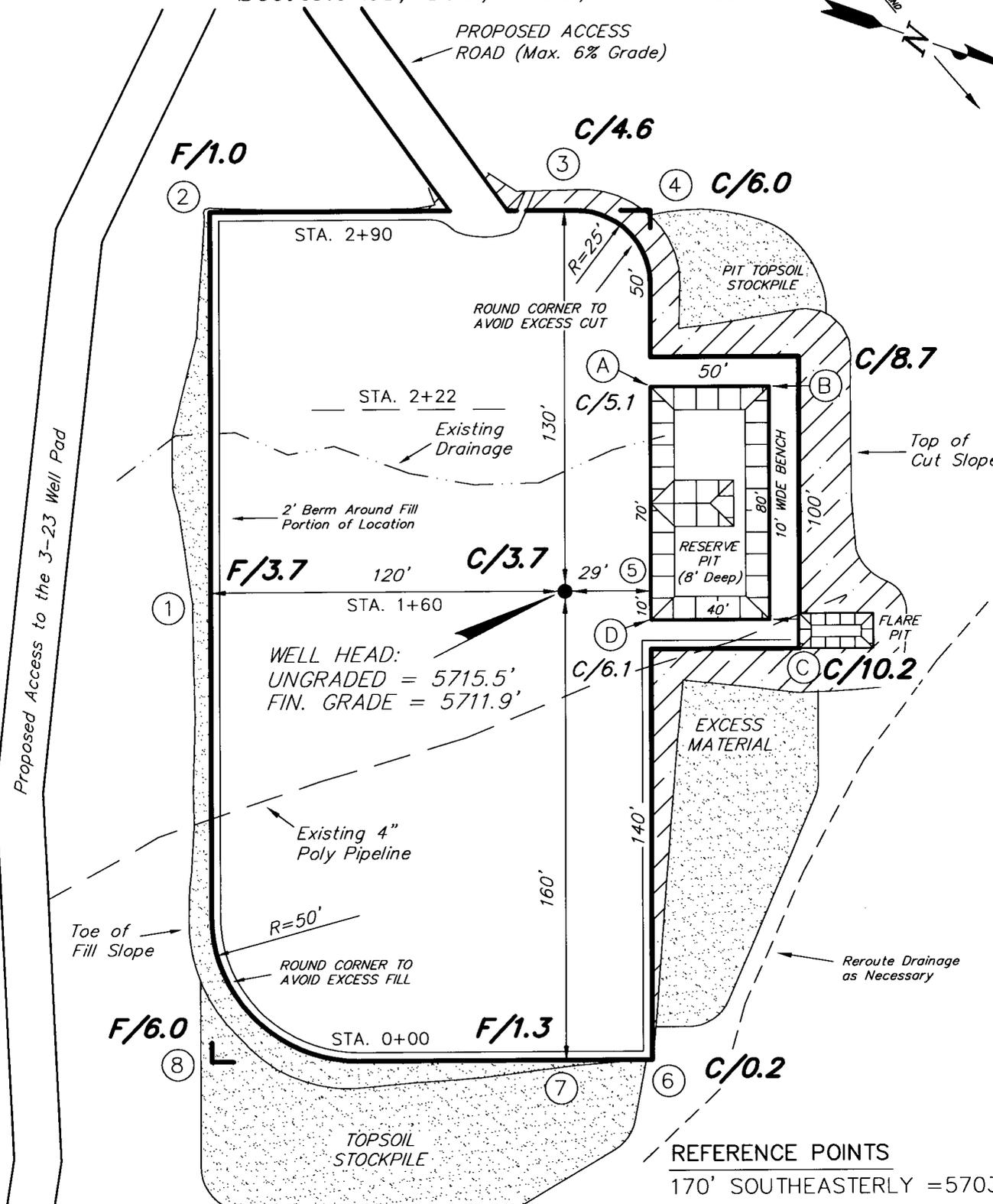
NEWFIELD PRODUCTION COMPANY

CASTLE PEAK 4-23

Section 23, T9S, R16E, S.L.B.&M.



PROPOSED ACCESS ROAD (Max. 6% Grade)



- REFERENCE POINTS**
- 170' SOUTHEASTERLY = 5703.1'
 - 220' SOUTHEASTERLY = 5698.2'
 - 210' NORTHEASTERLY = 5707.3'
 - 260' NORTHEASTERLY = 5707.5'

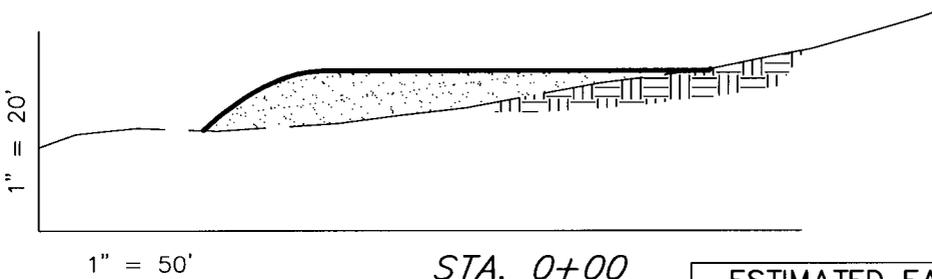
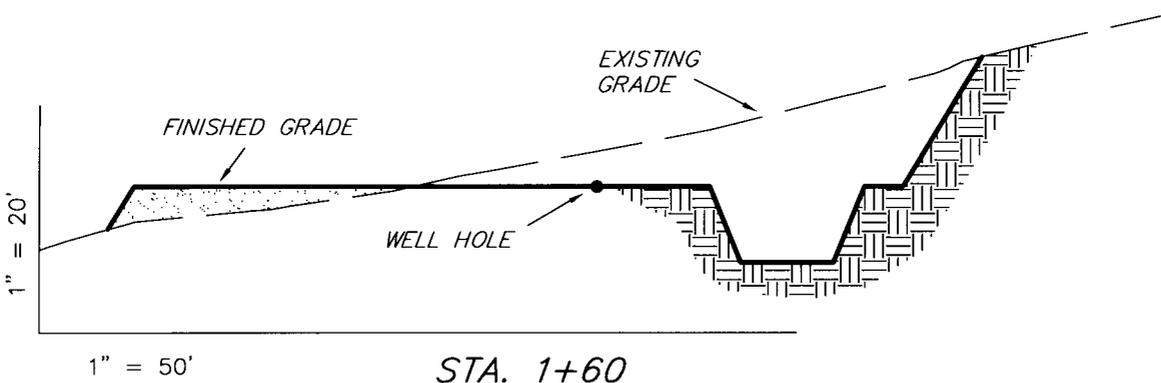
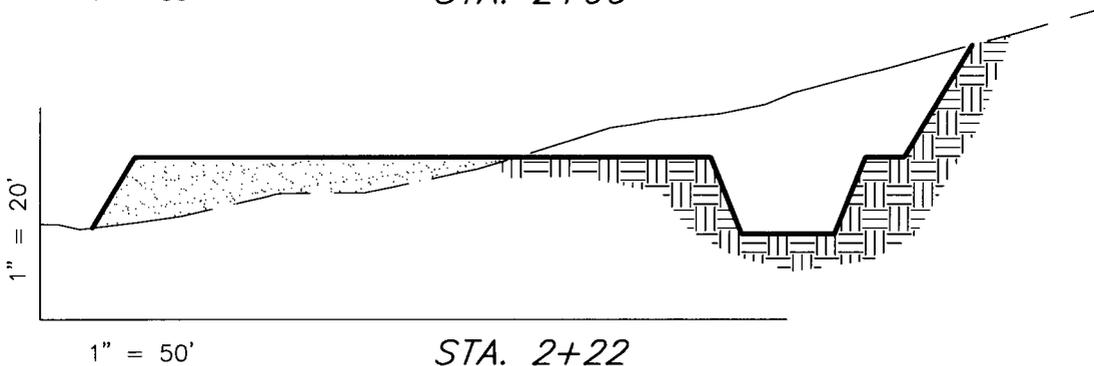
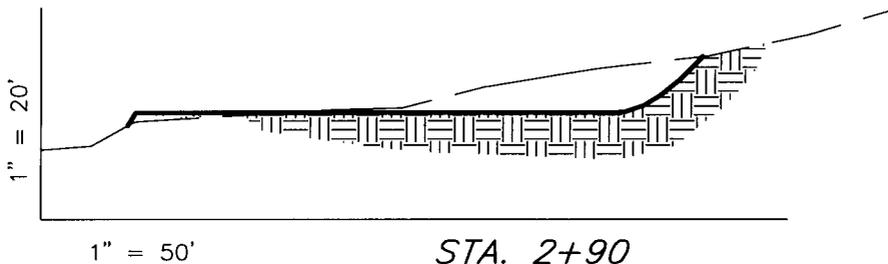
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 04-12-06

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

NEW FIELD PRODUCTION COMPANY

CROSS SECTIONS

CASTLE PEAK 4-23



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,230	3,230	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,870	3,230	1,030	640

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

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

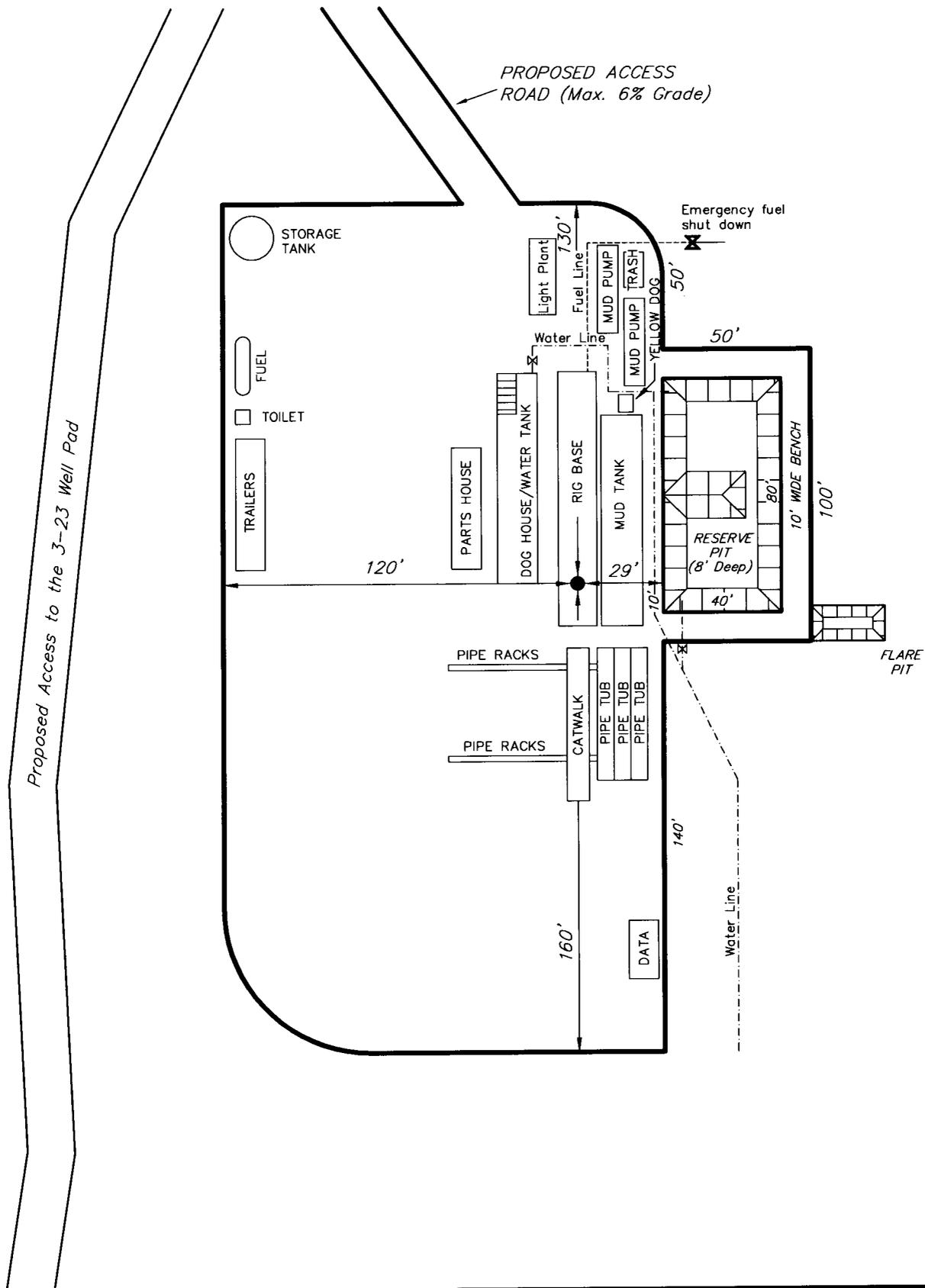
DATE: 04-12-06

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

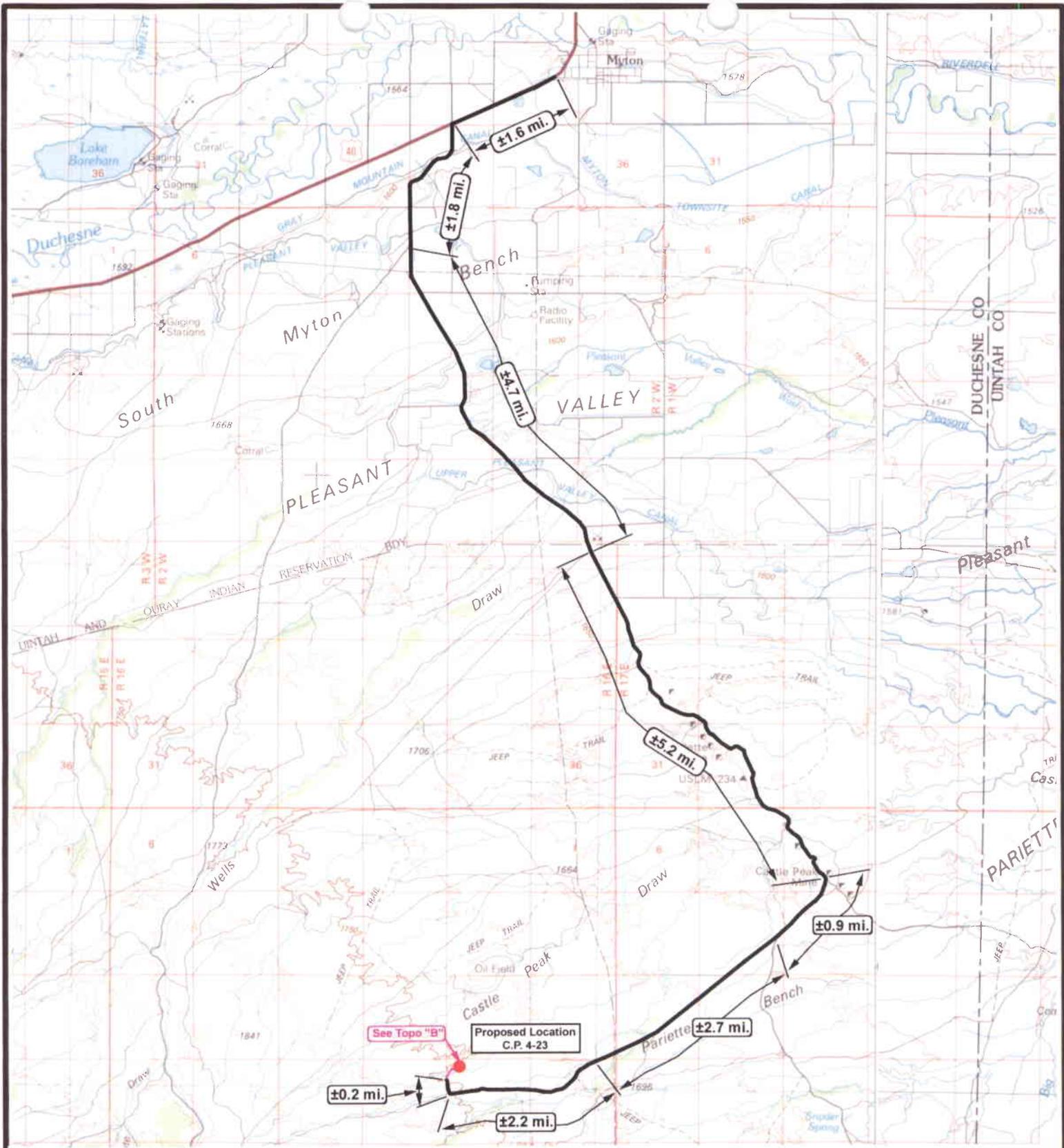
NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

CASTLE PEAK 4-23



SURVEYED BY: C.M.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: F.T.M.	DATE: 04-12-06	




NEWFIELD
 Exploration Company

Castle Peak 4-23-9-16
SEC. 23, T9S, R16E, S.L.B.&M.




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

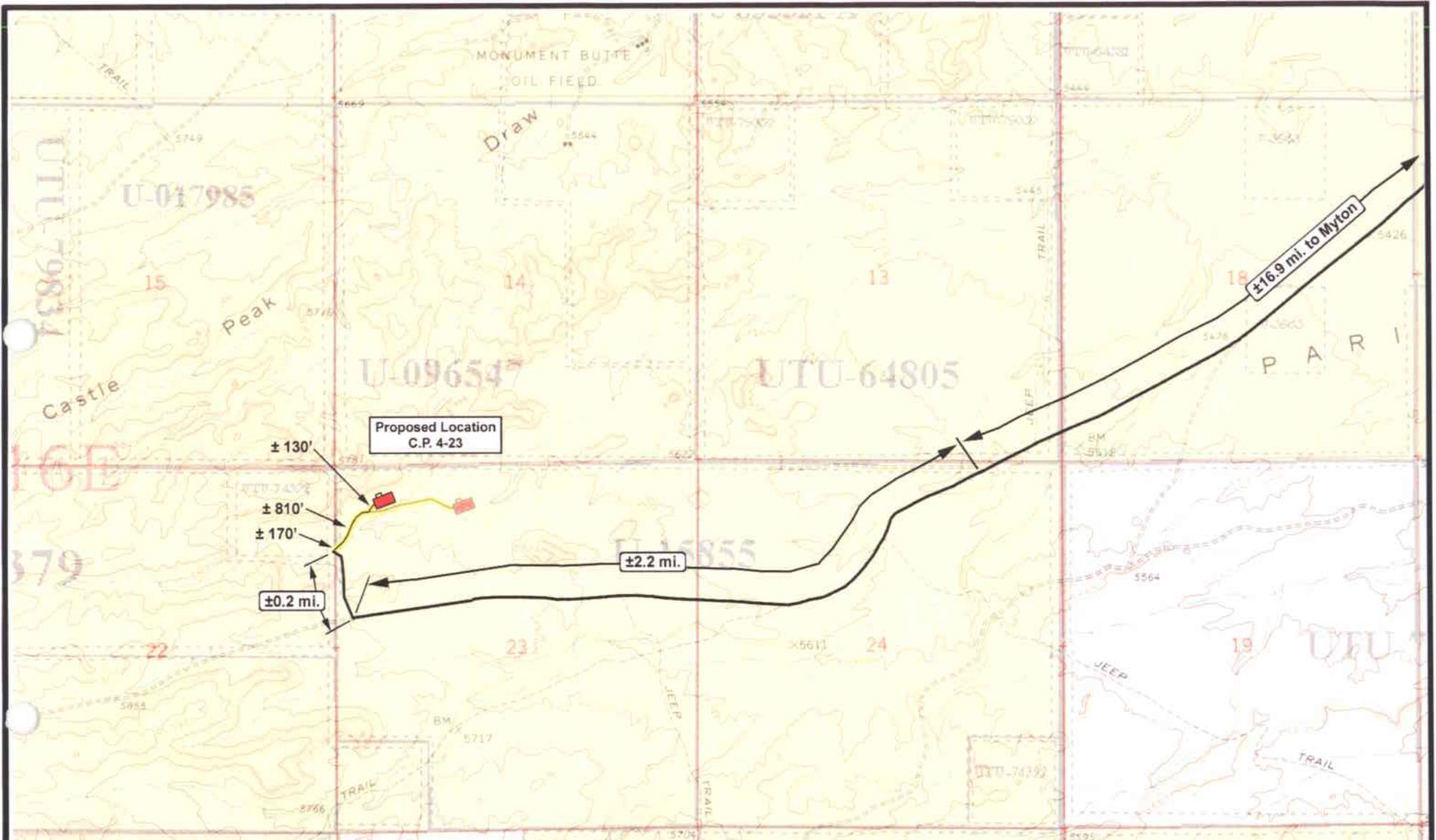
SCALE: 1 = 100,000
 DRAWN BY: mw
 DATE: 04-17-2006

Legend

 Existing Road
 Proposed Access

TOPOGRAPHIC MAP

"A"



Proposed Location
C.P. 4-23

± 130'
± 810'
± 170'
± 0.2 mi.

± 2.2 mi.

± 16.9 mi. to Myton

NEWFIELD
Exploration Company

Castle Peak 4-23-9-16
SEC. 23, T9S, R16E, S.L.B.&M.

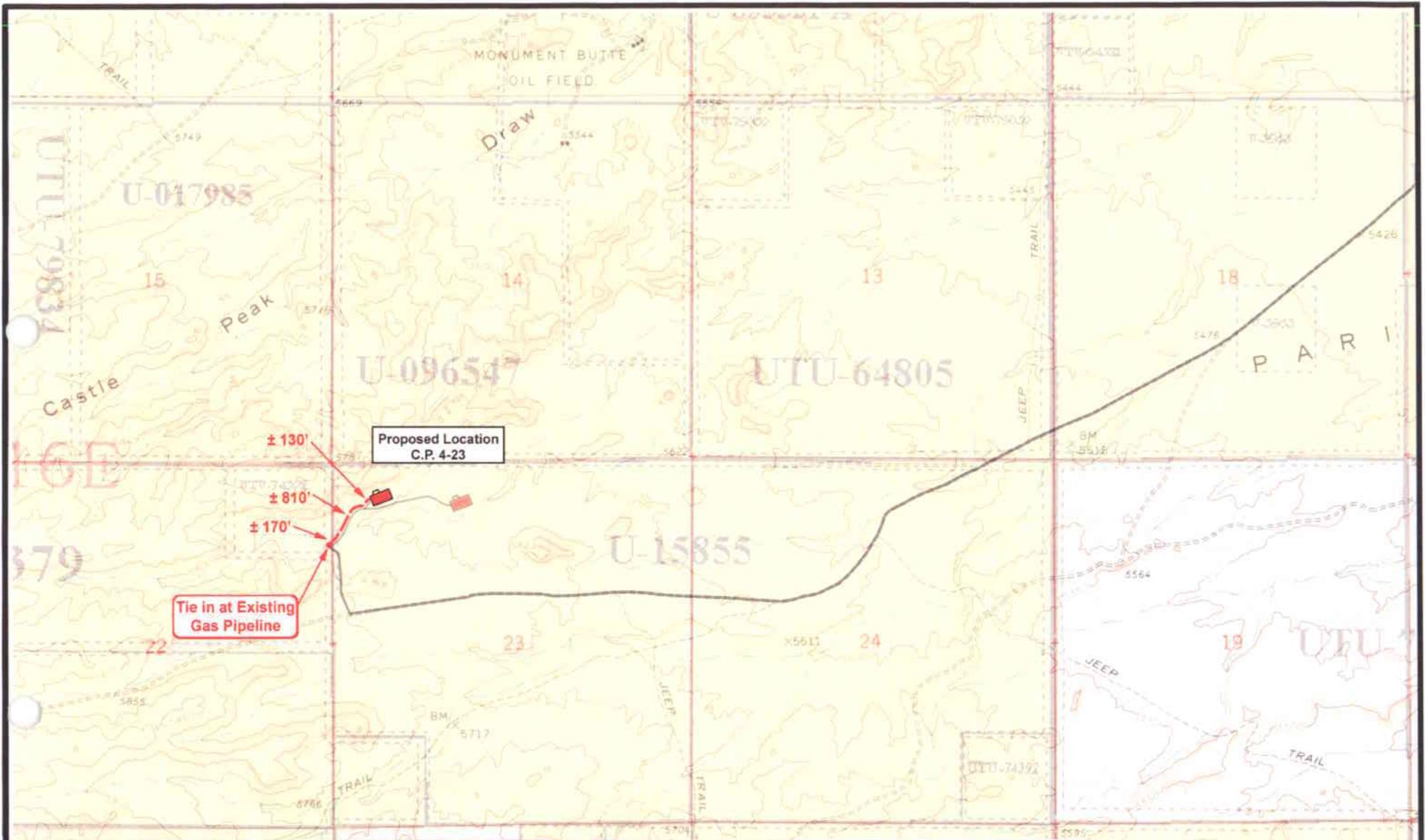
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 04-17-2006

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

Castle Peak 4-23-9-16
SEC. 23, 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'

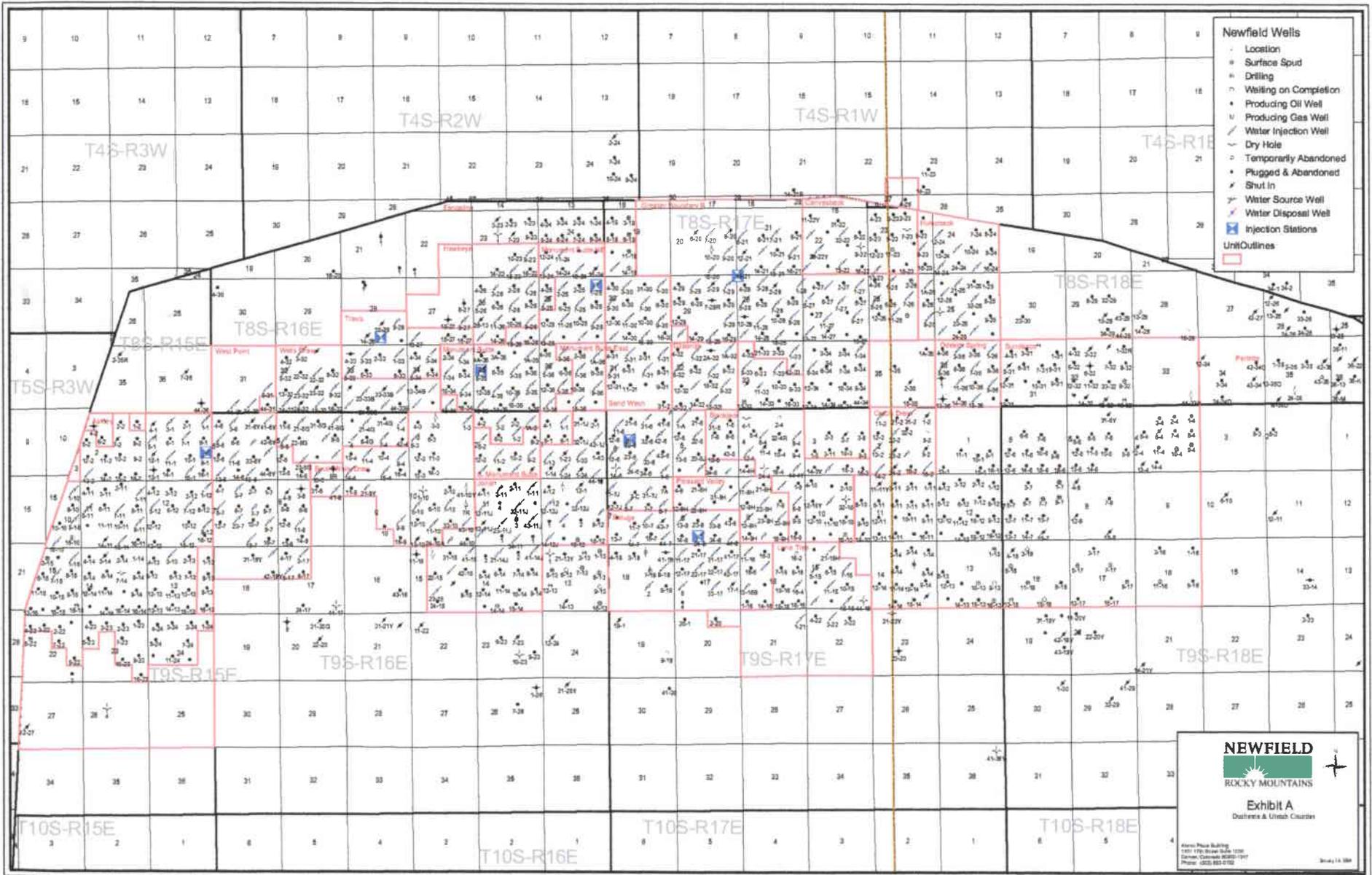
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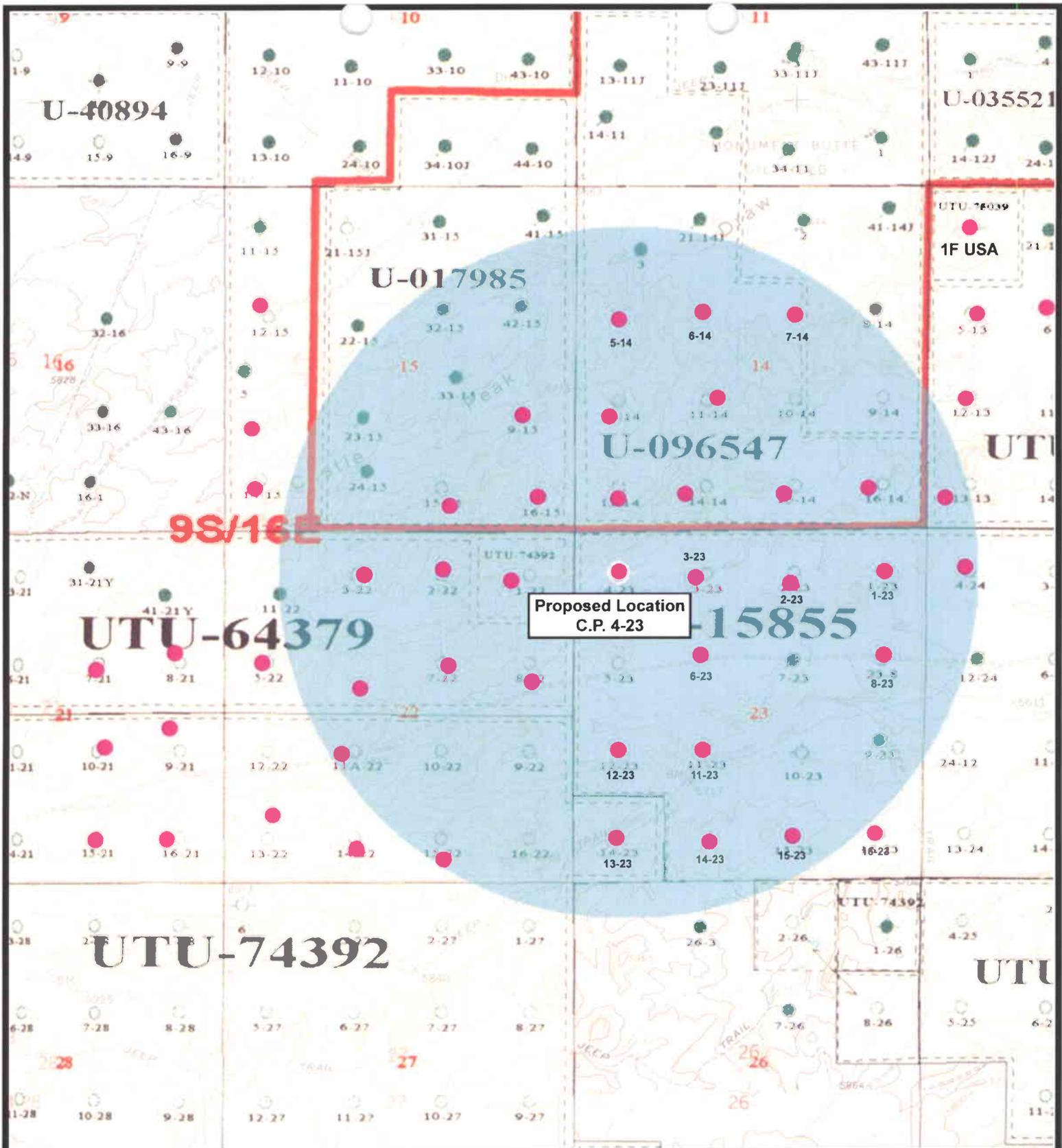
DATE: 04-17-2006

