

NEWFIELD



December 6, 2005

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

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

Dear Diana:

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

Sincerely,

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

Mandie Crozier
Regulatory Specialist

mc
enclosures

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-15855

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

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

8. Lease Name and Well No.
Federal 1-23-9-16

9. API Well No.
43-013-33002

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NE/NE Sec. 23, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NE/NE 632' FNL 472' FEL 578665X 40.021980
At proposed prod. zone 4430394Y -110.078169

14. Distance in miles and direction from nearest town or post office*
Approximatley 18.2 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 632' f/lse, NA' f/unit

16. No. of Acres in lease
1200.00

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1321'

19. Proposed Depth
5725'

20. BLM/BIA Bond No. on file
UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5651' GL

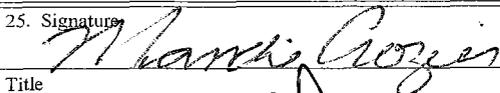
22. Approximate date work will start*
1st Quarter 2006

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

24. Attachments

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

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

25. Signature  Name (Printed/Typed) Mandie Crozier Date 12/6/05

Title Regulatory Specialist

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

Title Office ENVIRONMENTAL SCIENTIST III

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

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

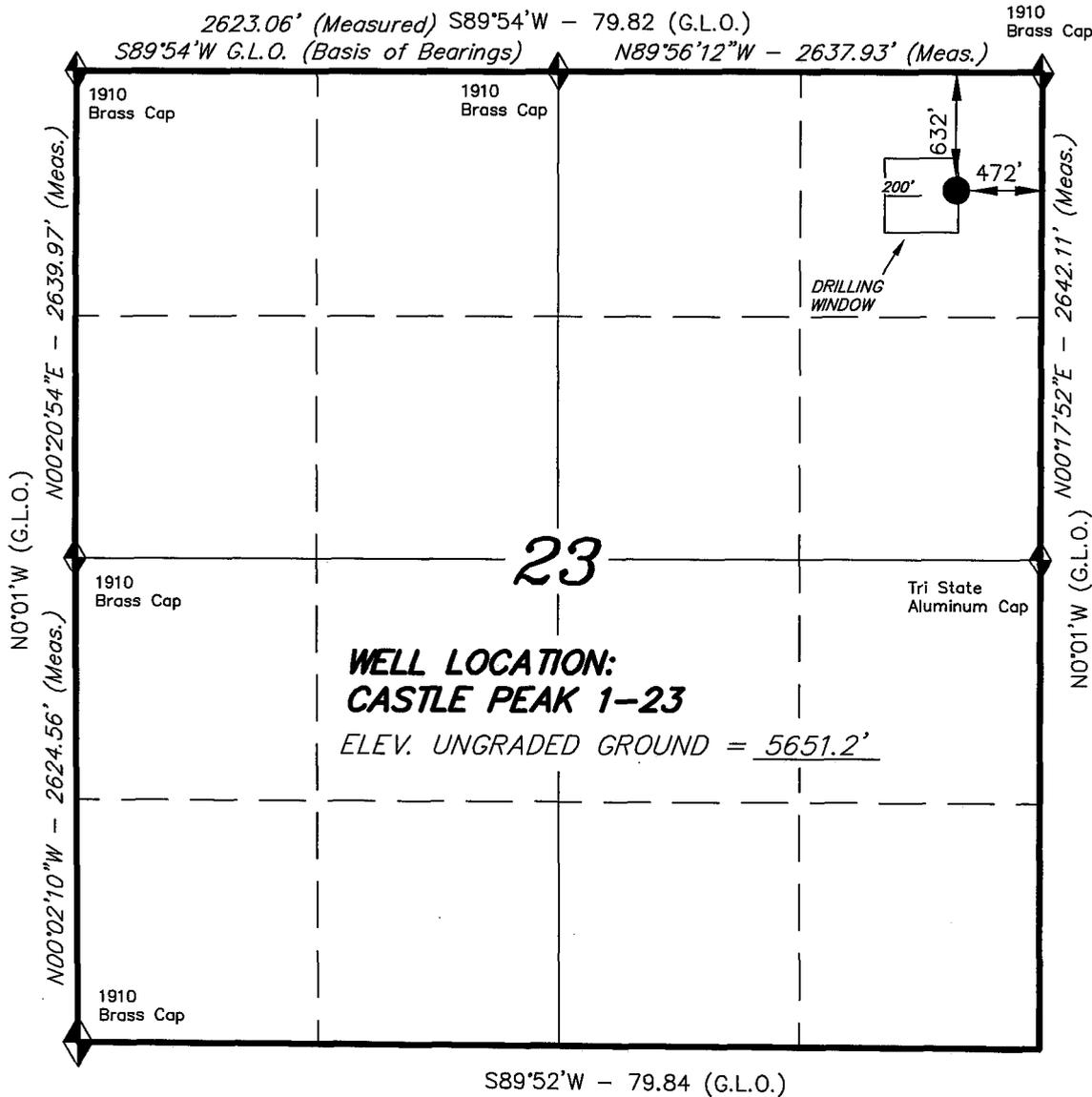
*(Instructions on reverse)

**Federal Approval of this
Action is Necessary**

DEC 08 2005
BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF OIL, GAS & MINING

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

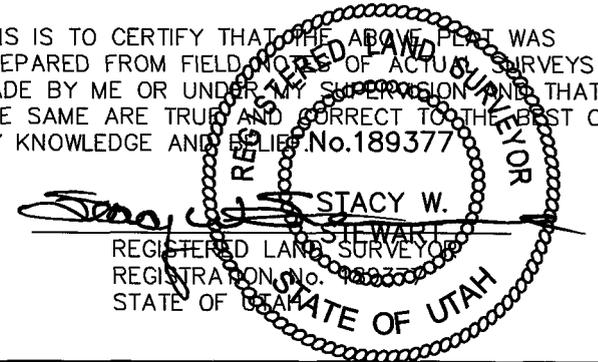
NEWFIELD PRODUCTION COMPANY



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



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



◆ = SECTION CORNERS LOCATED

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

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

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 11-16-05

DRAWN BY: F.T.M.

NOTES:

FILE #

NEWFIELD PRODUCTION COMPANY
FEDERAL #1-23-9-16
NE/NE 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' - 2360'
Green River	2360'
Wasatch	5725'

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

Green River Formation 2360' - 5725' - 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 #1-23-9-16
NE/NE 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 #1-23-9-16 located in the NE 1/4 NE 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 along Hwy 53 - 11.7 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 4.6 miles \pm to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,495' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

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

For the Federal #1-23-9-16 Newfield Production Company requests 1495' of disturbed area be granted in Least UTU-15855 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 1495' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 1495' of disturbed area be granted in Lease UTU-15855 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest

until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

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

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

Crested Wheatgrass	<i>Agropyron Cristatum</i>	12 lbs/acre
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Details of the On-Site Inspection

The proposed Federal #1-23-9-16 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

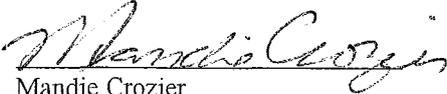
Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-23-9-16 NE/NE 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 Hartford Accident #4488944.

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

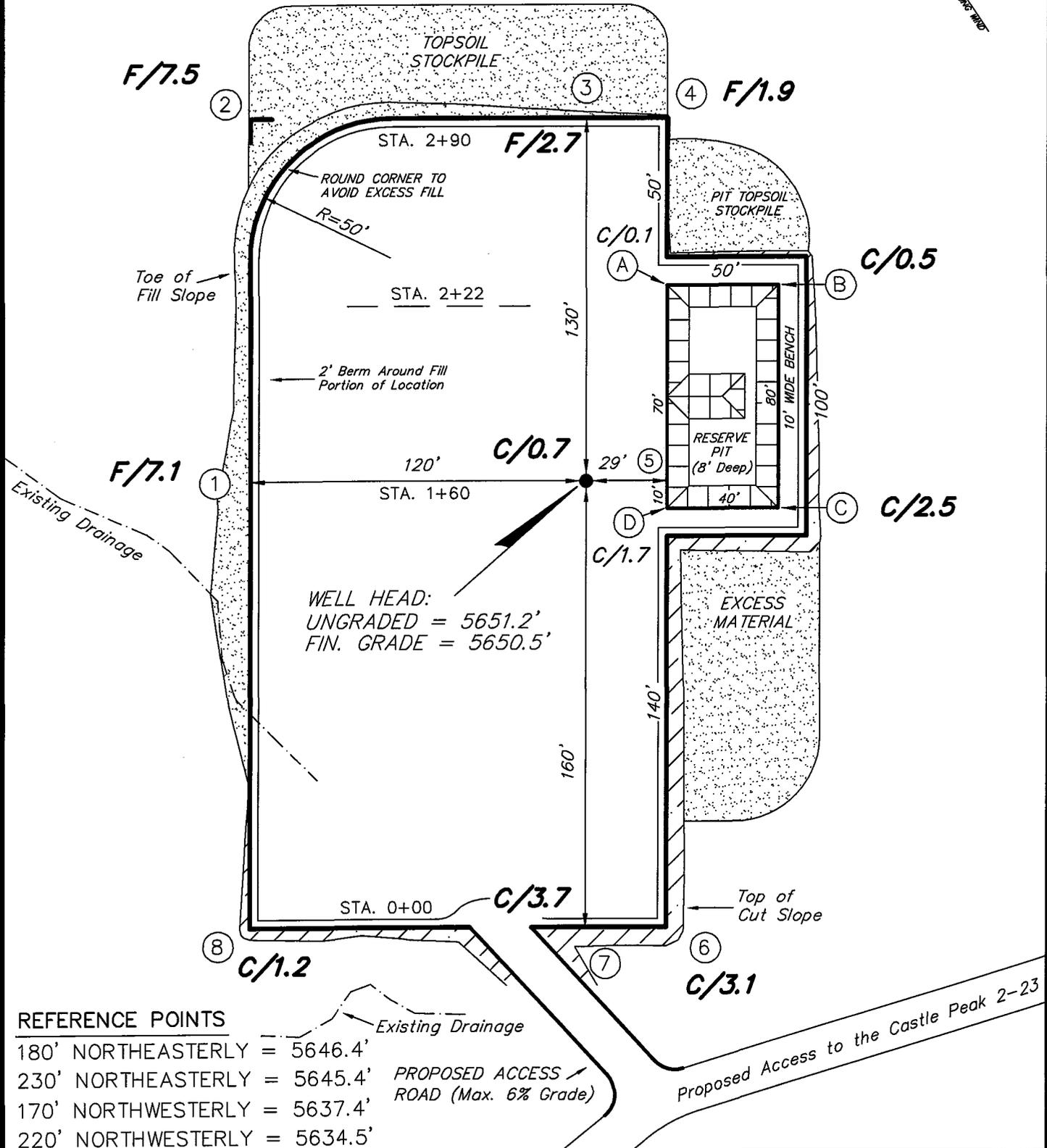
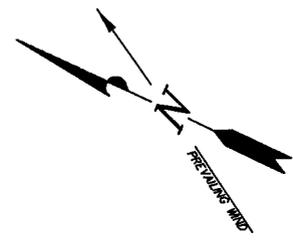
10/6/05
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

CASTLE PEAK 1-23

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



REFERENCE POINTS

- 180' NORTHEASTERLY = 5646.4'
- 230' NORTHEASTERLY = 5645.4'
- 170' NORTHWESTERLY = 5637.4'
- 220' NORTHWESTERLY = 5634.5'

PROPOSED ACCESS ROAD (Max. 6% Grade)

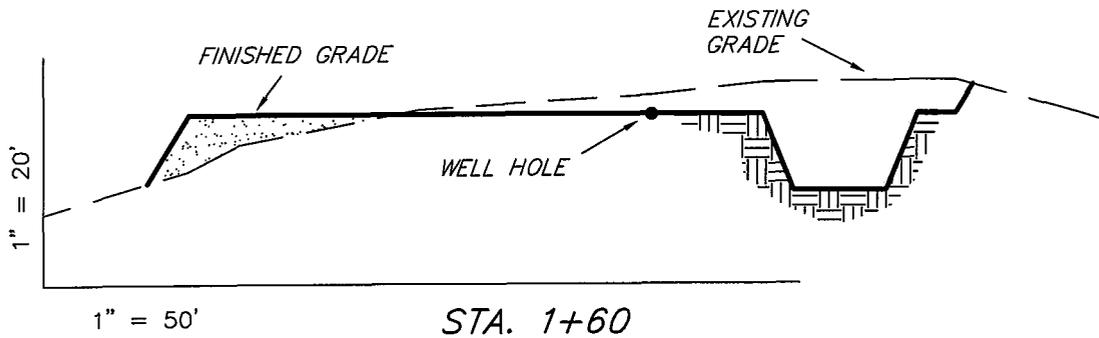
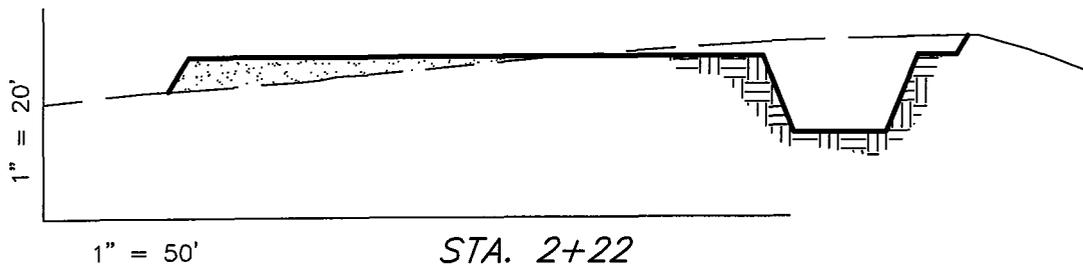
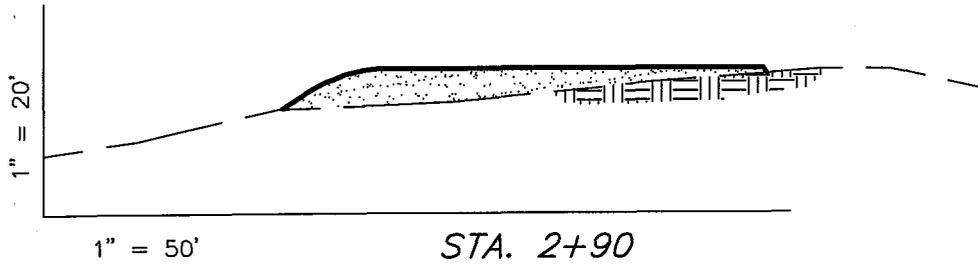
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 11-16-05

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

CASTLE PEAK 1-23



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,010	2,000	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	2,650	2,000	980	650

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

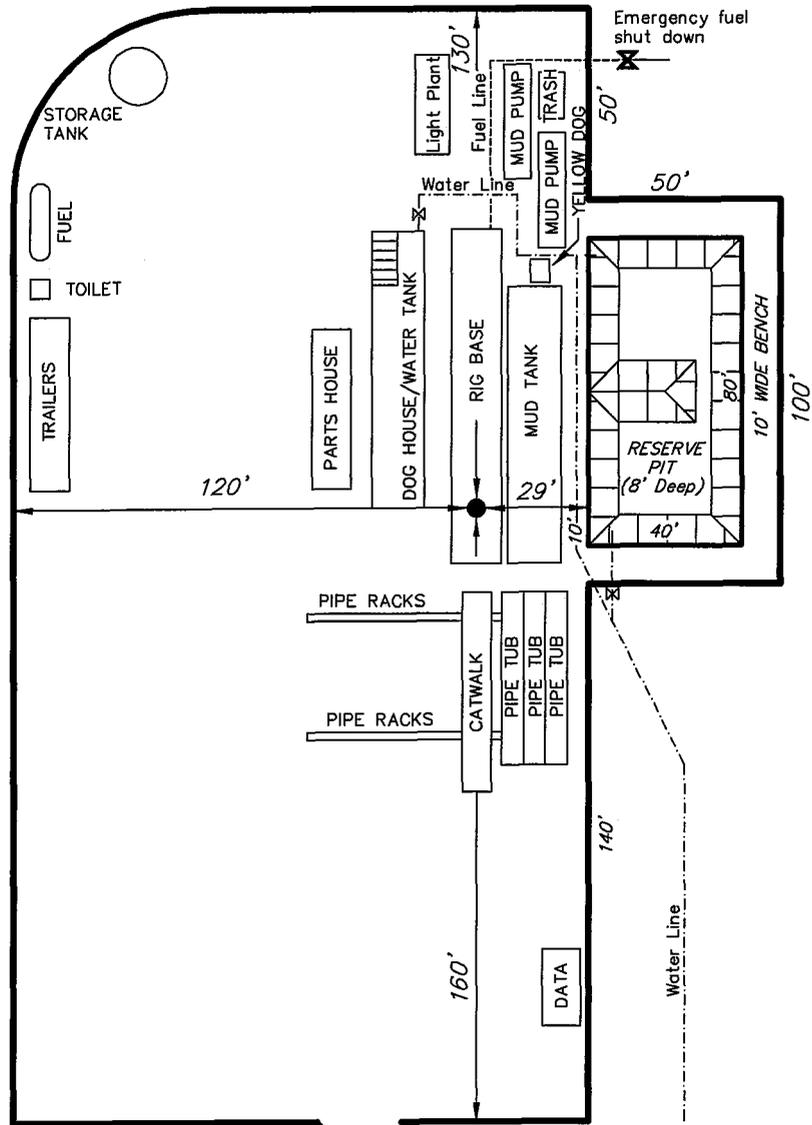
DATE: 11-16-05

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
CASTLE PEAK 1-23



PROPOSED ACCESS ROAD (Max. 6% Grade)

Proposed Access to the Castle Peak 2-23

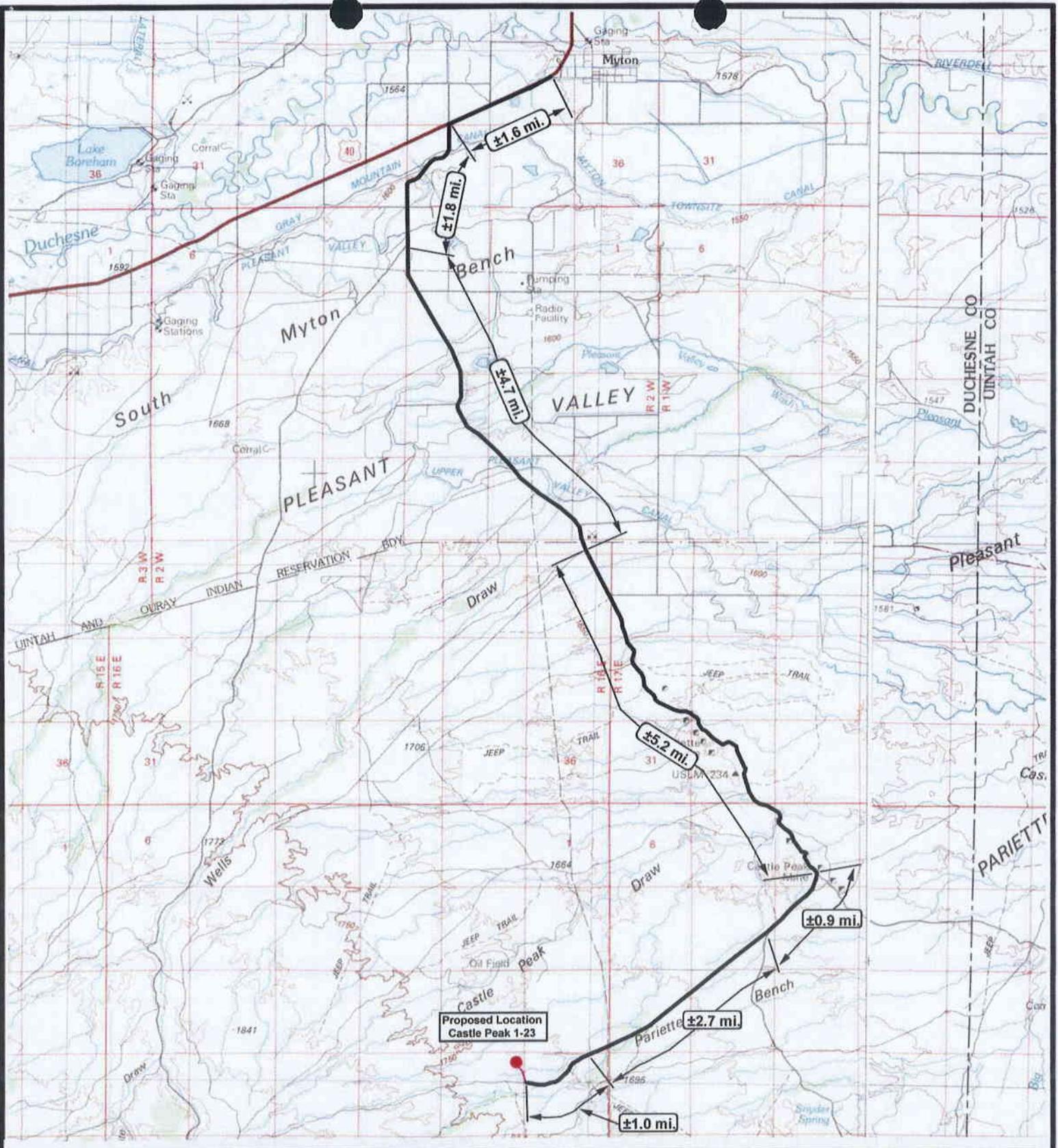
SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 11-16-05

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



NEWFIELD
Exploration Company

Castle Peak 1-23-9-16
SEC. 23, T9S, R16E, S.L.B.&M.