Legend

- Roads
- Proposed Gas Line

TOPOGRAPHIC MAP
"C"





 **NEWFIELD**
Exploration Company

Castle Peak 4-23-9-16
SEC. 23, 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: 04-17-2006

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

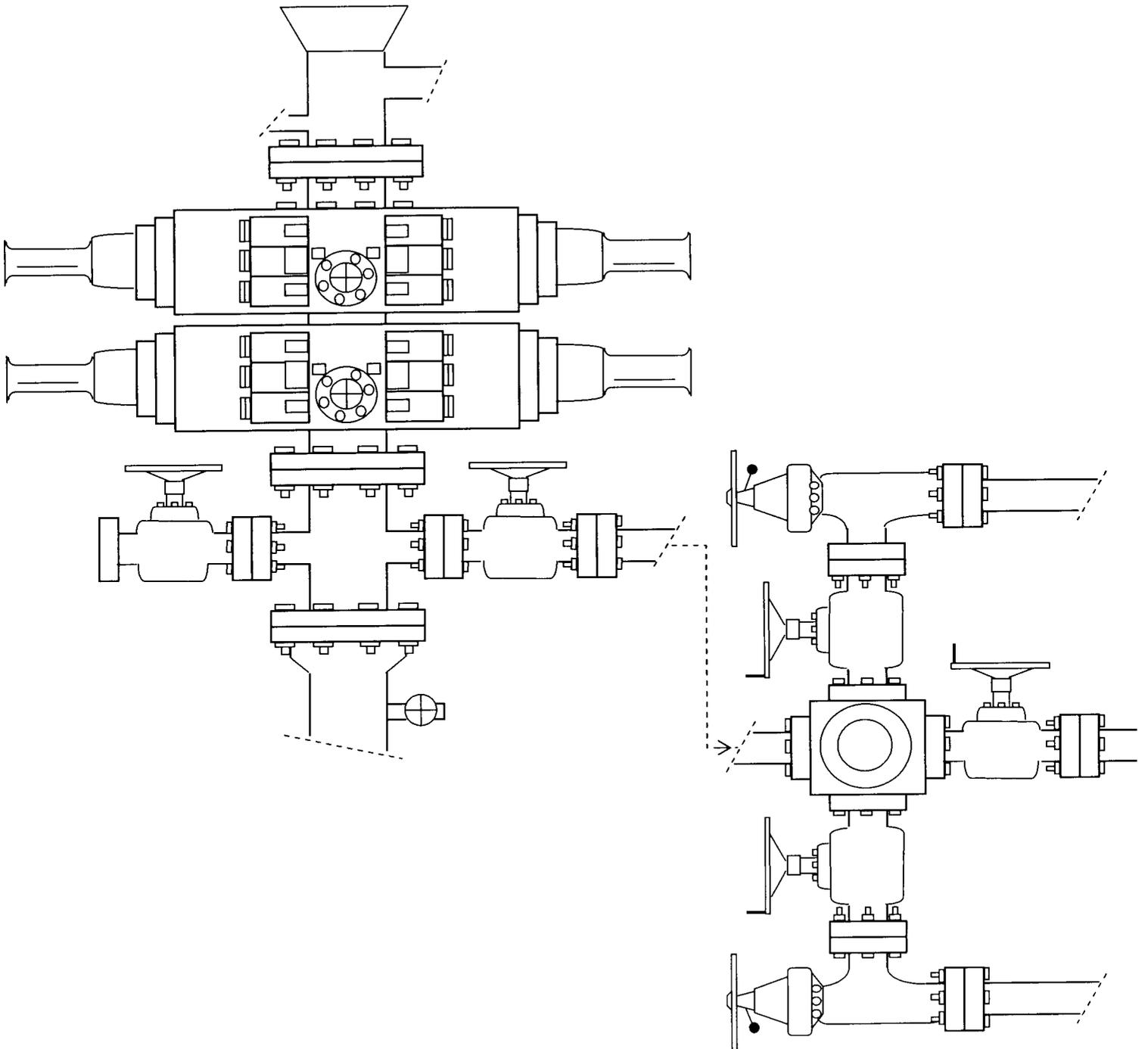


EXHIBIT C

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

By:

Andre' Jendresen
and
Keith Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 05-270

September 7, 2005

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

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

252

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

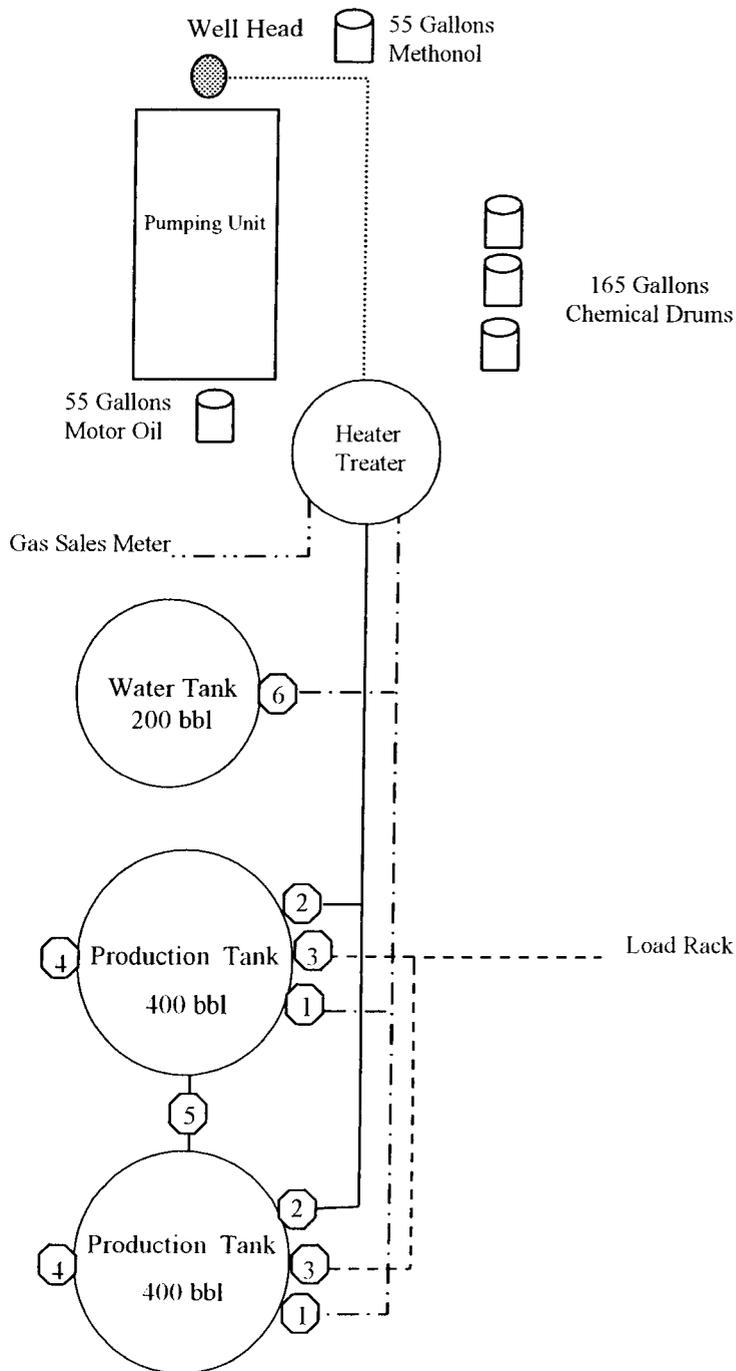
Newfield Production Company Proposed Site Facility Diagram

Federal 4-23-9-16

NW/NW Sec. 23 T9S, 16E

Duchesne County, Utah

UTU-15855



Legend

Emulsion Line
Load Rack	- - - - -
Water Line	- . - . - .
Gas Sales	- . - . - .
Oil Line	—————

Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

Diked Section



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/19/2006

API NO. ASSIGNED: 43-013-33177

WELL NAME: FEDERAL 4-23-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWNW 23 090S 160E
 SURFACE: 0499 FNL 0685 FWL
 BOTTOM: 0499 FNL 0685 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.02219 LONGITUDE: -110.0929
 UTM SURF EASTINGS: 577404 NORTHINGS: 4430404
 FIELD NAME: 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

RECEIVED AND/OR REVIEWED:

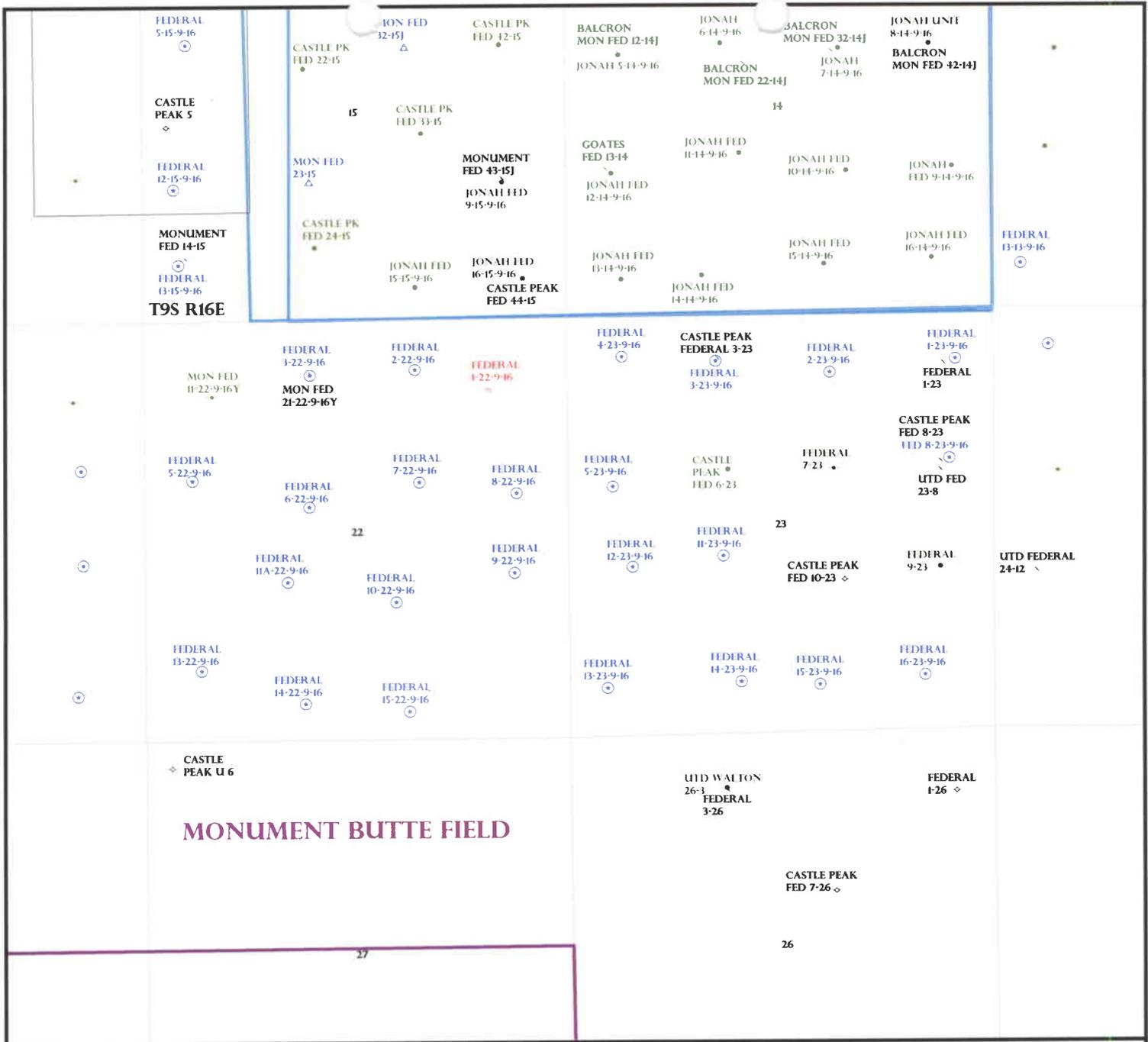
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval
2- Spacing Slip



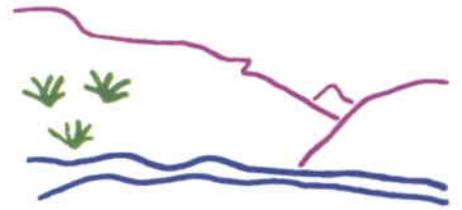
OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 22,23 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

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

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

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



PREPARED BY: DIANA WHITNEY
DATE: 24-MAY-2006



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 25, 2006

Newfield Production Company
Route 3 Box 3630
Myton, UT 84052

Re: Federal 4-23-9-16 Well, 499' FNL, 685' FWL, NW NW, Sec. 23, 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 43-013-33177.

Sincerely,

Gil Hunt
Associate Director

mf
Enclosures

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

Operator: Newfield Production Company
Well Name & Number Federal 4-23-9-16
API Number: 43-013-33177
Lease: UTU-15855

Location: NW NW **Sec.** 23 **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

MAY 19 2006

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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		8. Lease Name and Well No. Federal 4-23-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-33177
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/NW 499' FNL 685' FWL At proposed prod. zone		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 19.5 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area NW/NW Sec. 23, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 499' f/lse, NA' f/unit	16. No. of Acres in lease 1200.00	12. County or Parish Duchesne
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. 1251'	13. State UT
19. Proposed Depth 5953'	20. BLM/BIA Bond No. on file UTB000192	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5716' GL	22. Approximate date work will start* 3rd 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 5/18/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kewerka	Date 2-12-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

CONDITIONS OF APPROVAL ATTACHED

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

RECEIVED

FEB 21 2007

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

No NOS

072RM4749D



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 23, T9S, R16E
Well No: Federal 4-23-9-16 **Lease No:** UTU-15855
API No: 43-013-33177 **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
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 Chuck Macdonald) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Chuck Macdonald) - Prior to moving on the drilling rig.
- Spud Notice (Notify Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify Petroleum Engineer) - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

LEASE STIPULATIONS AND NOTICES

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

CONDITIONS OF APPROVAL

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

- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

- The interim seed mix for this location shall be:

Crested Wheatgrass (*Agropyron cristatum*) 12lbs/acre

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

DOWNHOLE CONDITIONS OF APPROVAL

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

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. None.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

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

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

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

Cement baskets shall not be run on surface casing.

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

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

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

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

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

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

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

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

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

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

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location (1/4¹/₄, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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 4-23-9-16

9. API Well No.
43-013-33177

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)

499 FNL 685 FWL NW/NW Section 23, T9S R16E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

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

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 5/25/06 (expiration 5/25/07).

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

Approved by the
Utah Division of
Oil, Gas and Mining

5-3-07
RM

RECEIVED

MAY 01 2007

DIV. OF OIL, GAS & MINING

Date: 05-01-07
By: [Signature]

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

Signed Mandie Crozier Title Regulatory Specialist Date 4/30/2007
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: 43-013-33177
Well Name: Federal 4-23-9-16
Location: NW/NW Section 23,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 5/25/2006

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

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

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

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

4/30/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 4-23-9-16

Api No: 43-013-33177 Lease Type: FEDERAL

Section 23 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

SPUDDED:

Date 01/09/08

Time 4:30 PM

How DRY

Drilling will Commence: _____

Reported by JIM

Telephone # (435) 823-3072

Date 01/10/08 Signed CHD

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
					QU	SC	TP	RG	COUNTY		
A	99999	16608	4301333176	Federal 3-23-9-16	NENW	23	9S	16E	DUCHESNE	1/8/2008	1/17/08
WELL 1 COMMENTS: <i>GRRV</i>											
A	99999	12417	43013 ³³⁸⁶⁹	Lonstree Federal 9A-22-9-17	NESE	22	9S	17E	DUCHESNE	1/10/2008	1/17/08
WELL 2 COMMENTS: <i>GRRV</i>											
A	99999	16609	4301333177	Federal 4-23-9-16	NWNW	23	9S	16E	DUCHESNE	1/9/2008	1/17/08
WELL 3 COMMENTS: <i>GRRV</i>											
A	99999	12417	4301333313	Lonstree Federal 16-22-9-17	SESE	22	9S	17E	DUCHESNE	1/14/2008	1/17/08
WELL 4 COMMENTS: <i>GRRV</i>											
A											
WELL 5 COMMENTS:											
A											
WELL 6 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or well well)
- C - been one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comment section)

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

Tammi Lee
Signature

Tammi Lee

RECEIVED

JAN 16 2008

Production Clerk

01/16/08

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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)
 499 FNL 685 FWL
 NWNW Section 23 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 4-23-9-16

9. API Well No.
 4301333177

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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other _____ Weekly Status Report

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

The above mentioned well went on production ¹⁰3/17/08. See attached daily activity report.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Tammi Lee	Title Production Clerk
Signature 	Date 03/20/2008

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)

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MAR 21 2008

Daily Activity Report

Format For Sundry

FEDERAL 4-23-9-16**1/1/2008 To 5/30/2008****2/28/2008 Day: 1****Completion**

Rigless on 2/27/2008 - 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 @ 5609' & cement top @ 134'. Perforate stage #1, CP4 sds @ 5547-62' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 4 spf for total of 60 shots. 136 BWTR. SWIFN.

3/1/2008 Day: 2**Completion**

Rigless on 2/29/2008 - Stage #1, CP4 sands. RU BJ Services. 0 psi on well. Frac CP4 sds w/ 40,523#'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Broke @ 3029 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1786 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1970 psi. Leave pressure on well. 570 BWTR Stage #2, CP2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 11' perf gun. Set plug @ 5510'. Perforate CP2 sds @ 5429-40' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. BJ's pump truck broke down (Wait a total of 3 hr & 45 mins to get replacement pump out of town) RU BJ Services. 1330 psi on well. Frac CP2 sds w/ 20,386#'s of 20/40 sand in 333 bbls of Lightning 17 fluid. Broke @ 3860 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1963 psi @ ave rate of 25 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1840 psi. Leave pressure on well. 903 BWTR Stage #3, A1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 32' perf gun. Set plug @ 5070'. Perforate A1 sds @ 4940-72' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 128 shots (2 runs). RU BJ Services. 1580 psi on well. Frac A1 sds w/ 120,556#'s of 20/40 sand in 869 bbls of Lightning 17 fluid. Broke @ 3475 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1845 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2105 psi. Leave pressure on well. 1772 BWTR Stage #4, B2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 9' perf gun. Set plug @ 4900'. Perforate B2 sds @ 4788-97' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. RU BJ Services. 1820 psi on well. Frac B2 sds w/ 50,665#'s of 20/40 sand in 450 bbls of Lightning 17 fluid. Broke @ 3956 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1990 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1945 psi. Leave pressure on well. 2222 BWTR Stage #5, D1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4506-12' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1570 psi on well. Frac D1 sds w/ 15,200#'s of 20/40 sand in 259 bbls of Lightning 17 fluid. Broke @ 3412 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1942 psi @ ave rate of 24.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1825 psi. Leave pressure on well. 2481 BWTR Stage #6, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 4120'. Perforate GB6 sds @ 4014-22' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1470 psi on well. Frac GB6 sds w/ 40,122#'s of 20/40 sand in 384 bbls of Lightning 17 fluid. Broke @ 3288 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2036 psi @ ave rate of 24.3 BPM. ISIP 1880 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 4 hrs & died. Rec. 240 BTF. SIWFN w/ 2625 BWTR

3/5/2008 Day: 3**Completion**

Western #2 on 3/4/2008 - MIRU Western #2. 125 psi on well. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, bit sub & 124 jts of 2 7/8" J-55 tbg. EOT @ 3909'. RU Nabors power swivel & pump & lines. Wait on wtr for 2 1/2 hrs. SIWFN w/ 2610 BWTR.

3/6/2008 Day: 4

Completion

Western #2 on 3/5/2008 - 0 psi on well. Continue Talley, PU & RIH w/ 2 7/8" J-55 tbg. Tagged fill @ 4042'. RU Nabors power swivel. Drill out plugs & circulate sand as follows: Sand @ 4042', Plug @ 4120' (Drilled up in 7 mins), Blew O-ring on power swivel. Change out power swivel. Continue to drill out plugs. Sand @ 4522', Plug @ 4610' (Drilled up in 16 mins), Tagged sand @ 4795', Plug @ 4900' (Drilled out in 10 mins), Tagged sand @ 4993', Plug @ 5070' (Drilled out in 14 min). Circulate well clean w/ EOT @ 5073'. SIWFN w/ 2975 BWTR.

3/7/2008 Day: 5

Completion

Western #2 on 3/6/2008 - Well on vacuum. Continue PU & RIH w/ bit and 2 7/8" J-55 tbg f/ 5073'. Tagged fill @ 5431'. RU Nabors power swivel. Took 55 BW to gain circulation. C/O sd to plug @ 5510'. Drill out plug in 11 minutes. Con't swivelling jts in hole. Tagged fill @ 5552'. C/O to 5654'. Hard, torquy drilling W/ no hole gained. Lack 53' f/ est FC depth of 5707'. Circ hole clean. Lost add'l 125 BW during cleanout. LD 2 jts of tbg to place EOT @ 5571'. RU swab equipment. IFL @ sfc. Made 14 runs. Rec 128 BTF. FFL @ 2600'. Trace of oil, No sand & light gas. RD swab. SIWFN w/ est 3027 BWTR. **Using HO trk for additional pump rate due to poor circulation**

3/8/2008 Day: 6

Completion

Western #2 on 3/7/2008 - Bleed gas off well. TIH W/ bit & tbg f/ 5571'. Tag sd @ 5649' (5' new fill). Tee HO trk into pumpline. C/O sd to 5654'. Circ hole clean. Lost est 40 BW. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 1 jt tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 175 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Work at setting TA W/ various techniques--no success. NU BOP. TOH W/ tbg. Found TA locked up. MU new TA & TIH W/ production tbg. ND BOP. Set TA @ 5519' W/ SN @ 5553' & EOT @ 5586'. Land tbg W/ 16,000# tension. NU wellhead. RU & flush tbg W/ 60 BW (returned 40 bbls). PU & TIH W/ pump and "A" grade rod string to 1650'. PU polished rod & SIFN. Est 3087 BWTR.

3/11/2008 Day: 7

Completion

Western #2 on 3/10/2008 - Bleed gas off well. LD polished rod. Con't PU & TIH W/ pump and "A" grade rod string f/ 1650' (complete as follows): new CDI 2 1/2" X 1 1/2" X 15.5' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 95-3/4" plain rods, 100-3/4" scraped rods, 1-6', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 5 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RD MOSU. Est 3092 BWTR. Place well on production @ 10:30 AM 3/10/2008 W/ 86" SL @ 4 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-15855

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

7. UNIT AGREEMENT NAME

Federal

1b. TYPE OF WELL

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

8. FARM OR LEASE NAME, WELL NO.

Federal 4-23-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-33177

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

At Surface 499' FNL & 685' FWL (NW/NW) Sec. 23, T9S, R16E
At top prod. Interval reported below

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

Sec. 23, T9S, R16E

At total depth

14. API NO. 43-013-33177 DATE ISSUED 05/25/06

12. COUNTY OR PARISH
Duchesne

13. STATE
UT

15. DATE SPUDDED
01/09/08

16. DATE T.D. REACHED
02/07/08

17. DATE COMPL. (Ready to prod.)
03/10/08

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5716' GL

5728' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
5739'

21. PLUG BACK T.D., MD & TVD
5654'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
----->

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4014'-5562'

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED
No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5728'	7-7/8"	300 sx Premilite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5586'	TA @ 5519'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4) 5547'-5562'	.49"	4/60	5547'-5562'	Frac w/ 40,523# 20/40 sand in 434 bbls fluid
(CP2) 5429'-5440'	.49"	4/44	5429'-5440'	Frac w/ 20,386# 20/40 sand in 333 bbls fluid
(A1) 4940'-4972'	.49"	4/128	4940'-4972'	Frac w/ 120,556# 20/40 sand in 869 bbls fluid
(B2) 4788'-4797'	.49"	4/36	4788'-4797'	Frac w/ 50,665# 20/40 sand in 450 bbls fluid
(D1) 4506'-4512'	.49"	4/24	4506'-4512'	Frac w/ 15,200# 20/40 sand in 259 bbls fluid
(GB6) 4014'-4022'	.49"	4/32	4014'-4022'	Frac w/ 40,122# 20/40 sand in 384 bbls fluid

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

33.* PRODUCTION

DATE FIRST PRODUCTION 03/12/08	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 12' x 15.5' RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKER SIZE	PROD. FOR TEST PERIOD ----->	OIL--BBL. 65	GAS--MCF. 38	WATER--BBL. 49	GAS-OIL RATIO 585
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Production Technician DATE 4/16/2008

Jenri Park

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APR 22 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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	TRUE VERT. DEPTH	
			<p style="text-align: center;">Well Name Federal 4-23-9-16</p>	MEAS. DEPTH	TOP	
				Garden Gulch Mkr	3484'	
				Garden Gulch 1	3692'	
				Garden Gulch 2	3801'	
				Point 3 Mkr	4068'	
				X Mkr	4314'	
				Y-Mkr	4346'	
				Douglas Creek Mkr	4466'	
				BiCarbonate Mkr	4698'	
				B Limestone Mkr	4806'	
				Castle Peak	5332'	
			Basal Carbonate			
			Total Depth (LOGGERS)	5725'		

NEWFIELD



Well Name: Federal 4-23-9-16
 LOCATION: S23, T9S, R16E
 COUNTY/STATE: Duchesne
 API: 43-013-33177

Spud Date: 1-9-08
 TD: 5739'
 CSG: 2-8-08
 POP: 3-10-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
3/10/2008				3087				POP @ 10:30 A.M. w/ 86" SL @ 4 SPM. 3087 Total water to recover.
3/11/2008	16	0	118	2969	0	0	4 1/2	
3/12/2008	24		150	2819	0	0	4 1/2	150 Total production, treater bypassed
3/13/2008	24	38	45	2774	0	67	4 1/2	
3/14/2008	24	0	13	2761	14	70	4 1/2	
3/15/2008	24	8	7	2754	14	73	4	
3/16/2008	24	13	5	2749	11	68	4	
3/17/2008	24	8	7	2742	16	57	4	
3/18/2008	24	10	8	2734	13	63	4	
3/19/2008	24	66	43	2691	37	65	4	
3/20/2008	12	6	0	2691	0	45	4 1/4	Down - Surface equipment failure.
3/21/2008	24	81	55	2636	25	55	6	
3/22/2008	24	61	56	2580	25	45	6	
3/23/2008	24	68	56	2524	26	60	6	
3/24/2008	24	63	45	2479	53	60	6	
3/25/2008	24	65	41	2438	59	70	6	
3/26/2008	24	17	107	2331	37	65	6	Drained 60 bbls from T2 to T3
3/27/2008	24	78	35	2296	38	65	6	
3/28/2008	24	91	37	2259	31	80	6	
3/29/2008	24	53	30	2229	27	67	6	
3/30/2008	24	73	23	2206	54	65	6	
3/31/2008	24	74	25	2181	41	80	6	
4/1/2008	24	77	20	2161	42	80	6	
4/2/2008	24	82	20	2141	41	65	6	
4/3/2008	24	76	50	2091	78	65	6	
4/4/2008	24	85	20	2071	74	65	6	
4/5/2008	12	47	12	2059	13	60	6	Down - Ajax
4/6/2008	1	3	5	2054	23	70	6	ajax repair
4/7/2008	16	38	23	2031	51	70	6	
4/8/2008	24	96	0	2031	119	70	6	
4/9/2008	24	53	8	2023	52	68	5	
4/10/2008				2023				
		1430	1064		1014			

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
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-23-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013331770000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0499 FNL 0685 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 23 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

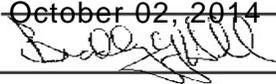
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/23/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 09/19/2014. On 09/22/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/23/2014 the casing was pressured up to 1454 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not a State representative available to witness the test.

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

Date: October 02, 2014
By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/25/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date 9/23/14 Time 11:30 am pm
Test Conducted by: Jonny Daniels
Others Present: _____

Well: Federal 4-23-9-10 Field: AMBH
Well Location: NW/NW Sec. 23, T9S, R10E API No: 43-013-33177
Duchesne County

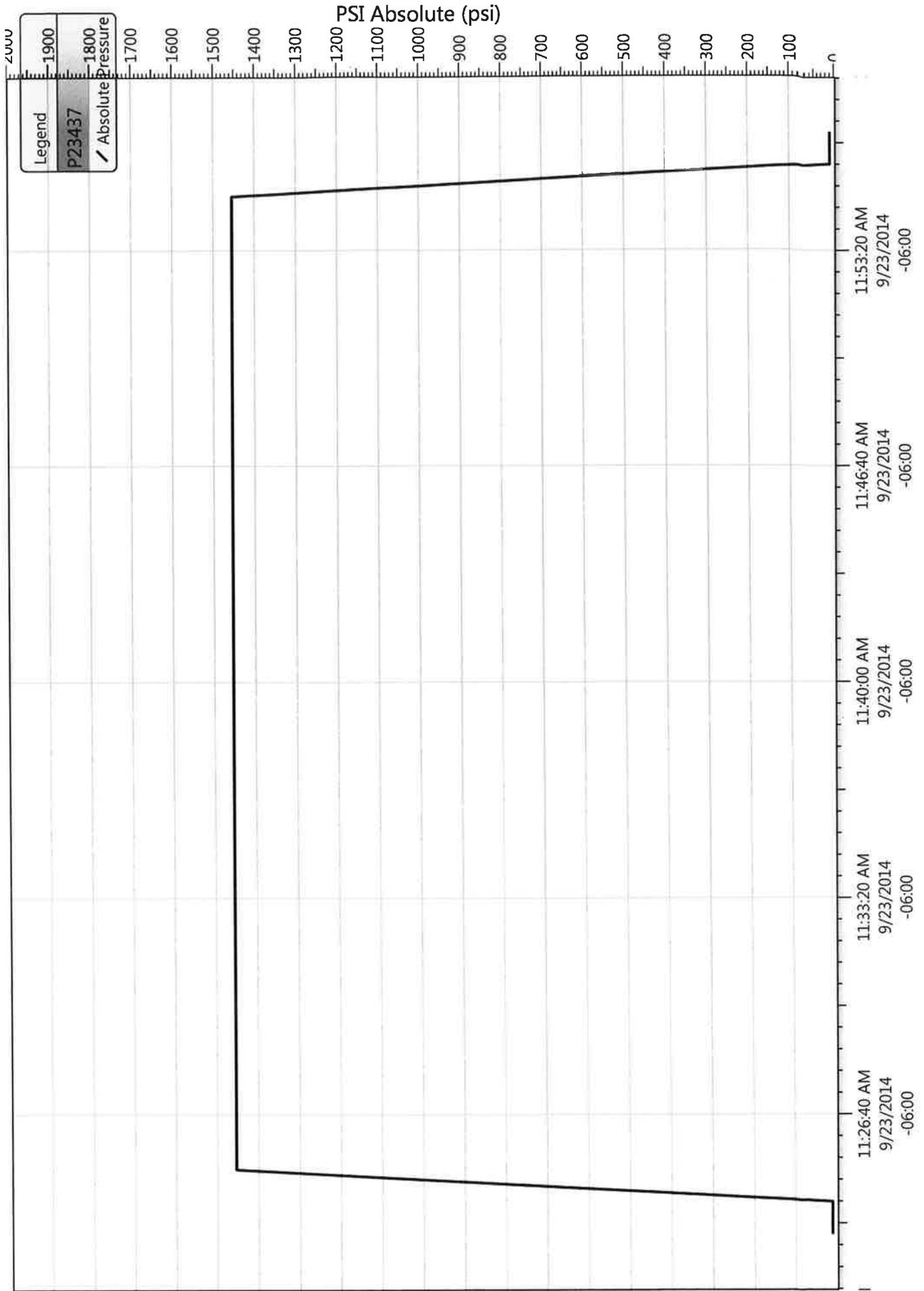
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1454</u>	psig
5	<u>1454</u>	psig
10	<u>1454</u>	psig
15	<u>1454</u>	psig
20	<u>1454</u>	psig
25	<u>1454</u>	psig
30 min	<u>1454</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 50 psig

Result: Pass Fail

Signature of Witness: _____
Signature of Person Conducting Test: Jonny Daniels

Federal 4-23-9-16
9/23/2014 11:22:55 AM





Well Name: Federal 4-23-9-16

Job Detail Summary Report

Primary Job Type Conversion	Job Start Date 9/15/2014	Job End Date 9/23/2014
--------------------------------	-----------------------------	---------------------------

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary	Start Time	End Time	Comment
9/15/2014	9/15/2014	MIRU	05:30	07:00	Travel time
			07:00	09:15	PREP RIG FOR ROAD TRAVEL, ROAD RIG TO THE 4-23-9-16, SPOT RIG.
			09:15	10:15	RU RIG, PUMP 50 BBLS WATER DOWN CSG
			10:15	10:45	UNHANG RODS AND HORSES HEAD.
			10:45	11:45	UNSEAT PUMP AND PULL HIGH, FLUSH TBG WITH 50 BBLS WATER @ 250F
			11:45	12:30	SOFT SEAT AND LOAD TBG WITH 25 BBLS WATER, PT TBG TO 3000 PSI, GOOD TEST
			12:30	16:00	POOH WITH RODS LAYING DOWN ON ROD TRAILER, HAD TO FLUSH RODS 2 TIMES ON WAY OUT
			16:00	17:15	RD FLOW LINE, ND WH HAD TO FIGHT TO RELEASE TAC, FINALLY RELEASED TAC, FUNCTION TEST BOP BEFORE INSTALLING BOP, NU BOP, RU WORK FLOOR.
			17:15	18:30	POOH WITH TBG BREAKING EVERY CONNECTION, CLEANING THREADS AND INSPECTING FOR DAMAGE OR GALLING, APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT. POOH WITH 22 JNTS TBG. SWIFN, CLEAN LOCATION, SDFN.
			18:30	20:00	Travel time
9/16/2014	9/16/2014	will finish pooh with tbg breaking and doping collars, tin with packer and pt tbg tomorrow.			
			05:30	07:00	Travel time
			07:00	11:15	CHECK TBG AND CSG PRESSURES, TBG AND CSG 0 PSI, OPEN BOP. FINISH POOH WITH TBG BREAKING EVERY CONNECTION, CHECKING FOR DAMAGE OR GALLING, APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT. LD EXCESS TBG FROM BOTTOM OF STRING ON TRAILER
			11:15	12:30	PUMU PACKER ASSY, TIH WITH PACKER ASSY AND 126 JNTS TBG
			12:30	13:00	PUMP 10 BBLS PAD AND DROP S.V. PUMP TO PSN AND PT TBG TO 3000 PSI AND START TIMER



Well Name: Federal 4-23-9-16

Job Detail Summary Report

Start Time	13:00	End Time	17:30	Comment
Start Time	17:30	End Time	19:00	Comment
Report Start Date	9/17/2014	Report End Date	9/17/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	Comment
Start Time	07:00	End Time	12:00	Comment
Start Time	12:00	End Time	12:30	Comment
Start Time	12:30	End Time	13:15	Comment
Start Time	13:15	End Time	13:45	Comment
Start Time	13:45	End Time	17:00	Comment
Start Time	17:00	End Time	18:30	Comment
Report Start Date	9/18/2014	Report End Date	9/18/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	Comment
Start Time	07:00	End Time	08:30	Comment
Start Time	08:30	End Time	12:30	Comment
Start Time	12:30	End Time	13:30	Comment
Start Time	13:30	End Time	14:00	Comment
Start Time	14:00	End Time	17:00	Comment



Well Name: Federal 4-23-9-16

Job Detail Summary Report

Start Time	End Time	Comment
17:00	18:30	Travel time
Report Start Date 9/19/2014	Report End Date 9/19/2014	24hr Activity Summary FINISH PT TBG AND ND BOP, ROLL PACKER FLUID AND SET PACKER AND PERFORM M.I.T.
Start Time 00:00	End Time 01:30	Comment Travel time
Start Time 01:30	End Time 03:30	Comment CHECK TBG PRESSURE, TBG 2840 PSI, LOST 360 PSI OVERNIGHT, BUMP UP AND RETEST, CHECK PRESSURE EVERY 5 MINUTES, FAILED TESTS, BUMP UP AND RETEST, FINALLY GOT A GOOD TBG TEST.
Start Time 03:30	End Time 04:00	Comment RD WORK FLOOR, ND BOP, LAND TBG AND RU HOT OILER TO CSG.
Start Time 04:00	End Time 04:45	Comment PUMP 50 BBLs PACKER FLUID DOWN CSG.
Start Time 04:45	End Time 05:00	Comment ND WH, SET PACKER AND PACK OFF, LAND TBG IN 15K TENSION, NU WH.
Start Time 05:00	End Time 09:00	Comment LOAD CSG WITH PACKER FLUID, PRESSURE UP TO 1400 PSI AND START TIMER, FAILED MULTIPLE TESTS, BUMP UP AND RETEST, FINALLY GOT A GOOD TEST, CALL MIT AND WAIT FOR MIT TESTER TO SHOW UP.
Start Time 09:00	End Time 09:45	Comment RU M.I.T. TESTER, PERFORM M.I.T. AND GOT A GOOD TEST
Start Time 09:45	End Time 10:30	Comment RD RIG, RACK OUT WINCH TRUCK AND TOOLS
Start Time 10:30	End Time 10:45	Comment ROAD RIG TO THE 15-18-9-17
Start Time 10:45	End Time 12:00	Comment SPOT RIG, BROKE DOWN, CLEAN LOCATION, SDFN
Start Time 12:00	End Time 13:30	Comment Travel time
Report Start Date 9/23/2014	Report End Date 9/23/2014	24hr Activity Summary Conduct MIT
Start Time 11:30	End Time 12:00	Comment On 09/22/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 09/23/2014 the casing was pressured up to 1454 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 50 psig during the test. There was not a State representative available to witness the test.

NEWFIELD

Schematic

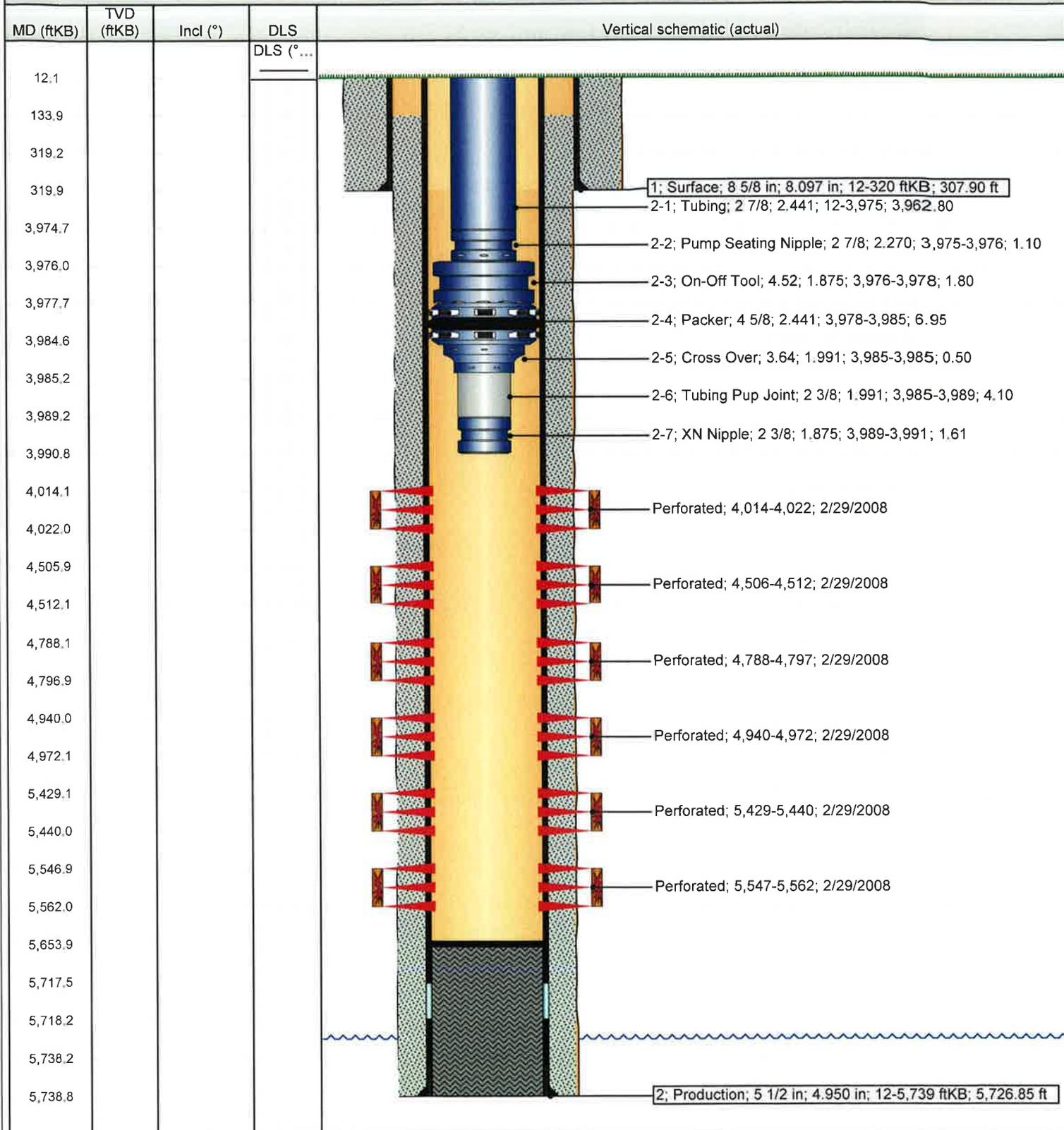
Well Name: Federal 4-23-9-16

Surface Legal Location 23-9S-16E		API/UWI 43013331770000	Well RC 500159249	Lease	State/Province Utah	Field Name GMBU CT B6	County DUCHESNE
Spud Date 1/9/2008	Rig Release Date 2/8/2008	On Production Date 3/7/2008	Original KB Elevation (ft) 5,728	Ground Elevation (ft) 5,716	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,654.0	

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: 5,739.0 Vertical - Original Hole, 9/24/2014 11:05:12 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 4-23-9-16**

Surface Legal Location 23-9S-16E		API/UWI 43013331770000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 1/9/2008		Spud Date 1/9/2008		Final Rig Release Date 2/8/2008	
Original KB Elevation (ft) 5,728		Ground Elevation (ft) 5,716		Total Depth (ftKB) 5,739.0	
				Total Depth All (TVD) (ftKB) Original Hole - 5,654.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	1/10/2008	8 5/8	8.097	24.00	J-55	320
Production	2/8/2008	5 1/2	4.950	15.50	J-55	5,739

Cement**String: Surface, 320ftKB 1/11/2008**

Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 320.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL2 + 1/4#/sk Cello-Flake mixed	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,739ftKB 2/8/2008

Cementing Company BJ Services Company	Top Depth (ftKB) 134.0	Bottom Depth (ftKB) 5,739.0	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) 134.0
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 Tubing		Run Date 9/17/2014		Set Depth (ftKB) 3,990.9				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	107	2 7/8	2.441	6.50	J-55	3,962.80	12.0	3,974.8
Pump Seating Nipple	1	2 7/8	2.270		J-55	1.10	3,974.8	3,975.9
On-Off Tool	1	4.515	1.875			1.80	3,975.9	3,977.7
Packer	1	4 5/8	2.441			6.95	3,977.7	3,984.7
Cross Over	1	3.635	1.991			0.50	3,984.7	3,985.2
Tubing Pup Joint	1	2 3/8	1.991		J-55	4.10	3,985.2	3,989.3
XN Nipple	1	2 3/8	1.875		J-55	1.61	3,989.3	3,990.9

Rod Strings

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

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
6	GB6, Original Hole	4,014	4,022	4			2/29/2008
5	D1, Original Hole	4,506	4,512	4			2/29/2008
4	B2, Original Hole	4,788	4,797	4			2/29/2008
3	A1, Original Hole	4,940	4,972	4			2/29/2008
2	CP2, Original Hole	5,429	5,440	4			2/29/2008
1	CP4, Original Hole	5,547	5,562	4			2/29/2008

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	1,945	0.84	24.8	2,240			
4	1,945	0.84	24.8	2,240			
4	1,945	0.84	24.8	2,240			
4	1,945	0.84	24.8	2,240			
4	1,945	0.84	24.8	2,240			
4	1,945	0.84	24.8	2,240			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
4		Proppant White Sand 287452 lb
4		Proppant White Sand 287452 lb
4		Proppant White Sand 287452 lb
4		Proppant White Sand 287452 lb
4		Proppant White Sand 287452 lb
4		Proppant White Sand 287452 lb

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
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-23-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013331770000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0499 FNL 0685 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 23 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: 10/29/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The above reference well was put on injection at 10:00 AM on
10/29/2014.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 31, 2014**

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



GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

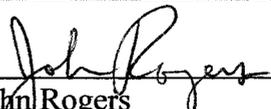
Cause No. UIC-421

Operator: Newfield Production Company
Well: Federal 4-23-9-16
Location: Section 23, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33177
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 16, 2014.
2. Maximum Allowable Injection Pressure: 1,796 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,800' – 5,654').
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

10/27/2014
Date

JR/MLR/js

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

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

June 16, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 4-23-9-16, Section 23, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33177

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 3,800 feet in the Federal 4-23-9-16 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,

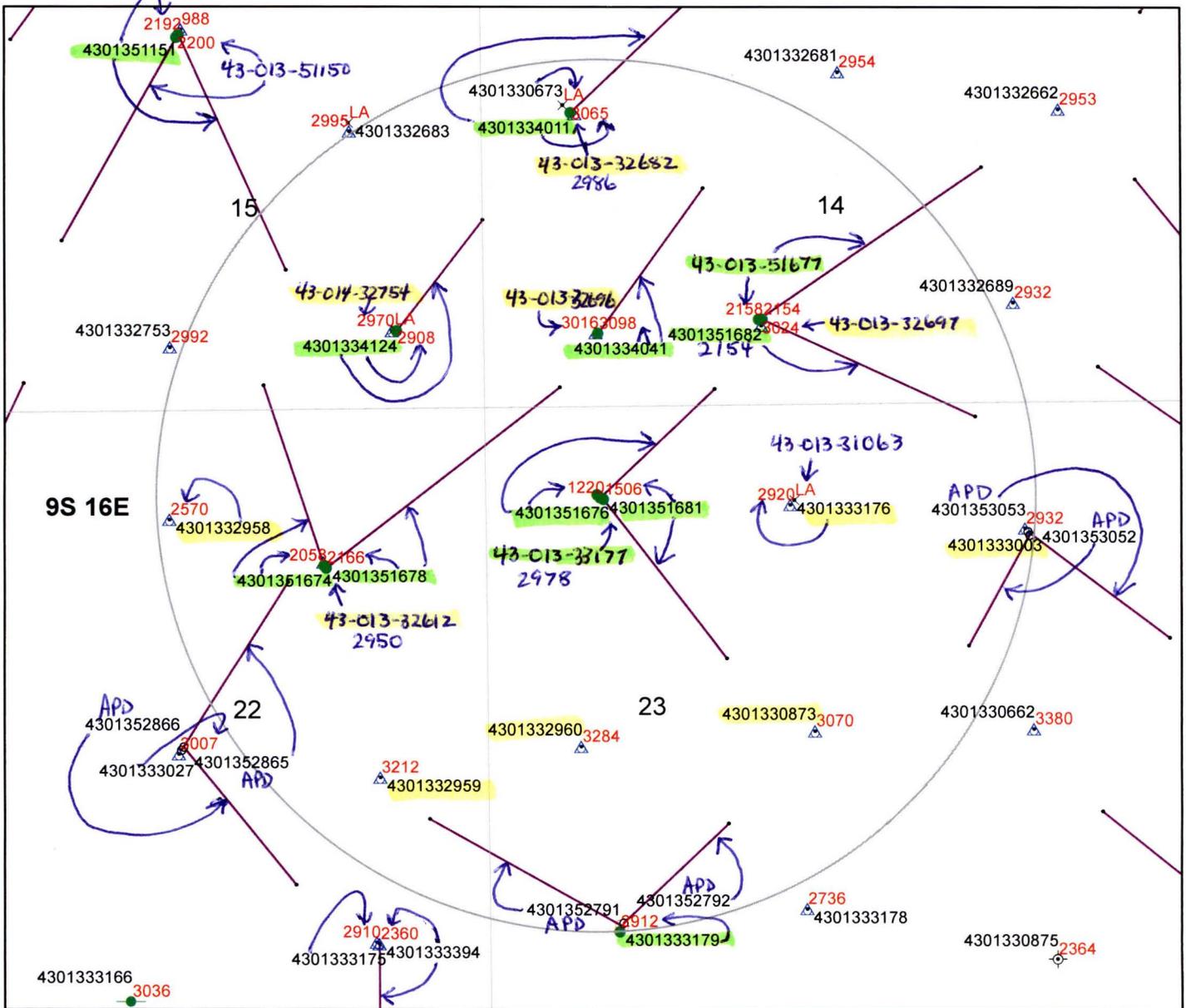
John Rogers
Associate Director

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 *in AOR*
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊗ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well *in AOR*
- WSW-Water Supply Well

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

**Cement Bond Tops
Federal 4-23-9-16
API #43-013-33177
UIC-421.6**

(updated 10/3/2014)



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

Applicant: Newfield Production Company **Well:** Federal 4-23-9-16

Location: 23/9S/16E **API:** 43-013-33177

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 324 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,728 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,978 feet or higher. A 2 7/8 inch tubing with a packer is proposed to be set at 3,964 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 (10/3/2014), based on surface locations, there are 11 producing wells and 11 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there is 1 directional producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there is 1 approved surface location outside the AOR for a directional well to be drilled to a bottom hole location inside the AOR and 1 approved surface location inside the AOR for a bottom hole location outside 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 2500 feet. Injection shall be limited to the interval between 3,800 feet and 5,654 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-23-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,796 psig. The requested maximum pressure is 1,796 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 4-23-9-16

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: 6/13/2014 (revised 10/3/2014)

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

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

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

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

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 22, 23, 26, AND 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSIE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:

- Ashley Federal 12-248-9-15 well located in NW/4 SW/4, Section 24, Township 9 South, Range 15 East
API 43-013-15782
- Federal 2-22-9-16 well located in NW/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32958
- Federal 6-22-9-16 well located in SE/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33026
- Federal 8-22-9-16 well located in SE/4 NE/4, Section 22, Township 9 South, Range 16 East
API 43-013-32959
- Federal 1-4-22-9-16 well located in SE/4 SW/4, Section 22, Township 9 South, Range 16 East
API 43-013-33147
- Federal 4-23-9-16 well located in NW/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33177
- Federal 2-28-9-16 well located in NW/4 NE/4, Section 28, Township 9 South, Range 16 East
API 43-013-33409
- Federal 4-28-9-16 well located in NW/4 NW/4, Section 28, Township 9 South, Range 16 East
API 43-013-33407
- Federal 2-29-9-16 well located in NW/4 NE/4, Section 29, Township 9 South, Range 16 East
API 43-013-33424

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

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

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

Dated this 6th day of May, 2014.

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

957536

UPAXLP

ON

AFFIDAVIT OF PUBLICATION

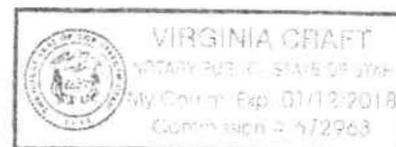
AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES CAUSE NO. UIC-421 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING,** W COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE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

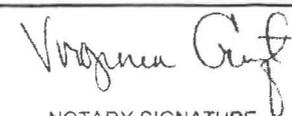
PUBLISHED ON Start 05/09/2014 End 05/09/2014

SIGNATURE 

DATE 5/13/2014

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




 NOTARY SIGNATURE

2014/05/13/05/09/2014

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 13 day of May, 2014, and that the last publication of such notice was in the issue of such newspaper dated the 13 day of May, 2014, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

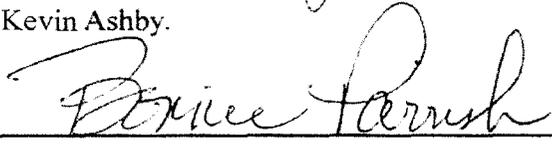


Publisher

Subscribed and sworn to before me on this

16 day of May, 2014

by Kevin Ashby.



Notary Public

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

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

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

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

Dated this 6th day of May, 2014.
STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING
Brad Hill
Permitting Man-
ager
Published in the
Uintah Basin Stan-
dard May 13, 2014.

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.

STATE IS CONSIDERING
an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal
12-24R-9-15 well located in NW/4 SW/4, Section 24, Township 9 South, Range 15 East

API 43-013-15782
Federal 2-22-9-16 well located in NW/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32958
Federal 6-22-9-16 well located in SE/4 NW/4, Section 22, Township 9 South, Range 16 East

API 43-013-33026
Federal 8-22-9-16 well located in SE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32959
Federal 14-22-9-16 well located in SE/4 SW/4, Section 22, Township 9 South, Range 16 East

API 43-013-33147
Federal 4-23-9-16 well located in NW/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33177
Federal 2-28-9-16 well located in NW/4 NE/4, Section 28, Township 9 South, Range 16 East

API 43-013-33409
Federal 4-28-9-16 well located in NW/4 NW/4, Section 28, Township 9 South, Range 16 East

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

API 43-013-33424

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

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

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

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API 43-013-33147

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API 43-013-33177

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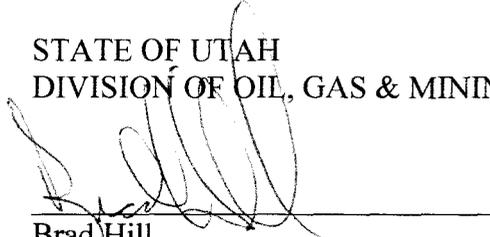
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Dated this 6th day of May, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read "Brad Hill", is written over a horizontal line.