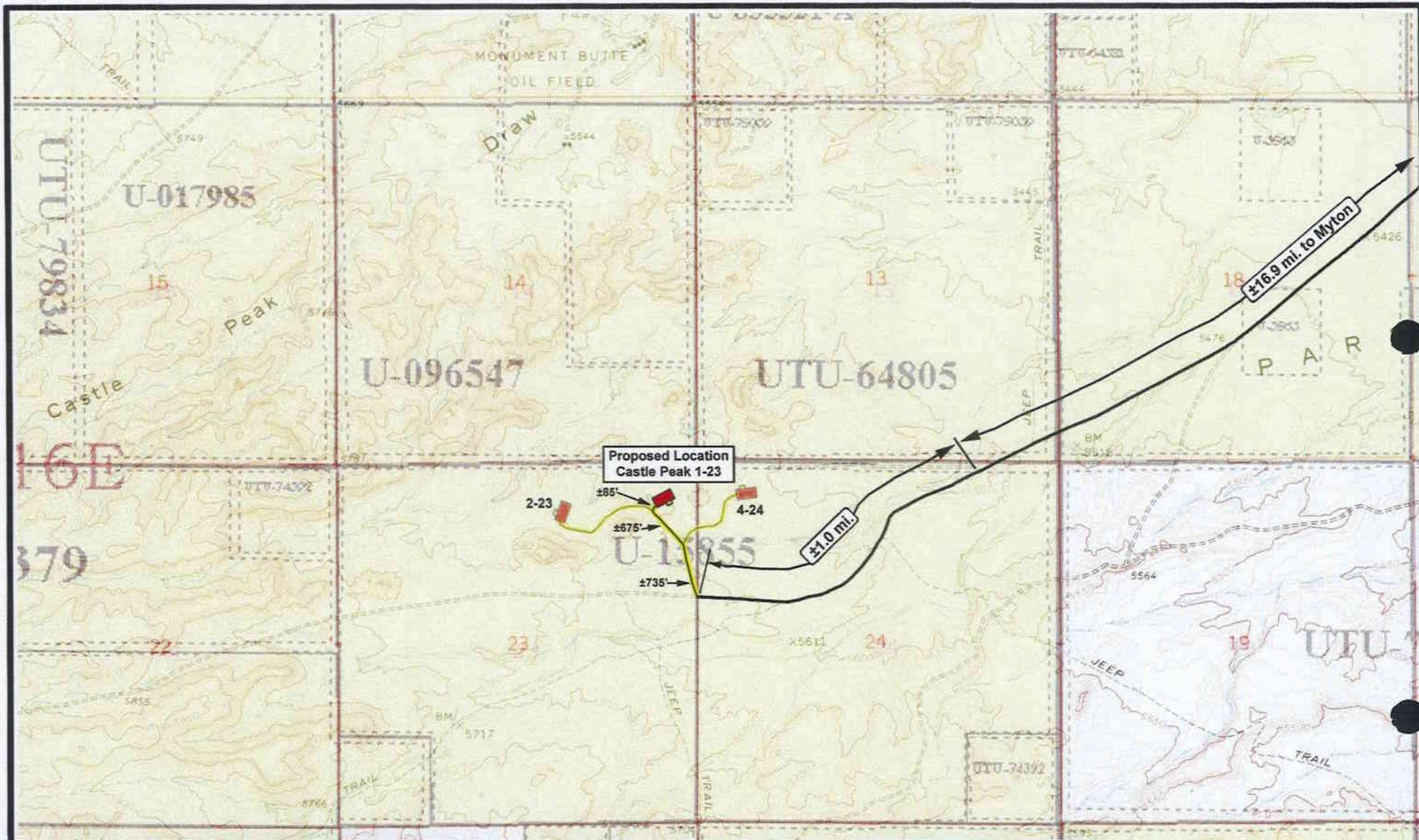
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

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

Legend

— Existing Road
— Proposed Access

TOPOGRAPHIC MAP
"A"




NEWFIELD
Exploration Company

Castle Peak 1-23-9-16
SEC. 23, T9S, R16E, S.L.B.&M.




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

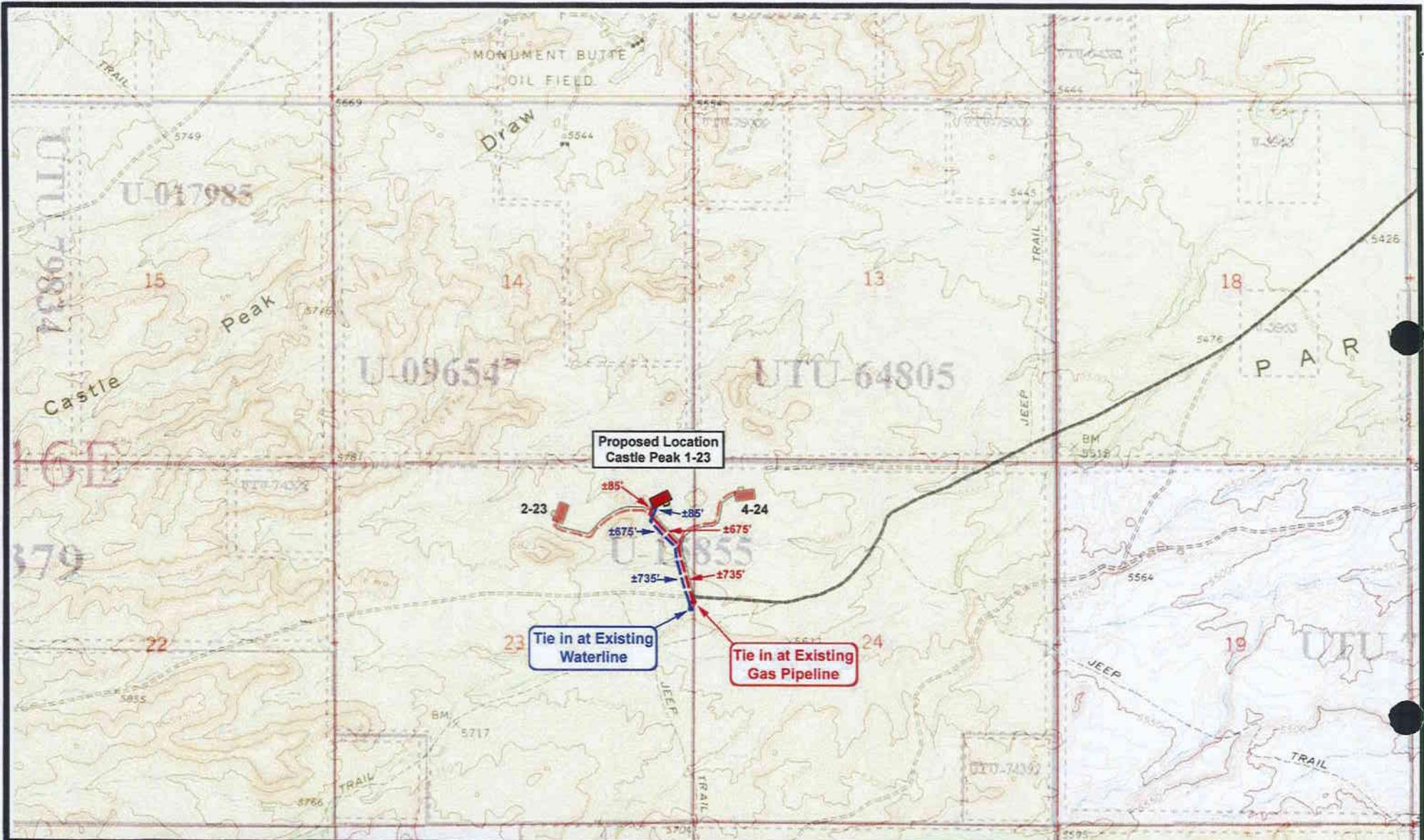
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-17-2005

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP
"B"





NEWFIELD
Exploration Company

Castle Peak 1-23-9-16
SEC. 23, T9S, R16E, S.L.B.&M.



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Land Surveying Inc.
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180 North Vernal Ave. Vernal, Utah 84078

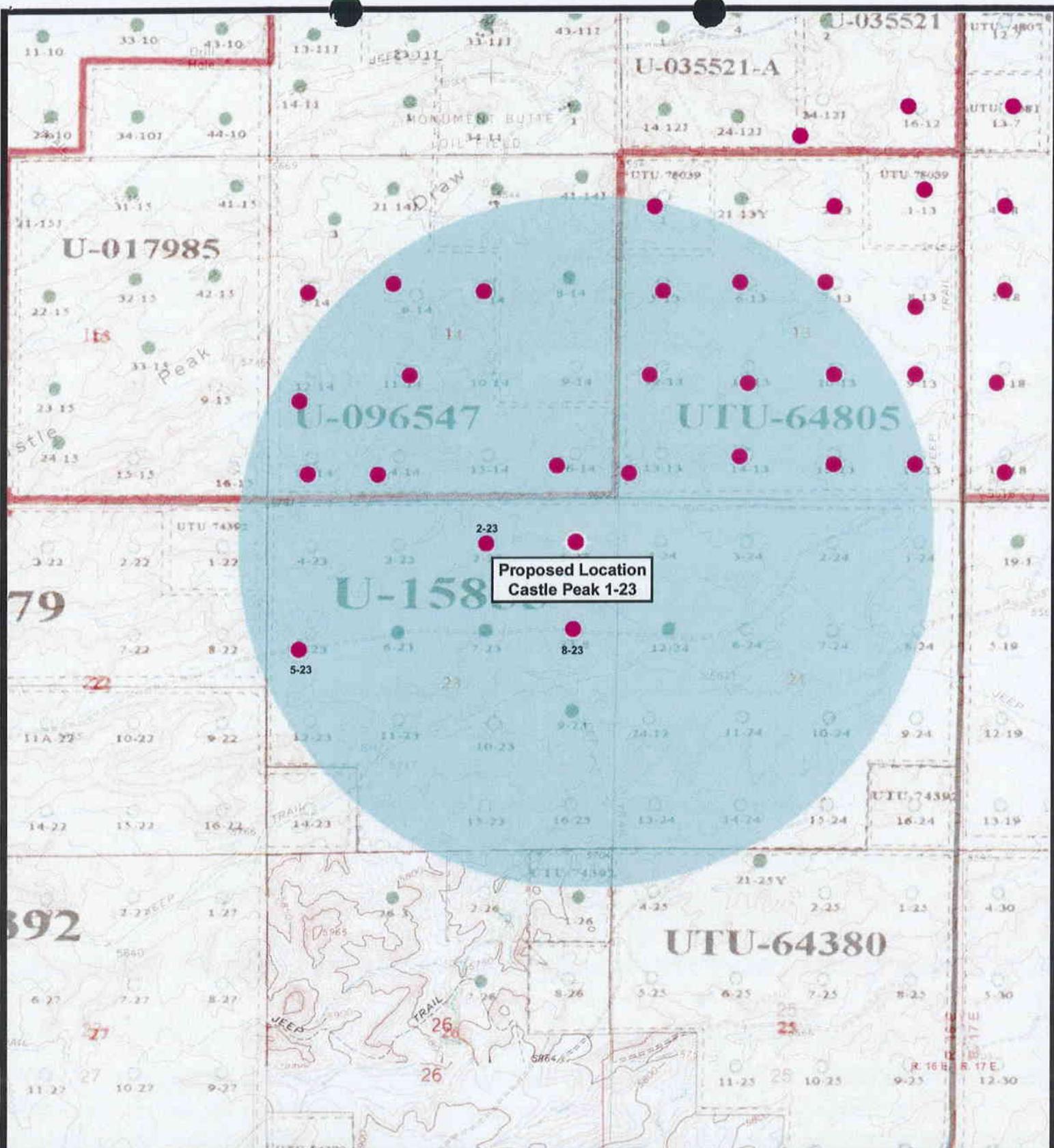
SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 11-17-2005

Legend	
	Roads
	Proposed Gas Line
	Proposed Water Line

"C"



Proposed Location
Castle Peak 1-23



NEWFIELD
Exploration Company

Castle Peak 1-23-9-16
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: 11-17-2005

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

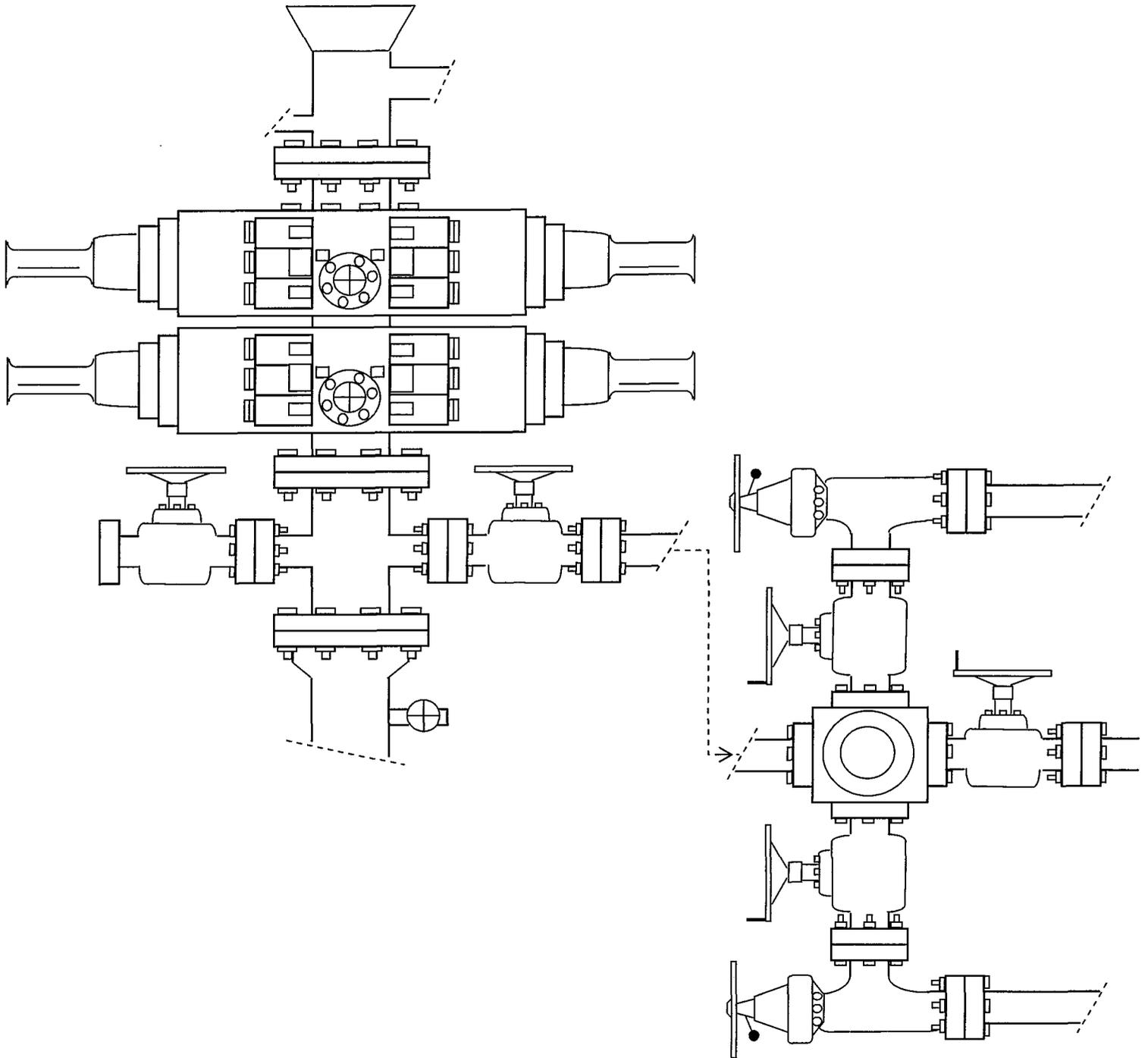


EXHIBIT C

Exhibit "D"

Page 1 of 2

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

By:

Andre' Jendresen
and
Keith Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 05-270

September 7, 2005

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

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

NEWFIELD PRODUCTION COMPANY

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

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

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
September 28, 2005

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/08/2005

API NO. ASSIGNED: 43-013-33002

WELL NAME: FEDERAL 1-23-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 23 090S 160E
 SURFACE: 0632 FNL 0472 FEL
 BOTTOM: 0632 FNL 0472 FEL
 DUCHESNE
 MONUMENT BUTTE (105)

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

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

LATITUDE: 40.02198
 LONGITUDE: -110.0782

RECEIVED AND/OR REVIEWED:

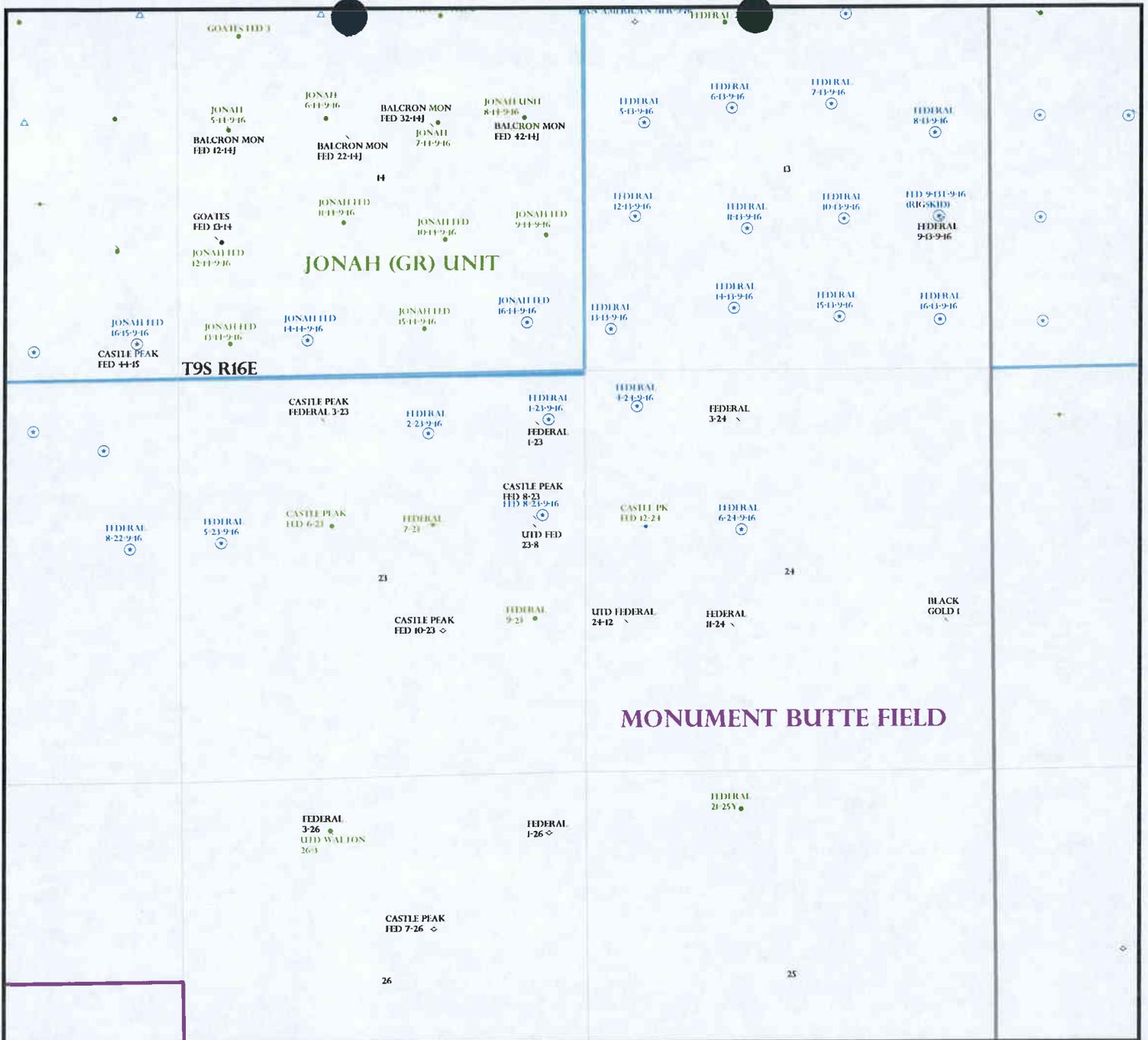
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT0056)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: Sep, Sept 06

STIPULATIONS: 1-Federal Approval
2-Spacing W's



OPERATOR: NEWFIELD PROD CO (N2695)

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

FIELD: MONUMENT BUTTE (105)

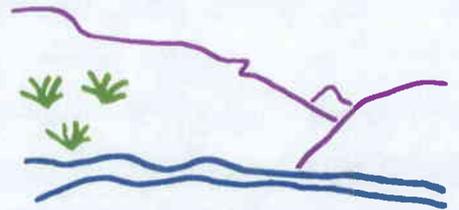
COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

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

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

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



Utah Oil Gas and Mining



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



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

December 12, 2005

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

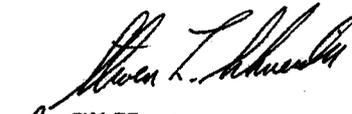
Re: Federal 1-23-9-16 Well, 632' FNL, 472' FEL, NE NE, Sec. 23, T. 9 South,
R. 16 East, Duchesne County, Utah

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 43-013-33002.

Sincerely,


for Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company
Well Name & Number Federal 1-23-9-16
API Number: 43-013-33002
Lease: UTU-15855

Location: NE NE 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

DEC 07 2005

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No. UTU-15855	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. N/A	
8. Lease Name and Well No. Federal 1-23-9-16	
9. API Well No. 43-013-33002	
10. Field and Pool, or Exploratory Monument Butte	11. Sec., T., R., M., or Blk. and Survey or Area NE/NE Sec. 23, T9S R16E
12. County or Parish Duchesne	13. State UT
14. Distance in miles and direction from nearest town or post office* Approximatley 18.2 miles southwest of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 632' f/lse, NA' f/unit	16. No. of Acres in lease 1200.00
17. Spacing Unit dedicated to this well 40 Acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1321'
19. Proposed Depth 5725'	20. BLM/BLA Bond No. on file UT0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5651' GL	22. Approximate date work will start* 1st Quarter 2006
23. Estimated duration Approximately seven (7) days from spud to rig release.	

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 12/6/05
Title Regulatory Specialist		

Approved by (Signature) <i>Jerry Keveka</i>	Name (Printed/Typed) JERRY KEVEKA	Date 9-8-2006
Title Assistant Field Manager Lands & Mineral Resources		

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

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

SEP 15 2006

DIV. OF OIL, GAS & MINING



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Federal 1-23-9-16
API No: 43-013- 33002

Location: NENE, Sec 23, T9S, R16E
Lease No: UTU-15855
Agreement: N/A

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

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

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

NOTIFICATION REQUIREMENTS

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

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

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

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

Interim Reclamation Seed Mix for location:

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

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

DOWNHOLE CONDITIONS OF APPROVAL

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

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

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

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

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No. UTU-15855
6. If Indian, Allottee or Tribe Name NA
7. If Unit or CA, Agreement Designation N/A
8. Well Name and No. FEDERAL 1-23-9-16
9. API Well No. 43-013-33002
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)
632 FNL 472 FEL NE/NE Section 23, T9S R16E

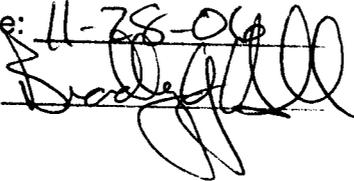
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Permit Extension
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 12/12/05 (expiration 12/12/06).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-28-06
By: 

SENT TO OPERATOR
11-30-06
RM

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

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

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

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

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

API: 43-013-33002
Well Name: Federal 1-23-9-16
Location: NE/NE Section 23, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 12/12/2005

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

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

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

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

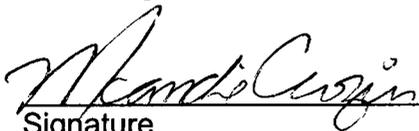
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

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

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

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

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


Signature

11/27/2006
Date

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

Title: Regulatory Specialist

Representing: Newfield Production Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
FEDERAL FIELD OFFICE
2007 SEP 11 PM 1:23
BUREAU OF LAND MGMT

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

FEDERAL 1-23-9-16

9. API Well No.

43-013-33002

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

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

632 FNL 472 FEL NE/NE Section 23, T9S R16E

11. County or Parish, State

DUCHESNE COUNTY, UT.

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Permit Extension**
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-ally 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 9/8/06 (expiration 9/8/07).

CONDITIONS OF APPROVAL ATTACHED

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

Signed

Mandie Crozier
Mandie Crozier

Title

Regulatory Specialist

Date

9/7/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Mark Baker

Title

Petroleum Engineer

Date

OCT 01 2007

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious

statements or representations as to any matter within its jurisdiction.

UDOGM

OCT 15 2007

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL

Newfield Production Co.

Notice of Intent APD Extension

Lease: UTU-15855
Well: Fed 1-23-9-16
Location: NENE Sec23-T9S-R16E

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

1. The extension and APD shall expire on 09/08/08
2. No other extension shall be granted.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-15855

6. If Indian, Allottee or Tribe Name
NA

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

8. Well Name and No.
FEDERAL 1-23-9-16

9. API Well No.
43-013-33002

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)
632 FNL 472 FEL NE/NE Section 23, T9S R16E

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

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 12/12/05 (expiration 12/12/07).

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

Approved by the
Utah Division of
Oil, Gas and Mining

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

RECEIVED

DEC 03 2007

DIV. OF OIL, GAS & MINING

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

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

Signed Mandie Crozier Title Regulatory Specialist Date 11/30/2007
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

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

API: 43-013-33002
Well Name: Federal 1-23-9-16
Location: NE/NE Section 23,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 12/12/2005

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

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

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

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

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

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

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

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

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


Signature

11/30/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

DEC 03 2007

DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 1-23-9-16

Api No: 43-013-33002 Lease Type: FEDERAL

Section 23 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 12/10/07

Time 1:00 PM

How DRY

Drilling will Commence: _____

Reported by DELL RAY

Telephone # (435) 828-6110

Date 12/10/07 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NENE Section 23 T9S R16E

5. Lease Serial No.
 USA UTU-15855

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 Federal 1-23-9-16

9. API Well No.
~~43035002~~ 43.013.33002

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

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

On 12-10-07 MIRU NDSI NS #1. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 321.02' KB
 On 12-13-07 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild.
 Returned 4.0 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)
 Ray Herrera
 Signature *Ray Herrera*

Title
 Drilling Foreman

Date
 12/13/2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

RECEIVED
 DEC 18 2007
 DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 321.02

LAST CASING 8 5/8" set @ 321.02
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 320' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal I-23-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 41.42'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	309.17
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			311.02
TOTAL LENGTH OF STRING		311.02	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			321.02
TOTAL		309.17	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		309.17	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	12/10/2007	1:00 PM	GOOD CIRC THRU JOB			yes
CSG. IN HOLE		12/11/2007	10:30 AM	Bbls CMT CIRC TO SURFACE			4 bbls
BEGIN CIRC		12/13/2007	8:40 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT		12/13/2007	9:00 AM				
BEGIN DSPL. CMT		12/13/2007	9:17 AM	BUMPED PLUG TO			120 PSI
PLUG DOWN		12/13/2007	9:27 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Ray Herrera DATE 12/13/2007

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
A	99999	16568	4310333002	FEDERAL 1-23-9-16	NENE	23	9S	16E	DUCHESNE	12/13/2007	12/31/07
WELL 1 COMMENTS: <i>GRUV</i>											
A	99999	16570	4301333004	FEDERAL 4-24-9-16	NWNW	24	9S	16E	DUCHESNE	12/12/2007	12/31/07
WELL 2 COMMENTS: <i>GRUV</i>											
A	99999	16567	4301332961 4301332361	FEDERAL 8-23-9-16	SENE	23	9S	16E	DUCHESNE	12/13/2007	12/31/07
WELL 3 COMMENTS: <i>GRUV</i>											
R	99999	12276	4301333520 430133520	<i>Wells Draw</i> FEDERAL H-5-9-16	NENW	5	9S	16E	DUCHESNE	12/14/2007	12/31/07
WELL 4 COMMENTS: <i>GRUV</i>											
B	99999	12417	4301333309	<i>LONE TREE</i> FEDERAL 12-22-9-17	NWSW	22	9S	17E	DUCHESNE	12/17/2007	12/31/07
WELL 5 COMMENTS: <i>GRUV</i>											
WELL 6 COMMENTS:											

- ACTION CODES (See Instructions on back of form)
- A - 1 new entity for new well (single well only)
 - B - well to existing entity (group or U-71 well)
 - C - from one existing entity to another existing entity
 - D - well from one existing entity to a new entity
 - E - P117 (explain in comments section)

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

Tammi Lee
Signature

Tammi Lee

Production Clerk

12/18/07

Date

RECEIVED
 DEC 20 2007
 DIV. OF OIL, GAS & MINING

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 THIS FORM TO THE BUREAU OF LAND MANAGEMENT Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NENE 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 1-23-9-16

9. API Well No.
 4301333002

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 checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)
<input 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 checked="" type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input type="checkbox"/> Other _____

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

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

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

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct (Printed/ Typed)
 Mandie Crozier
 Signature: *Mandie Crozier*

Title
 Regulatory Specialist

Date
 02/22/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

Title
 Date
 Office

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

(Instructions on reverse)

RECEIVED
FEB 26 2008
 DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: COUNTY: **DUCHESNE**

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 23, T9S, R16E STATE: **UT**

8. WELL NAME and NUMBER:
Federal 1-23-9-16

9. API NUMBER:
4301333002

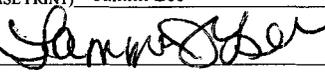
10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> Approximate date work will <hr/>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> Date of Work Completion: <u>02/22/2008</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above mentioned well went on production 2/22/08. See attached daily activity report.

NAME (PLEASE PRINT) Tammi Lee TITLE Production Clerk

SIGNATURE  DATE 02/28/2008

(This space for State use only)

RECEIVED
MAR 03 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 1-23-9-16**12/1/2007 To 4/29/2008****2/12/2008 Day: 1****Completion**

Rigless on 2/11/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5707' & cement top @ 91'. Perforate stage #1. CP1 sds @ 5365-73' 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. 137 BWTR. SIFN.

2/19/2008 Day: 2**Completion**

Rigless on 2/18/2008 - Stage #1, CP1 sands. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 22,746#'s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Leave pressure on well. 484 BWTR Stage #2, A1 & A3 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 12' & 18' perf gun. Set plug @ 5070'. Perforate A3 sds @ 4951- 63', A1 sds @ 4898- 4916' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 120 shots (2 runs). RU BJ Services. 1365 psi on well. Frac A1 & A3 sds w/ 159,791#'s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Leave pressure on well. 1589 BWTR Stage #3, GB6 sands. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 11' perf gun. Set plug @ 4120'. Perforate GB6 sds @ 4007- 18' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. RU BJ Services. 1578 psi on well. Frac GB6 sds w/ 43,024#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs & died. Rec. est 300 BTF. SIWFN w/ 1678 BWTR.

2/20/2008 Day: 3**Completion**

Western #4 on 2/19/2008 - MIRU Western #4. Hot oiler steamed & thawed out BOP & WH. Csg on vacuum. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, bit sub & 122 jts of 2 7/8" J-55 tbg. Tagged sand @ 3835'. RU Nabors power swivel & pump & lines. Circulate sand & drill out plugs as follows. Sand @ 3835', Plug @ 4120' (Drilled out in 21 mins), Sand @ 5055', Plug @ 5070' (Drilled out in 15 mins). Continue PU tbg. EOT @ 5317'. Circulate well clean. SIWFN w/ 1793 BWTR.

2/21/2008 Day: 4**Completion**

Western #4 on 2/20/2008 - Hot oiler steamed & thawed out BOP & WH. Csg & tbg on vacuum. Continue PU & RIH w/ 2 7/8" J-55 tbg. Tagged sand @ 5630'. RU Nabors power swivel & pump & lines. C/O to PBDT @ 5740'. LD extra tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2 jts, SN, 1 jt, TA, 170 jts of 2 7/8" J-55 tbg. SIWFN w/ 1838 BWTR.

2/22/2008 Day: 5**Completion**

Western #4 on 2/21/2008 - Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#'s tension @ 5353', SN @ 5387', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B" grade rods as follows: 2 1/2" X 1 1/2" X 16' RHAC "CDI", 6- 1 1/2" wt bars, 20- 3/4" guided rods, 89- 3/4" plain rods, 100- 3/4" guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr.

**Pressure test to 800 psi. RDMOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR.
FINAL REPORT!!!**

Pertinent Files: [Go to File List](#)

(See other instructions on reverse side)

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other _____
1b. TYPE OF WELL		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
			DIFF RESVR. <input type="checkbox"/>	Other _____	
2. NAME OF OPERATOR Newfield Exploration Company					
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202					
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 632' FNL & 472' FEL NENE At top prod. Interval reported below					
14. API NO. 43-013-33002 DATE ISSUED 12/12/07					
15. DATE SPUNDED 12/10/07 16. DATE T.D. REACHED 12/31/07 17. DATE COMPL. (Ready to prod.) 2/21/08 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5651' GL 5663' KB 19. ELEV. CASINGHEAD					
20. TOTAL DEPTH, MD & TVD 5825'		21. PLUG BACK T.D., MD & TVD 5740'		22. IF MULTIPLE COMPL., HOW MANY* ----->	
				23. INTERVALS DRILLED BY X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* GREEN RIVER 4007'-5373'					
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#	321.02'	12 1/4	To surface w/ 160sx of class "G" cement	
5-1/2" J-55	15.5#	5784.19'	7 7/8	300sx of Primlite II & 400sx 50/50 poz	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @	TA @
						5451.27'	5352.90'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

PERFORATION INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
CP1 sds 5365'-5373'	.49"	4/32	5365'-5373'	Frac w/ 227463's pf 20/40 sand in 347bbls of fluid
A1 sds 4898'-4916', A3 sds 4951'-4963'	.49"	4/120	4898'-4963'	rac w/ 159791#s of 20/40 sand in 1105 bbls of fluid
GB6 sds 4007'-4018'	.49"	4/44	4007'-4018'	Frac w/ 43024#s of 20/40 sand in 389 bbls of fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 2/21/08	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2 1/2" X 1 1/2" X 12' X 16' RHAC Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLs	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
			----->	519	243	121	294
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

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

35. LIST OF ATTACHMENTS

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

SIGNED: Tammi Lee TITLE: Production Technician RECEIVED **MAR 12 2008** 3/11/2008

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

DIV. OF OIL, GAS & MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 1-23-9-16	Garden Gulch Mkr	3464'
				Garden Gulch 1	3673'
				Garden Gulch 2	3783'
				Point 3 Mkr	4025'
				X Mkr	4298'
				Y-Mkr	4331'
				Douglas Creek Mkr	4453'
				BiCarbonate Mkr	4685'
				B Limestone Mkr	4792'
				Castle Peak	5292'
				Basal Carbonate	5740'
			Wasatch	0	
			Total Depth (Loggers)	5817'	

NEWFIELD



Well Name: Federal 1-23-9-16
 LOCATION: S23, T9S, R16E
 COUNTY/STATE: Duchesne
 API: 43-013-33002

Spud Date: 12-10-07
 TD: 5825'
 CSG: 1-1-08
 POP: 2-21-08

DATE	HRS	Oil (bbls)	Water (bbls)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
2/21/2008				1838				POP @ 12:00 w/ 74" SL @ 4 SPM. 1838 Total water to recover.
2/22/2008	20	0	62	1776	0	0	4 1/2	
2/23/2008	24	0	60	1716	0	0	4 1/2	
2/24/2008	24	0	95	1621	0	0	6	
2/25/2008	18	23	0	1621	0	40	6	Down - overspeed
2/26/2008	24	90	0	1621	0	10	4 1/2	
2/27/2008	24	27	0	1621	33	25	6	
2/28/2008	24	58	36	1585	31	25	6 1/4	
2/29/2008	24	0	97	1488	50	50	4 1/2	
3/1/2008	24	60	0	1488	35	30	4 1/2	
3/2/2008	24	112	23	1465	23	30	4 1/2	
3/3/2008	24	59	0	1465	24	45	4 1/2	
3/4/2008	24	58	5	1460	37	55	4 1/2	
3/5/2008	24	62	12	1448	31	65	4 1/2	
3/6/2008	24	58	8	1440	43	60	4 1/2	
3/7/2008	0	0	0	1440	0	40		Down - radiator problems
3/8/2008	18	20	58	1382	13	70	4 1/2	Down - bad radiator
3/9/2008	24	43	10	1372	27	70	4 1/2	
3/10/2008	24	47	5	1367	20	70	4 1/2	
3/11/2008				1367				
3/12/2008				1367				
3/13/2008				1367				
3/14/2008				1367				
3/15/2008				1367				
3/16/2008				1367				
3/17/2008				1367				
3/18/2008				1367				
3/19/2008				1367				
3/20/2008				1367				
3/21/2008				1367				
3/22/2008				1367				
3/23/2008				1367				
		717	471		367			

46985

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-15855
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 1-23-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330020000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0632 FNL 0472 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/23/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 09/18/2014. 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 1244 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 25, 2014</p>		
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: Chris Jensen Date 9/23/14 Time 9:30 am pm
Test Conducted by: Johnny Daniels
Others Present: _____

Well: <u>Federal 1-23-9-16</u>	Field: <u>GMBN</u>
Well Location: <u>NE/NE Sec. 23, T4S, R16E Duchesne, County, Utah</u>	API No: <u>43-013-3300-2</u>

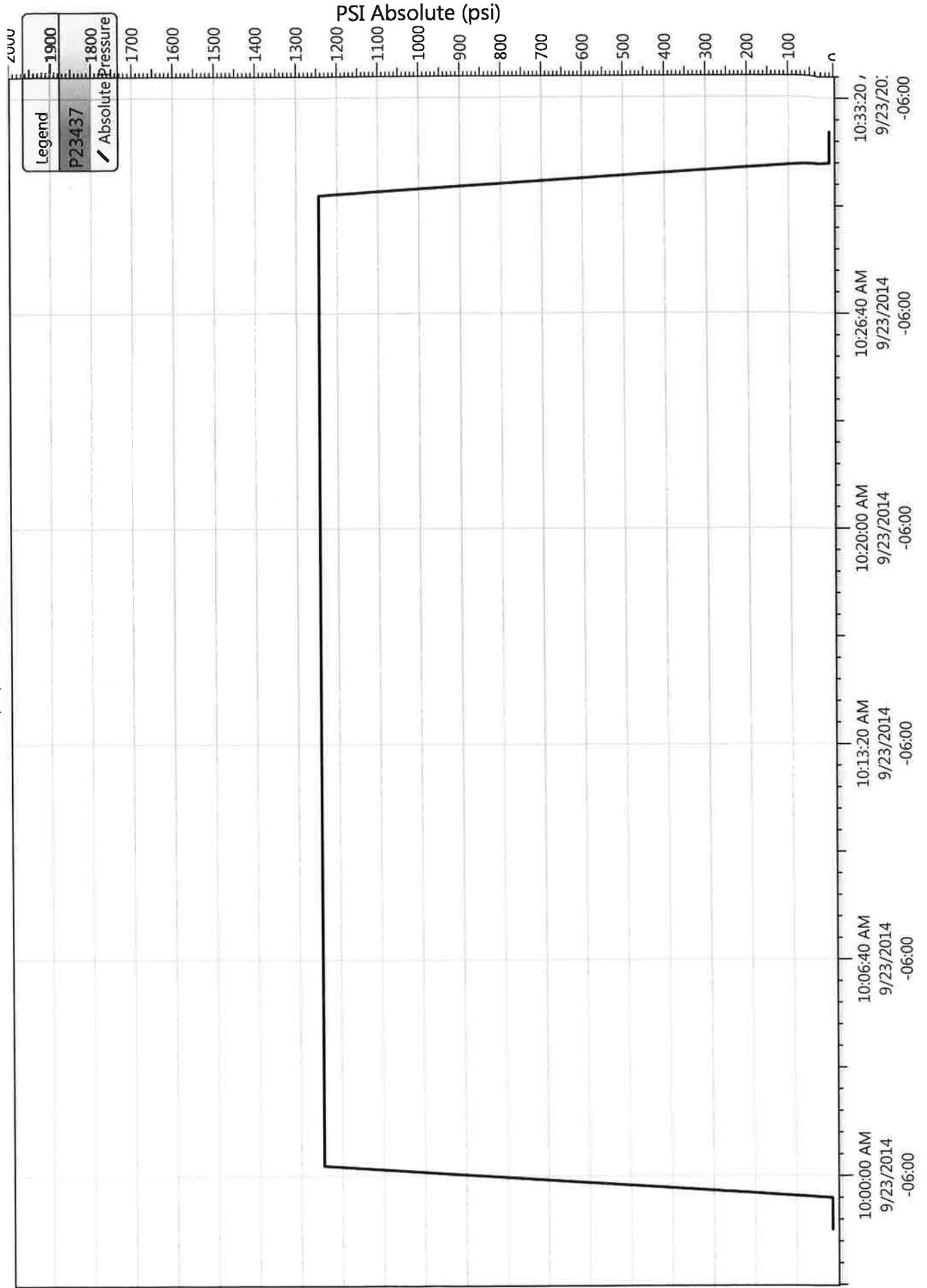
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1244</u>	psig
5	<u>1244</u>	psig
10	<u>1244</u>	psig
15	<u>1244</u>	psig
20	<u>1244</u>	psig
25	<u>1244</u>	psig
30 min	<u>1244</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 250 psig

Result: **Pass** **Fail**

Signature of Witness: Chris Jensen
Signature of Person Conducting Test: Johnny Daniels

Federal 1-23-9-16
9/23/2014 9:58:15 AM





Well Name: Federal 1-23-9-16

Job Detail Summary Report

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

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
9/15/2014	9/15/2014	MIRU	
Start Time	End Time	Comment	
05:30	06:00	C/Travl.	
Start Time	End Time	Comment	
06:00	07:00	Safety Meeting.	
Start Time	End Time	Comment	
07:00	10:30	: Repairs on NC#1 (Welding, Fab Work), MORUSU	
Start Time	End Time	Comment	
10:30	11:30	: Safety Meeting.	
Start Time	End Time	Comment	
11:30	12:30	RDPU	
Start Time	End Time	Comment	
12:30	13:15	: BMW H/O Pumped 50BW d/ Csg w/ Biocide	
Start Time	End Time	Comment	
13:15	14:45	: LD & Strip Polished Rod, US Rod Prmp. Wait on Wtr	
Start Time	End Time	Comment	
14:45	15:30	: H/O Flushed Rods w/ 40BW	
Start Time	End Time	Comment	
15:30	16:45	Soft Seat Test, 3BW to Fill, PT Tbg to 3500psi, GOOD TEST!, Bleed Press	
Start Time	End Time	Comment	
16:45	18:00	: LD 1- 3/4"x 2', 4' Pony Rods, 89- 3/4" 4per	
Start Time	End Time	Comment	
18:00	18:30	C/Travl	
Report Start Date	Report End Date	24hr Activity Summary	
9/16/2014	9/16/2014	Continue LD Rods, NU BOPs	
Start Time	End Time	Comment	
05:30	06:00	C/Travl	
Start Time	End Time	Comment	
06:00	06:30	Safety Meeting	
Start Time	End Time	Comment	
06:30	07:00	: OWU, BMW H/O Flushed Rods w/ 30BW w/ Biocide	
Start Time	End Time	Comment	
07:00	09:00	LD-10- 3/4" 4per- 89- 3/4" Plain- 20- 3/4" 4per- 6- 1 1/2" Wt Bars, Rod Pump on Trl,	
Start Time	End Time	Comment	
09:00	10:00	XO For Tbg, ND WH Flange, Function Test BOPs, NU BOP, RU Workfloor	
Start Time	End Time	Comment	
10:00	12:30	Release TAC, POOH w/ 125-(3933') 2 7/8" B&D Everyother Collar	
Start Time	End Time	Comment	
12:30	13:30	: H/O Flushed Tbg w/ 40BW, POOH w/ Remaining 48- Jts, LD TAC,PSN,NC	
Start Time	End Time	Comment	
13:30	15:00	MU Slauch Scraper, TH w/ 173- Jts, PU 4-Jts, Tag Fill @ 5663'(77' of Fill on PB), LD 4- Jts,	
Start Time	End Time	Comment	
15:00	15:30	: H/O Flushed Tbg w/ 40BW	
Start Time	End Time	Comment	
15:30	18:00	LD 1-Jt, POOH w/ 124- Jts B&D Everyother Collar, H/O Flushed w/ 20BW During Trip:	
Start Time	End Time	Comment	
18:00	18:30	SWIFN	
Start Time	End Time	Comment	
18:30	19:00	C/Travl	



Well Name: Federal 1-23-9-16

Job Detail Summary Report

Daily Operations		Report End Date	24hr Activity Summary
Report Start Date	9/17/2014	9/17/2014	LD Remaining Tbg, PU PKR
Start Time	05:30	End Time	06:00
Start Time	06:00	End Time	07:00
Start Time	07:00	End Time	07:30
Start Time	07:30	End Time	08:30
Start Time	08:30	End Time	10:00
Start Time	10:00	End Time	10:45
Start Time	10:45	End Time	11:15
Start Time	11:15	End Time	13:30
Start Time	13:30	End Time	13:45
Start Time	13:45	End Time	14:15
Start Time	14:15	End Time	15:00
Start Time	15:00	End Time	16:00
Start Time	16:00	End Time	16:30
Start Time	16:30	End Time	17:00
Start Time	17:00	End Time	17:15
Start Time	17:15	End Time	17:45
Start Time	17:45	End Time	18:00
Start Time	18:00	End Time	18:30
Start Time	18:30	End Time	19:00
Report Start Date	9/18/2014	Report End Date	9/18/2014
Start Time	05:30	End Time	06:00
Start Time	06:00	End Time	07:00
Start Time	07:00	End Time	07:30
Start Time	07:30	End Time	08:00



Job Detail Summary Report

Well Name: Federal 1-23-9-16

Start Time	08:00	End Time	09:00	Comment
Start Time	09:00	End Time	09:00	GOOD MIT, No Loss in 30Min 1394psi
Report Start Date	9/23/2014	Report End Date	9/23/2014	Comment
Start Time	10:00	End Time	10:30	RDMOSU....Final Rig Report!! Ready for State MIT
24hr Activity Summary		Conduct MIT		
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 1244 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test.				