Brad Hill
Permitting Manager

Newfield Production Company

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

Cause No. UIC-421

Publication Notices were sent to the following:

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

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

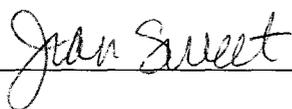
Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubslegals@ubmedia.biz

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

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

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

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





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 8, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

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

To whom it may concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet <jsweet@utah.gov>

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

1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz>

Fri, May 9, 2014 at 12:49 PM

To: Jean Sweet <jsweet@utah.gov>

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

To whom it may concern:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

—

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

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



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 8, 2014

VIA E-MAIL naclegal@mediaoneutah.com

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

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

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 #0000957536-01

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

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

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

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

Ad Content Proof Actual Size

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

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Dated this 6th day of May, 2014.

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

957536

UPAXIP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

April 23, 2014

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

RE: Permit Application for Water Injection Well
Federal #4-23-9-16
Monument Butte Field, Lease #UTU-15855
Section 23-Township 9S-Range 16E
Duchesne County, Utah

RECEIVED

APR 25 2014

DIV. OF OIL, GAS & MINING

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #4-23-9-16 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 #4-23-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-15855
APRIL 23, 2014

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ATTACHMENT E-13	WELLBORE DIAGRAM – JONAH FEDERAL #12-14-9-16
ATTACHMENT E-14	WELLBORE DIAGRAM – JONAH #P-14-9-16
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Should be N-14-9-16

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Federal 4-23-9-16

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

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.55')
 DEPTH LANDED: 324.40'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

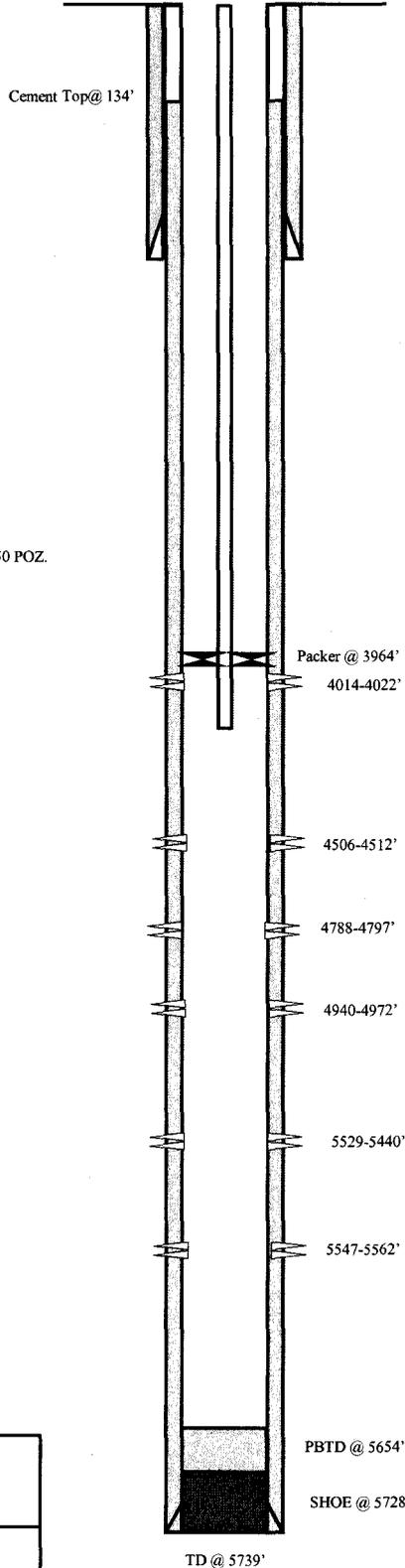
PRODUCTION CASING

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

TUBING

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

Proposed Injection Wellbore Diagram



FRAC JOB

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

PERFORATION RECORD

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

NEWFIELD



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

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 #4-23-9-16 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 #4-23-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3800' - 5654'). 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 3482' and the TD is at 5739'.

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

The referenced log for the Federal #4-23-9-16 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 324' KB, and 5-1/2", 15.5# casing run from surface to 5728' 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 1796 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 #4-23-9-16, for existing perforations (4014' - 5562') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1796 psig. We may add additional perforations between 3482' and 5739'. 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 #4-23-9-16, the proposed injection zone (3800' - 5654') is in the Garden Gulch to the Castle Peak 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-22.

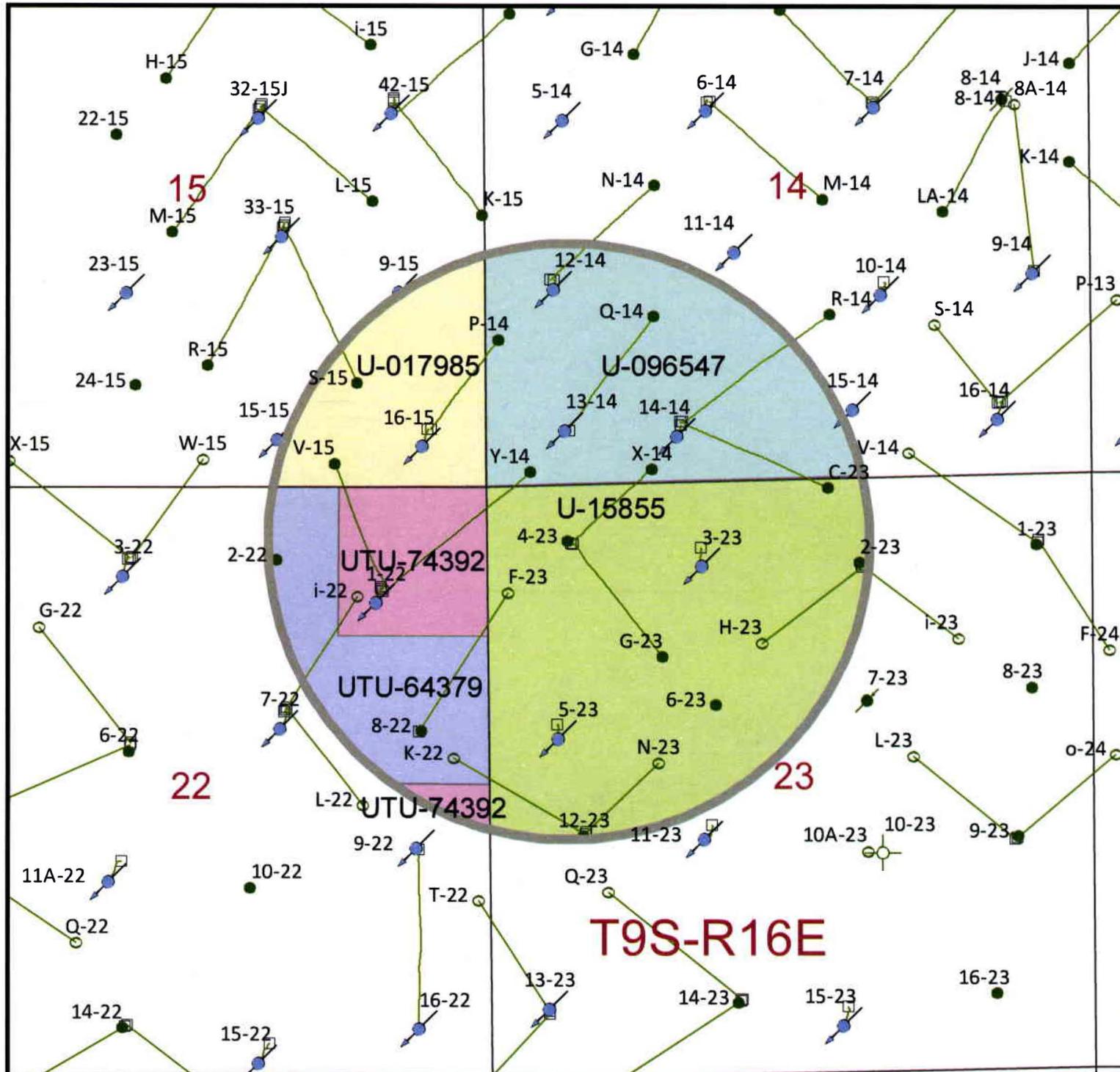
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

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

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



Lease Number

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

Well Status

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

Federal 4-23-9-16
Section 23, T9S-R16E



NEWFIELD
ROCKY MOUNTAINS^{1 in = 1,250 feet}

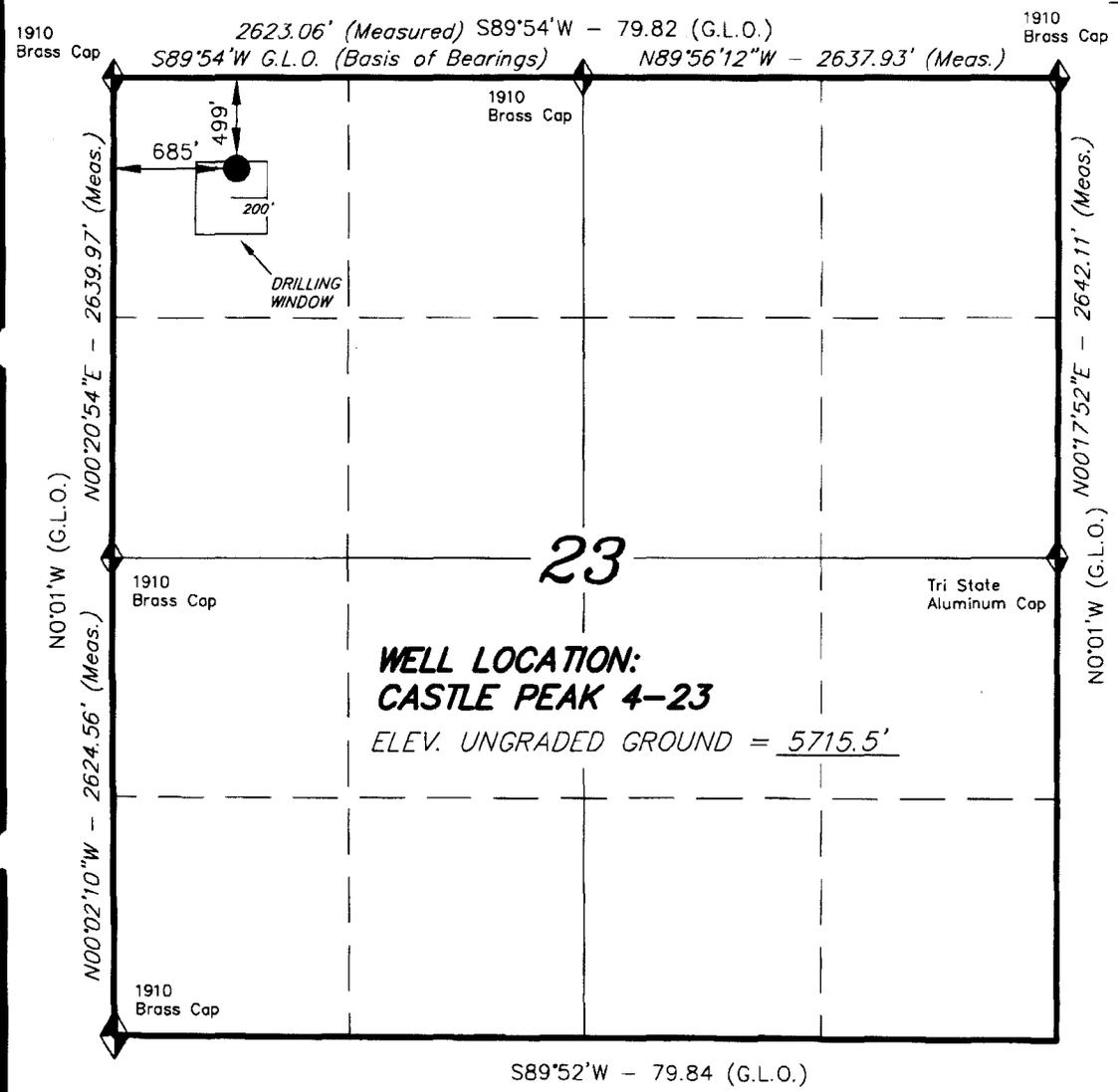
1/2 Mile Radius Map
Duchesne County

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

March 13, 2014

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

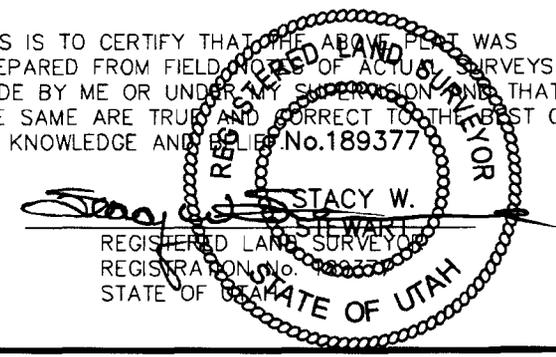
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, CASTLE PEAK 4-23,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 1/4 OF SECTION 23, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

CASTLE PEAK 4-23
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 19.92"
 LONGITUDE = 110° 05' 36.82"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 04-07-06	SURVEYED BY: C.M.
DATE DRAWN: 04-12-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 10: S2SE Section 15: E2,E2W2	USA UTU-017985 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corporation ABO Petroleum Corp Myco Industries Inc Oxy Y-1 Company	USA
3	T9S-16E SLM Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	USA UTU-15855 HBP	Newfield Production Company Newfield RMI LLC Bee Hive Oil LLC Journey Properties LLC King Oil & Gas of Texas LTD Six Gold Oil LLC Stone Energy Corp	USA
4	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

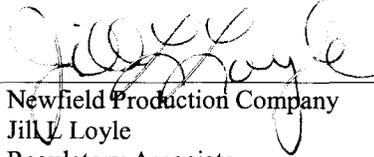
5	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 21: S2	UTU-74392	Newfield RMI LLC	
	Section 22: NENE, S2	HBP	ABO Petroleum Corp	
	Section 23: SWSW		MYCO Industries Inc	
	Section 24: SESE		OXY Y-1 Company	
	Section 26: NENE		Yates Petroleum Corp	
	Section 27: All			
	Section 28: All			

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #4-23-9-16

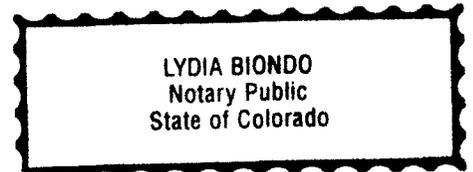
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Jill Loyle
Regulatory Associate

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

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

My Commission Expires: 12/31/13



Federal 4-23-9-16

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

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.55')
 DEPTH LANDED: 324.40'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

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

TUBING

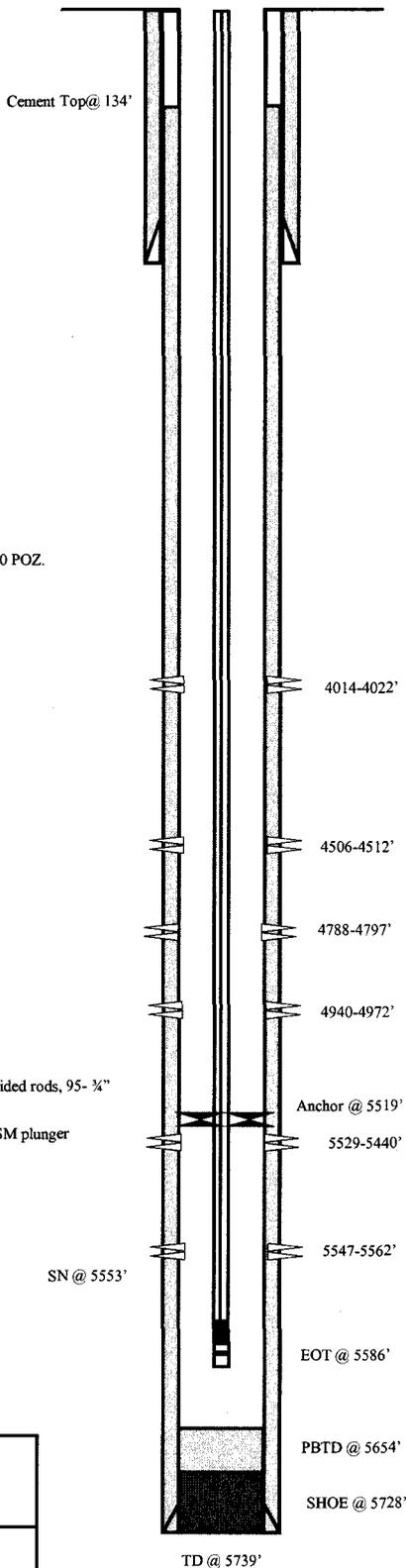
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5507.16')
 TUBING ANCHOR: 5519.16'
 NO. OF JOINTS: 1 jts (31.39')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5553.35' KB
 NO. OF JOINTS: 1 jts (31.48')
 TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

SUCKER RODS

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

FRAC JOB

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



PERFORATION RECORD

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

NEWFIELD

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

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

Federal 1-22-9-16

Injection Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

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

TUBING

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

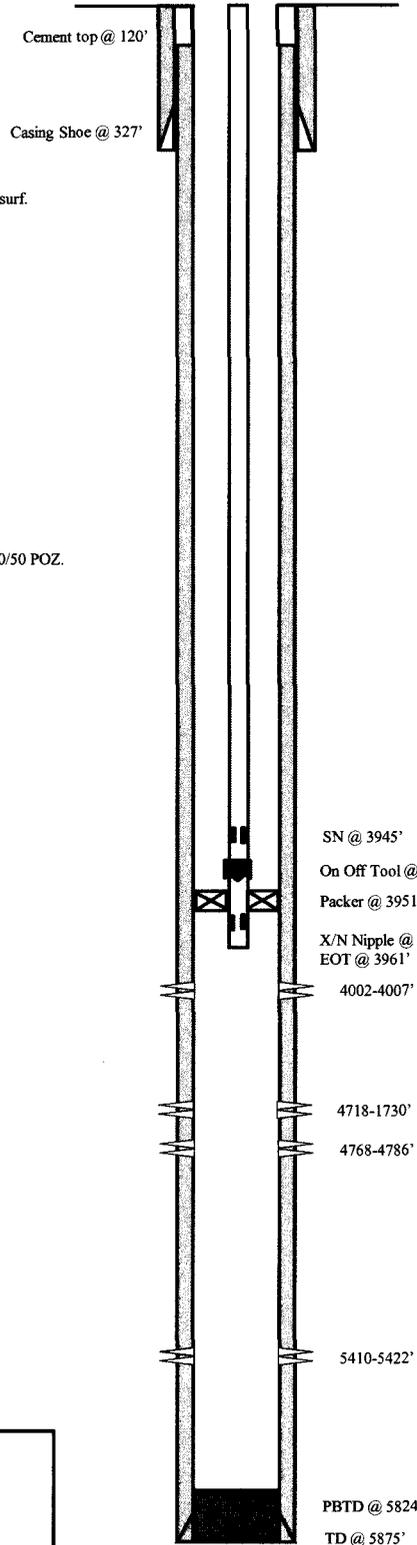
FRAC JOB

01-16-06 5410-5422' **Frac CP2, sands as follows:**
 45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.

01-16-06 4718-4730' **Frac B2, & B1 sands as follows:**
 124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal.

01-16-06 4002-4007' **Frac GB6 sands as follows:**
 23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.

03/22/06 **Pump Change.** Update rod and tubing details.
 9-3-08 **Pump Change.** Updated rod & tubing details.
 7/21/09 **Tubing Leak.** Updated rod & tubing details.
 01/13/2011 **Pump Change.** Rod & tubing detail updated.
 11/14/12 **Convert to Injection Well**
 11/16/12 **Conversion MIT Finalized** – update tbg detail



PERFORATION RECORD

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

NEWFIELD



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

NEWFIELD

Schematic

Well Name: **Federal 2-22-9-16**

43-013-32958

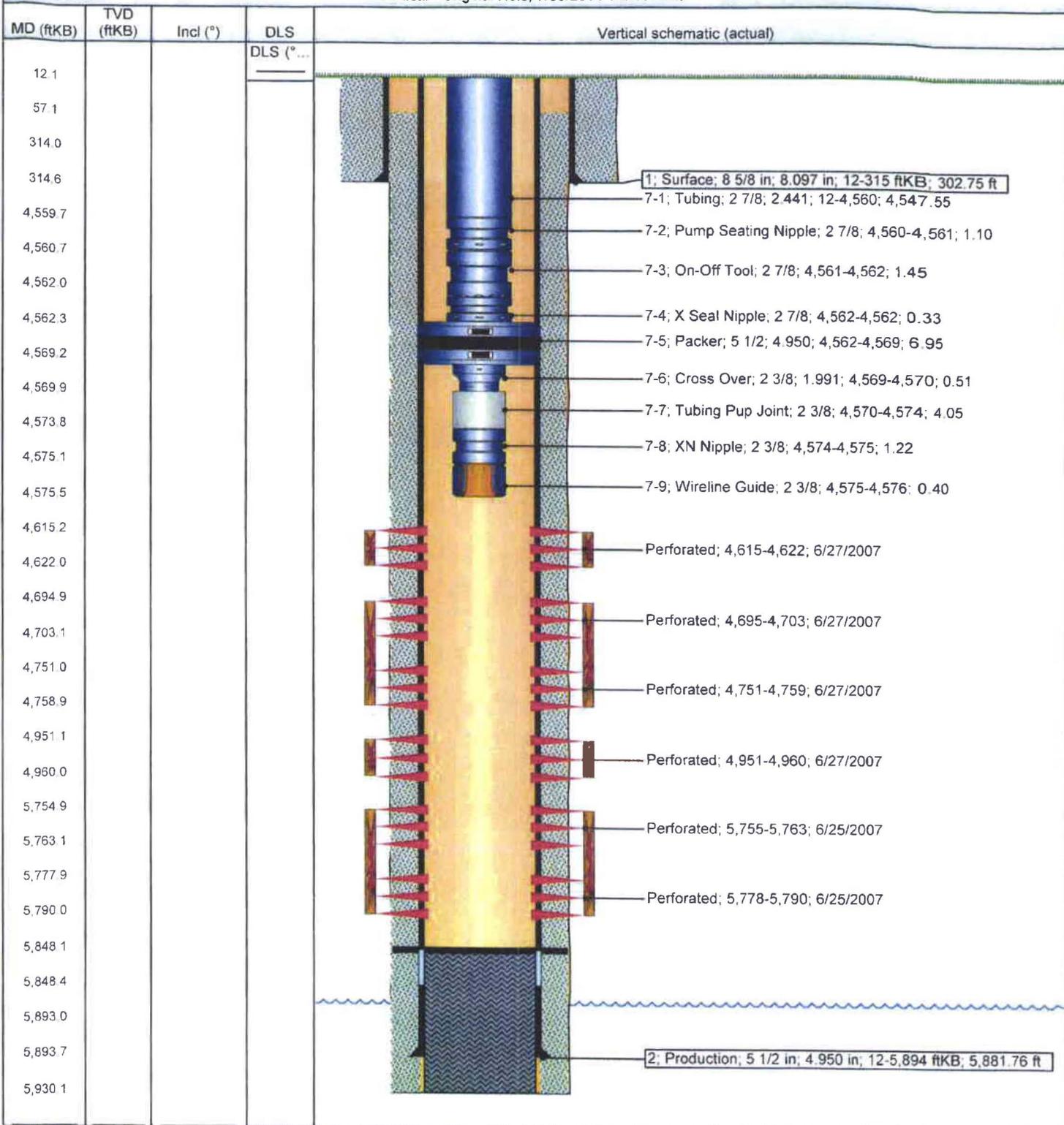
Surface Legal Location 22-9S-16E		API/UWI 43013329580000	Well RC 500158554	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 5/23/2007	Rig Release Date 6/8/2007	On Production Date 7/3/2007	Original KB Elevation (ft) 5,872	Ground Elevation (ft) 5,860	Total Depth All (TVD) (ftKB)	PBTD (A/R) (ftKB) Original Hole - 5,848.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 7/18/2014	Job End Date 7/29/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	---------------------------

TD: 5,930.0

Vertical - Original Hole, 7/30/2014 1:27:41 PM



NEWFIELD

Schematic

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

43-013-32959

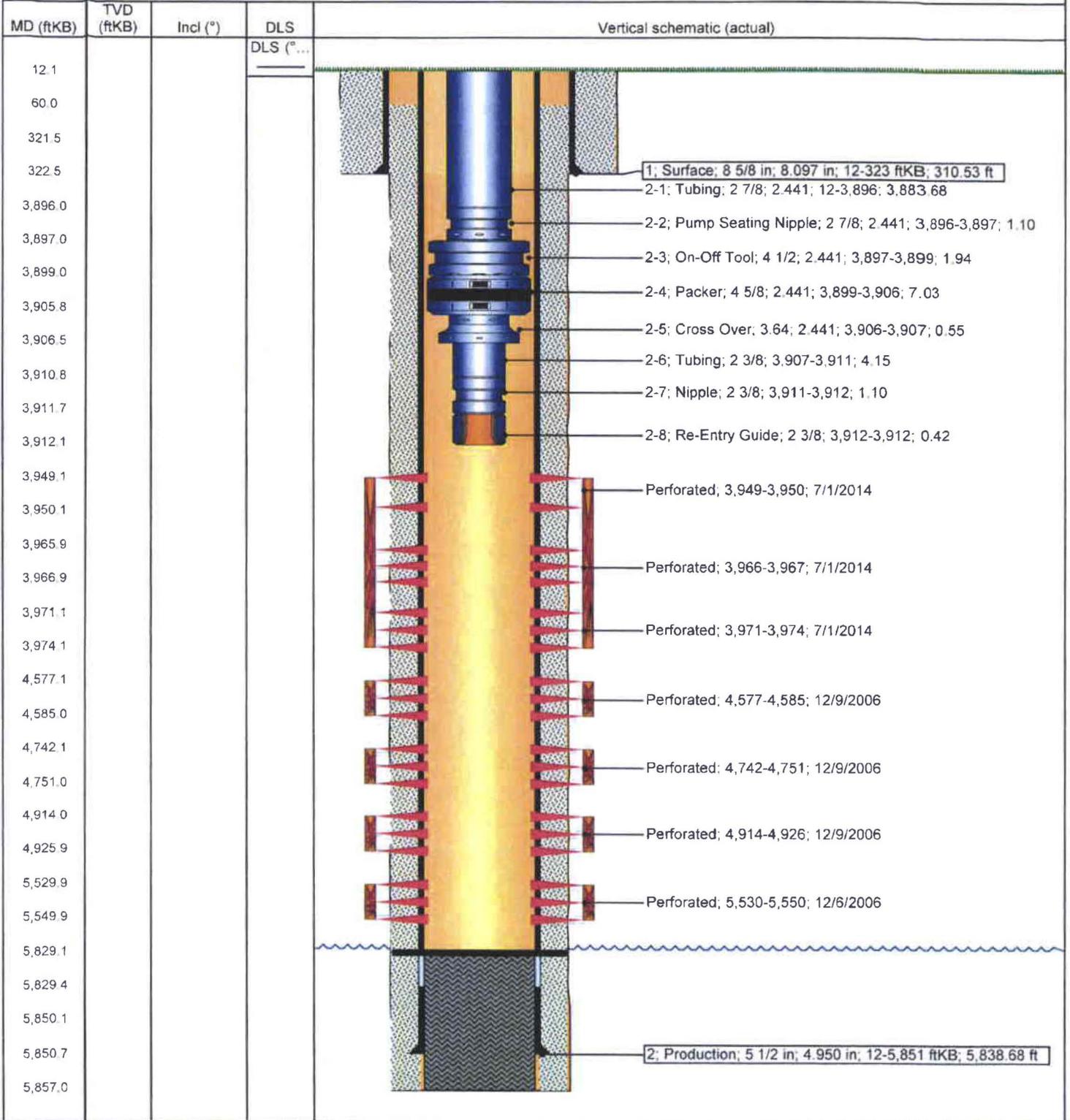
Surface Legal Location 22-9S-16E		API/UWI 43013329590000	Well RC 500159036	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 11/1/2006	Rig Release Date 11/24/2006	On Production Date 12/13/2006	Original KB Elevation (ft) 5,791	Ground Elevation (ft) 5,779	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,828.9	

Most Recent Job

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

TD: 5,857.0

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



FEDERAL 2-23-9-16

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

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.