NEWFIELD

Schematic

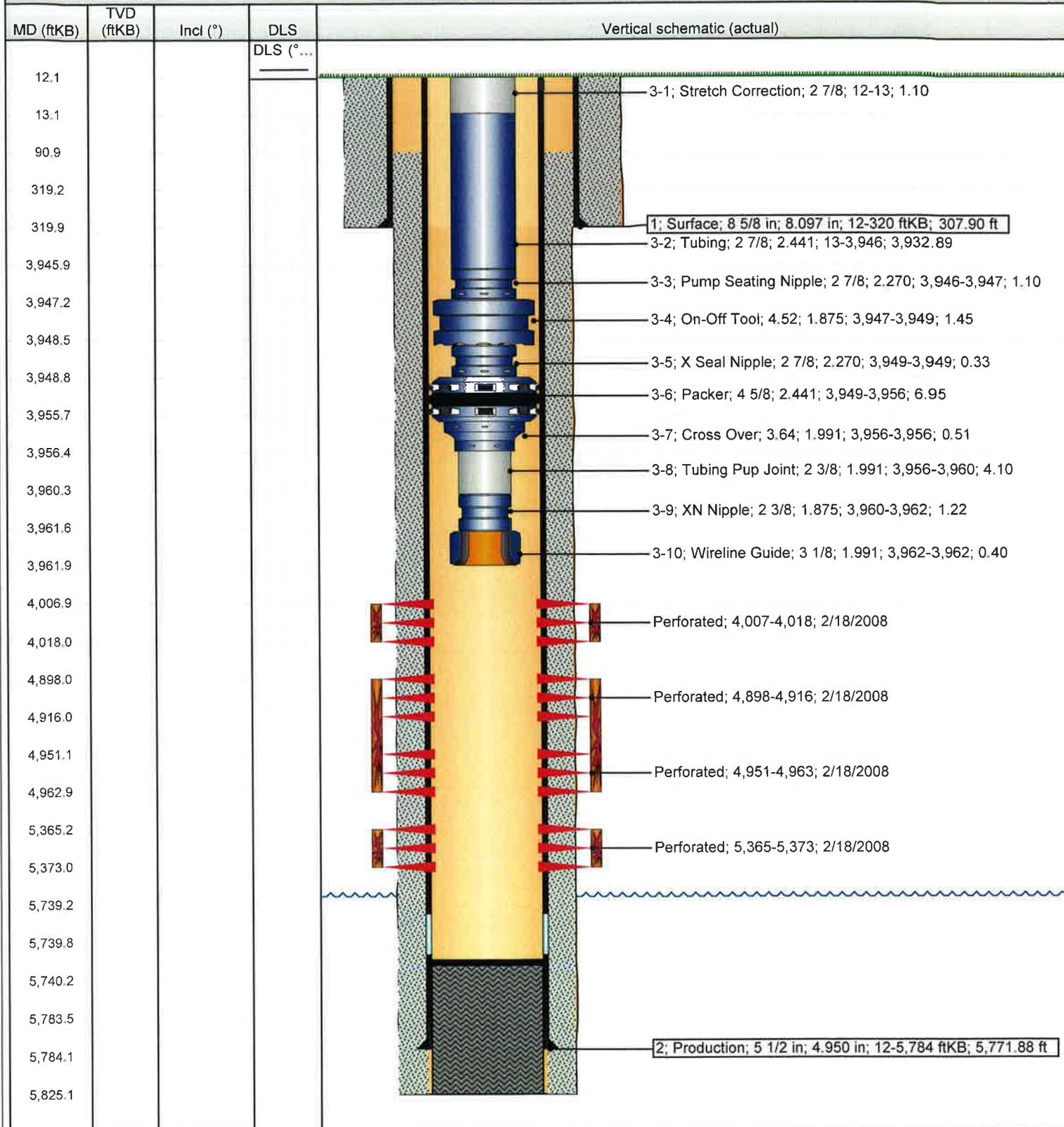
Well Name: Federal 1-23-9-16

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

Most Recent Job

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

TD: 5,825.0 Vertical - Original Hole, 9/24/2014 11:12:45 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 1-23-9-16**

Surface Legal Location 23-9S-16E		API/UWI 4301333002000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 12/9/2007		Spud Date 12/10/2007		Final Rig Release Date 1/1/2008	
Original KB Elevation (ft) 5,663		Ground Elevation (ft) 5,651		Total Depth (ftKB) 5,825.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,740.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	12/10/2007	8 5/8	8.097	24.00	J-55	320
Production	1/1/2008	5 1/2	4.950	15.50	J-55	5,784

Cement**String: Surface, 320ftKB 12/13/2007**

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, 5,784ftKB 1/1/2008

Cementing Company BJ Services Company	Top Depth (ftKB) 91.0	Bottom Depth (ftKB) 5,825.0	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) 91.0
Fluid Description 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed	Fluid Type Tail	Amount (sacks) 400	Class 50:50 POZ	Estimated Top (ftKB) 2,500.0

Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Stretch Correction	1	2 7/8				1.10	12.0	13.1
Tubing	125	2 7/8	2.441	6.50	J-55	3,932.89	13.1	3,946.0
Pump Seating Nipple	1	2 7/8	2.270			1.10	3,946.0	3,947.1
On-Off Tool	1	4.515	1.875			1.45	3,947.1	3,948.5
X Seal Nipple	1	2 7/8	2.270			0.33	3,948.5	3,948.9
Packer	1	4 5/8	2.441			6.95	3,948.9	3,955.8
Cross Over	1	3.635	1.991			0.51	3,955.8	3,956.3
Tubing Pup Joint	1	2 3/8	1.991			4.10	3,956.3	3,960.4
XN Nipple	1	2 3/8	1.875			1.22	3,960.4	3,961.7
Wireline Guide	1	3 1/8	1.991			0.40	3,961.7	3,962.1

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
3	GB6, Original Hole	4,007	4,018	4			2/18/2008
2	A1, Original Hole	4,898	4,916	4			2/18/2008
2	A3, Original Hole	4,951	4,963	4			2/18/2008
1	CP1, Original Hole	5,365	5,373	4			2/18/2008

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)
3	1,697	0.86	23.4	1,876			
2	2,091	0.86	23.3	2,149			
1	1,913	0.79	23.2	2,515			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
3		Proppant White Sand 43024 lb
2		Proppant White Sand 159791 lb
1		Proppant White Sand 22746 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
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 1-23-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0632 FNL 0472 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 23 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013330020000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
STATE: UTAH	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 style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 9:25 AM on 10/29/2014.

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

Date: ~~November 10, 2014~~

By:

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



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-363

Operator: Newfield Production Company
Well: Federal 1-23-9-16
Location: Section 23, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33002
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 6, 2010.
2. Maximum Allowable Injection Pressure: 1,671 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,870' – 5,817')
The injection top is limited by nearby well Federal 9-23-9-16 (43-013-30654).
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

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 6, 2010

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

Subject: Greater Monument Butte Unit Well: Federal 1-23-9-16, Section 23, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33002

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,870 feet in the Federal 1-23 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,

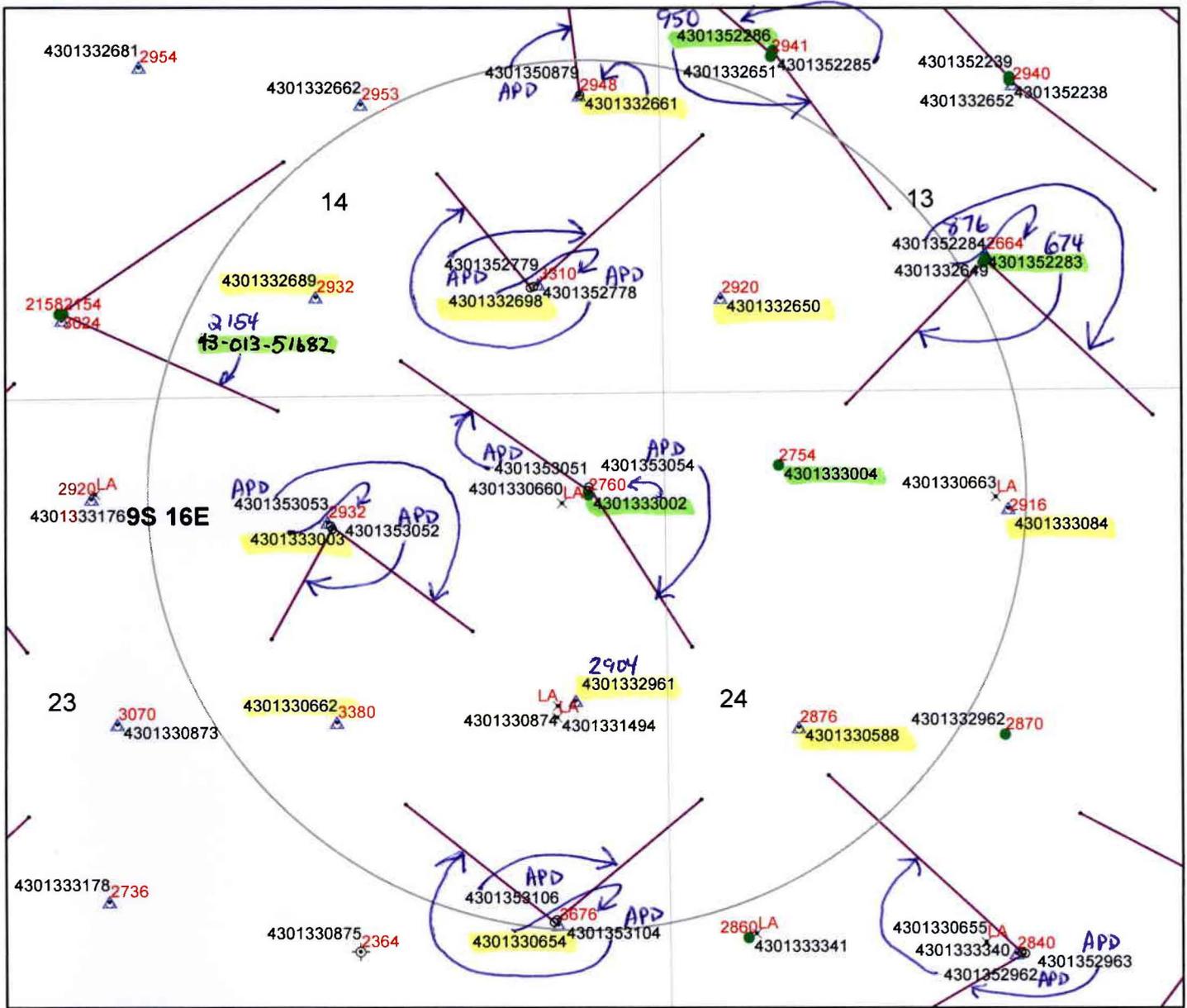
Gil Hunt
Associate Director

GLH/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\Newfield\Greater Monument Butte
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov





Legend

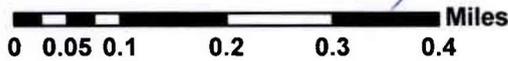
Oil & Gas Well Type

- 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-CbItopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

**Cement Bond Tops
Federal 1-23-9-16
API #43-013-33002
UIC-363.5**

Updated 10/1/2014



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

Applicant: Newfield Production Company **Well:** Federal 1-23-9-16

Location: 23/9S/16E **API:** 43-013-33002

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 leaseholders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 321 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,784 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,760 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,957 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 (10/1/2014), based on surface locations, there are 2 producing wells and 10 injection wells in the area of review. In addition, there are 3 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there is 1 approved surface location for a directional well with a surface location inside the AOR and bottom hole location outside the AOR and 1 approved surface location outside the AOR for a bottom hole location inside the AOR. Most of the existing wells have evidence of adequate casing and cement for the proposed injection interval. However, the Federal 9-23-9-16 well (API # 43-013-30654), located within the AOR, appears to have inadequate cement for the proposed injection interval. Its CBL (4/1/1983) indicates a cement top at about 3,676 feet. To protect this wellbore Newfield will not perforate the Federal 1-23-9-16 well above 3,870 feet (see next paragraph).

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 2100 feet. The requested injection interval is between 3,781 feet and 5,817 feet in the Green River Formation. However, the top of the acceptable cement is at about 3,676 feet in the Federal 9-23-9-16 well (API # 43-013-30654), located within the AOR, approximately ½ mile south of the Federal 1-23-9-16 well. This cement top correlates to a depth of approximately 3,770 feet in the Federal 1-23-9-16 well. For this reason, it is suggested that the top of the injection interval be permitted no higher than a depth of 3,870 feet in the Federal 1-23-9-16 well. Information submitted by Newfield indicates

Federal 1-23-9-16

page 2

that the fracture gradient for the 1-23-9-16 well is 0.86 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,671 psig. The requested maximum pressure is 1,671 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.

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: 4/26/2010 (revised 10/1/2014)

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	3/31/2010

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000561251 /		
SCHEDULE			
Start 03/30/2010	End 03/30/2010		
CUST. REF. NO.			
20100325			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINI			
SIZE			
73	Lines	2.00	COLUMN
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
250.28			

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 20 TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicatory proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Hawkeye 14-23-8-16 well located in SE/4 SW/4, Section 23, Township 8 South, Range 16 East
Monument Butte 4-26-8-16 well located in NW/4 NW/4, Section 26, Township 8 South, Range 16 East
Monument Butte Federal 10-26-8-16 well located in NW/4 SE/4, Section 20, Township 8 South, Range 16 East
Monument Butte Federal 1-14-9-16 well located in SW/4 SW/4, Section 1, Township 9 South, Range 16 East
Monument Butte Federal 32-1J-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East
South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range 16 East
South Wells Draw Federal 8-3-9-16 well located in SE/4 NE/4, Section 3, Township 9 South, Range 16 East
Janah Federal 4-11-9-16 well located in NW/4 NW/4, Section 11, Township 9 South, Range 16 East
Janah Unit 4-12-9-16 well located in NW/4 NW/4, Section 12, Township 9 South, Range 16 East
Federal 1-23-9-16 well located in NE/4 NE/4, Section 23, Township 9 South, Range 16 East

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 pressure 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 Gil Hunt, Associate Director, 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 25th day of March, 2010.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/Gil Hunt
Associate Director
561251

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERT NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 03/30/2010 End 03/30/2010

SIGNATURE *[Signature]*

DATE 3/31/2010

VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 581469
My Commission Expires
January 12, 2014

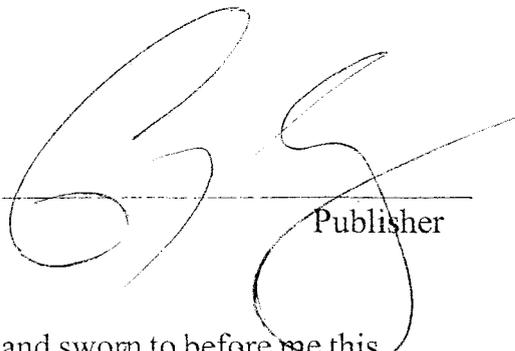
Virginia Craft

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

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Craig L. 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 30 day of March, 20 10, and that the last publication of such notice was in the issue of such newspaper dated the 30 day of March, 20 10, 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.

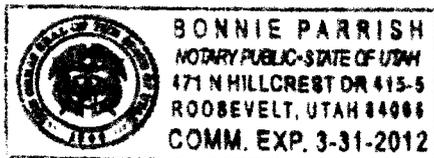


Publisher

Subscribed and sworn to before me this 30 day of March, 20 10



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-363

BEFORE THE DIVISION OF OIL, GAS AND MINING

DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Monument Federal 32-11-9-16 well located in SW/4 NE/4, Section 1, Township 9 South, Range 16 East

South Wells Draw Federal 2-3-9-16 well located in NW/4 NE/4, Section 3, Township 9 South, Range 16 East

Dated this 25th day of March, 2010.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

/s/

Gil Hunt
Associate Director
Published in the Uintah Basin Standard March 30, 2010.

and sworn to before me this

f. March, 2010
Bonnie Parrish

Notary Public

BONNIE PARRISH
NOTARY PUBLIC-STATE OF UTAH
471 N HILLCREST DR #15-5
ROOSEVELT, UTAH 84004
COMM. EXP. 3-31-2012

Greater Monument Butte Unit:

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Jonah Federal 4-11-9-16 well located in NW/4 NW/4, Section 11, Township 9 South, Range 16 East

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Federal 1-23-9-16 well located in NE/4 NE/4, Section 23, Township 9 South, Range 16 East

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 Gil Hunt, Associate Director, 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

Dated this 25th day of March, 2010.
STATE OF UTAH
DIVISION OF OIL,
GAS & MINING
/s/
Gil Hunt
Associate Director
Published in the Uintah Basin Standard March 30, 2010.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
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Dated this 25th day of March, 2010.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Gil Hunt
Associate Director

Newfield Production Company

**HAWKEYE 14-23-8-16, MONUMENT BUTTE 4-26-8-16, MONUMENT BUTTE FEDERAL 10-26-8-16,
MONUMENT BUTTE FEDERAL 1-14-9-16, MONUMENT FEDERAL 32-1J-9-16, SOUTH WELLS
DRAW FEDERAL 2-3-9-16, SOUTH WELLS DRAW FEDERAL 8-3-9-16, JONAH FEDERAL 4-11-9-16,
JONAH UNIT 4-12-9-16, FEDERAL 1-23-9-16.**

Cause No. UIC-363

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 ubs@ubstandard.com

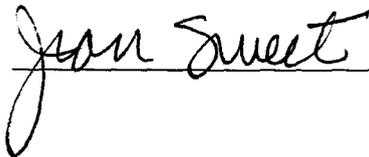
Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

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

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102-2818



From: Bonnie <bonnie@ubstandard.com>
To: <jsweet@utah.gov>
Date: 3/26/2010 11:33 AM
Subject: UIC 363

Jean,
Notice of Agency Action UIC 363 will publish on March 30th.
Thank you,

--

Bonnie Parrish
Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
(435) 722-5131
(435) 722-4140 Fax
bonnie@ubstandard.com



GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 25, 2010

Via e-mail: ubs@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-363

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



Order Confirmation for Ad #0000561251-01

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 TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO; SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
EMail	dianeholland@utah.gov	Jean Sweet	jvaldez

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-363

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 16 EAST; SECTIONS 1, 3, 11, 12 AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST; DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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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 Gil Hunt, Associate Director, 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 25th day of March, 2010.

STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/Gil Hunt
 Associate Director
 561251

UPAXLP

Total Amount	\$250.28			
Payment Amt	\$0.00			
Amount Due	\$250.28	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	20100325	

Confirmation Notes:

Text:

Ad Type	Ad Size	Color
Legal Liner	2.0 X 73 Li	<NONE>

Product	Placement
Salt Lake Tribune::	Legal Liner Notice - 0998

Scheduled Date(s): 03/30/2010

Product	Placement
Deseret News::	Legal Liner Notice - 0998

Scheduled Date(s): 03/30/2010

Product	Placement
sltrib.com::	Legal Liner Notice - 0998

Scheduled Date(s): 03/30/2010

Product	Placement
utahlegals.com::	utahlegals.com

Scheduled Date(s): 03/30/2010

From: "Valdez-Carruther, Justina" <jvaldez@mediaoneutah.com>
To: <JSWEET@utah.gov>
Date: 3/26/2010 12:05 PM
Subject: 20100325
Attachments: OrderConf.pdf

MAR 30



GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 25, 2010

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-363

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





March 9, 2010

RECEIVED
MAR 16 2010
DIV. OF OIL, GAS & MINING

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Federal #1-23-9-16
Monument Butte Field, Lease #U-15855
Section 23-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Federal #1-23-9-16 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,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long horizontal line extending to the right.

Eric Sundberg
Regulatory Analyst

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #1-23-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #U-15855
March 9, 2010

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FEDERAL 1-23-9-16

Spud Date: 12/06/07
 Put on Production: 02/11/08
 GL: 5651' KB: 5663'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.17')
 DEPTH LANDED: 321'
 HOLE SIZE: 12 1/4"
 CEMENT DATA: To Surface w/160sx of class 'G' cement

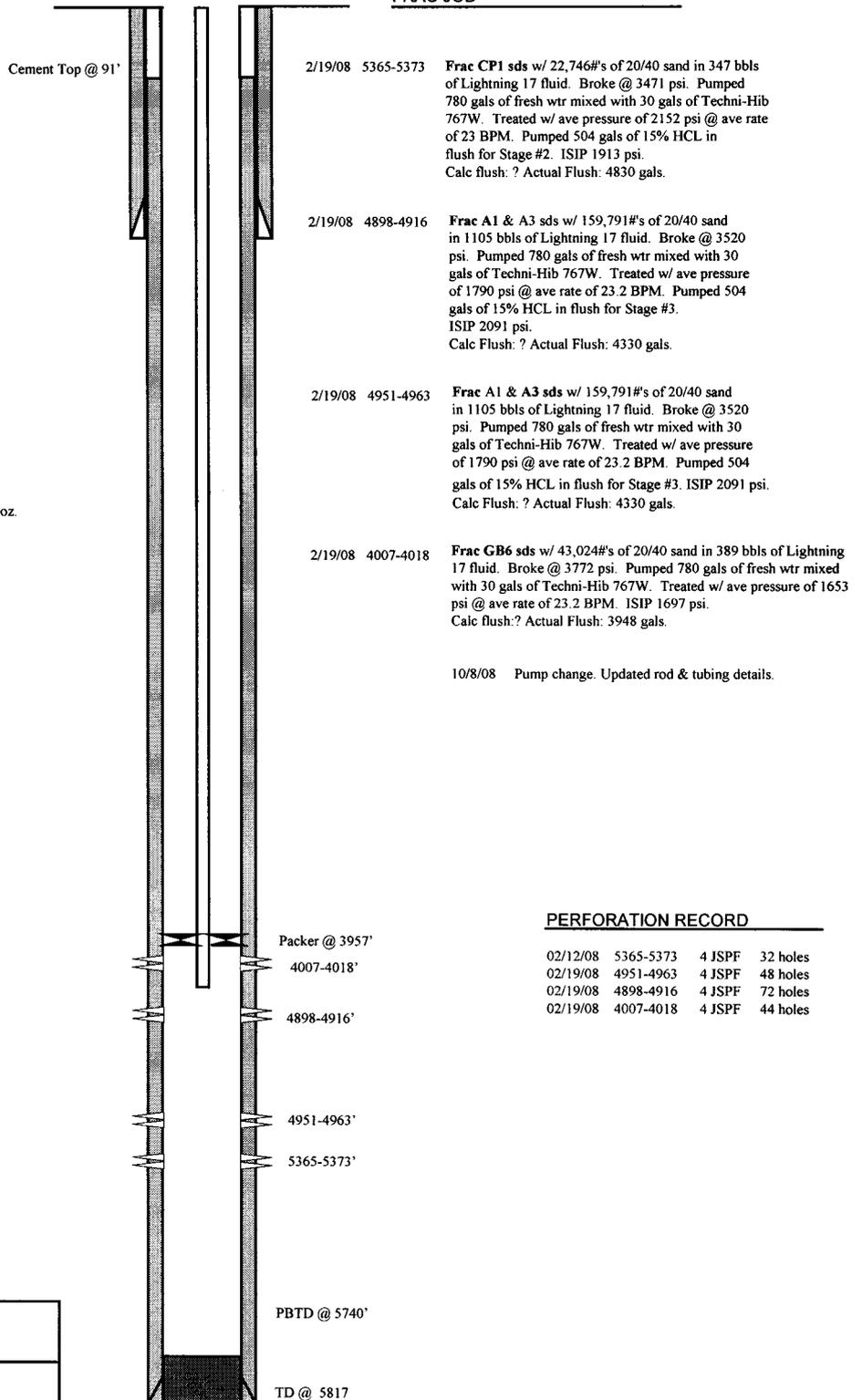
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5815'
 DEPTH LANDED: 5784'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sx of Primlite II and 400 sx of 50/50 poz.
 CEMENT TOP: 91'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 170 jts (5340.76')
 TUBING ANCHOR: 5352.76' KB
 NO. OF JOINTS: 1 jt (31.34')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5386.90' KB
 NO. OF JOINTS: 2 jts (62.82')
 TOTAL STRING LENGTH: EOT @ 5451.27' KB

FRAC JOB



PERFORATION RECORD

Date	Wellbore	Tool	Holes
02/12/08	5365-5373	4 JSPF	32 holes
02/19/08	4951-4963	4 JSPF	48 holes
02/19/08	4898-4916	4 JSPF	72 holes
02/19/08	4007-4018	4 JSPF	44 holes

NEWFIELD

FEDERAL 1-23-9-16

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-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 #1-23-9-16 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 #1-23-9-16 well, the proposed injection zone is from Garden Gulch to TD (3781' - 5817'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, whichever is shallower. The Garden Gulch Marker top is at 3463' and the TD is at 5817'.