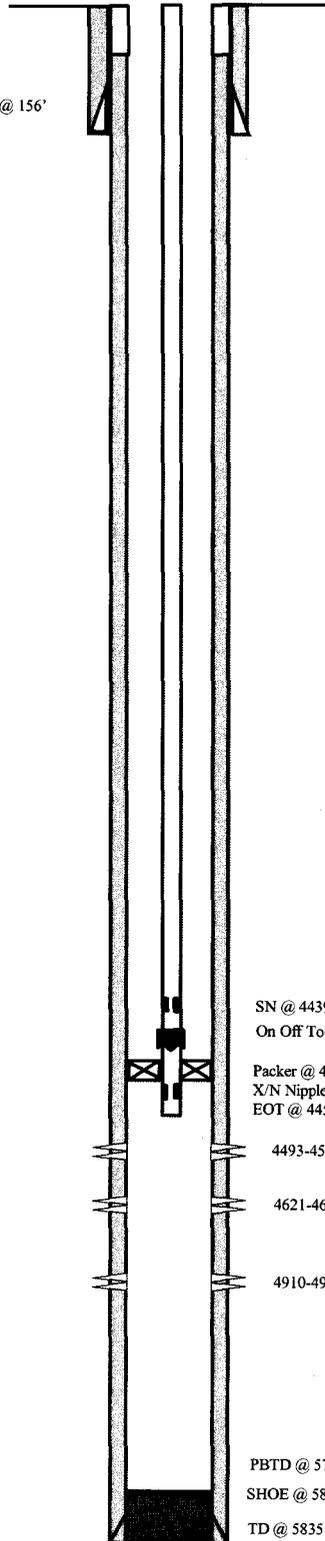
PRODUCTION CASING

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

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

FEDERAL 3-23-9-16

Spud Date: 01/08/08
 Put on Production: 03/07/08
 GL:5680' KB:5692'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (284.85')
 DEPTH LANDED: 296.70' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 130 jts. (5811.31')
 DEPTH LANDED: 5781.17' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 poz
 CEMENT TOP: 92'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 124 jts (3889.7')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3901.7' KB
 ON/OFF TOOL AT: 3902.8'
 ARROW #1 PACKER CE AT: 3907'
 XO 2-3/8 x 2-7/8 J-55 AT: 3911.6'
 TBG PUP 2-3/8 J-55 AT: 3912.1'
 X/N NIPPLE AT: 3916.1'
 TOTAL STRING LENGTH: EOT @ 3917.5'

FRAC JOB

02/28/08 4937-4949' **Frac A3 sands as follows:**
 60177# 20/40 sand in 519 bbls Lightning 17 frac fluid. Treated @ avg press of 2021 psi w/avg rate of 23.3 BPM. ISIP 2150 psi.

02/28/08 4739-4748' **Frac B2 sands as follows:**
 40603# 20/40 sand in 407 bbl Lightning 17 frac fluid. Treated @ avg press of 1923 psi w/avg rate of 23.2 BPM. ISIP 1964 psi.

02/28/08 4612-4621' **Frac C sands as follows:**
 25535# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 2360 psi w/avg rate of 23.1 BPM. ISIP 2760 psi.

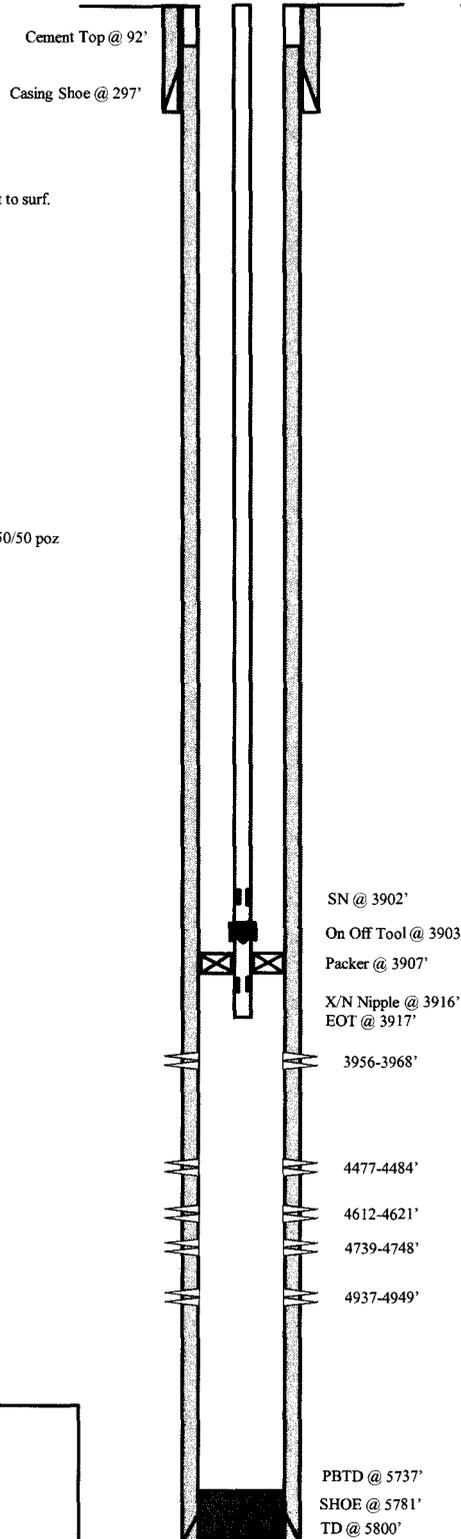
02/28/08 4477-4484' **Frac D1 sands as follows:**
 20500# 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 2099 psi w/avg rate of 23.2 BPM. ISIP 2016 psi.

02/28/08 3956-3968' **Frac GB4 sands as follows:**
 23017# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 1777 psi w/avg rate of 23.0 BPM. ISIP 1817 psi.

10/11/11 **Parted Rods.** Updated rod & tubing detail.

11/20/12 **Convert to Injection Well**

11/21/12 **Conversion MIT Finalized** - update tbg detail



PERFORATION RECORD

4937-4949'	4 JSPF	48 holes
4739-4748'	4 JSPF	36 holes
4612-4621'	4 JSPF	36 holes
4477-4484'	4 JSPF	28 holes
3956-3968'	4 JSPF	48 holes

NEWFIELD



FEDERAL 3-23-9-16
 586' FNL & 1849' FWL
 NE/NW Section 23-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33176; Lease #UTU-15855

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

Federal 5-23-9-16

Injection Wellbore Diagram

SURFACE CASING

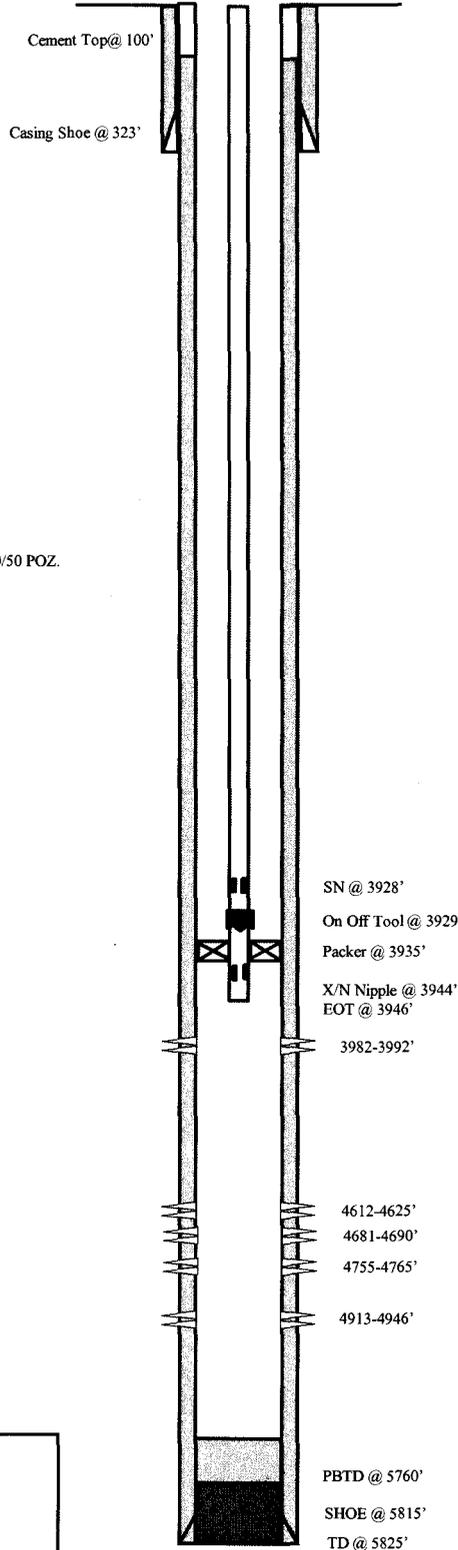
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.39')
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 323.24'
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

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

TUBING

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



FRAC JOB

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

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

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

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

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

1/24/09 **Pump Change.** Updated r & t details.
 12/11/12 **Convert to Injection Well**
 12/12/12 **Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

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

NEWFIELD



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

FEDERAL 12-23-9-16

Spud Date: 2/5/08
Put on Production: 5/22/08

GL: 5774' KB: 5786'

SURFACE CASING

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

PRODUCTION CASING

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

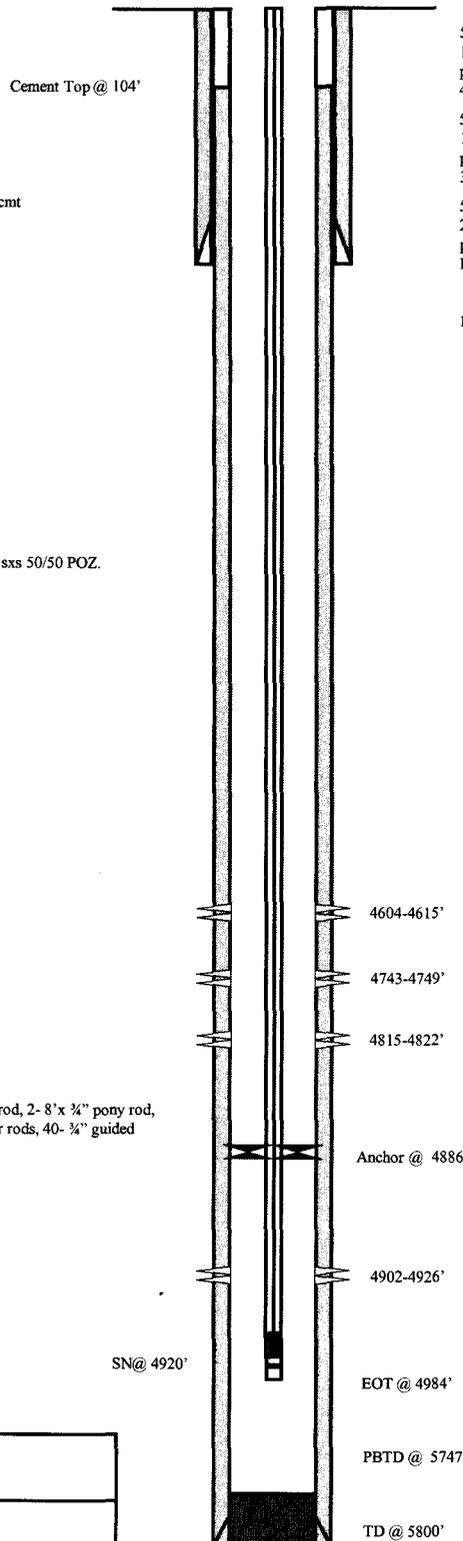
TUBING

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

SUCKER RODS

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

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

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

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

PERFORATION RECORD

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

NEWFIELD

FEDERAL 12-23-9-16

2120' FSL & 794' FWL

NW/SW Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33179; Lease # UTU-15855

Jonah Federal 14-14-9-16

Spud Date: 10-11-05
 Put on Production: 11-22-05
 GL: 5740' KB: 5752'

Injection Wellbore Diagram

SURFACE CASING

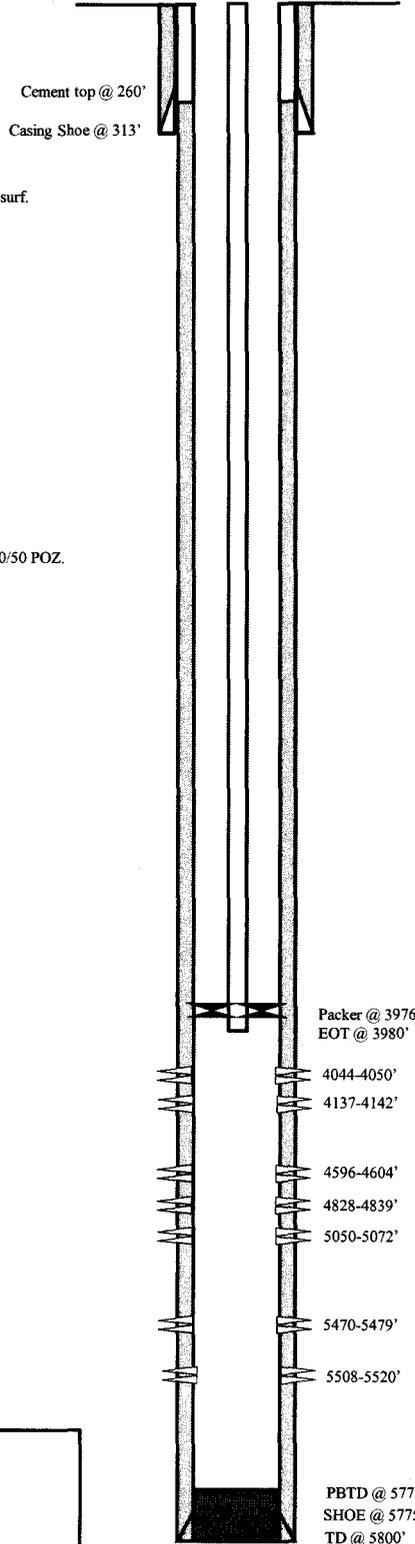
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (301.68')
 DEPTH LANDED: 312.58' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 130 jts. (5761.28')
 DEPTH LANDED: 5774.53' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 260'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 122 jts (3961.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3971.3'
 CE @ 3975.74'
 TOTAL STRING LENGTH: EOT @ 3980'



FRAC JOB

11-14-05 5470-5520' **Frac CP1, & CP2 sands as follows:**
 30835# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2008 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 5468 gal. Actual flush: 5460 gal.

11-15-05 5050-5072' **Frac A1 sands as follows:**
 100886# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 25.1 BPM. ISIP 2130 psi. Calc flush: 5048 gal. Actual flush: 5082 gal.

11-15-05 4828-4839' **Frac B1 sands as follows:**
 70362# 20/40 sand in 537 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 25.1 BPM. ISIP 2060 psi. Calc flush: 4826 gal. Actual flush: 4872 gal.

11-15-05 4596-4604' **Frac D1 sands as follows:**
 28955# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1758 w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4594 gal. Actual flush: 4518 gal.

11-15-05 4044-4142' **Frac GB4, & GB6 sands as follows:**
 31600# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1790 w/avg rate of 25.1 BPM. ISIP 1770 psi. Calc flush: 4042 gal. Actual flush: 3948 gal.

05/02/07 **Tubing Leak - Rod & Tubing detail updated.**

09/11/07 **Tubing Leak - Rod & Tubing detail updated.**

7-21-08 **Tubing Leak. Updated rod & tubing details.**

1/29/10 **Parted rods. Updated rod and tubing detail.**

05/04/11 **Convert to Injection well**

05/18/11 **Conversion MIT Finalized - update tbg detail**

PERFORATION RECORD

Date	Interval	Tool	Holes
11-10-05	5508-5520'	4 JSPF	48 holes
11-10-05	5470-5479'	4 JSPF	36 holes
11-14-05	5050-5072'	4 JSPF	88 holes
11-15-05	4828-4839'	4 JSPF	44 holes
11-15-05	4596-4604'	4 JSPF	32 holes
11-15-05	4137-4142'	4 JSPF	20 holes
11-15-05	4044-4050'	4 JSPF	24 holes

NEWFIELD

Jonah Federal 14-14-9-16

507' FSL & 1684' FWL

SE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32697; Lease #UTU-096547

Jonah Federal 15-14-9-16

Spud Date: 5-4-05
 Put on Production: 6-10-05
 GL: 5631' KB: 5643'

Initial Production: BOPD 42,
 MCFD 13, BWPD 161

Injection Wellbore
 Diagram

SURFACE CASING

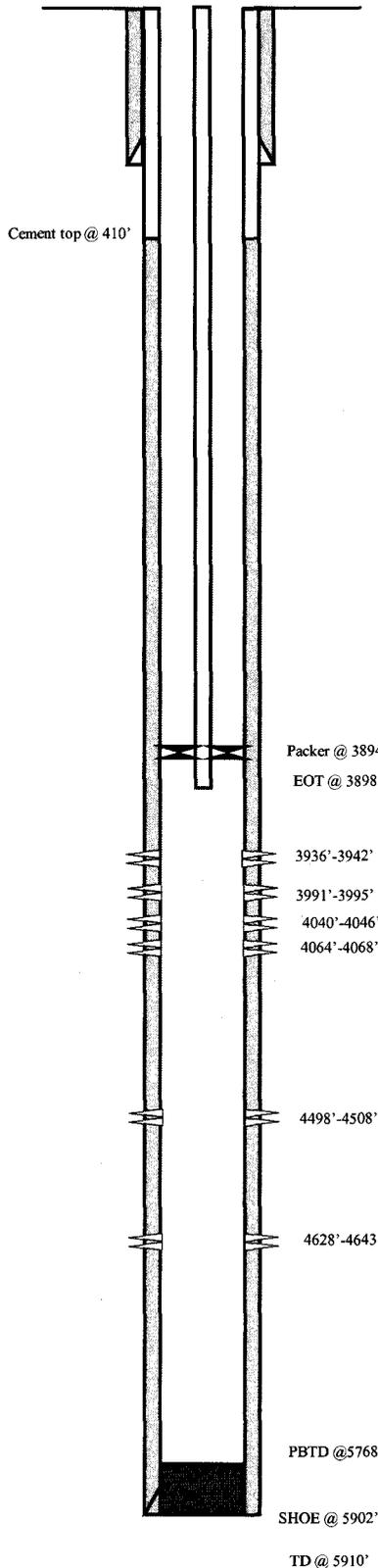
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302-46')
 DEPTH LANDED: 314.31' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (5888.88')
 DEPTH LANDED: 5902.13' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 410'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 116 jts (3877.64')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3889.64' KB
 TOTAL STRING LENGTH: EOT @ 3898.24' KB



FRAC JOB

6-1-05	4628-4643'	Frac C sand as follows: 57,701#'s 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 2180 psi w/avg rate of 24.5 BPM. ISIP 3700 psi. Screened out short of flush.
6-2-05	4498-4508'	Frac D1 sand as follows: 69,795#'s 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1589 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4496 gal. Actual flush: 4200 gal.
6-2-05	4040-4068'	Frac GB6 sand as follows: 28,155#'s 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 psi w/avg rate of 24.6 BPM. ISIP 3450 psi. Screened out short of flush.
6-6-05	3936-3942'	Frac GB2 & GB4 sand as follows: 29,409#'s 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.4 BPM. ISIP 1900 psi. Calc flush: 3934 gal. Actual flush: 3881 gal.
11/2/06		Well converted to an Injection well.
11/21/06		MIT completed and submitted.

PERFORATION RECORD

5-25-05	4628-4643'	4 JSPF	60 holes
6-2-05	4498-4508'	4 JSPF	40 holes
6-2-05	4040-4046'	4 JSPF	24 holes
6-2-05	4064-4068'	4 JSPF	16 holes
6-2-05	3991-3995'	4 JSPF	16 holes
6-2-05	3936-3942'	4 JSPF	24 holes

NEWFIELD

Jonah Federal 15-14-9-16
 610' FSL & 2096' FEL
 SW/SE Section 14-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32689; Lease #UTU-096547

Jonah Federal 13-14-9-16

Attachment E-10

Initial Production: 171 BOPD,
14 MCFD, 151 BWPD

Spud Date: 5/21/05
Put on Production: 7/1/05
GL: 5758' KB: 5770'

Injection Wellbore Diagram

SURFACE CASING

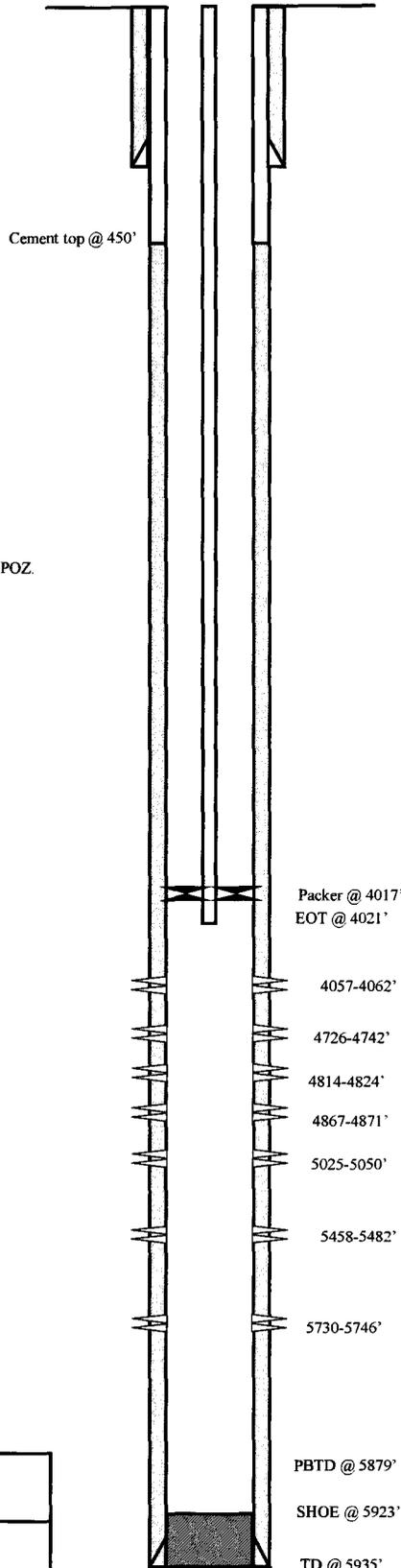
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (303.95')
DEPTH LANDED: 313.95' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts. (5925.19')
DEPTH LANDED: 5923.19' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 450'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 123 jts (4001.11')
SN LANDED AT: 1.10' @ 4014.21'
CE @ 4017.51'
TOTAL STRING LENGTH: EOT @ 4021.58' w/12' KB



FRAC JOB

6-27-05	5730-5746'	Frac CP5 sands as follows: 58406# 20/40 sand in 503 bbls Lightning 17 frac fluid. Treated @ avg press of 1678 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5728 gal. Actual flush: 5712 gal.
6-27-05	5458-5482'	Frac CP1 sands as follows: 78805# 20/40 sand in 609 bbls Lightning 17 frac fluid. Treated @ avg press of 1654 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5456 gal. Actual flush: 5462 gal.
6-27-05	5025-5050'	Frac A1/A3 sands as follows: 108479# 20/40 sand in 876 bbls Lightning 17 frac fluid. Treated @ avg press of 1560 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 5023 gal. Actual flush: 5082 gal.
6-27-05	4814-4871'	Frac B2 & B1 sands as follows: 43548# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 1606 psi w/avg rate of 24.6 BPM. ISIP 2150 psi. Calc flush: 4812 gal. Actual flush: 4872 gal.
6-27-05	4726-4742'	Frac C sands as follows: 68949# 20/40 sand in 538 bbls Lightning 17 frac fluid. Treated @ avg press of 1590 psi w/avg rate of 24.5 BPM. ISIP 2100 psi. Calc flush: 4724 gal. Actual flush: 4704 gal.
6-27-05	4057-4062'	Frac GB4 sands as follows: 12976# 20/40 sand in 203 bbls Lightning 17 frac fluid. Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4055 gal. Actual flush: 4704 gal.
07/07/06		Pump Change: Updated rod and tbg detail.
01-09-07		Pump Change: Updated rod and tbg detail.
10/20/08		Convert to Injection well
10/24/08		MIT Completed - tbg detail updted

PERFORATION RECORD

6-22-05	5730-5746'	4 JSPF	64 holes
6-27-05	5458-5482'	4 JSPF	96 holes
6-27-05	5025-5050'	4 JSPF	100 holes
6-27-05	4867-4871'	4 JSPF	16 holes
6-27-05	4814-4824'	4 JSPF	40 holes
6-27-05	4726-4742'	4 JSPF	64 holes
6-27-05	4057-4062'	4 JSPF	20 holes

NEWFIELD

Jonah Federal 13-14-9-16

484' FSL & 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32696; Lease #UTU-096547

Jonah Fed Q-14-9-16

Spud Date: 12/6/2008
 Put on Production: 1/26/2009
 GL: 5760' KB: 5772'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (317.16')
 DEPTH LANDED: 327.16'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G", circ. 0 bbls to surf.

PRODUCTION CASING

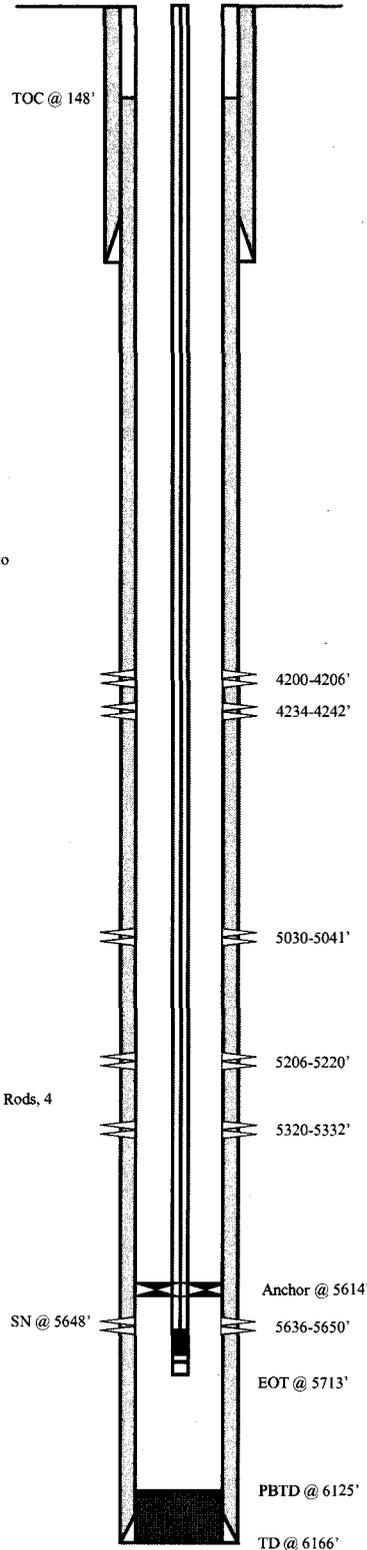
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 160 jts (6166.10')
 DEPTH LANDED: 6164.10'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sx Primlite II & 400 sx 50/50 poz, circ. 26 bbls to surf.
 CEMENT TOP: 148' per CBL 1/9/09

TUBING (KS 7-31-09)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 179 jts (5602.2')
 TUBING ANCHOR: 5614.2'
 NO. OF JOINTS: 1 jt (31.10')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5648.10'
 NO. OF JOINTS: 2 jts (63.20')
 TOTAL STRING LENGTH: EOT @ 5713'

SUCKER RODS (KS 7-31-09)

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 2', 2', 8' x 7/8" Pony Rods, 221 x 7/8" 8per Guided Rods, 4 x 1-1/2" Sinker Bars
 PUMP SIZE: 2-1/2" x 1-3/4" x 16" x 20" RHAC
 STROKE LENGTH: 124"
 PUMP SPEED, SPM: 5.5
 PUMPING UNIT: DARCO C-456-305-144



FRAC JOB

1/14/09 5636-5650' RU BJ & frac CP1 sds as follows:
 50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2289. Actual flush: 5170 gals.

1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:
 40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3291 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2861. Actual flush: 4876 gals.

1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:
 55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2459. Actual flush: 4741 gals.

1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:
 40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1987. Actual flush: 4523 gals.

1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:
 38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand. ISIP was 2122. Actual flush: 4116 gals.

8/5/09 Parted rods. Updated rod & tubing detail.