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

The referenced log for the Federal #1-23-9-16 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 #U-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 321' KB, and 5-1/2", 15.5# casing run from surface to 5784' 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.

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 1671 psig.

2.8 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 #1-23-9-16, for existing perforations (4007' - 5373') calculates at 0.86 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 1671 psig. We may add additional perforations between 3463' and 5817'. See Attachments G and G-1.

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

In the Federal #1-23-9-16, the proposed injection zone (3781' - 5817') is in the Garden Gulch to Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 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-12.

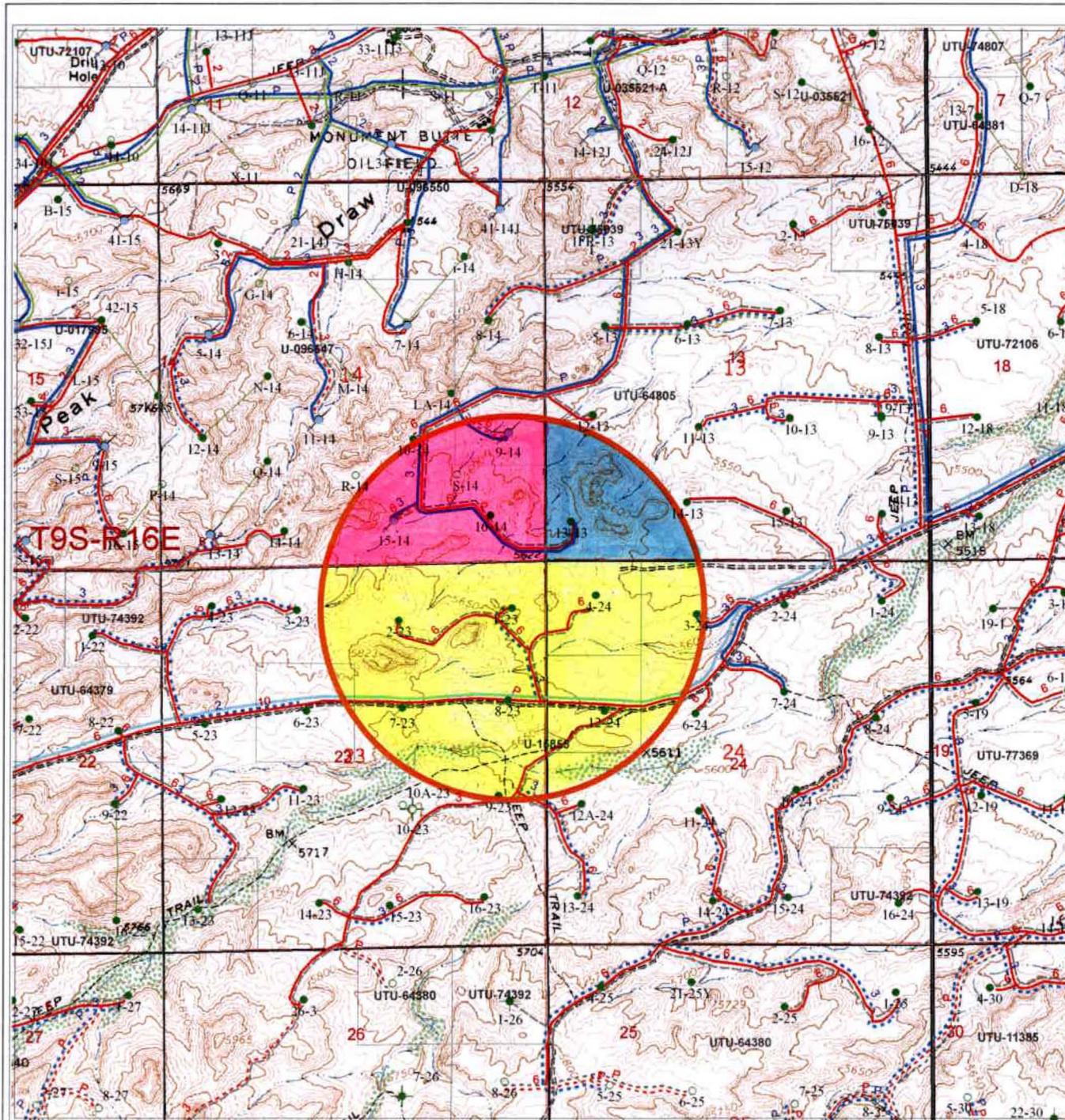
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

2.11 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.

2.12 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.



U-15855
 UTU-04805
 U-096547

Well Status	
○	Location
⊙	CTI
⊖	Surface Spud
⊕	Drilling
⊗	Waiting on Completion
●	Producing Oil Well
⊛	Producing Gas Well
⊚	Water Injection Well
⊘	Dry Hole
⊖	Temporarily Abandoned
⊗	Plugged & Abandoned
⊚	Shut in
—	Countyline
Injection system	
—	high pressure
—	low pressure
---	proposed
---	return
---	return proposed
---	Leases
---	Mining tracts
Gas Pipelines	
---	Gathering lines
---	Proposed lines
⊠	1-23-9-16 1/2mile radius

Attachment A

Monument 1-23-9-16
Section 23, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS

1" = 2000'

1/2 Mile Radius Map
Duchesne & Uintah Counties

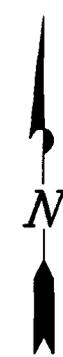
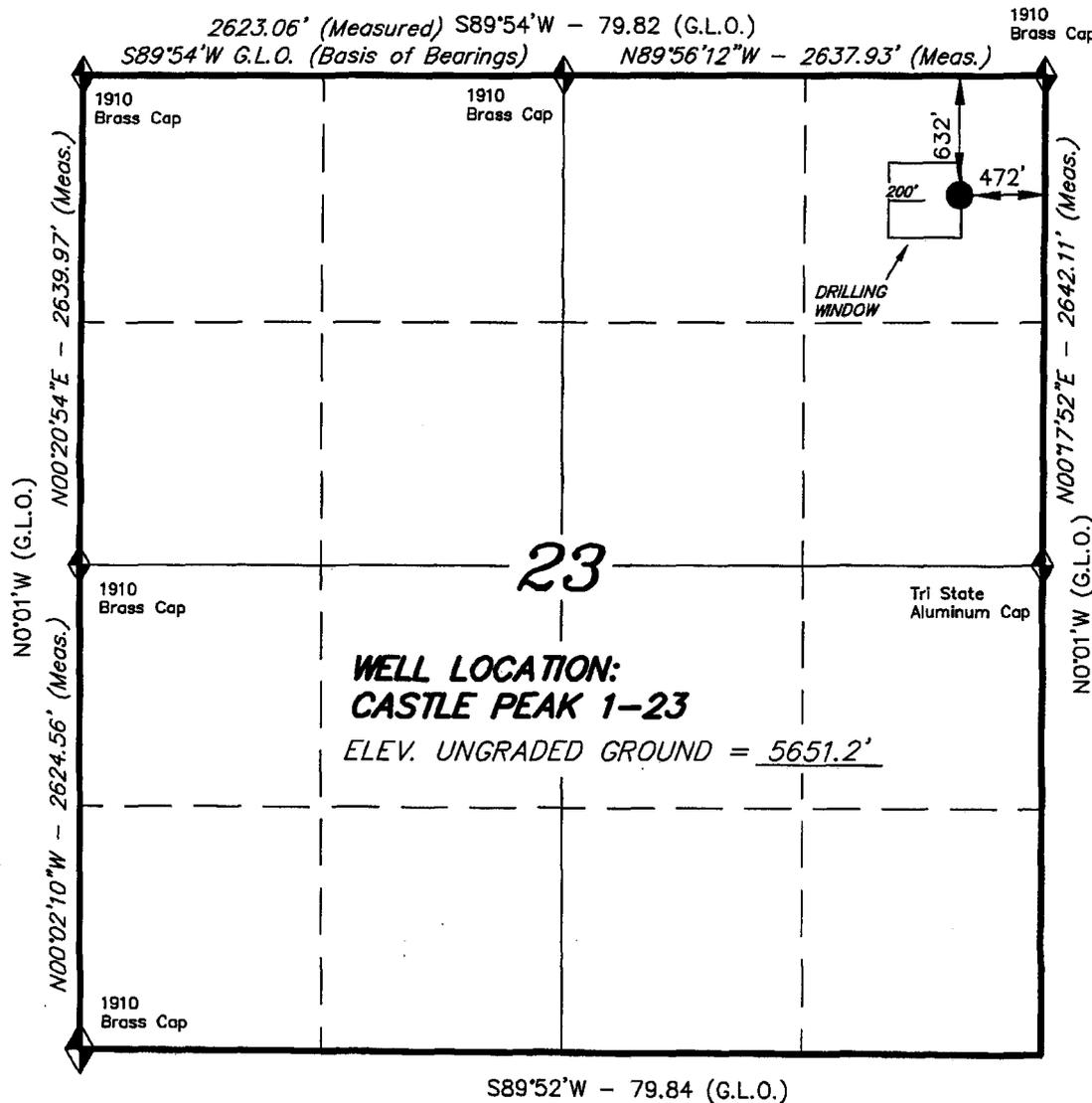
1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

December 21, 2009

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

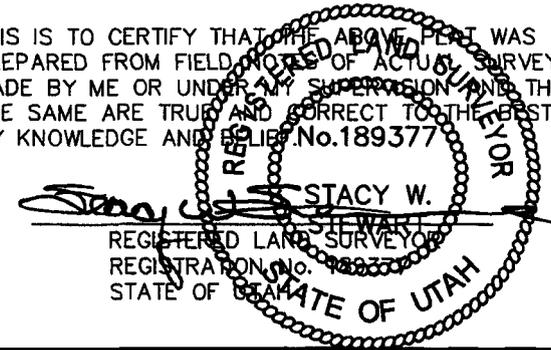
NEWFIELD PRODUCTION COMPANY

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



Attachment A-1

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



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

SCALE: 1" = 1000'	SURVEYED BY: C.M.
DATE: 11-16-05	DRAWN BY: F.T.M.
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

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

EXHIBIT B

Page 1

of 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	<u>Township 9 South, Range 16 East</u> Section 23: E2, NW, E2SW, NWSW Section 24: N2, SW, N2SE, SWSE	U-15855 HBP	Newfield Production Company 1001 17 th St. Suite 2000 Denver, CO 80202 Bee Hive Oil, LLC 3738 Newland Drive Round Rock, TX 78681 Six Gold Oil, LLC PO Box 8758 The Woodlands, TX 77387-8758 Rust To Gold, LLC 17350 State Hwy 249, Suite 249 Houston, TX 77064-1140 King Oil and Gas of Texas, Ltd C/O Allan C. King 800 Bering Dr Houston, TX 77057 Jasper Warren 17350 State Hwy 249 Suite 140 Houston, TX 77064-1140	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #1-23-9-16

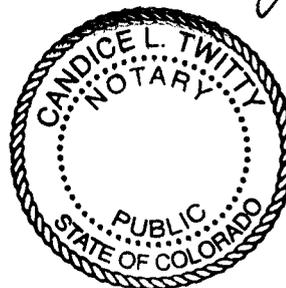
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: *Eric Sundberg*
Newfield Production Company
Eric Sundberg
Regulatory Analyst

Sworn to and subscribed before me this 11th day of March, 2010.

Notary Public in and for the State of Colorado: *Candice L Twitty*

My Commission Expires: 02/10/2013



FEDERAL 1-23-9-16

Spud Date: 12/06/07
 Put on Production: 02/11/08
 GL: 5651' KB: 5663'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.17')
 DEPTH LANDED: 321'
 HOLE SIZE: 12 1/4"
 CEMENT DATA: To Surface w/160sx of class 'G' cement

PRODUCTION CASING

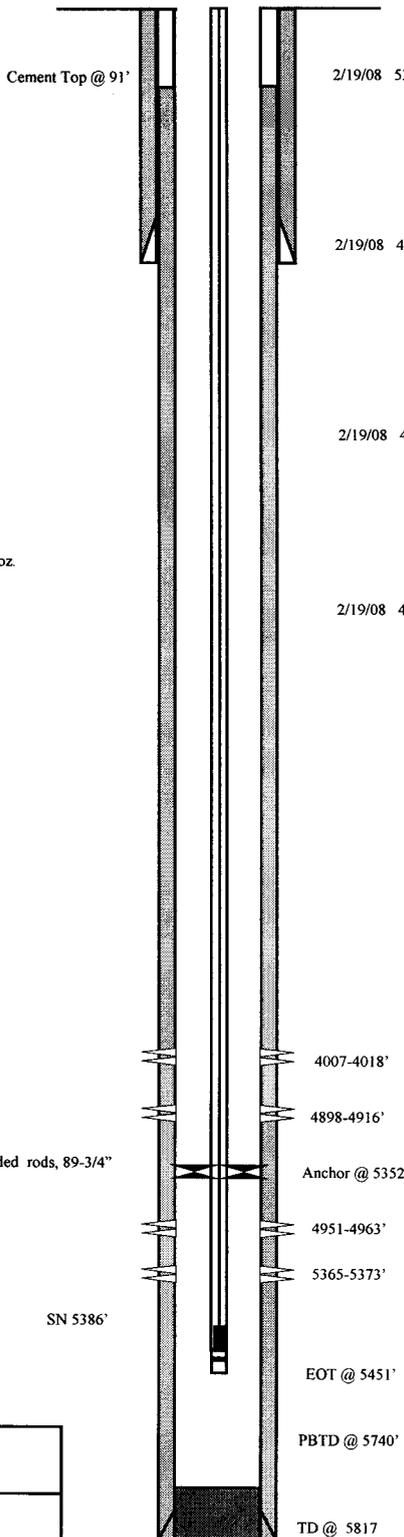
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5815'
 DEPTH LANDED: 5784'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sx of Primplite II and 400 sx of 50/50 poz.
 CEMENT TOP: 91'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 170 jts (5340.76')
 TUBING ANCHOR: 5352.76' KB
 NO. OF JOINTS: 1 jt (31.34')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5386.90' KB
 NO. OF JOINTS: 2 jts (62.82')
 TOTAL STRING LENGTH: EOT @ 5451.27' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods
 SUCKER RODS: 1-2", 2-8" X 3/4" Pony Rods, 100-3/4" guided rods, 89-3/4"
 plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods.
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 15' RHAC
 STROKE LENGTH: 74"
 PUMP SPEED: 4.5 SPM



2/19/08 5365-5373 **Frac CPI sds w/ 22,746#s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Calc flush: ? Actual Flush: 4830 gals.**

2/19/08 4898-4916 **Frac A1 & A3 sds w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.**

2/19/08 4951-4963 **Frac A1 & A3 sds w/ 159,791#s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Calc Flush: ? Actual Flush: 4330 gals.**

2/19/08 4007-4018 **Frac GB6 sds w/ 43,024#s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Calc flush: ? Actual Flush: 3948 gals.**

10/8/08 Pump change. Updated rod & tubing details.

PERFORATION RECORD

Date	Job	JSPF	Holes
02/12/08	5365-5373	4 JSPF	32 holes
02/19/08	4951-4963	4 JSPF	48 holes
02/19/08	4898-4916	4 JSPF	72 holes
02/19/08	4007-4018	4 JSPF	44 holes

NEWFIELD

FEDERAL 1-23-9-16

632' FNL & 472' FEL

NE/NE Section 23-T9S-R16E

Duchesne Co, Utah

API #43-013-33002; Lease # U-15855

Jonah Federal 9-14-9-16

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

Initial Production: 46 BOPD,
 111 MCFPD, 45 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

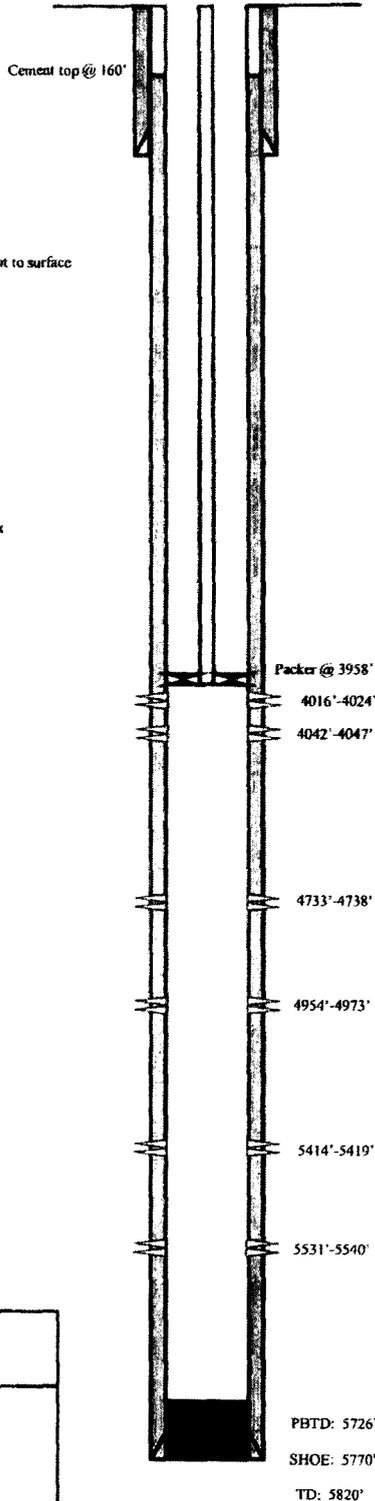
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (304.57')
 DEPTH LANDED: 314.57'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sks Class "G" cement, est. 6 bbls cement to surface

PRODUCTION CASING

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

TUBING

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



FRAC JOB

06/07/05	5414'-5540'	Frac CP4 and CP2 sand as follows: 40,739#'s of 20/40 sand in 416 bbls lightning 17 frac fluid. Treated w/avg press of 1595 psi, w/avg rate of 24.9 bpm. ISIP 1780 psi. Calc flush: 5412 gal Actual flush: 5166 gal
06/07/05	4954'-4973'	Frac A3 sand as follows: 70,185#'s of 20/40 sand in 538 bbls lightning 17 frac fluid. Treated w/avg press of 1763 psi. ISIP 2170 psi. Calc flush: 4952 gal Actual flush: 4704 gal.
06/08/05	4733'-4738'	Frac B1 sand as follows: 20,210#'s of 20/40 sand in 253 bbls lightning 17 frac fluid. Treated w/avg press of 2085 psi, w/ avg rate of 24.8 bpm. ISIP 2050 psi. Calc flush: 4731 gal. Actual flush: 4494 gal
06/08/05	4016'-4047'	Frac GB6 sand as follows: 38,754#'s of 20/40 sand in 347 bbls lightning 17 frac fluid. Treated w/avg press of 1704 psi w/avg rate of 24.7 bpm. ISIP 1840 psi. Calc flush: 4014 gal Actual flush: 3948 gal
10-23-06		Well Converted to Injection Well
11-10-06		MIT to complete Conversion

PERFORATION RECORD

06/01/05	5531'-5540'	4 JSPP	36 holes
06/01/05	5414'-5419'	4 JSPP	20 holes
06/07/05	4954'-4973'	4 JSPP	76 holes
06/07/05	4733'-4738'	4 JSPP	20 holes
06/08/05	4042'-4047'	4 JSPP	20 holes
06/08/05	4016'-4024'	4 JSPP	32 holes

NEWFIELD

Jonah Federal 9-14-9-16
 1785' FSL & 508' FEL
 NE/SE Section 14-T9S-R16E
 Duchesne Co, Utah
 API 43-013-32661; Lease UTU-096550

Attachment E-2

Sundry Number: 39560 API Well Number: 43013326620000

Jonah Federal 10-14-9-16

Spud Date 5-18-05
 Put on Production: 6-23-05
 GL: 5607' KB: 5619'

Initial Production: 55 BOPD,
 22 MCFD, 232 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE 8-5/8"
 GRADE J-55
 WEIGHT 24#
 LENGTH 7 jts (303')
 DEPTH LANDED 314 85' KB
 HOLE SIZE 12-1/4"
 CEMENT DATA 160 sxs Class "G" cm, est 5 bbis cmr to surf

PRODUCTION CASING

CSG SIZE 5-1/2"
 GRADE J-55
 WEIGHT 15 5#
 LENGTH 137 jts (5796 74')
 DEPTH LANDED 5809 99' KB
 HOLE SIZE 7-7/8"
 CEMENT DATA 310 sxs Prem Lite II & 400 sxs 50/50 POZ
 CEMENT TOP AT 90'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6 5#
 NO OF JOINTS 120 jts (3904')
 SEATING NIPPLE 2-7/8" (1 10')
 SN LANDED AT 3916' KB
 RET HEAD AT 3917'
 ARROW #1 PACKER CE AT 3922'
 XO 2-3/8 x 2-7/8 J-55 AT 3926'
 TBG PUP 2-3/8 J-55 AT 3926 5'
 X/N NIPPLE AT 3930 6'
 TOTAL STRING LENGTH EOT @ 3932 17'

FRAC JOB

6-15-05 5109-5139' Frac LODC sand as follows:
 40770#s 20/40 sand in 380 bbis Lightning
 17 frac fluid Treated @ avg press of 3040 psi
 w/avg rate of 24.3 BPM ISIP 2950 psi Calc
 flush: 5107 gal Actual flush 4872 gal

6-15-05 4980-5007' Frac A3 sand as follows:
 110,559#s 20/40 sand in 774 bbis Lightning
 17 frac fluid Treated @ avg press of 1950 psi
 w/avg rate of 24.8 BPM ISIP 2250 psi Calc
 flush 4978 gal Actual flush 4746 gal

6-16-05 4808-4817' Frac B2, sand as follows:
 40877#s 20/40 sand in 371 bbis Lightning
 17 frac fluid Treated @ avg press of 2399 psi
 w/avg rate of 25.1 BPM ISIP 2300 psi Calc
 flush 4806 gal Actual flush 4536 gal

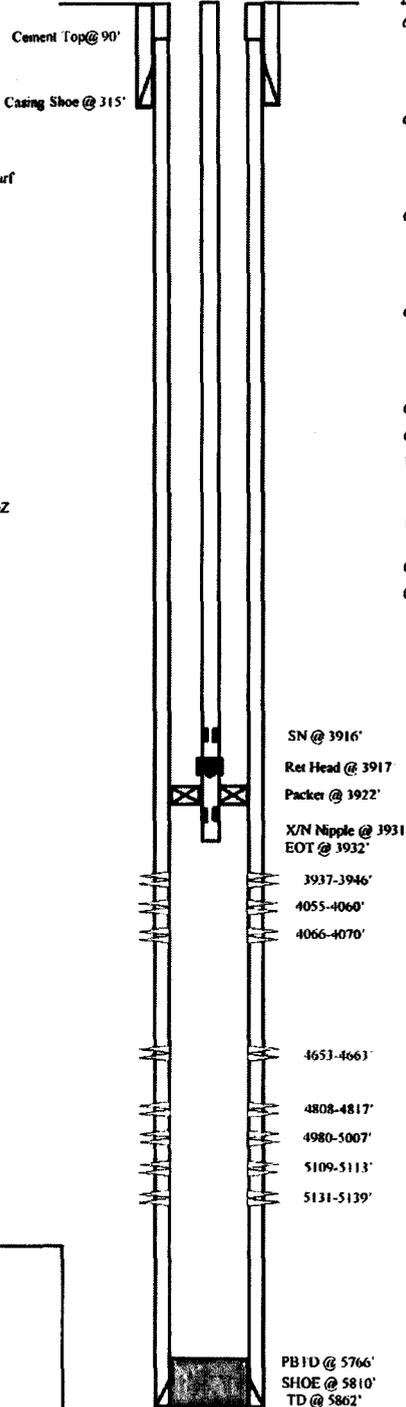
6-16-05 3937-3946' Frac GB2 sand as follows:
 29376#s 20/40 sand in 281 bbis Lightning
 17 frac fluid Treated @ avg press of 1585 psi
 w/avg rate of 14.3 BPM ISIP 2100 psi Calc
 flush 3935 gal Actual flush 3864 gal

04/24/06 Pump Change: Update rod and tubing details
 6/11/08 Pump Change: Updated rod and tubing detail

12/28/10 4055-4070' Frac GB6 sands as follows: Frac with
 46694# 20/40 sand in 262 bbis Lightning 17
 fluid

12/29/10 Re-Completion finalized - updated tbg and
 rod details

06/25/13 Convert to Injection Well
 06/28/13 Conversion MIT Finalized - update tbg
 detail



PERFORATION RECORD

6-10-05	5131-5139'	4 JSPF	32 holes
6-10-05	5109-5113''	4 JSPF	16 holes
6-13-05	4980-5007'	4 JSPF	108 holes
6-13-05	4808-4817'	4 JSPF	36 holes
6-16-05	4653-4663'	4 JSPF	40 holes
6-16-05	3937-3946'	4 JSPF	36 holes
12-28-10	4066-4070'	3 JSPF	12 holes
12-28-10	4055-4060'	3 JSPF	15 holes

NEWFIELD

Jonah Federal 10-14-9-16
 1730' FSL & 1820' FEL
 NW/SE Section 14-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32662; 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

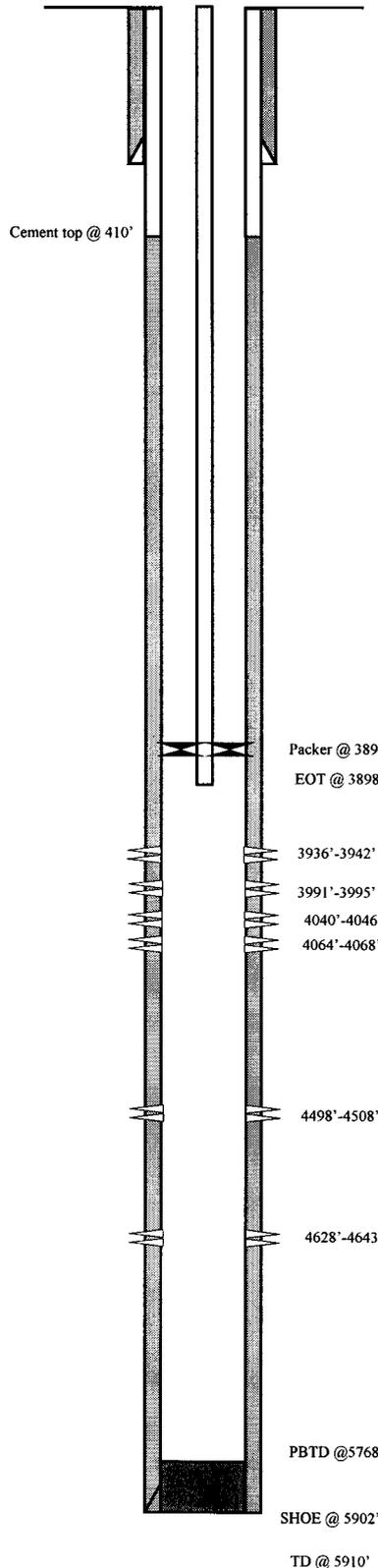
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302-46')
 DEPTH LANDED: 314.31' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

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 16-14-9-16

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

Injection Wellbore Diagram

SURFACE CASING

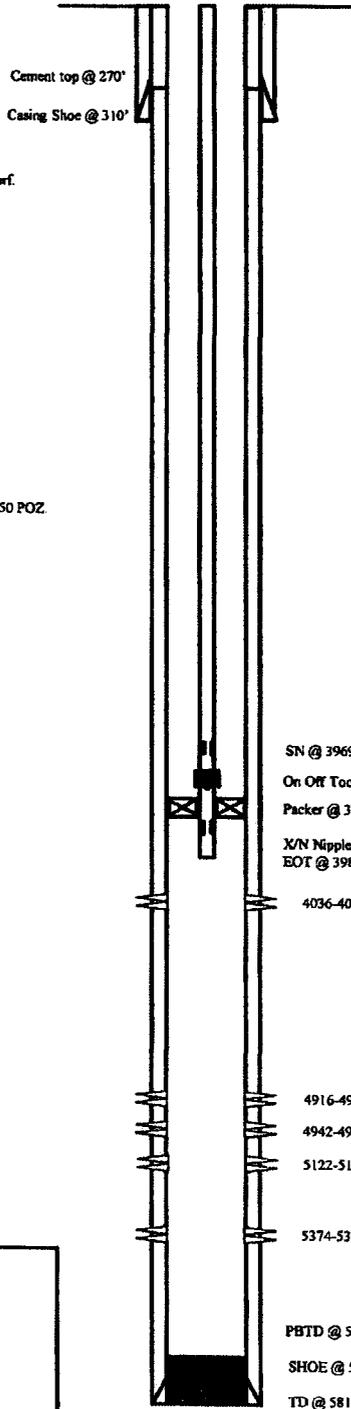
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (302.62')
 DEPTH LANDED: 310.02' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sacs Class "G" cmt, est. 4 bbls cmt to surf.

PRODUCTION CASING

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

TUBING

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



FRAC JOB

11-08-05 5374-5380' **Frac CP2 sands as follows:**
 24617# 20/40 sand in 360 bbls Lightning 17 frac fluid Treated @ avg press of 2689 psi w/avg rate of 24.8 BPM. ISIP 3370 psi. Calc flush: 5372 gal Actual flush: 4956 gal

11-08-05 5122-5132' **Frac LODC sands as follows:**
 34329# 20/40 sand in 394 bbls Lightning 17 frac fluid Treated @ avg press of 2632 psi w/avg rate of 24.8 BPM. ISIP 2720 psi. Calc flush: 5120 gal Actual flush: 4830 gal

11-09-05 4916-4954' **Frac A1, & A3 sands as follows:**
 75312# 20/40 sand in 591 bbls Lightning 17 frac fluid Treated @ avg press of 1787 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4914 gal Actual flush: 3906 gal

11-09-5 4036-4042' **Frac GB6 sands as follows:**
 25272# 20/40 sand in 301 bbls Lightning 17 frac fluid Treated @ avg press of 2043 psi w/avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush: 4034 gal Actual flush: 3948 gal

6/8/09 **Pump Change** Updated rod & tubing details.
 12/19/12 **Convert to Injection Well**
 12/20/12 **Conversion MITT Finalized** - update thg detail

PERFORATION RECORD

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

NEWFIELD

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

FEDERAL 13-13-9-16

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

Initial Production: 53 BOPD,
 3 MCFD, 88 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

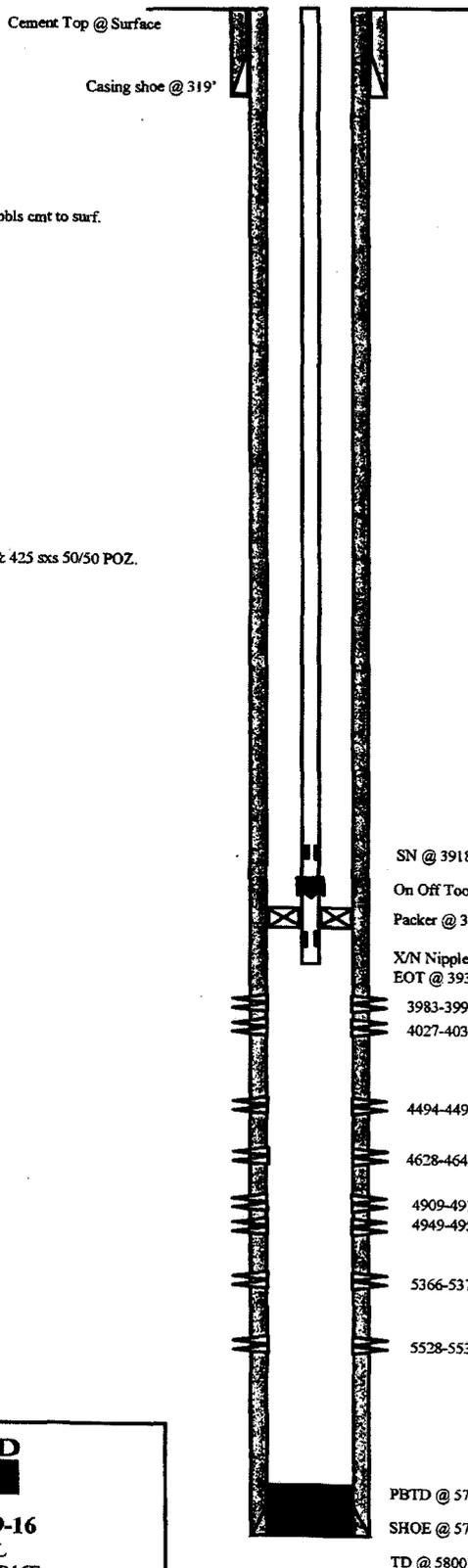
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (309.33')
 DEPTH LANDED: 319.33' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

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

TUBING

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



FRAC JOB

05/15/07	5528-5533'	Frac CP3 sands as follows: 14792# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2351 psi w/avg rate of 24.8 BPM. ISIP 2074 psi. Calc flush: 5526 gal. Actual flush: 5019 gal.
05/15/07	5366-5374'	Frac CP1 sands as follows: 40830# 20/40 sand in 346 bbls Lightning 17 frac fluid. Treated @ avg press of 1857 psi w/avg rate of 22.6 BPM. ISIP 1997 psi. Calc flush: 5364 gal. Actual flush: 4868 gal.
05/18/07	4909-4959'	Frac A1&3 sands as follows: 67943# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1919 psi w/avg rate of 24.7 BPM. ISIP 1970 psi. Calc flush: 4907 gal. Actual flush: 4406 gal.
05/18/07	4628-4642'	Frac C sands as follows: 29975# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1884 psi w/avg rate of 24.7 BPM. ISIP 1910 psi. Calc flush: 4626 gal. Actual flush: 4124 gal.
05/18/07	4494-4499'	Frac D1 sands as follows: 14891# 20/40 sand in 237 bbls Lightning 17 frac fluid. Treated @ avg press of 1954 psi w/avg rate of 24.7 BPM. ISIP 1980 psi. Calc flush: 4492 gal. Actual flush: 3990 gal.
05/18/07	3983-4035'	Frac GB4&6 sands as follows: 56438# 20/40 sand in 443 bbls Lightning 17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 7 BPM. ISIP 1685 psi. Calc flush: 3981 gal. Actual flush: 3910 gal.
7/17/08		Pump change. updated rod and tubing detail.
1/20/2010		Pump change. Updated rod and tubing detail.
12/11/12		Conversion to Injection Well
12/12/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

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

NEWFIELD

FEDERAL 13-13-9-16
 555' FSL & 344' FWL
 SW/SW Section 13-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32650; Lease # UTU-64805



Schematic

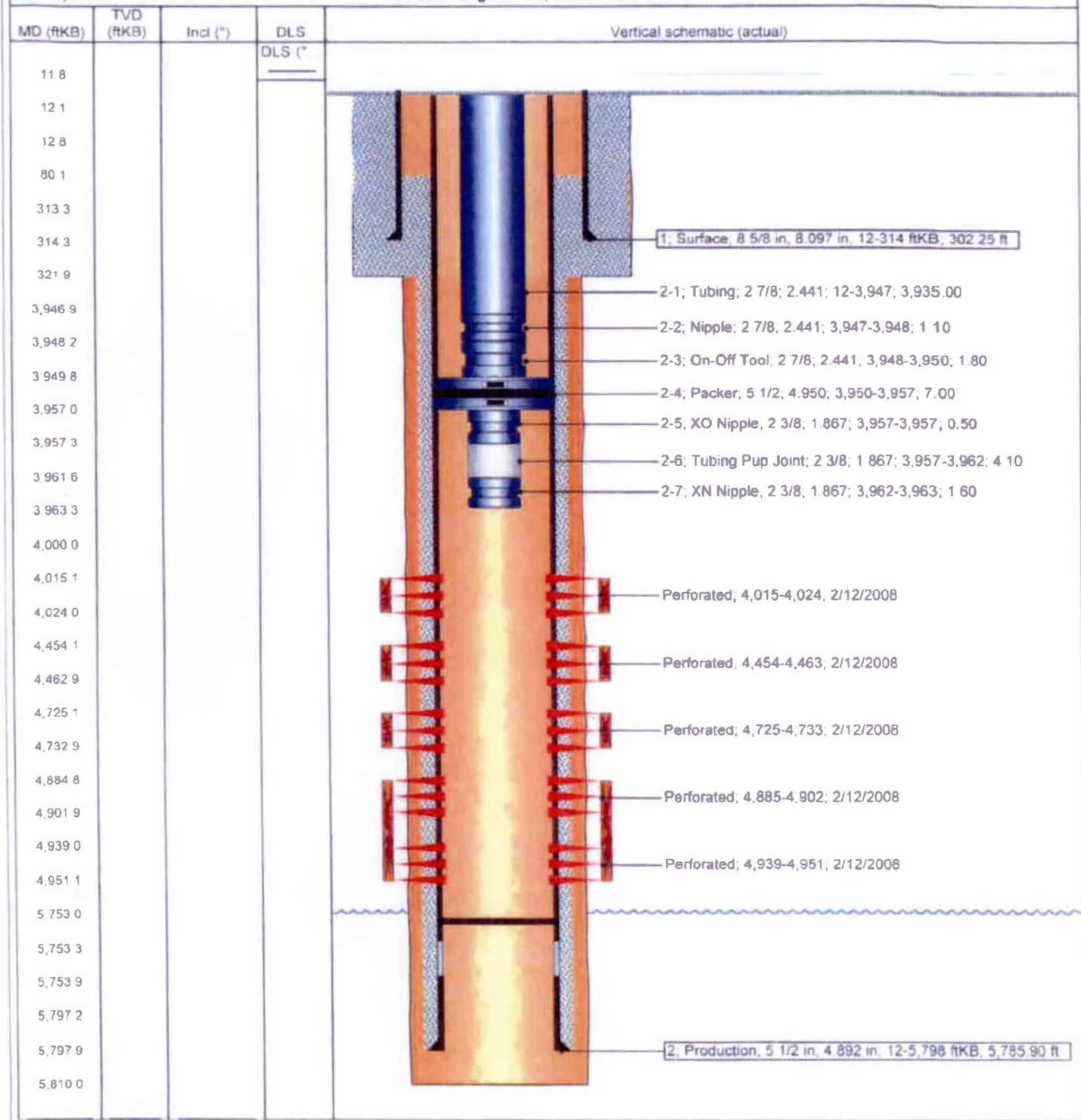
43-013-32961

Well Name: Federal 8-23-9-16

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

Most Recent Job				
Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 2/14/2014	Job End Date 2/25/2014

TD: 5,810.0 Vertical - Original Hole, 9/9/2014 9:42:28 AM



FEDERAL 2-23-9-16

Spud Date: 12/06/07
 Put on Production: 02/11/08
 GI: 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: BOT @ 4454.74'

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.

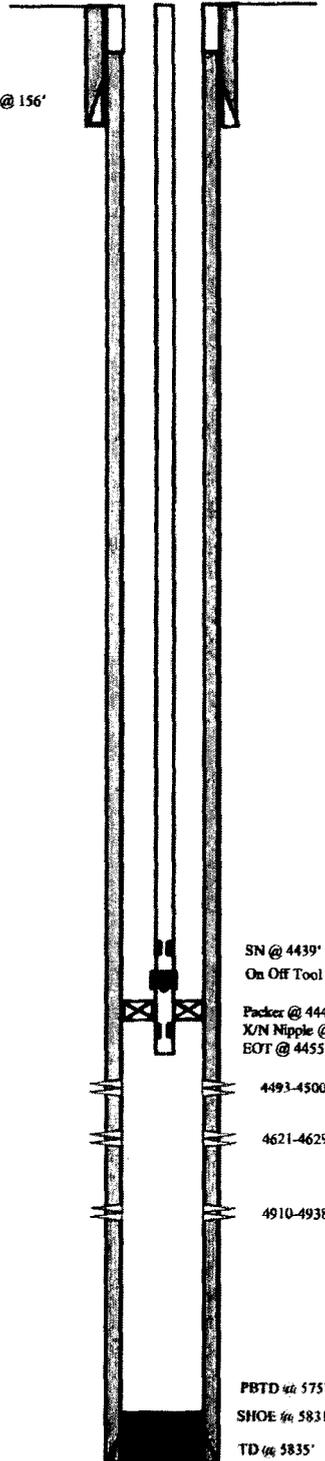
02/06/08 4493-4500' Frac D1 sands as follows:
 9119# 20/40 sand in 237 bbl Lightning 17
 frac fluid. Treated @ avg press of 2210 psi
 w/avg rate of 23.5 BPM. ISIP 2088 psi.