PERFORATION RECORD

Date	Interval	JSPF	Holes
1/15/09	4200-4206'	4 JSPF	24 holes
1/15/09	4234-4242'	4 JSPF	32 holes
1/14/09	5030-5041'	4 JSPF	44 holes
1/14/09	5206-5220'	4 JSPF	56 holes
1/15/09	5320-5332'	4 JSPF	48 holes
1/15/09	5636-5650'	4 JSPF	56 holes

NEWFIELD



Jonah Q-14-9-16

478' FSL & 703' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34041; Lease # UTU-096547

Jonah Federal 16-15-9-16

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

Injection Wellbore Diagram

SURFACE CASING

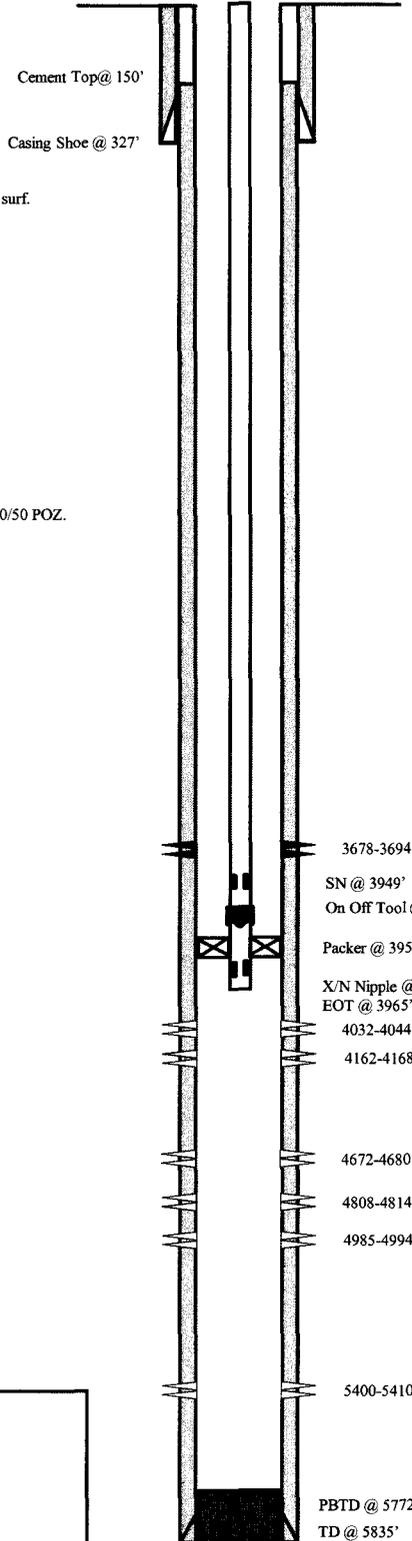
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (315.16')
 DEPTH LANDED: 327.01' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

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

TUBING

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



FRAC JOB

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

PERFORMANCE RECORD

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



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

Jonah Federal 12-14-9-16

Spud Date: 5-28-05
 Put on Production: 7-12-05
 GL: 5682' KB: 5694'

Initial Production: BOPD 118,
 MCFD 7, BWPD 139

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.88')
 DEPTH LANDED: 314.73' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 142 jts. (5830.79')
 DEPTH LANDED: 5844.04' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 250'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 122 jts (3969.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3981.3' KB
 CE @ 3985.69'
 TOTAL STRING LENGTH: EOT @ 3990' KB

FRAC JOB

6-30-05 5551-5716' **Frac CP3 & CP5 sand as follows:**
 25908#'s 20/40 sand in 306 bbls Lightning
 17 frac fluid. Treated @ avg press of 1599 psi
 w/avg rate of 25 BPM. ISIP 1775 psi. Calc
 flush: 5549 gal. Actual flush: 5552 gal.

7-5-05 5007-5119' **Frac A1 & LODC sand as follows:**
 45,085#'s 20/40 sand in 409 bbls Lightning
 17 frac fluid. Treated @ avg press of 1818 psi
 w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc
 flush: 5005 gal. Actual flush: 4788 gal.

7-6-05 **Frac B2**
 Decision was made to skip Stage #3.

7-6-05 4691-4712' **Frac C, sand as follows:**
 99846#'s 20/40 sand in 706 bbls Lightning
 17 frac fluid. Treated @ avg press of 1733 psi
 w/avg rate of 25 BPM. ISIP 1750 psi. Calc
 flush: 4689 gal. Actual flush: 4490 gal.

7-6-05 4556-4565' **Frac D1 sand as follows:**
 54,984#'s 20/40 sand in 446 bbls Lightning
 17 frac fluid. Treated @ avg press of 1773 psi
 w/avg rate of 25 BPM. ISIP 1820 psi. Calc
 flush: 4554 gal. Actual flush: 4334 gal.

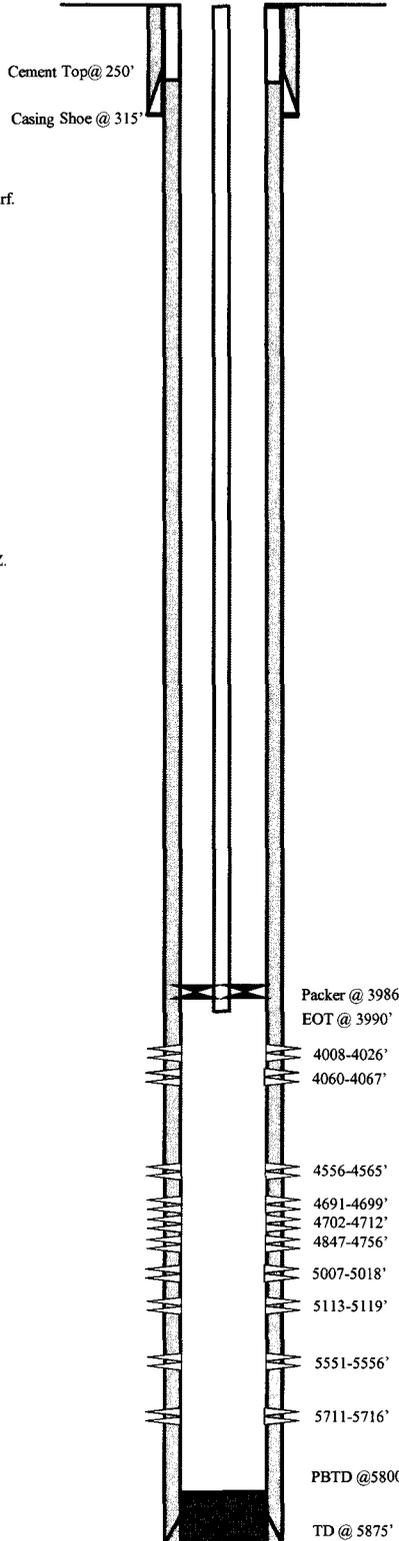
7-6-05 4008-4067' **Frac GB2 & GB4 sand as follows:**
 60,730#'s 20/40 sand in 457 bbls Lightning
 17 frac fluid. Treated @ avg press of 1425 psi
 w/avg rate of 25 BPM. ISIP 1650 psi. Calc
 flush: 4006 gal. Actual flush: 3901 gal.

8-8-05 **Pump Change.** Update tubing and rod detail.

7/1/08 **Pump Change.** Updated rod and tbg detail.

01/26/11 **Convert to Injection Well**

01/31/11 **Conversion MIT** - updated tbg detail



PERFORATION RECORD

6-30-05	5551-5556'	4 JSPF	20 holes
6-30-05	5711-5716'	4 JSPF	20 holes
7-5-05	5007-5018'	4 JSPF	44 holes
7-2-05	5113-5556'	4 JSPF	24 holes
7-6-05	4847-4856'	4 JSPF	36 holes
7-6-05	4691-4699'	4 JSPF	32 holes
7-6-05	4702-4712'	4 JSPF	40 holes
7-6-05	4556-4565'	4 JSPF	36 holes
7-6-05	4060-4067'	4 JSPF	28 holes
7-6-05	4008-4026'	4 JSPF	72 holes

NEWFIELD

Jonah Federal 12-14-9-16
 1816' FSL & 575' FWL
 NW/SW Section 14-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32682; Lease #UTU-096547

JONAH P-14-9-16

Spud Date: 10/19/2010

PWOP: 12/14/2010

GL: 5707' KB: 5719'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (336.56')
 DEPTH LANDED: 346.41' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 180 sxs Class "G" cmt

PRODUCTION CASING

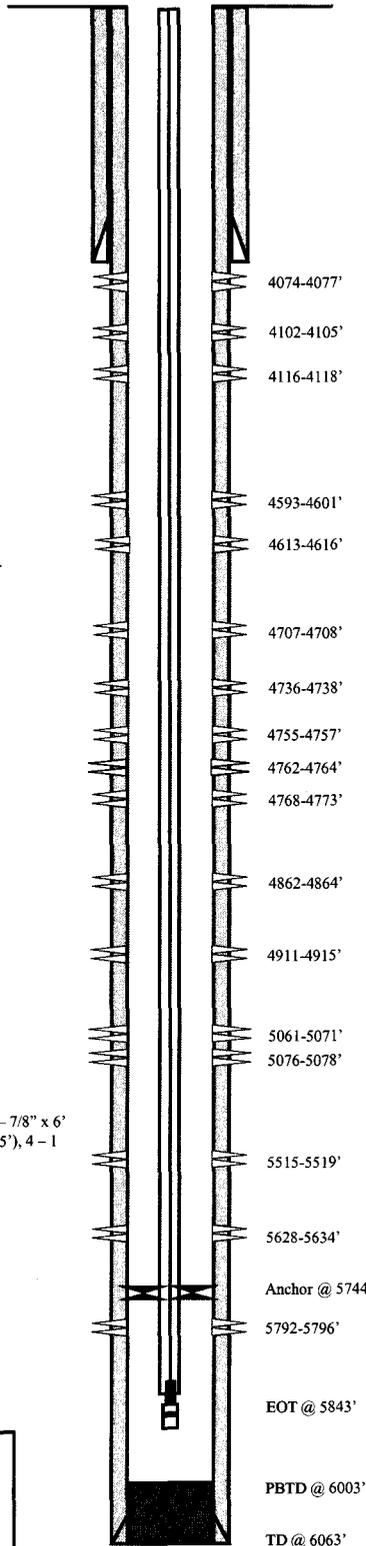
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts. (6034.18')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 6047.43' KB
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 430 sxs 50/50 POZ.
 CEMENT TOP AT: 50'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 187 jts. (5744.2')
 TUBING ANCHOR: 5744.2' KB
 NO. OF JOINTS: 1 jt. (31.5')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5778.4' KB
 NO. OF JOINTS: 2 jts. (62.8')
 NOTCHED COLLAR: 5842.3' KB
 TOTAL STRING LENGTH: EOT @ 5843'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1 1/2" Sinker Bars (100')
 PUMP SIZE: 2 1/2" x 1 3/4" x 21' x 24' RHAC
 STROKE LENGTH: 144"
 PUMP SPEED: 5 SPM



FRAC JOB

11/30/2010 5515-5796' **Frac CP1, CP3 & CP5, sands as follows:**
 Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover.

12/08/2010 5061-5078' **Frac A1, sands as follows:**
 Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover.

12/08/2010 4862-4915' **Frac B1 & B2, sands as follows:**
 Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover.

12/08/2010 4707-4773' **Frac C & D3, sands as follows:**
 Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover.

12/08/2010 4593-4616' **Frac D1, sands as follows:**
 Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover.

12/08/2010 4074-4118' **Frac GB4 & GB6, sands as follows:**
 Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover.

PERFORATION RECORD

Depth Range	Tool Joint	Holes
5792-5796'	3 JSPF	12 holes
5628-5634'	3 JSPF	18 holes
5515-5519'	3 JSPF	12 holes
5076-5078'	3 JSPF	6 holes
5061-5071'	3 JSPF	30 holes
4911-4915'	3 JSPF	12 holes
4862-4864'	3 JSPF	6 holes
4768-4773'	3 JSPF	15 holes
4762-4764'	3 JSPF	6 holes
4755-4757'	3 JSPF	6 holes
4736-4738'	3 JSPF	6 holes
4707-4708'	3 JSPF	3 holes
4613-4616'	3 JSPF	9 holes
4593-4601'	3 JSPF	24 holes
4116-4118'	3 JSPF	6 holes
4102-4105'	3 JSPF	9 holes
4074-4077'	3 JSPF	9 holes

NEWFIELD

Jonah P-14-9-16
 513'FSL & 510' FEL (SE/SE)
 Section 15, T9S, R16E
 Duchesne County, Utah
 API #43-013-34124; Lease # UTU-017985

Castle Peak Federal 6-23-9-16

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

Injection Wellbore
 Diagram

SURFACE CASING

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

PRODUCTION CASING

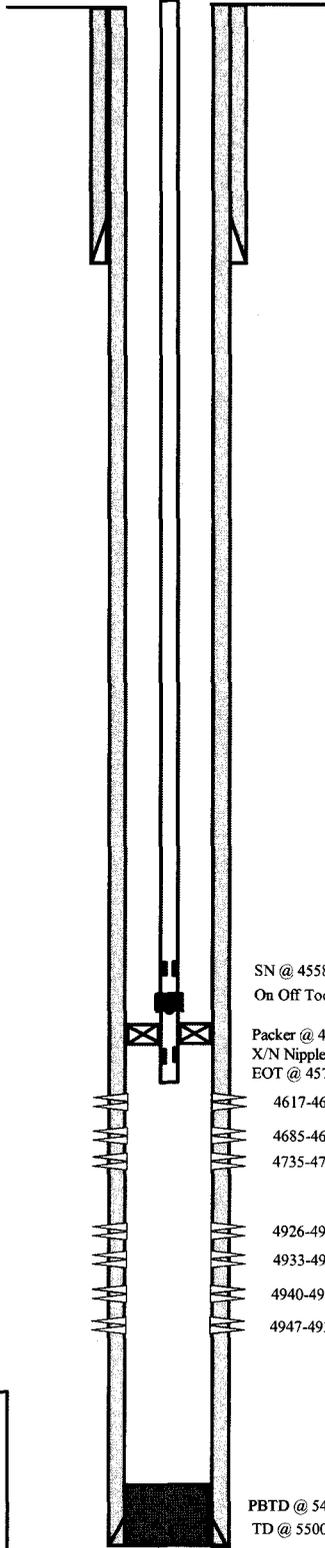
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 140 jts. (5497.24')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5495.95'
 CEMENT DATA: 120 sxs Lodense, 250 sxs Gypseal.
 CEMENT TOP AT: 000'

TUBING

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

FRAC JOB

8-22-84 4926-4949' **Frac sands as follows:**
 Frac with 28500# 20/40 sand in
 96500bbls Lightning 17 fluid.
 3/12/11 **Tubing Leak.** Updated rod and tubing detail
 02/27/14 4685-4737' **Frac B.5 & B2 sands as follows:**
 22138# 20/40 sand in 282 bbls Lightning 17
 frac fluid.
 02/27/14 4685-4737' **Frac C sands as follows:** 31402# 20/40 sand
 in 282 bbls Lightning 17 frac fluid.
 03/04/14 **Conversion MIT Finalized** - update tbg
 detail



PERFORATION RECORD

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

NEWFIELD

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

Jonah 15-15-9-16

Spud Date: 01/07/06
 Put on Production: 02/07/06
 GL: 5758' KB: 5770'

Initial Production: BOPD,
 MCFD, BWPD

Injection Wellbore
 Diagram

SURFACE CASING

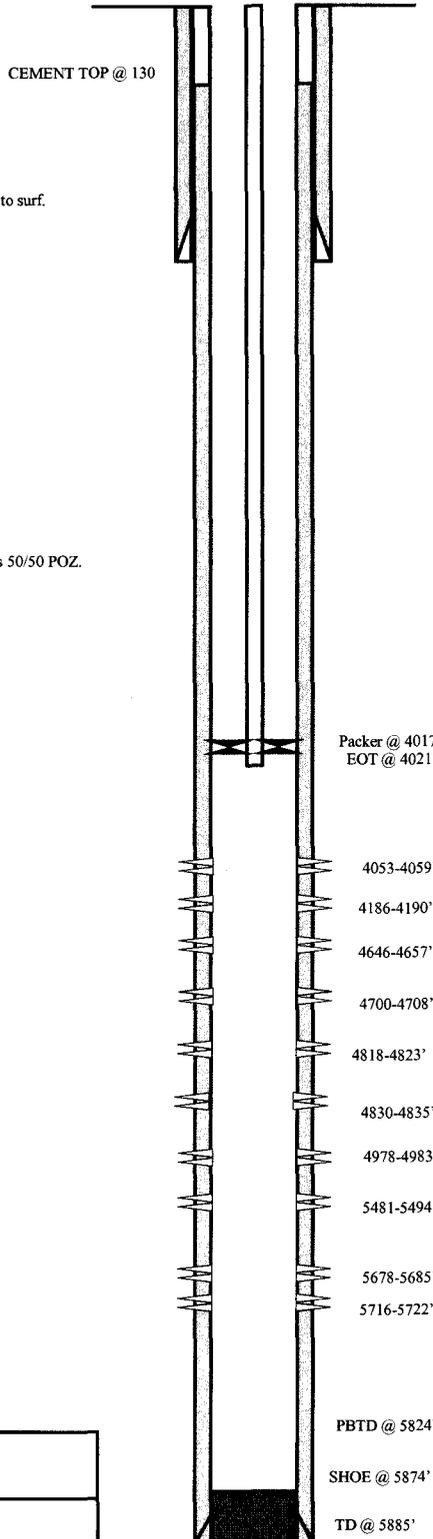
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.55')
 DEPTH LANDED: 323.40' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (5874.99')
 DEPTH LANDED: 5874.24' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP @ 130

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 123 jts (4000.93')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4014.03'
 TOTAL STRING LENGTH: EOT @ 4021.42'



FRAC JOB

01/31/06	5678-5722'	Frac CP4, CP5 sands as follows: 30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal.
01/31/06	5481-5494'	Frac CP2 sands as follows: 50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.
01/31/06	4978-4983'	Frac A3 sands as follows: 19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.
01/31/06	4818-4835'	Frac B2 sands as follows: 25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.
01/31/06	4646-4657'	Frac D3, C, sands as follows: 98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.
02/01/06	4186-4190'	Frac PB7 sands as follows: 19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.
02/01/06	4053-4059'	Frac GB6 sands as follows: 17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.
04/13/07	7/30/07	Pump Change Update Rod & Tubing Pump change. Updated rod & tubing detail.
05-21-08		Workover. Updated rod and tubing detail
10/16/08		Well converted to an Injection well.
10/28/08		MIT completed and submitted.

PERFORATION RECORD

01/27/06	5716-5722'	4 JSPF	24 holes
01/27/06	5678-5685'	4 JSPF	28 holes
01/31/06	5481-5494'	4 JSPF	52 holes
01/31/06	4978-4983'	4 JSPF	20 holes
01/31/06	4830-4835'	4 JSPF	20 holes
01/31/06	4818-4828'	4 JSPF	20 holes
01/31/06	4700-4708'	4 JSPF	32 holes
01/31/06	4646-4657'	4 JSPF	44 holes
01/31/06	4186-4190'	4 JSPF	16 holes
02/01/06	4053-4059'	4 JSPF	24 holes

NEWFIELD

Jonah 15-15-9-16

421' FSL & 1864' FEL

SW/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32753; Lease #UTU-17985

Well Name: GMBU G-23-9-16

43-013-51681

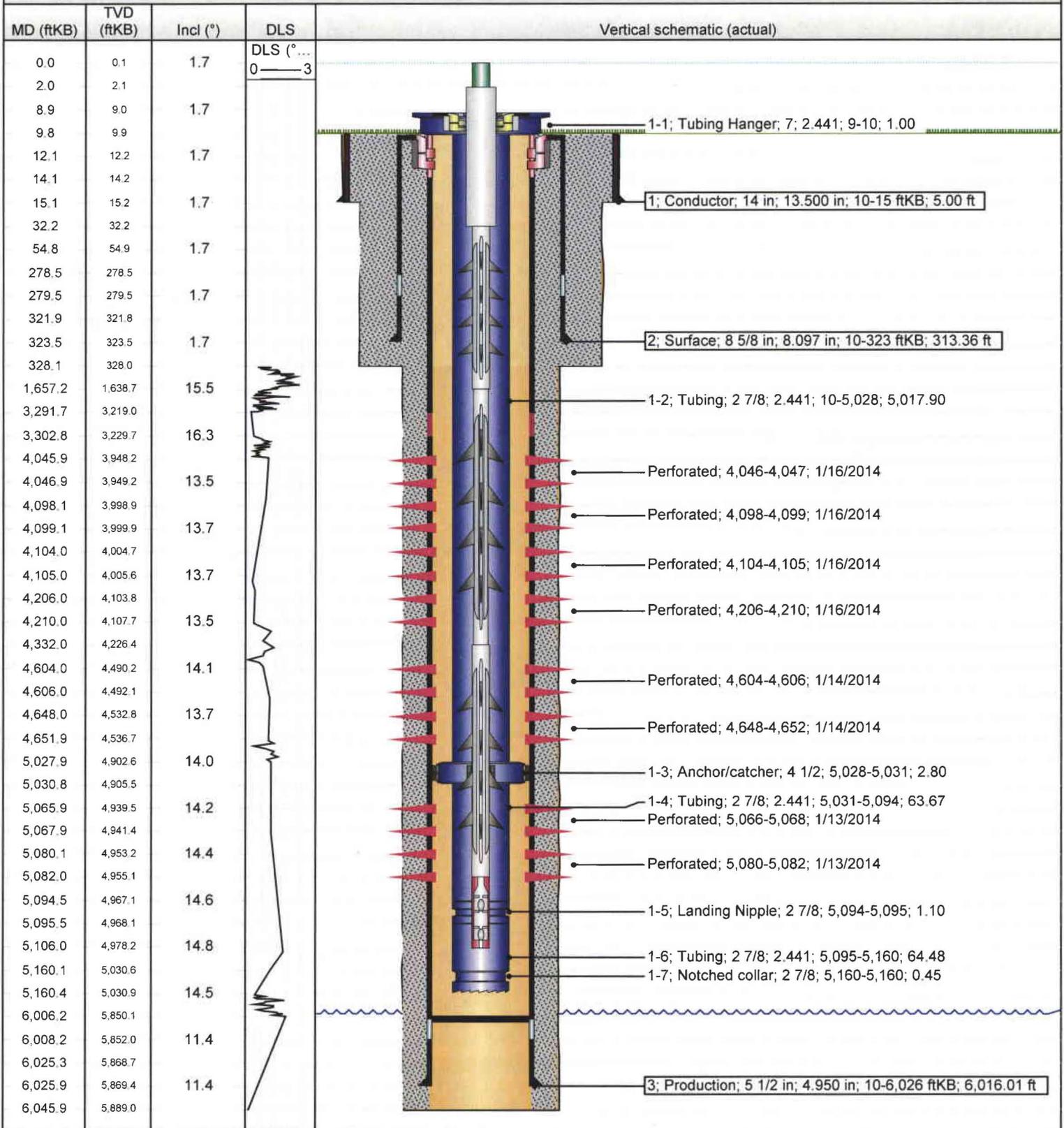
Surface Legal Location NWNW 527 FNL 726 FWL Sec 23 T9S R16E Mer SLB		API/UWI 43013516810000	Well RC 500334455	Lease UTU15855	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/14/2013	Rig Release Date 12/31/2013	On Production Date 1/24/2014	Original KB Elevation (ft) 5,728	Ground Elevation (ft) 5,718	Total Depth All (TVD) (ftKB) Original Hole - 5,889.0	PBSD (All) (ftKB) Original Hole - 6,006.3	

Most Recent Job

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

Slant - Original Hole, 4/14/2014 4:15:54 PM



GMBU C-23-9-16

Spud Date: 5/30/13
 Put on Production: 7/12/13
 GL: 5746' KB: 5759'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 DEPTH LANDED: 303.24'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 260 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6142.95'
 CEMENT DATA: 260 sxs PLII mixed & 470 sxs 50:50 POZ.
 CEMENT TOP AT: 50'

TUBING

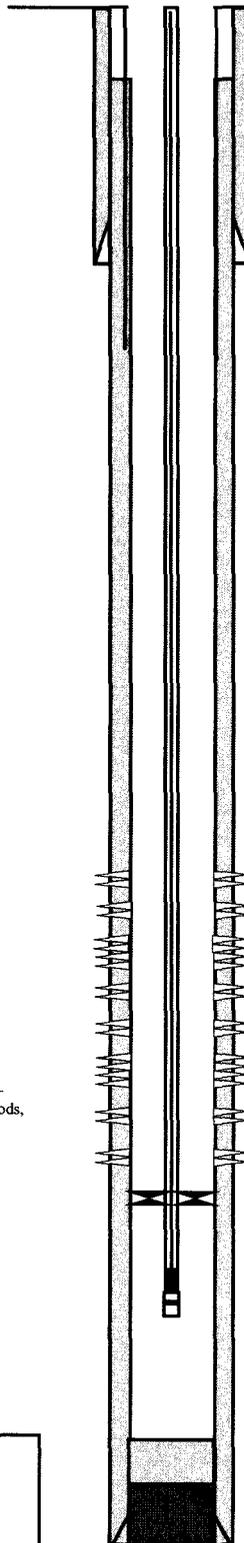
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 179 jts (5615.5')
 TUBING ANCHOR: 5615.5'
 NO. OF JOINTS: 1 jts (31.4')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5649.7' KB
 NO. OF JOINTS: 2 jts (62.8')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5714.01'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
 SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 70 - 7/8" 4per Guided Rods, 124 - 3/4" 4per Guided Rods, 30 - 7/8" 8per Guided Rods
 PUMP SIZE: 2 1/2" x 1 3/4" x 20" x 4' RHAC
 STROKE LENGTH: 144
 PUMP SPEED: SPM 5

FRAC JOB

Stage	Top	Bottom	Date	Frac Summary		
4	4,155'	4,156'	7/1/2013	Formation:	GB-6	GB-4
	4,163'	4,165'	7/1/2013	20/40 White:	119,460 lbs	15% HCl: 0 gals
	4,170'	4,171'	7/1/2013	Slickwater:	4,674 gals	17# Delta 140: 37,287 gals
	4,210'	4,212'	7/1/2013	FG=	0.870 psi/ft	Load to Recover: 41,961 gals
	4,214'	4,215'	7/1/2013			Max STP: 3,311 psi
	4,225'	4,227'	7/1/2013			
3	4,246'	4,248'	7/1/2013			
	4,713'	4,714'	7/1/2013	Formation:	D-3	D-1
	4,716'	4,718'	7/1/2013	20/40 White:	85,200 lbs	15% HCl: 500 gals
	4,722'	4,723'	7/1/2013	Slickwater:	5,320 gals	17# Delta 140: 24,902 gals
	4,729'	4,730'	7/1/2013	FG=	0.840 psi/ft	Load to Recover: 30,222 gals
	4,733'	4,735'	7/1/2013			Max STP: 2,799 psi
2	4,803'	4,807'	7/1/2013			
	5,094'	5,097'	7/1/2013	Formation:	A-3	A-1
	5,211'	5,213'	7/1/2013	20/40 White:	65,200 lbs	15% HCl: 500 gals
	5,215'	5,218'	7/1/2013	Slickwater:	5,696 gals	17# Delta 140: 19,442 gals
1	0'	0'	-	FG=	0.810 psi/ft	Load to Recover: 25,638 gals
	5,633'	5,639'	7/1/2013	Formation:	CP-2	
	0'	0'	-	20/40 White:	15,300 lbs	15% HCl: 750 gals
	0'	0'	-	Slickwater:	6,192 gals	17# Delta 140: 6,279 gals
	0'	0'	-	FG=	0.770 psi/ft	Load to Recover: 13,221 gals



PERFORATION RECORD

Stage	Top	Bottom	SPF	Date
4	4,155'	4,156'	2	7/1/2013
	4,163'	4,165'	2	7/1/2013
	4,170'	4,171'	2	7/1/2013
	4,210'	4,212'	2	7/1/2013
	4,214'	4,215'	2	7/1/2013
	4,225'	4,227'	2	7/1/2013
3	4,246'	4,248'	2	7/1/2013
	4,713'	4,714'	2	7/1/2013
	4,716'	4,718'	2	7/1/2013
	4,722'	4,723'	2	7/1/2013
	4,729'	4,730'	2	7/1/2013
	4,733'	4,735'	2	7/1/2013
2	4,803'	4,807'	2	7/1/2013
	5,094'	5,097'	2	7/1/2013
	5,211'	5,213'	2	7/1/2013
	5,215'	5,218'	2	7/1/2013
1	0'	0'	2	-
1	5,633'	5,639'	3	7/1/2013

NEWFIELD



GMBU C-23-9-16
 539' FSL & 1695' FEL (SE/SW)
 Section 14, T9S, R16E
 Duchesne Co, Utah
 API # 43-013-51682; LEASE# UTU-096547