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 rbg
 detail



PERFORATION RECORD

4910-4938'	4 JSPP	112 holes
4621-4629'	4 JSPP	32 holes
4493-4500'	4 JSPP	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 4-24-9-16

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

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

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

TUBING

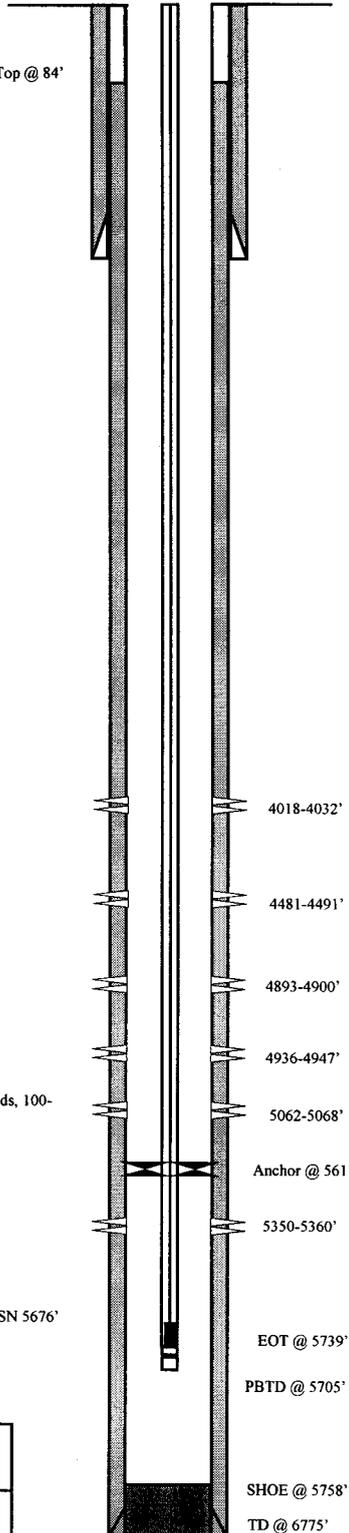
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 182 jts (5610.75')
 TUBING ANCHOR: 5610.75' KB
 NO. OF JOINTS: 2 jts (62.42')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5675.97' KB
 NO. OF JOINTS: 2 jts (61.58')
 TOTAL STRING LENGTH: EOT @ 5739.10' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 1-2", & 1-6' x 3/4" pony rods, 100-3/4" scraped rods, 100-3/4" plain rods, 20-3/4" scraped rods, 6-1 1/2" weight rods.
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 10x 14' RHAC
 STROKE LENGTH: 102"
 PUMP SPEED, 4.5 SPM:

FRAC JOB

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



PERFORATION RECORD

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

NEWFIELD

FEDERAL 4-24-9-16

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

Attachment E-8

Federal 3-24-9-16

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

Initial Production: 56.4 BOPD,
 25.0 MCFD, 34.3 BWPD

Injection Wellbore Diagram

SURFACE CASING

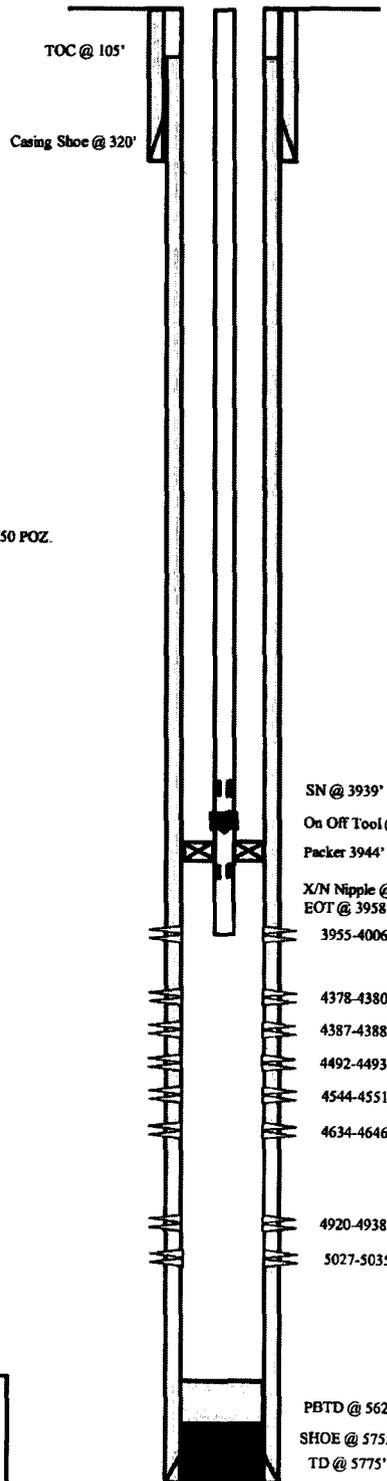
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311')
 DEPTH LANDED: 320'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cont

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 148 jts. (5741.47') Includes Shoe It. (39.25')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5754.72'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 105'

TUBING

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



FRAC JOB

11-7-07	5027-5035'	Frac LODC sands as follows: 15,380# 20/40 sand in 274 bbls Lightning 17 fluid. Treat at 3260 psi @ 22.5 BPM. ISIP 2956 psi. Calc flush: 5025 gal. Actual flush: 4519 gal.
11-16-07	4920-4938'	Frac A1 sands as follows: 90,793# 20/40 sand in 690 bbls Lightning 17 fluid. Treat at 2002 psi @ 24.75 BPM. ISIP 2240 psi. Calc flush: 4918 gal. Actual flush: 4414 gal.
11-16-07	4634-4646'	Frac C sands as follows: Frac with 49,940 # 20/40 sand in 449 bbls Lightning 17 fluid. Treat at 1978 psi @ 24.8 BPM. ISIP 1897 psi. Calc flush: 4632 gal. Actual flush: 4129 gal.
11-16-07	4544-5441'	Frac D2 sand as follows: Frac with 14,138# 20/40 sand in 261 bbls Lightning 17 fluid. Treat at 2280psi @ 24.9 BPM. ISIP 1934 psi. Calc flush: 4542 gal. Actual flush: 3952 gal.
11-16-07	3995-4006'	Frac GB-6 sands as follows: Frac with 38,509# 20/40 sand in 377 bbls Lightning 17 fluid. Treat at 1729 psi @ 24.8 BPM. ISIP 1934 psi. Calc flush: 3993 gal. Actual flush: 4032 gal.
7/6/09		Major Workover. Updated rod & tubing detail.
5/4/2010		Tubing leak. Updated rod and tubing detail.
6/9/2011		Tubing leak. Updated rod & tubing detail.
10/08/12	4378-4493'	Frac D1 & DS1 sands as follows: Frac with 29832# 20/40 sand in 362 bbls Lightning 17 fluid.
10/09/12		Convert to Injection Well
10/12/12		Conversion MIT Finalized - update thg detail

PERFORATION RECORD

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

NEWFIELD

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

NEWFIELD

Schematic

43-013-30662

Well Name: **Federal 7-23-9-16**

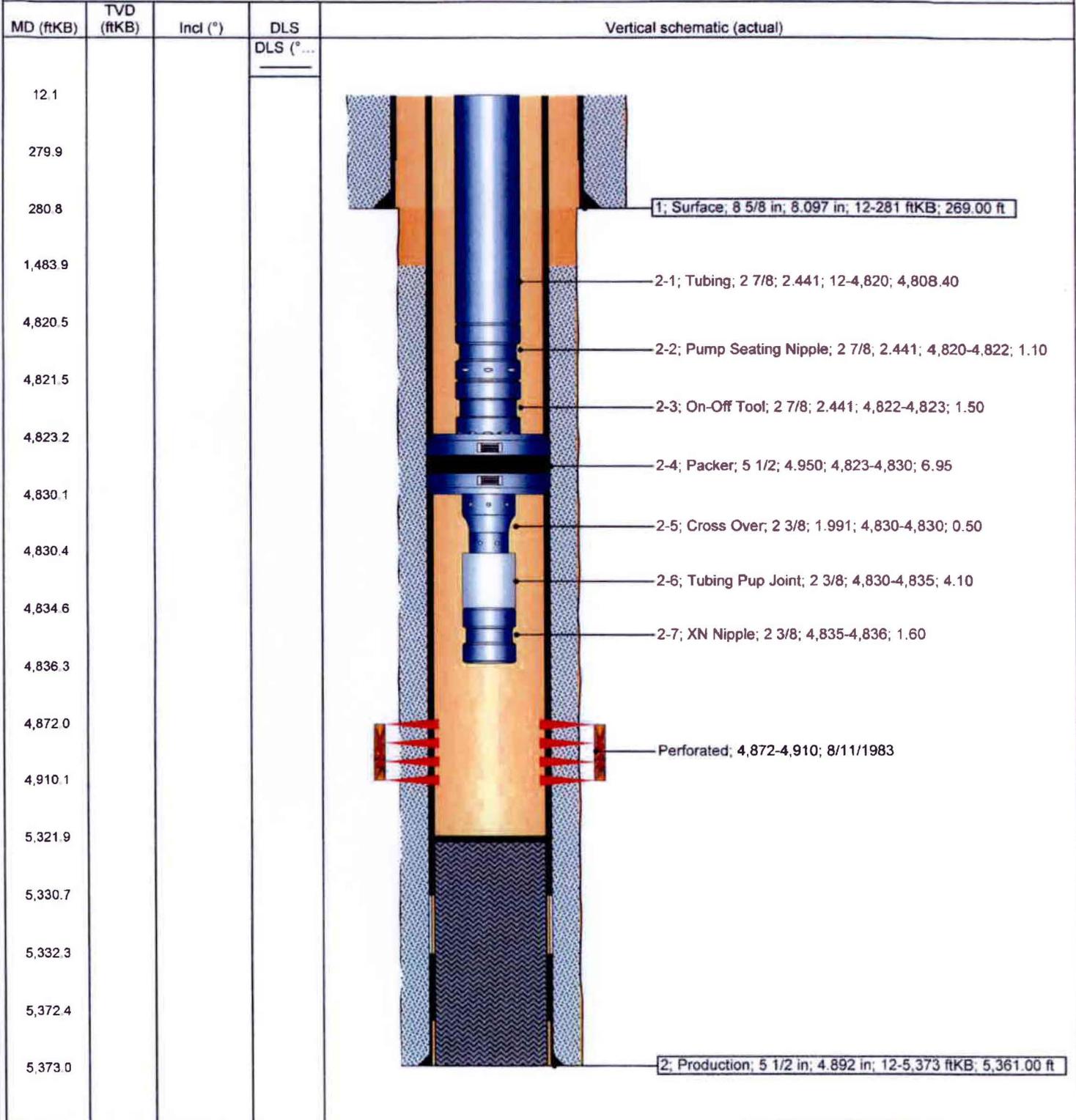
Surface Legal Location 1967' FNL & 1985' FEL SWNE SECTION 23-T9S-R16E		API/UWI 43013306620000	Well RC 500150872	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 7/21/1983	Rig Release Date 8/8/1983	On Production Date 8/26/1983	Original KB Elevation (ft)	Ground Elevation (ft) 5,706	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,322.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 4/16/2014	Job End Date
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TD: 5,373.0

Vertical - Original Hole, 4/28/2014 9:20:25 AM



Monument Butte Federal #8-23-8-16

Spud Date: 11/28/00
 Put on Production: 12/31/99
 GL: 5393.6' KB: 5403.6'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 JTS (313')
 DEPTH LANDED: 324.84' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sxs Class "G" cmt w/ 2% CaCl2 & 1/4#/sk Cello-Flake (3 bbls to surface)

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5 ppf
 LENGTH: 147 jts (6279')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 311 sxs Prem Lite II w/ 10% Gel & 3% KCl & 0.5% S.M. & 3#/sk CSE & 2#/sk Kol-Seal & 1/4#/sk Cello-Flake
 522 sxs 50-50 POZ w/ 2% Gel & 3% KCl & 3% S.M. & 1/4#/sk Cello-Flake 20 bbl dye to sfc.
 CEMENT TOP AT:
 SET AT: 6290.63' KB

TUBING

SIZE/GRADE/WT: 2-7/8" / 6.5" B" M-50
 NO. OF JOINTS: 179 jts (5524')
 TUBING ANCHOR: 5534' KB
 NO. OF JOINTS: 3 jts (93.63')
 SEATING NIPPLE: 2-7/8" 1.10"
 SN LANDED AT: 5630.43' KB
 NO. OF JOINTS: 2 jts (62.21')
 TOTAL STRING LENGTH: EOT @ 5694.19'

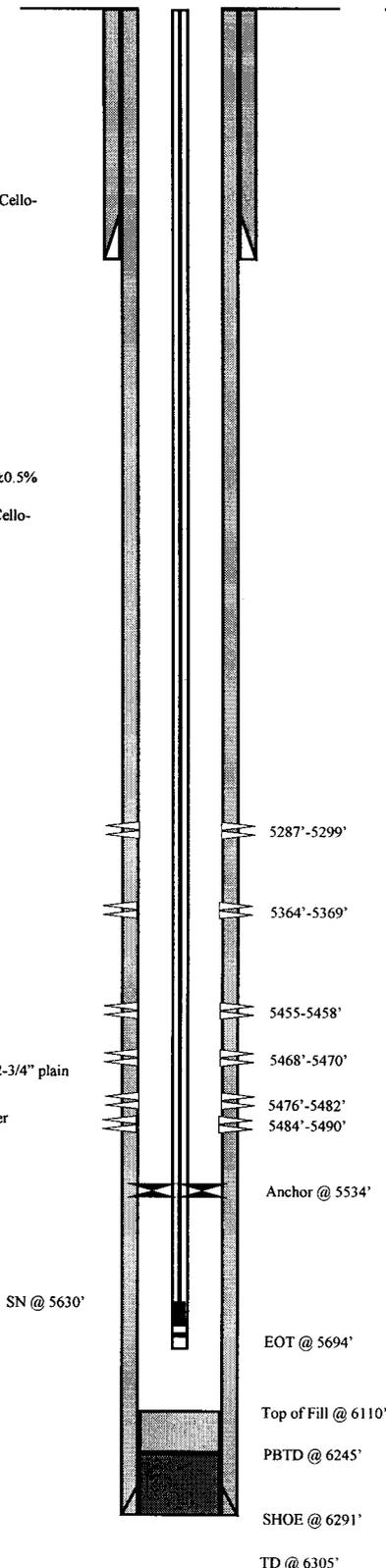
SUCKER RODS

POLISHED ROD: 1-1/2"x22' polished rod
 SUCKER RODS: 6 1-1/2" weight bars, 10-3/4" scraped rods, 112-3/4" plain rods, 96-3/4" scraped rods, 1-8", 1-2" x 3/4" pony rods
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 15' RHAC pump w/ SM plunger
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 5 SPM
 LOGS: DIGL, SP, GR, CAL, Neutron, Comp. Density

FRAC JOB

12-23-99 5455'-5490' Frac C sands: 62,802# 20/40 sand in 513 bbl Viking I-25 fluid. Perfs broke down at 2750 psi. Treated at avg. pressure of 1700 psi w/ avg. rate of 26 BPM. ISIP-2500 psi, 5 min.-2400 psi.
 12-23-99 5287'-5369' Frac D sands: 70,255# 20/40 sand in 477 bbl Viking I-25 fluid. Perfs broke down at 2100 psi. Treated at avg. pressure of 1350 psi w/ avg. rate of 30 bpm. ISIP-2150 psi, 5 min.-2030 psi.
 1/10/03 Pump change. Update rod and tubing details.
 6/11/08 Stuck pump. Update rod and tubing details.

Outside AOR



PERFORATION RECORD

Date	Interval	Tool	Holes
12-23-99	5287'-5299'	4 JSPF	48 holes
12-23-99	5364'-5369'	4 JSPF	20 holes
12-23-99	5455'-5458'	4 JSPF	12 holes
12-23-99	5468'-5470'	4 JSPF	8 holes
12-23-99	5476'-5482'	4 JSPF	24 holes
12-23-99	5484'-5490'	4 JSPF	24 holes



Monument Butte Federal #8-23
 1787' FNL 535' FEL
 SENE Section 23-T&S-R16E
 Duchesne Co, Utah
 API #43-013-32101; Lease #UTU-76560

Castle Peak Federal 12-24-9-16

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

Injection Wellbore Diagram

SURFACE CASING

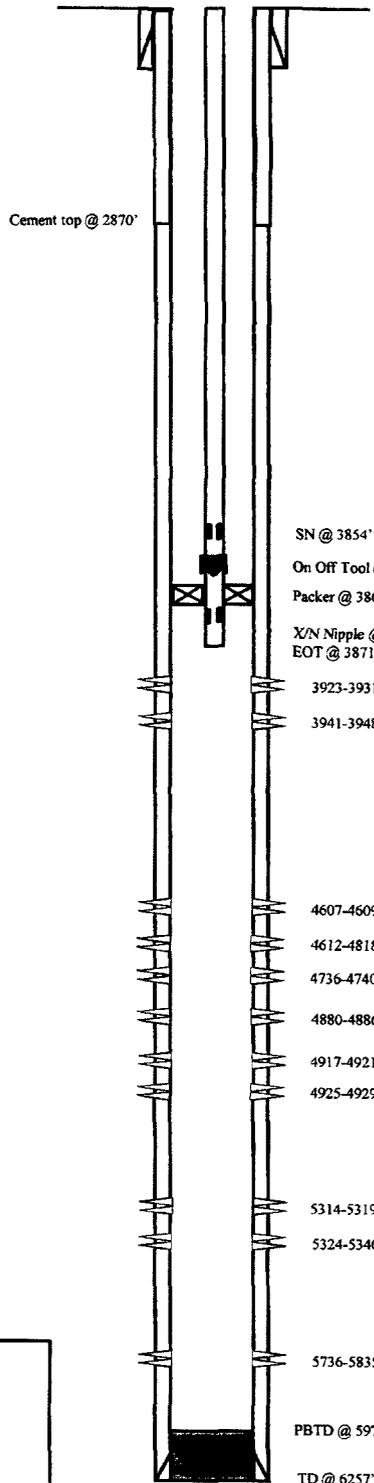
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: jts (294')
 DEPTH LANDED: 294' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA:

PRODUCTION CASING

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

TUBING

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



FRAC JOB

9-21-81 Spud Well
 10-24-81 Perf: 5,736'-5,835'
 10-30-82 Frac BGR zone as follows: Totals 3,000 gal, 2,000# sd Avg TP 2,300 ISIP 1,580, after 5 min 1,450
 11-3-81 Perf: 5,324'-5,340', 5,314'-5,319'
 Frac CP-1 zone as follows: Totals 26,500 gal, 40,000# 20/40 sd 9,000# 10/20 sd ISIP 2,160, after 5 min 2,120
 9-29-82 Perf: 4,607'-4,609', 4,612'-4,618'
 9-30-82 Frac C-SD zone as follows: Totals 35,500 gal, 85,000# 20/40 sd Max TP 2,800 @ 30 BPM Avg TP 2,400 @ 30 BPM ISIP 2,000, after 5 min 1,750
 10-5-82 Perf: 3,923'-3,931', 3,941'-3,948'
 10-6-82 Frac GB-6 zone as follows: Totals 35,500 gal, 85,000# 20/40 sd Max TP 2,400 @ 30 BPM Avg TP 1,900 @ 30 BPM ISIP 1,700, after 5 min 1,575
 5/11/2009 **Re-Completion**
 5/11/2009 5314-5340' Frac stg#1 CPI sds as follows: 80,105# 20/40 sand in 740 bbls of Lightning 17 fluid. Treated @ ave pressure of 3498 w/ ave rate of 17 bpm w/ 6 ppg sand. ISIP was 2198 w/ 85FG. 5 minutes was 2145. 10 min was 2135. 15 min was 2126 (10 psi on casing).
 SN @ 3854'
 On Off Tool @ 3855'
 Packer @ 3861' 5/11/2009 4880-4929' Frac A sds as follows: 50,237# 20/40 sand in 488 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4470 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 1946 w/ 83FG. 5 minutes was 1919. 10 min was 1807. 15 min was 1734 (0 psi on casing).
 X/N Nipple @ 3869'
 EOT @ 3871'
 3923-3931'
 3941-3948' 5/11/2009 4736-4740' Frac B1 sds as follows: 16,144# 20/40 sand in 208 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4147 w/ ave rate of 17.1 bpm w/ 6 ppg sand. ISIP was 2014 w/ 86FG. 5 minutes was 1646. 10 min was 1607. 15 min was 1586 (0 psi on casing).
 11/21/12 **Convert to Injection Well**
 11/27/12 **Conversion MIT Finalized - update tbg detail**

PERFORATION RECORD

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

NEWFIELD

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

NEWFIELD

Schematic

43-013-30054

Well Name: Federal 9-23-9-16

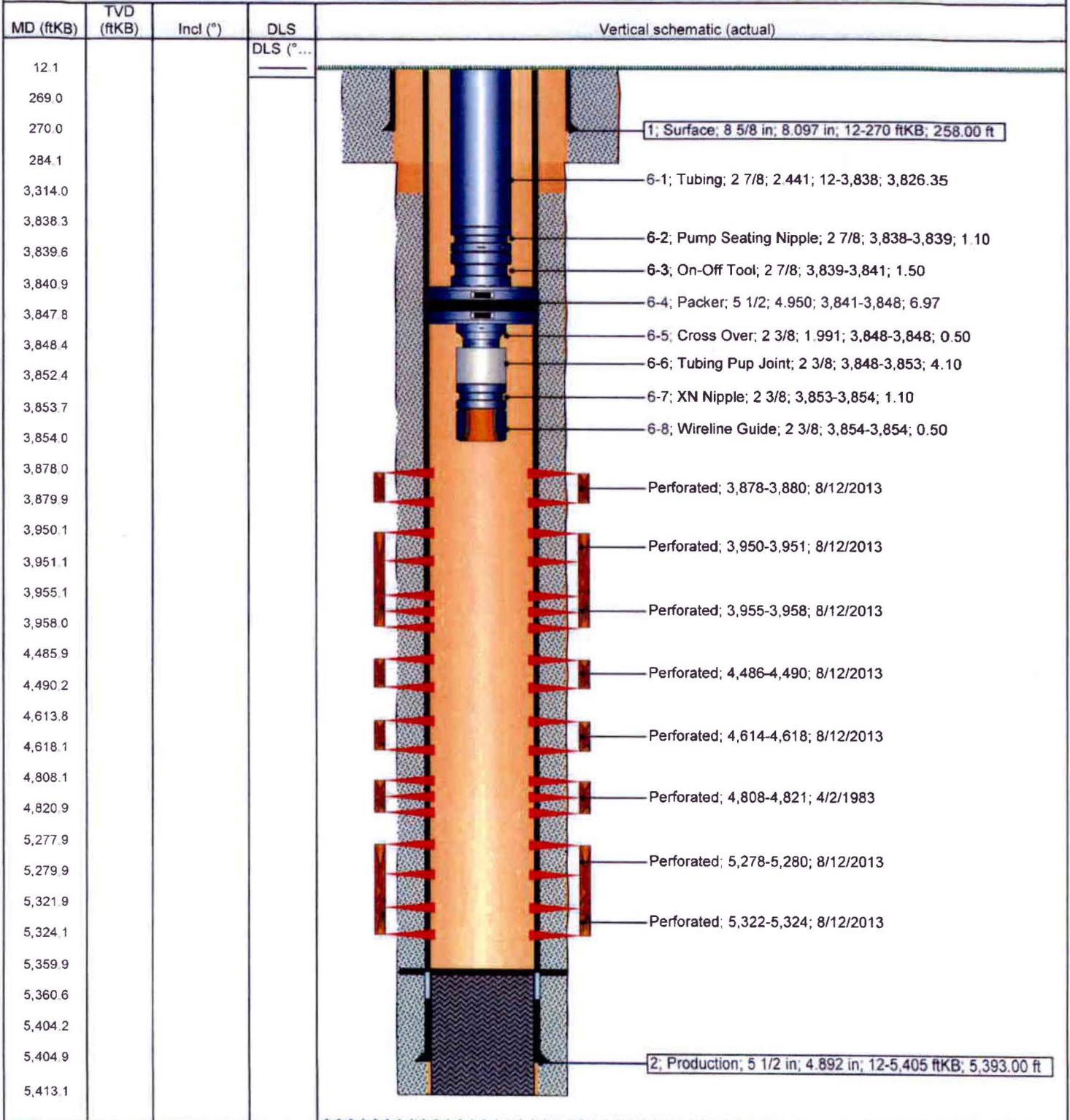
Surface Legal Location 23-9S-16E		API/UWI 43013306540000	Well RC 500151687	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 3/10/1983	Rig Release Date 3/23/1983	On Production Date 4/16/1983	Original KB Elevation (ft) 5,675	Ground Elevation (ft) 5,663	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,360.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 8/22/2014	Job End Date 8/26/2014
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TD: 5,413.0