43-013-51676

Well Name: GMBU X-14-9-16

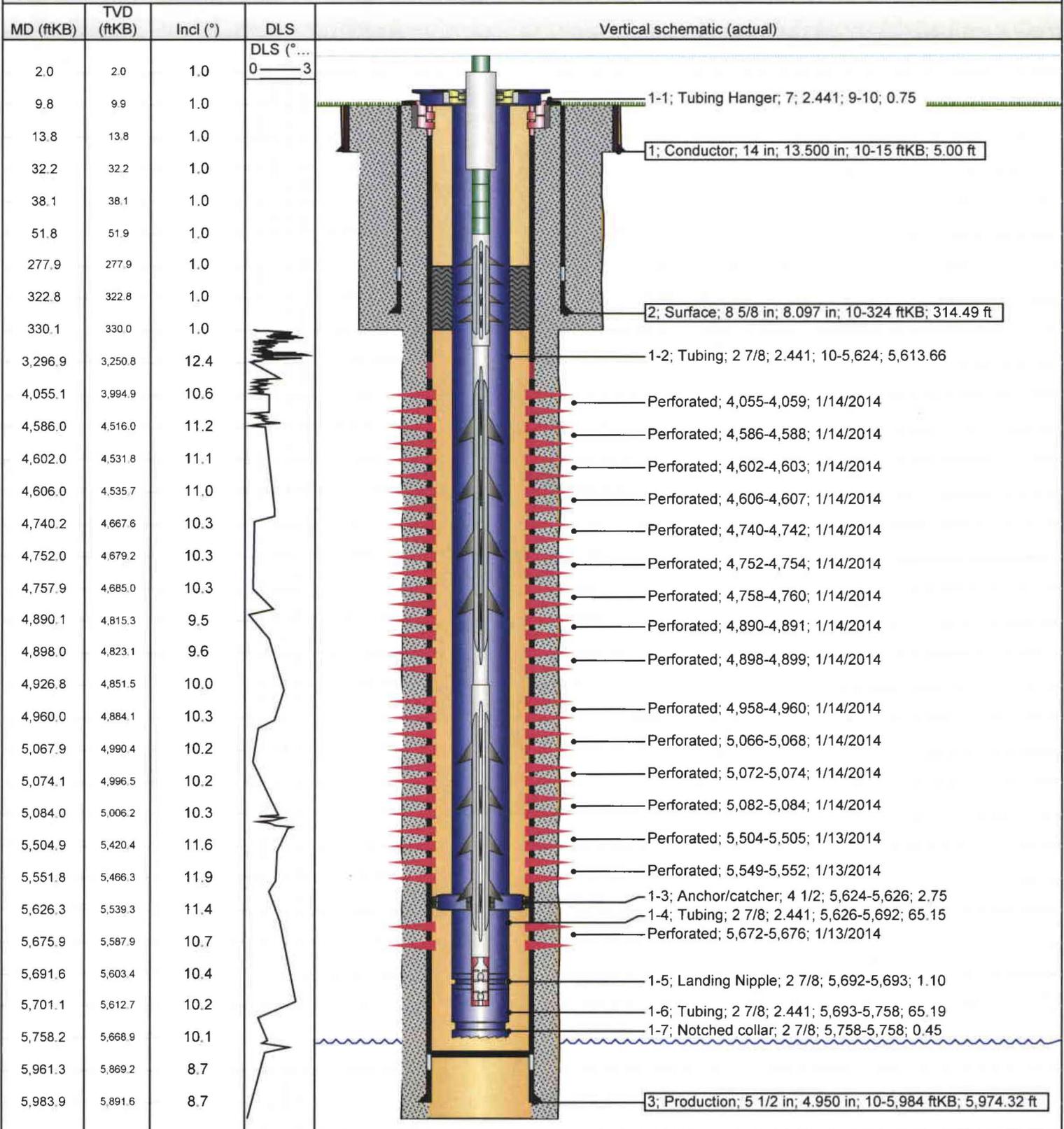
Surface Legal Location NWNW 518 FNL 707 FWL Sec 23 T9S R16E Mer SLB		API/UWI 43013516760000	Well RC 500346788	Lease UTU15855	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/13/2013	Rig Release Date 12/28/2013	On Production Date 1/24/2014	Original KB Elevation (ft) 5,728	Ground Elevation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

Most Recent Job

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

Slant - Original Hole, 4/14/2014 4:08:32 PM



43-013-51678



GMBU Y-14-9-16

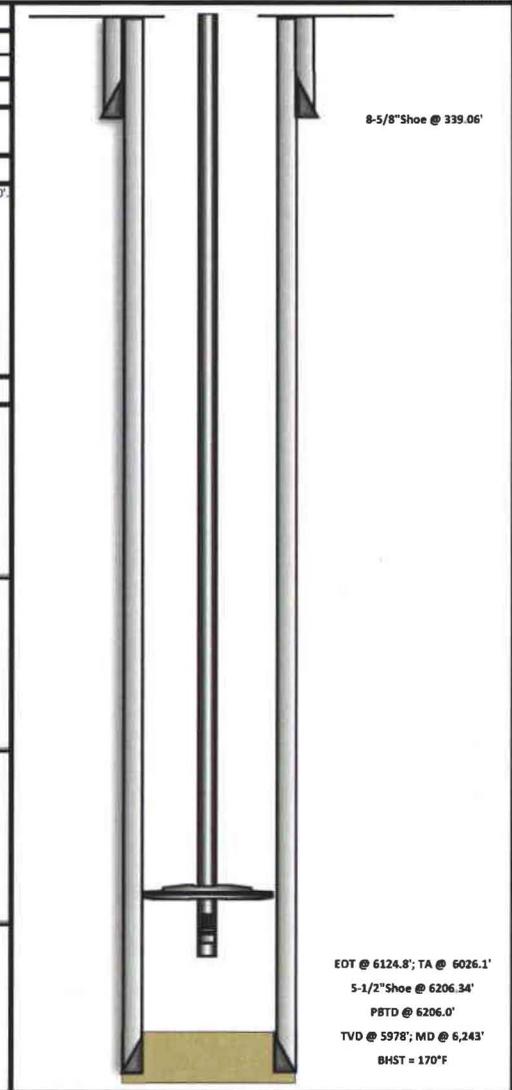
Monument Butte - Duchesne County; Utah, USA
 Surface Legal Location: NE/NE Section 22, T9S, R16E; 922' FNL & 944' FEL
 Elevation: 5746' GL + 10' KB

Paul Lembecke
 PFM 1/21/14
 Spud Date: 5/6/13
 PoP Date: 6/10/2013

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

CASING DETAIL	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	339'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,206'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TUBING DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	6,125'	BEUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 6,026'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod		0'	30'	1 1/2"	C(API)	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 6050'				
	Pony Rod		30'	32'	7/8"	C(API)	2	1					
	Pony Rod		32'	36'	7/8"	C(API)	4	1					
	Pony Rod		36'	42'	7/8"	C(API)	6	1					
	Pony Rod		42'	50'	7/8"	C(API)	8	1					
	Upper Guided Rod		50'	1,875'	7/8"	Tenaris D78	1825	73					
	Lower Guided Rod		1,875'	5,300'	3/4"	Tenaris D78	3425	137					
Upper Guided Rod		5,300'	6,050'	7/8"	Tenaris D78	750	30						

Stage	Top	Bottom	SPF	EHD	Date	Frac Summary				
4	0'	0'	3	-	-	Formation:	GB6			
	0'	0'	3	-	-	20/40 White:	47,686 lbs	15% HCl:	0 gals	
	0'	0'	3	-	-	Pad:	4,145 gals	Treating Fluid:	9,501 gals	
	0'	0'	3	-	-	Flush:	4,360 gals	Load to Recover:	18,006 gals	
	0'	0'	3	-	-	ISIP=	1.108 psi/ft	Max STP:	3,117 psi	
	4,204'	4,210'	3	0.34	5/31/2013					
3	0'	0'	3	-	-	Formation:	D3 D1			
	0'	0'	3	-	-	20/40 White:	67,789 lbs	15% HCl:	504 gals	
	0'	0'	3	-	-	Pad:	2,600 gals	Treating Fluid:	15,487 gals	
	0'	0'	3	-	-	Flush:	4,805 gals	Load to Recover:	23,396 gals	
	0'	0'	3	-	-	ISIP=	0.827 psi/ft	Max STP:	4,020 psi	
	4,744'	4,746'	3	0.34	5/31/2013					
2	0'	0'	3	-	-	Formation:	A3 A-Half B2			
	0'	0'	3	-	-	20/40 White:	104,572 lbs	15% HCl:	504 gals	
	0'	0'	3	-	-	Pad:	4,696 gals	Treating Fluid:	23,590 gals	
	5,043'	5,045'	3	0.34	5/31/2013	Flush:	4,998 gals	Load to Recover:	33,788 gals	
	5,109'	5,112'	3	0.34	5/31/2013	ISIP=	0.838 psi/ft	Max STP:	3,267 psi	
	5,227'	5,230'	3	0.34	5/31/2013					
1	0'	0'	3	-	-	Formation:	CP5			
	0'	0'	3	-	-	20/40 White:	86,195 lbs	15% HCl:	756 gals	
	0'	0'	3	-	-	Pad:	5,418 gals	Treating Fluid:	19,907 gals	
	5,968'	5,970'	3	0.34	5/29/2013	Flush:	5,951 gals	Load to Recover:	32,032 gals	
	5,999'	6,000'	3	0.34	5/29/2013	ISIP=	0.909 psi/ft	Max STP:	3,665 psi	
	6,042'	6,046'	3	0.34	5/29/2013					



CEMENT	Surf	On 5/7/13 Baker Hughes cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 4 bbls to the pit.											
	Prod	On 5/18/13 Baker pumped 265sks lead @ 11 ppg w/ 3.53 yield plus 475 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 25 bbls to the pit. TOC @ 36'.											

43-013-51674



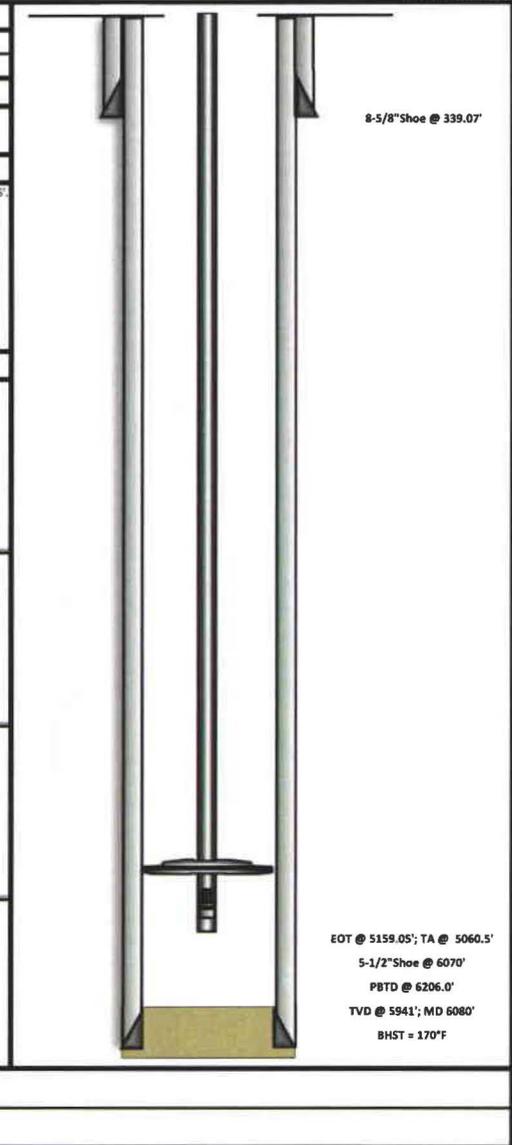
GMBU V-15-9-16

Monument Butte - Duchesne County; Utah, USA
 Surface Legal Location: NE/NE Section 22, T9S, R16E; 907' FNL & 959' FEL
 Elevation: 5746' GL + 10' KB

Paul Lembecke
 PFM 1/22/2013
 Spud Date: 5/3/13
 PoP Date: 6/10/2013

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

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	339'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,070'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
Tubing Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	5,159'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2,441"	Tubing Anchor Set @ 5,061'		
Rod Detail	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod		0'	30'	1 1/2"	C(API)	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5096'				
	Pony Rod		30'	32'	7/8"	C(API)	2	1	#NF2417				
	Pony Rod		32'	38'	7/8"	C(API)	6	1					
	Pony Rod		38'	46'	7/8"	C(API)	8	1					
	Aper Guided Rod		46'	1,621'	7/8"	Tenaris D78	1575	63					
	Aper Guided Rod		1,621'	4,346'	3/4"	Tenaris D78	2725	109					
Aper Guided Rod		4,346'	5,096'	7/8"	Tenaris D78	750	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	3	-	-	Formation:	PB8	GB6					
	0'	0'	3	-	-	20/40 White:	43,695 lbs	15% HCl:	0 gals				
	0'	0'	3	-	-	Pad:	2,470 gals	Treating Fluid:	10,609 gals				
	0'	0'	3	-	-	Flush:	4,154 gals	Load to Recover:	17,233 gals				
	4,137'	4,138'	3	0.34	5/29/2013	ISIP=	0.850 psi/ft	Max STP:	2,911 psi				
	4,293'	4,295'	3	0.34	5/29/2013								
3	0'	0'	3	-	-	Formation:	C-Sand						
	0'	0'	3	-	-	20/40 White:	34,145 lbs	15% HCl:	504 gals				
	0'	0'	3	-	-	Pad:	2,701 gals	Treating Fluid:	8,481 gals				
	0'	0'	3	-	-	Flush:	4,788 gals	Load to Recover:	16,474 gals				
	0'	0'	3	-	-	ISIP=	0.878 psi/ft	Max STP:	3,263 psi				
	4,784'	4,786'	3	0.34	5/29/2013								
2	0'	0'	3	-	-	Formation:	B2						
	0'	0'	3	-	-	20/40 White:	74,723 lbs	15% HCl:	588 gals				
	0'	0'	3	-	-	Pad:	3,595 gals	Treating Fluid:	19,404 gals				
	0'	0'	3	-	-	Flush:	4,931 gals	Load to Recover:	28,518 gals				
	4,918'	4,920'	3	0.34	5/29/2013	ISIP=	0.840 psi/ft	Max STP:	3,678 psi				
	4,928'	4,930'	3	0.34	5/29/2013								
1	0'	0'	3	-	-	Formation:	A1						
	0'	0'	3	-	-	20/40 White:	24,330 lbs	15% HCl:	756 gals				
	0'	0'	3	-	-	Pad:	4,893 gals	Treating Fluid:	6,623 gals				
	0'	0'	3	-	-	Flush:	1,768 gals	Load to Recover:	14,040 gals				
	0'	0'	3	-	-	ISIP=	0.826 psi/ft	Max STP:	3,625 psi				
	5,074'	5,080'	3	0.34	5/29/2013								
CEMENT	Surf	On 5/7/13 Baker cemented 8 5/8" casing w/ 1.60 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 7 bbls to the pit.											
	Prod	On 5/12/13 Baker pumped 260 sks lead @ 11 ppg w/ 3.53 yield plus 475 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 33 bbls to the pit. TOC @44'.											



43-013-51151

NEWFIELD



GMBU S-15-9-16

Monument Butte - Duchesne County, Utah, USA

Surf Location: NW/SE - Sec 15, T8S, R16E; 2314' FSL & 1799' FEL

5747' GL + 10' KB

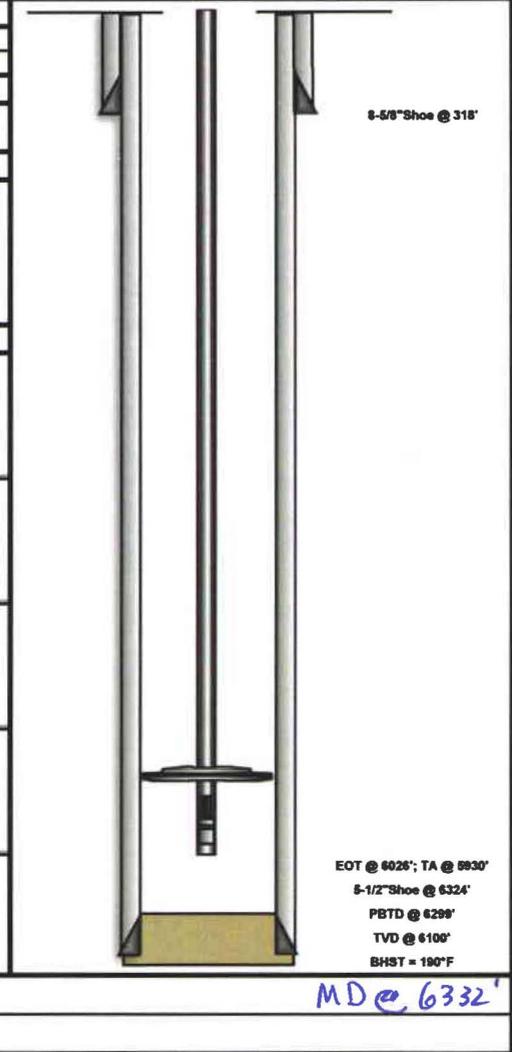
Paul Lembcke

DLB 5/10/13

API# 43-013-51151; Lease# UTU-017985

Spud Date: 2/6/13; PoP Date: 3/29/13

Casing Detail	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	318'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,324'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
TBG Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	10'	6,026'	8EUE	2-7/8"	8.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,930'		
ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Pony Rod			2'	7/8"	Tenaris D78	2'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,950'				
	Polish Rod			32'	1 1/2"	4140	30'	1					
	Pony Rod			34'	7/8"	Tenaris D78	2'	1					
	4per Guided Rod			2,084'	7/8"	Tenaris D78	2,050'	82					
	4per Guided Rod			5,209'	3/4"	Tenaris D78	3,125'	125					
	8per Guided Rod			5,209'	7/8"	Tenaris D78	750'	30					
8per Guided Rod			5,956'	7/8"	Tenaris D78	750'	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
5	4,748'	4,750'	3	0.34	3/13/2013	Formation:	C-Sand	D3	D1				
	4,845'	4,846'	3	0.34	3/13/2013	20/40 White:	89,895 lbs	18% HCl:	0 gals				
	4,905'	4,907'	3	0.34	3/13/2013	Pad:	529 gals	Treating Fluid:	21,357 gals				
	4,910'	4,912'	3	0.34	3/13/2013	Flush:	5,116 gals	Load to Recover:	27,002 gals				
						ISIP=	0.933 psi/ft	Max STP:	2,912 psi				
4	5,018'	5,019'	3	0.34	3/13/2013	Formation:	B2						
	5,024'	5,025'	3	0.34	3/13/2013	20/40 White:	70,961 lbs	18% HCl:	500 gals				
	5,036'	5,038'	3	0.34	3/13/2013	Pad:	1,361 gals	Treating Fluid:	17,071 gals				
	5,052'	5,054'	3	0.34	3/13/2013	Flush:	5,017 gals	Load to Recover:	23,949 gals				
						ISIP=	0.836 psi/ft	Max STP:	2,668 psi				
3	5,191'	5,192'	3	0.34	3/13/2013	Formation:	LODC	A1	A3				
	5,212'	5,214'	3	0.34	3/13/2013	20/40 White:	50,036 lbs	18% HCl:	500 gals				
	5,324'	5,328'	3	0.34	3/13/2013	Pad:	722 gals	Treating Fluid:	12,697 gals				
						Flush:	5,200 gals	Load to Recover:	19,119 gals				
					ISIP=	0.871 psi/ft	Max STP:	3,713 psi					
2	5,638'	5,640'	3	0.34	3/13/2013	Formation:	CP1	CP-Half					
	5,678'	5,681'	3	0.34	3/13/2013	20/40 White:	25,722 lbs	18% HCl:	500 gals				
						Pad:	1,092 gals	Treating Fluid:	7,735 gals				
						Flush:	5,899 gals	Load to Recover:	15,027 gals				
					ISIP=	0.751 psi/ft	Max STP:	3,481 psi					
1	5,926'	5,928'	3	0.34	3/12/2013	Formation:	CP5	CP4					
	5,946'	5,948'	3	0.34	3/12/2013	20/40 White:	88,554 lbs	18% HCl:	1,800 gals				
	5,950'	5,952'	3	0.34	3/12/2013	Pad:	5,393 gals	Treating Fluid:	23,704 gals				
						Flush:	12,020 gals	Load to Recover:	41,817 gals				
					ISIP=	0.719 psi/ft	Max STP:	3,540 psi					
CEMENT	Surf	On 2/7/13 Pro Petro cemented 8 5/8" casing w/ 175 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 8 bbls to the pit											
	Prod	On 2/21/13 Halliburton pumped 280 sks lead @ 11 ppg w/ 2.71 yield plus 465 sks tail @ 14.4 ppg w/ 1.21 yield. Returned 42 bbls to the pit. TOC @ 584'											



EOT @ 6026'; TA @ 5930'
 5-1/2" Shoe @ 6324'
 PBD @ 6299'
 TVD @ 6100'
 BHST = 190°F

MD @ 6332'

43-013-51677

NEWFIELD

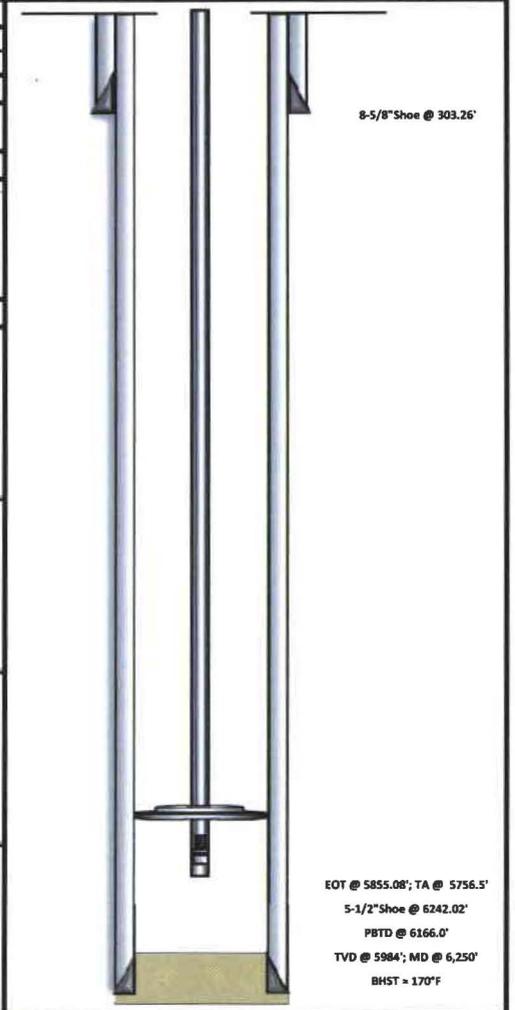


GMBU R-14-9-16

Monument Butte - Duchesne County; Utah, USA
 Surface Legal Location: SE/SW Section 14, T9S, R16E; 540' FSL & 1,674' FWL
 Elevation: 5746' GL + 13' KB
 API Number: 43-013-51677; Lease Number: UTU-096547

Sam Styles
 PFM 3/21/14
 Spud Date: 5/30/13
 PoP Date: 7/12/2013

Casing Detail	Casing	Top	Bottom	Size	Wt.	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	13'	303'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	13'	6,242'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	
Tubing Detail	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger		
	13'	5,855'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,757'		
Rod Detail	Component		Top	Bottom	Size	Grade	Length	Count	Pump				
	Polish Rod		0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5" Max ID x 1.75" Plunger RHAC @ 5786'				
	Pony Rod		30'	36'	7/8"	Tenaris D78	6	1					
	4per Guided Rod		36'	1,736'	7/8"	Tenaris D78	1700	68					
	8per Guided Rod		1,736'	5,036'	3/4"	Tenaris D78	3300	132					
8per Guided Rod		5,036'	5,786'	7/8"	Tenaris D78	750	30						
Stage	Top	Bottom	SPF	EHD	Date	Frac Summary							
4	0'	0'	2	-	-	Formation:	GB-6	GB-4					
	0'	0'	2	-	-	20/40 White:	69,120 lbs	15% HCl:	0 gals				
	0'	0'	2	-	-	Slickwater:	4,567 gals	17# Delta 140:	20,459 gals				
	4,243'	4,246'	2	0.34	7/1/2013	FG=	0.870 psi/ft	Load to Recover:	25,026 gals				
	4,251'	4,252'	2	0.34	7/1/2013			Max STP:	2,779 psi				
	4,261'	4,263'	2	0.34	7/1/2013								
3	0'	0'	2	-	-	Formation:	B-2						
	0'	0'	2	-	-	20/40 White:	55,520 lbs	15% HCl:	500 gals				
	0'	0'	2	-	-	Slickwater:	5,662 gals	17# Delta 140:	16,891 gals				
	0'	0'	2	-	-	FG=	0.840 psi/ft	Load to Recover:	23,053 gals				
	5,132'	5,134'	2	0.34	7/1/2013			Max STP:	2,764 psi				
	5,137'	5,139'	2	0.34	7/1/2013								
2	0'	0'	3	-	-	Formation:	A-3						
	0'	0'	3	-	-	20/40 White:	50,300 lbs	15% HCl:	500 gals				
	0'	0'	3	-	-	Slickwater:	5,524 gals	17# Delta 140:	15,417 gals				
	0'	0'	3	-	-	FG=	0.860 psi/ft	Load to Recover:	21,441 gals				
	0'	0'	3	-	-			Max STP:	3,047 psi				
	5,340'	5,342'	3	0.34	7/1/2013								
1	0'	0'	3	-	-	Formation:	CP-1						
	0'	0'	3	-	-	20/40 White:	30,200 lbs	15% HCl:	750 gals				
	0'	0'	3	-	-	Slickwater:	5,614 gals	17# Delta 140:	10,059 gals				
	0'	0'	3	-	-	FG=	0.760 psi/ft	Load to Recover:	16,423 gals				
	0'	0'	3	-	-			Max STP:	3,117 psi				
	5,767'	5,768'	3	0.34	7/1/2013								
5,770'	5,774'	3	0.34	7/1/2013									



CEMENT	Surf	On 5/30/13 cement w/Pro Petro w/160 sks of class G+2%kcl+ 25#CF mixed @ 15.8ppg and 1.17 yield. Returned 5bbls to pit, bump plug to 500psi
	Prod	On 6/13/13 cement production casing w/ 260 sx lead 11.0 ppg cement followed by 440 sx 14.4 ppg tail cement Bumped plug w/ 500 psi over floats held 15 bbls back to reserve pit. TOC @ 52'

Jonah Fed N-14-9-16

Spud Date: 11/10/2008
 Put on Production: 11/29/2008
 GL: 5682' KB: 5694'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (313.61')
 DEPTH LANDED: 325.46' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class 'g' g cmt

PRODUCTION CASING

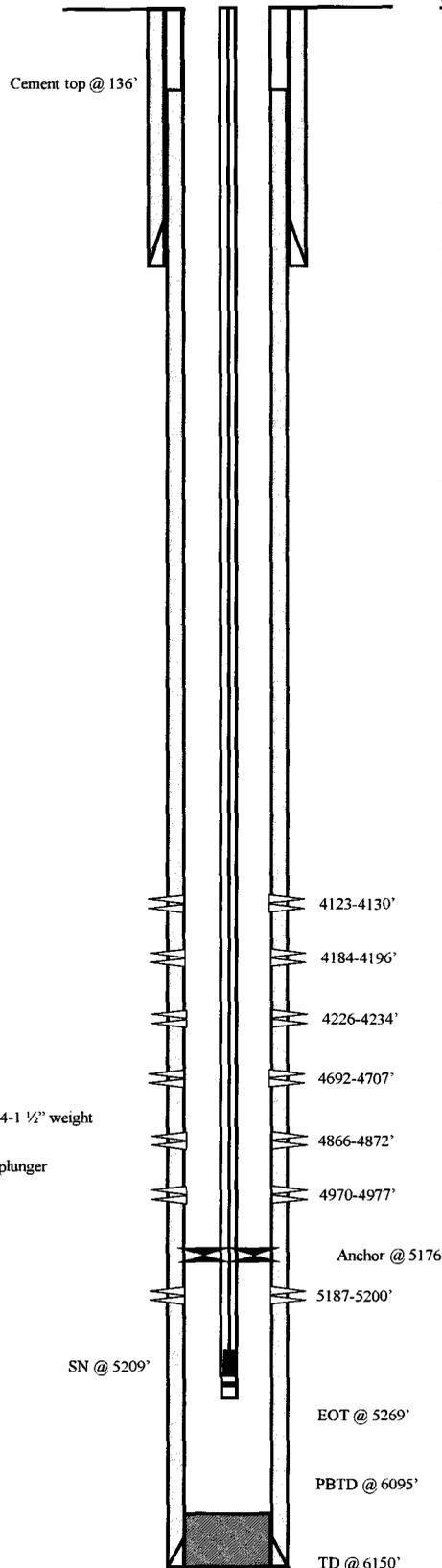
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 157 jts (6281.96')
 DEPTH LANDED: 6137.62'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 280 sx primlite and 425 sx class 'g'
 CEMENT TOP AT: 136'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 168 jts (5161.43')
 TUBING ANCHOR: 5176.13' KB
 NO. OF JOINTS: 1 jt (30.36')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5208.59' KB
 NO. OF JOINTS: 2 jts (61.36')
 TOTAL STRING LENGTH: EOT @ 5269.40'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod
 SUCKER RODS: 2', 8" x 7/8" ponies, 203-7/8" scraped rods, 4-1 1/2" weight bars
 PUMP SIZE: CDI 2 1/2" x 1 3/4" x 16" x 18" RHAC pump w/sm plunger
 STROKE LENGTH: 122"
 PUMP SPEED, SPM: 4



FRAC JOB

12/12/08 5187-5200' Frac A3 sds as follows:
 54,910# 20/40 sand in 381 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2380 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1379.

12/17/08 4970-4977' RU BJ & frac B1 sds as follows:
 24,046# 20/40 sand in 667 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2400 w/ ave rate of 22 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2107. Actual flush: 4527 gals.

12/17/08 4866-4872' RU BJ & frac stage #3 sds as follows:
 24,952# 20/40 sand in 359 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 2506 w/ ave rate of 28 bpm w/ 6 ppg of sand. Spot 6 bbls of 15% HCL acid in flush for next stage. ISIP was 1670. Actual flush: 4670 gals.

12/18/08 4692-4707' Frac D1 sds as follows:
 55,615# 20/40 sand in 492 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1705 psi @ ave rate of 22.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1924 psi. Actual flush: 4192 gals.

12/18/08 4123-4234' Frac GB sds as follows:
 65,538# 20/40 sand in 570 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1731 psi @ ave rate of 22.2 BPM. ISIP 2036 psi. Actual flush: 4036 gals.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
12/9/08	4123-4130'	4 JSPF	28 holes
12/9/08	4184-4196'	4 JSPF	48 holes
12/9/08	4226-4234'	4 JSPF	32 holes
12/9/08	4692-4707'	4 JSPF	60 holes
12/10/08	4866-4872'	4 JSPF	24 holes
12/10/08	4970-4977'	4 JSPF	56 holes
12/10/08	5187-5200'	4 JSPF	52 holes

NEWFIELD

Jonah N-14-9-16
 1823' FSL & 548' FWL
 NW/SW Section 14-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-34011 ; Lease # UTU-096547

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Pete Prodromides**

Well Name: **FEDERAL 4-23-9-16**

Lab Tech: **John Keel**

Sample Point:

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

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

Sample ID: **WA-264543**

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	1/24/2014	Sodium (Na):	8043.00	Chloride (Cl):	16000.00
System Temperature 1 (°F):	120	Potassium (K):	40.00	Sulfate (SO4):	376.00
System Pressure 1 (psig):	60	Magnesium (Mg):	8.00	Bicarbonate (HCO3):	1342.00
System Temperature 2 (°F):	210	Calcium (Ca):	11.00	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	8.30	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.014	Barium (Ba):	13.90	Propionic Acid (C2H5COO)	
pH:	8.10	Iron (Fe):	264.00	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	26109.53	Zinc (Zn):	0.60	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.03	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	2.70	Silica (SiO2):	
H2S in Water (mg/L):	5.00				

Notes:

Al=0.4 Li=1.7 B=8

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.88	8.10	1.37	7.92	4.54	4.54	4.21	191.68	0.00	0.00	0.00	0.00	0.00	0.00	8.58	0.31
200.00	60.00	0.83	7.89	1.39	7.93	4.53	4.54	4.17	191.63	0.00	0.00	0.00	0.00	0.00	0.00	8.66	0.31
190.00	60.00	0.77	7.67	1.41	7.95	4.52	4.54	4.12	191.56	0.00	0.00	0.00	0.00	0.00	0.00	8.75	0.31
180.00	60.00	0.72	7.44	1.44	7.97	4.51	4.54	4.07	191.48	0.00	0.00	0.00	0.00	0.00	0.00	8.85	0.31
170.00	60.00	0.68	7.19	1.47	7.99	4.51	4.54	4.02	191.38	0.00	0.00	0.00	0.00	0.00	0.00	8.95	0.31
160.00	60.00	0.63	6.92	1.50	8.01	4.52	4.54	3.97	191.26	0.00	0.00	0.00	0.00	0.00	0.00	9.06	0.31
150.00	60.00	0.59	6.64	1.54	8.04	4.53	4.54	3.91	191.12	0.00	0.00	0.00	0.00	0.00	0.00	9.18	0.31
140.00	60.00	0.55	6.35	1.59	8.06	4.55	4.54	3.86	190.95	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.31
130.00	60.00	0.51	6.06	1.64	8.09	4.58	4.54	3.80	190.74	0.00	0.00	0.00	0.00	0.00	0.00	9.44	0.31
120.00	60.00	0.47	5.76	1.70	8.11	4.61	4.54	3.75	190.49	0.00	0.00	0.00	0.00	0.00	0.00	9.58	0.31

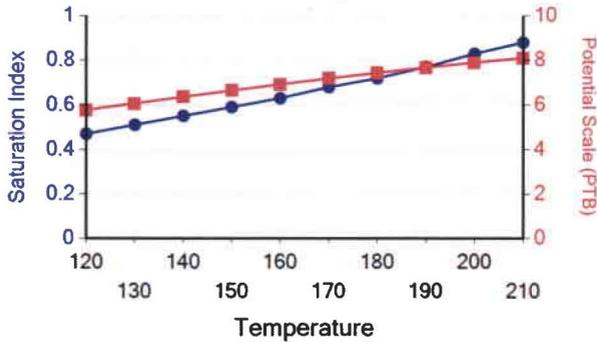
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.39	8.35	0.01	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.39	8.50	0.01	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.39	8.66	0.01	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.38	8.83	0.01	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.38	9.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.37	9.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.36	9.40	0.01	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.35	9.62	0.01	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.33	9.85	0.01	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.31	10.10	0.01	0.00	0.00	0.00	0.00	0.00	0.00

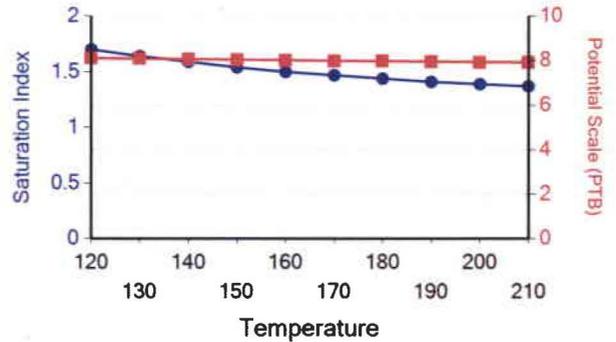
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

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

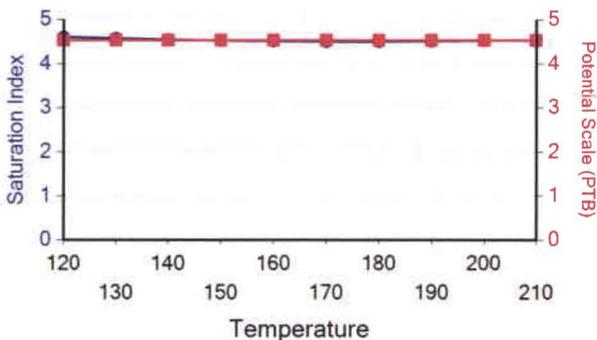
Calcium Carbonate



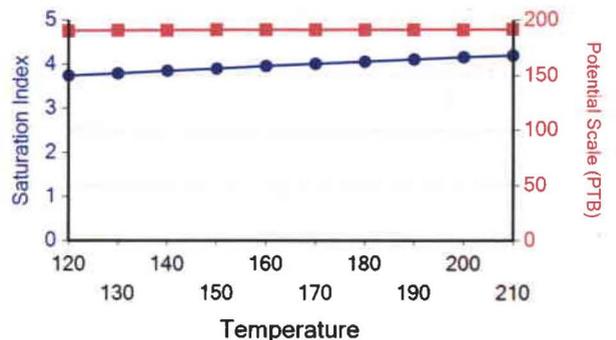
Barium Sulfate



Iron Sulfide

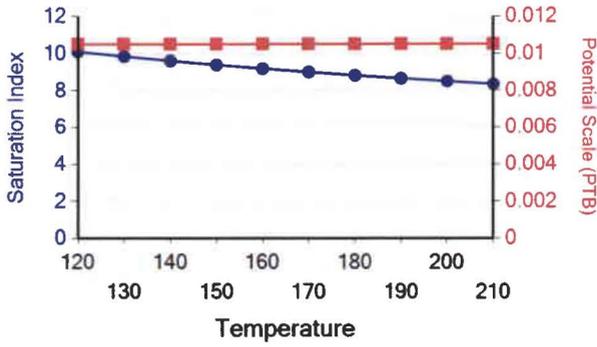


Iron Carbonate

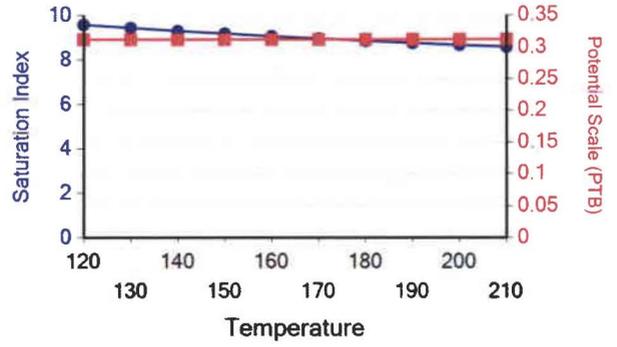


Water Analysis Report

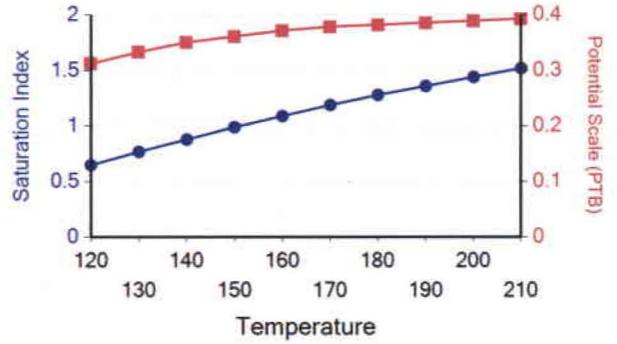
Lead Sulfide



Zinc Sulfide



Zinc Carbonate



Units of Measurement: **Standard**

Water Analysis Report

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

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

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/11/2013	Sodium (Na):	2661.00	Chloride (Cl):	5000.00
System Temperature 1 (°F):	300	Potassium (K):	34.00	Sulfate (SO4):	266.00
System Pressure 1 (psig):	1300	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1654.00
System Temperature 2 (°F):	70	Calcium (Ca):	46.00	Carbonate (CO3):	
System Pressure 2 (psig):	15	Strontium (Sr):	4.90	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.004	Barium (Ba):	3.90	Propionic Acid (C2H5COO)	
pH:	8.30	Iron (Fe):	1.23	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	9712.71	Zinc (Zn):	0.33	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.08	Fluoride (F):	
Dissolved CO2 (mg/L):	224.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.36	Silica (SiO2):	16.91
H2S in Water (mg/L):	9.00				

Notes:

B=4.9 A=07 L=58

(PTB = Pounds per Thousand Barrels)

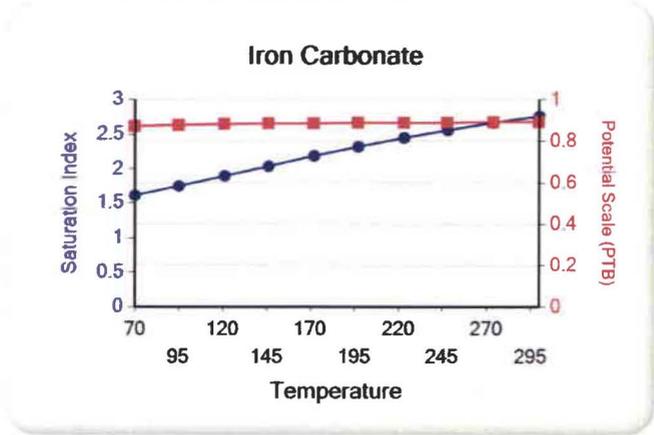
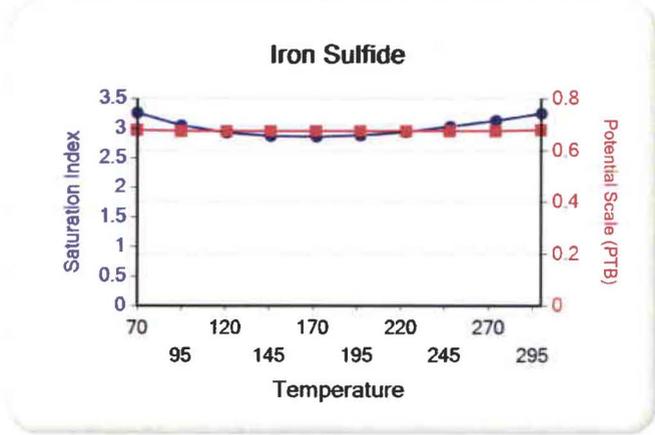
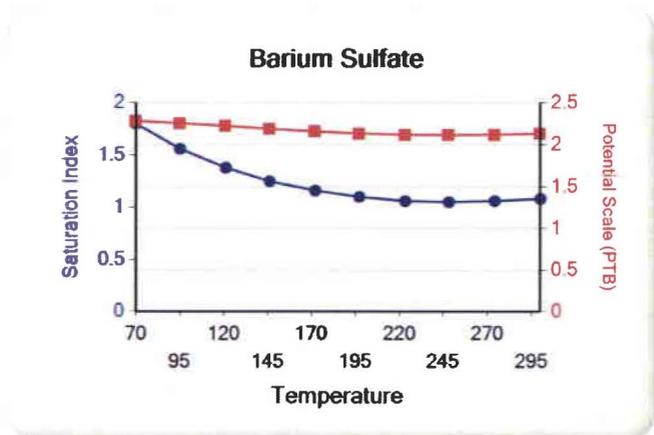
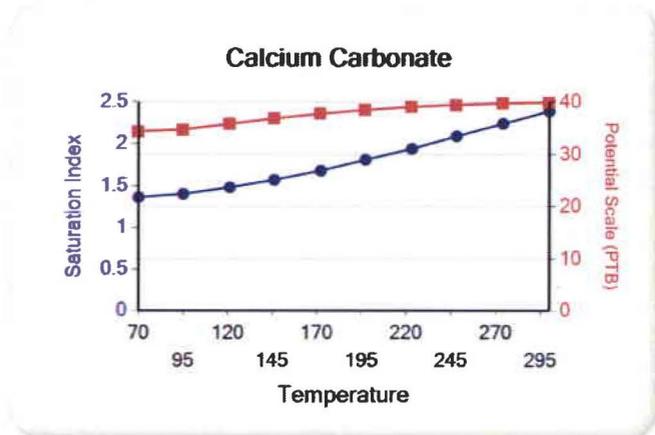
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	1.36	34.40	1.80	2.29	3.26	0.68	1.61	0.87	0.00	0.00	0.00	0.00	0.00	0.00	10.92	0.17
95.00	157.00	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 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
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

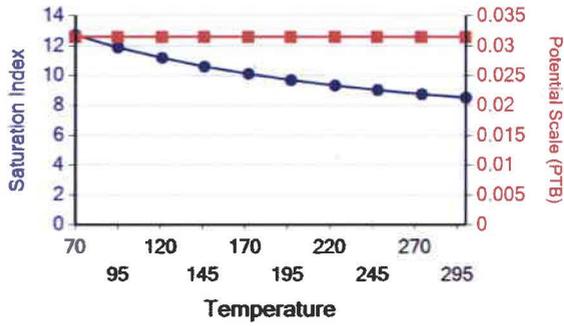
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate

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

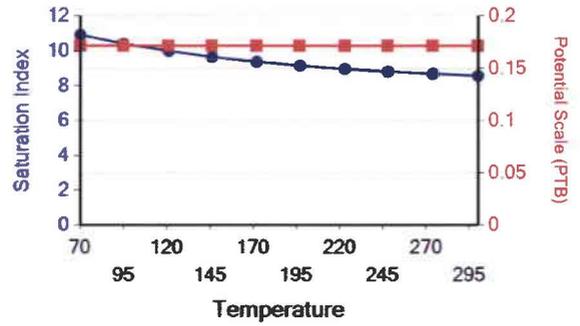


Water Analysis Report

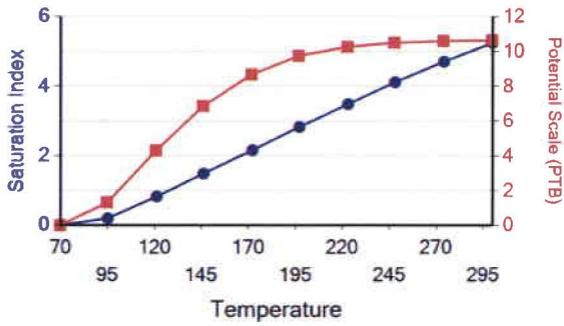
Lead Sulfide



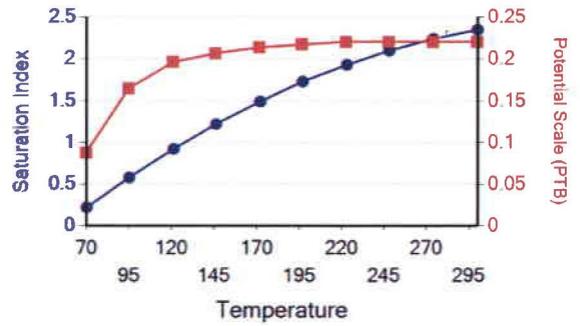
Zinc Sulfide



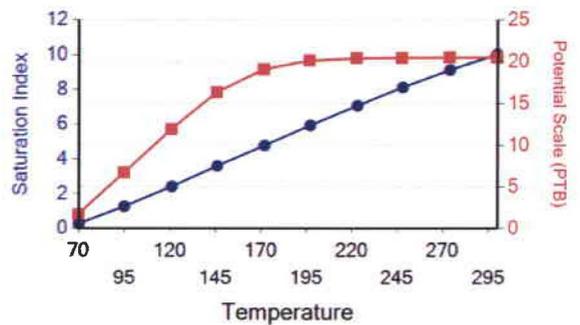
Ca Mg Silicate



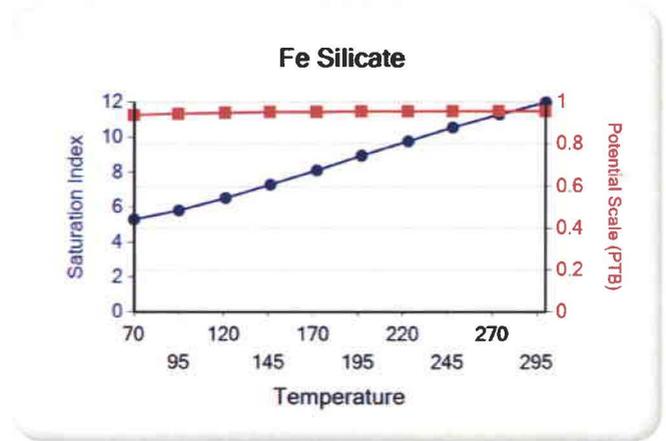
Zinc Carbonate



Mg Silicate



Water Analysis Report



Attachment "G"

**Federal #4-23-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5547	5562	5555	1970	0.79	1934
5429	5440	5435	1840	0.77	1805
4940	4972	4956	2105	0.86	2073
4788	4797	4793	1945	0.84	1914
4506	4512	4509	1825	0.84	1796 ←
4014	4022	4018	1880	0.90	1854
				Minimum	<u><u>1796</u></u>

Calculation of Maximum Surface Injection Pressure

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

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

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

Daily Activity Report

Format For Sundry

FEDERAL 4-23-9-16

1/1/2008 To 5/30/2008

2/28/2008 Day: 1

Completion

Rigless on 2/27/2008 - 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 @ 5609' & cement top @ 134'. Perforate stage #1, CP4 sds @ 5547-62' w/ 3-1/8" Slick Guns (19 gram, .49"EH. 120°) w/ 4 spf for total of 60 shots. 136 BWTR. SWIFN.

3/1/2008 Day: 2

Completion

Rigless on 2/29/2008 - Stage #1, CP4 sands. RU BJ Services. 0 psi on well. Frac CP4 sds w/ 40,523#'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Broke @ 3029 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1786 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1970 psi. Leave pressure on well. 570 BWTR Stage #2, CP2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 11' perf gun. Set plug @ 5510'. Perforate CP2 sds @ 5429-40' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. BJ's pump truck broke down (Wait a total of 3 hr & 45 mins to get replacement pump out of town) RU BJ Services. 1330 psi on well. Frac CP2 sds w/ 20,386#'s of 20/40 sand in 333 bbls of Lightning 17 fluid. Broke @ 3860 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1963 psi @ ave rate of 25 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1840 psi. Leave pressure on well. 903 BWTR Stage #3, A1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 32' perf gun. Set plug @ 5070'. Perforate A1 sds @ 4940-72' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 128 shots (2 runs). RU BJ Services. 1580 psi on well. Frac A1 sds w/ 120,556#'s of 20/40 sand in 869 bbls of Lightning 17 fluid. Broke @ 3475 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1845 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2105 psi. Leave pressure on well. 1772 BWTR Stage #4, B2 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 9' perf gun. Set plug @ 4900'. Perforate B2 sds @ 4788-97' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. RU BJ Services. 1820 psi on well. Frac B2 sds w/ 50,665#'s of 20/40 sand in 450 bbls of Lightning 17 fluid. Broke @ 3956 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1990 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1945 psi. Leave pressure on well. 2222 BWTR Stage #5, D1 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4506-12' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. 1570 psi on well. Frac D1 sds w/ 15,200#'s of 20/40 sand in 259 bbls of Lightning 17 fluid. Broke @ 3412 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1942 psi @ ave rate of 24.3 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1825 psi. Leave pressure on well. 2481 BWTR Stage #6, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 8' perf gun. Set plug @ 4120'. Perforate GB6 sds @ 4014-22' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1470 psi on well. Frac GB6 sds w/ 40,122#'s of 20/40 sand in 384 bbls of Lightning 17 fluid. Broke @ 3288 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2036 psi @ ave rate of 24.3 BPM. ISIP 1880 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 4 hrs & died. Rec. 240 BTF. SIWFN w/ 2625 BWTR

3/5/2008 Day: 3

Completion

Western #2 on 3/4/2008 - MIRU Western #2. 125 psi on well. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, bit sub & 124 jts of 2 7/8" J-55 tbg. EOT @ 3909'. RU Nabors power swivel & pump & lines. Wait on wtr for 2 1/2 hrs. SIWFN w/ 2610 BWTR.

3/6/2008 Day: 4

Completion

Western #2 on 3/5/2008 - 0 psi on well. Continue Talley, PU & RIH w/ 2 7/8" J-55 tbg. Tagged fill @ 4042'. RU Nabors power swivel. Drill out plugs & circulate sand as follows: Sand @ 4042', Plug @ 4120' (Drilled up in 7 mins), Blew O-ring on power swivel. Change out power swivel. Continue to drill out plugs. Sand @ 4522', Plug @ 4610' (Drilled up in 16 mins), Tagged sand @ 4795', Plug @ 4900' (Drilled out in 10 mins), Tagged sand @ 4993', Plug @ 5070' (Drilled out in 14 min). Circulate well clean w/ EOT @ 5073'. SIWFN w/ 2975 BWTR.

3/7/2008 Day: 5

Completion

Western #2 on 3/6/2008 - Well on vacuum. Continue PU & RIH w/ bit and 2 7/8" J-55 tbg f/ 5073'. Tagged fill @ 5431'. RU Nabors power swivel. Took 55 BW to gain circulation. C/O sd to plug @ 5510'. Drill out plug in 11 minutes. Con't swivelling jts in hole. Tagged fill @ 5552'. C/O to 5654'. Hard, torquey drilling W/ no hole gained. Lack 53' f/ est FC depth of 5707'. Circ hole clean. Lost add'l 125 BW during cleanout. LD 2 jts of tbg to place EOT @ 5571'. RU swab equipment. IFL @ sfc. Made 14 runs. Rec 128 BTF. FFL @ 2600'. Trace of oil, No sand & light gas. RD swab. SIWFN w/ est 3027 BWTR. **Using HO trk for additional pump rate due to poor circulation**

3/8/2008 Day: 6

Completion

Western #2 on 3/7/2008 - Bleed gas off well. TIH W/ bit & tbg f/ 5571'. Tag sd @ 5649' (5' new fill). Tee HO trk into pumpline. C/O sd to 5654'. Circ hole clean. Lost est 40 BW. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 1 jt tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 175 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Work at setting TA W/ various techniques--no success. NU BOP. TOH W/ tbg. Found TA locked up. MU new TA & TIH W/ production tbg. ND BOP. Set TA @ 5519' W/ SN @ 5553' & EOT @ 5586'. Land tbg W/ 16,000# tension. NU wellhead. RU & flush tbg W/ 60 BW (returned 40 bbls). PU & TIH W/ pump and "A" grade rod string to 1650'. PU polished rod & SIFN. Est 3087 BWTR.

3/11/2008 Day: 7

Completion

Western #2 on 3/10/2008 - Bleed gas off well. LD polished rod. Con't PU & TIH W/ pump and "A" grade rod string f/ 1650' (complete as follows): new CDI 2 1/2" X 1 1/2" X 15.5' RHAC pump, 6-1 1/2" weight rods, 20-3/4" scraped rods, 95-3/4" plain rods, 100-3/4" scraped rods, 1-6', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 5 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RD MOSU. Est 3092 BWTR. Place well on production @ 10:30 AM 3/10/2008 W/ 86" SL @ 4 SPM. FINAL REPORT!!

Pertinent Files: Go to File List

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3964'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx 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 374'

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

Federal 4-23-9-16

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

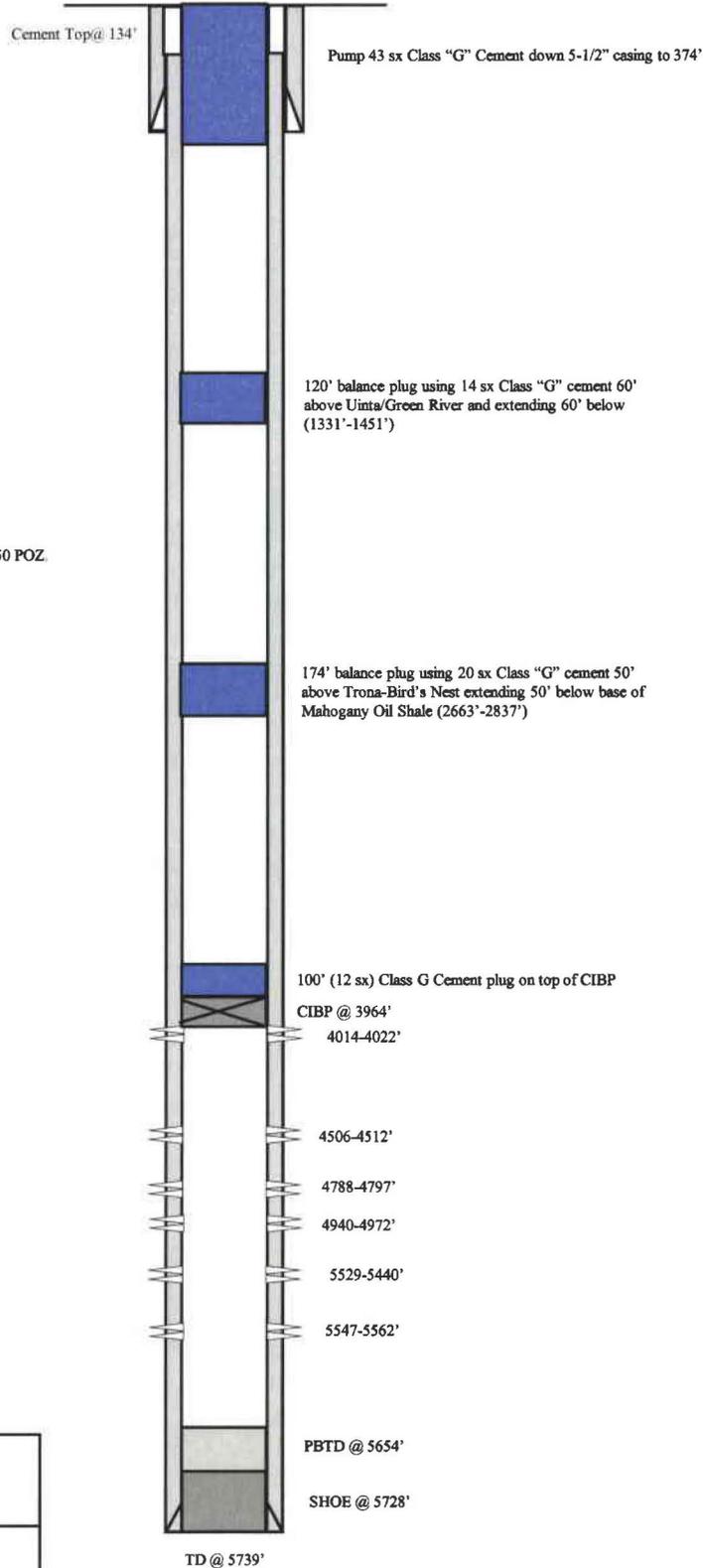
SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (312.55')
 DEPTH LANDED: 324.40'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

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

Proposed P & A Wellbore Diagram



NEWFIELD

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