Vertical - Original Hole, 8/27/2014 9:10:45 AM



43-013-51682

Well Name: **GMBU C-23-9-16**

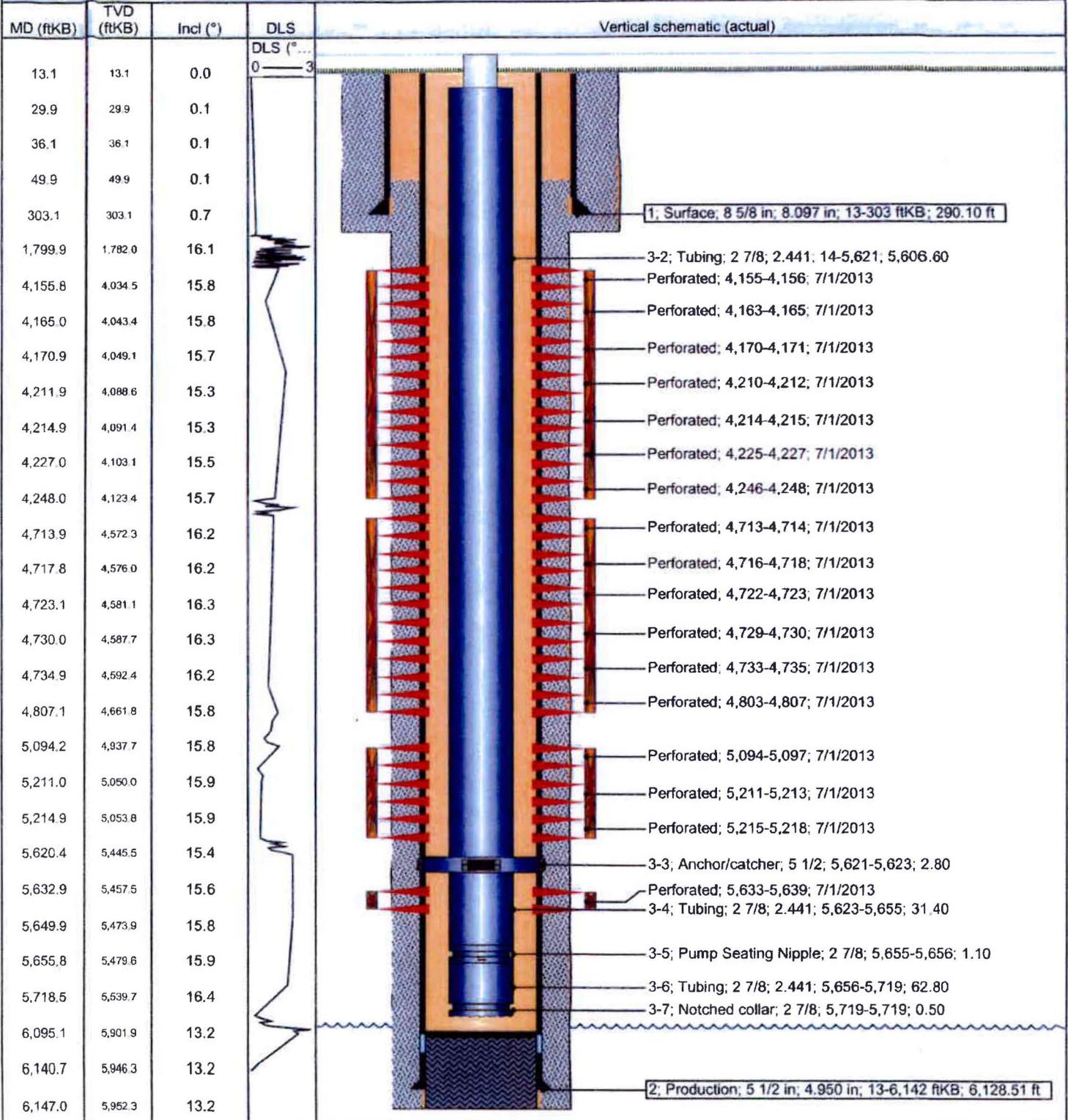
Surface Legal Location 23-9S-16E	API/UWI 43013518820000	Well RC 500346786	Lease	State/Province Utah	Field Name GMBU CTB6	County DUCHESNE
Spud Date 5/30/2013	Rig Release Date 6/20/2013	On Production Date 7/12/2013	Original KB Elevation (ft) 5,759	Ground Elevation (ft) 5,746	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 6,095.1

Most Recent Job

Job Category Production / Workover	Primary Job Type Other	Secondary Job Type N/A	Job Start Date 9/17/2014	Job End Date 9/22/2014
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TD: 6,147.0

Slant - Original Hole, 10/1/2014 12:20:47 PM



43-013-52283

Well Name: GMBU D-24-9-16

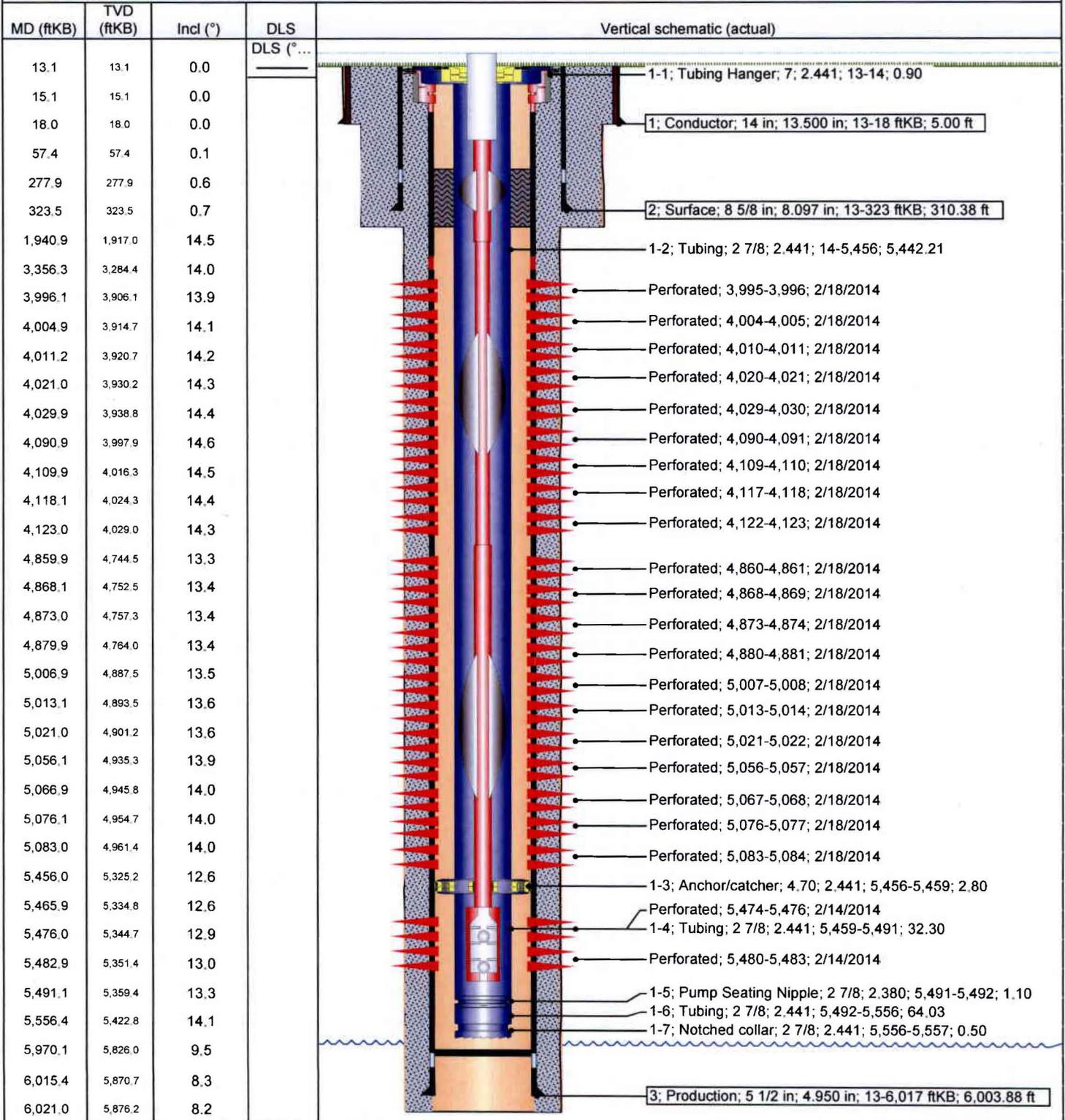
Surface Legal Location SESW 769 FSL 1923 FWL Sec 13 T9S R16E Mer SLB		API/UWI 43013522830000	Well RC 500360792	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 1/20/2014	Rig Release Date 2/3/2014	On Production Date 2/26/2014	Original KB Elevation (ft) 5,595	Ground Elevation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

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/14/2014	Job End Date 2/26/2014
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TD: 6,021.0

Slant - Original Hole, 4/9/2014 2:57:03 PM



NEWFIELD

Schematic

43-013-52286

Well Name: GMBU Q-13-9-16

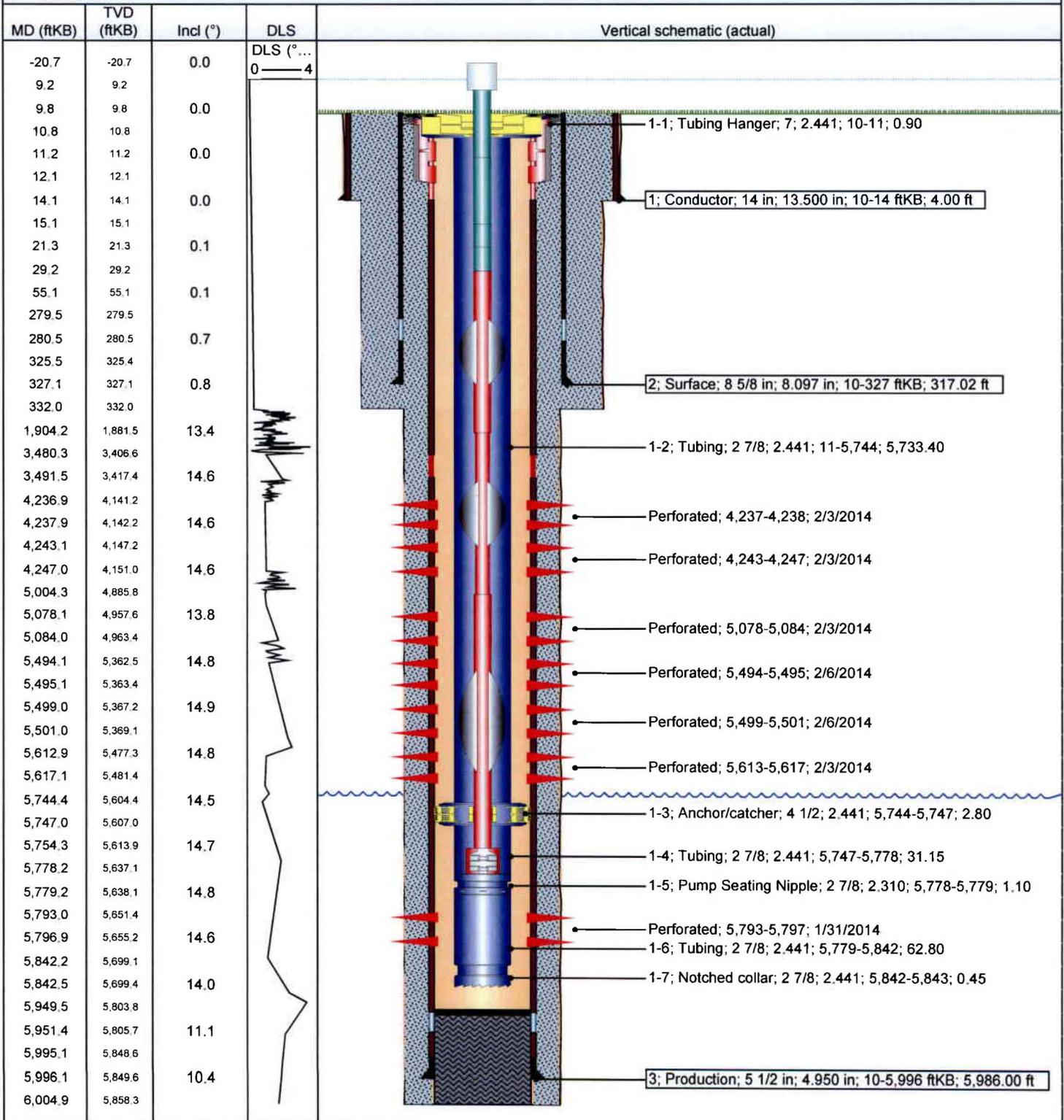
Surface Legal Location NWSW 2054 FSL 675 FWL Sec 13 T9S R16E Mer SLB		API/UWI 43013522860000	Well RC 500346522	Lease UTU64805	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/28/2013	Rig Release Date 1/16/2014	On Production Date	Original KB Elevation (ft) 5,564	Ground Elevation (ft)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

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/31/2014	Job End Date 2/10/2014
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TD: 6,005.0

Slant - Original Hole, 3/7/2014 7:26:35 AM



Multi-Chem Group, LLC

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



Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-33968**

Well Name: **Mon BT 1-23-9-16**

Sample Point: **tank**

Sample Date: **11/19/2009**

Sales Rep: **Randy Huber**

Lab Tech: **Peter Poulsen**

Sample Specifics	
Test Date:	11/19/2009
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0120
pH:	8.6
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	20192
Molar Conductivity (µS/cm):	30594
Resitivity (Mohm):	0.3269

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	40.00	Chloride (Cl):	9000.00
Magnesium (Mg):	-	Sulfate (SO₄):	23.00
Barium (Ba):	5.00	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	3904.00
Sodium (Na):	7184.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	35.00
Iron (Fe):	0.81	Phosphate (PO₄):	-
Manganese (Mn):	0.12	Silica (SiO₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO₃):	-
Ammonia (NH₃):	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100	0	33.64	56.10	0.00	-2951.60	0.00	-3092.60	-	-	1.77	3.35	0.18
80	0	28.45	61.63	0.00	-3.68	0.00	-3277.50	-	-	2.71	5.01	0.10
100	0	33.64	56.10	0.00	-2.36	0.00	-3092.60	-	-	1.77	3.35	0.12
120	0	37.06	51.73	0.00	-1.67	0.00	-2812.00	-	-	1.19	1.17	0.14
140	0	38.99	48.88	0.00	-1.28	0.00	-2476.30	-	-	0.81	-1.60	0.15
160	0	39.45	47.70	0.00	-1.07	0.00	-2121.60	-	-	0.57	-5.03	0.17
180	0	38.58	48.04	0.00	-0.96	0.00	-1775.40	-	-	0.40	-9.18	0.18
200	0	36.65	49.60	0.00	-0.92	0.00	-1456.10	-	-	0.29	-14.12	0.18
220	2.51	33.69	52.23	0.00	-0.94	0.00	-1188.30	-	-	0.20	-20.42	0.18
240	10.3	30.48	54.87	0.00	-0.98	0.00	-944.11	-	-	0.15	-27.40	0.18
260	20.76	27.04	57.02	0.00	-1.05	0.00	-738.99	-	-	0.11	-35.53	0.18
280	34.54	23.58	57.44	0.00	-1.15	0.01	-570.21	-	-	0.08	-44.97	0.18
300	52.34	20.23	54.45	0.00	-1.27	0.01	-433.70	-	-	0.06	-55.91	0.18

Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F
Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate Scaling Index is negative from 80°F to 300°F
Strontium Sulfate scaling was not evaluated
Barium Sulfate NO CONCLUSION

Notes:



Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory

1553 East Highway 40

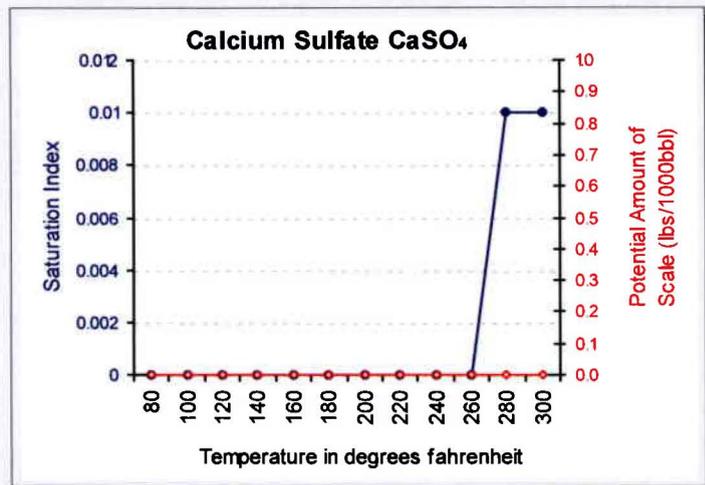
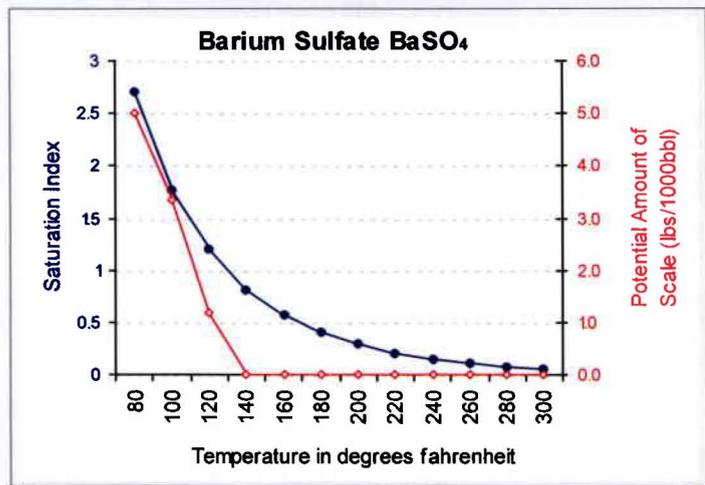
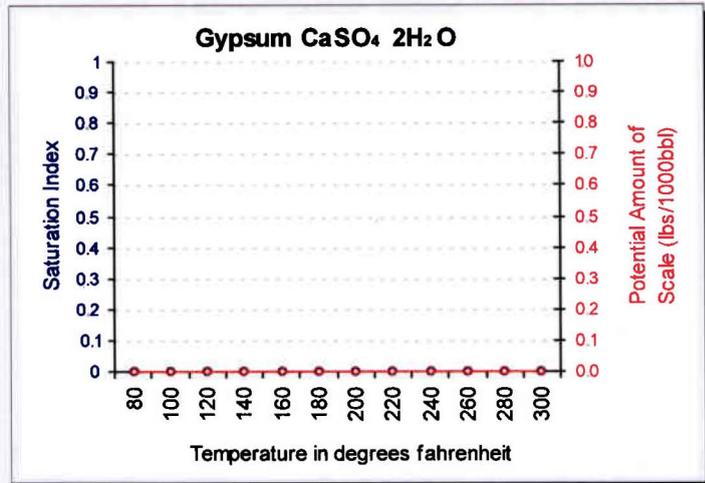
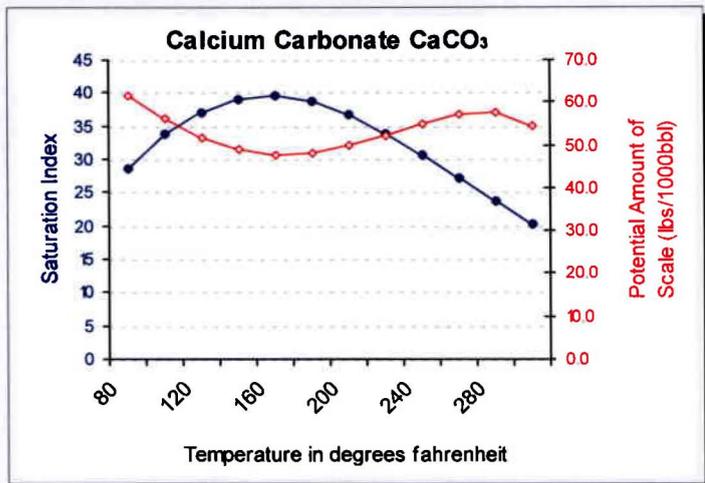
Vernal, UT 84078

multi-chem®

Scale Prediction Graphs

Well Name: Mon BT 1-23-9-16

Sample ID: WA-33968



Multi-Chem Group, LLC

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

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**
Well Name: **Beluga Injection**
Sample Point: **Tri-plex Suction**
Sample Date: **1 /5 /2010**
Sales Rep: **Randy Huber**
Lab Tech: **John Keel**

Sample ID: **WA-35267**

Sample Specifics	
Test Date:	1/5/2010
Temperature (°F):	90
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0090
pH:	8.9
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	10446
Molar Conductivity (µS/cm):	15828
Resitivity (Mohm):	0.6318

Analysis @ Properties in Sample Specifics				
Cations		mg/L	Anions	mg/L
Calcium (Ca):		80.00	Chloride (Cl):	5000.00
Magnesium (Mg):		24.40	Sulfate (SO₄):	419.00
Barium (Ba):		1.00	Dissolved CO₂:	-
Strontium (Sr):		-	Bicarbonate (HCO₃):	1195.00
Sodium (Na):		3720.00	Carbonate (CO₃):	-
Potassium (K):		-	H₂S:	4.50
Iron (Fe):		1.85	Phosphate (PO₄):	-
Manganese (Mn):		0.50	Silica (SiO₂):	-
Lithium (Li):		-	Fluoride (F):	-
Aluminum (Al):		-	Nitrate (NO₃):	-
Ammonia NH₃:		-	Lead (Pb):	-
			Zinc (Zn):	-
			Bromine (Br):	-
			Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
90	0	49.24	111.17	0.02	-2085.20	0.01	-2351.30	-	-	12.30	1.56	0.02
80	0	44.16	105.89	0.02	47.31	0.01	-2417.70	-	-	15.21	1.59	0.02
100	0	53.68	113.99	0.02	48.69	0.01	-2260.90	-	-	10.01	1.53	0.02
120	0	60.39	114.38	0.02	48.41	0.02	-2025.80	-	-	6.75	1.45	0.02
140	0	64.25	111.45	0.02	47.46	0.02	-1746.70	-	-	4.64	1.33	0.02
160	0	64.90	105.75	0.03	46.17	0.03	-1453.00	-	-	3.24	1.17	0.02
180	0	62.66	95.44	0.03	44.37	0.04	-1167.30	-	-	2.30	0.96	0.03
200	0	58.21	81.42	0.04	41.69	0.06	-904.51	-	-	1.65	0.67	0.03
220	2.51	52.02	67.58	0.04	37.93	0.09	-682.32	-	-	1.18	0.25	0.03
240	10.3	45.61	54.64	0.05	32.65	0.14	-482.88	-	-	0.86	-0.28	0.03
260	20.76	39.13	43.84	0.05	26.60	0.23	-316.86	-	-	0.63	-0.97	0.02
280	34.54	32.95	35.19	0.05	20.60	0.38	-182.37	-	-	0.47	-1.89	0.02
300	52.34	27.27	28.42	0.06	15.23	0.62	-76.59	-	-	0.35	-3.09	0.02

Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F
Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate Scaling Index is negative from 80°F to 300°F
Strontium Sulfate scaling was not evaluated
Barium Sulfate NO CONCLUSION

Notes:



multi-chem®

Multi-Chem Group, LLC

Multi-Chem Analytical Laborator

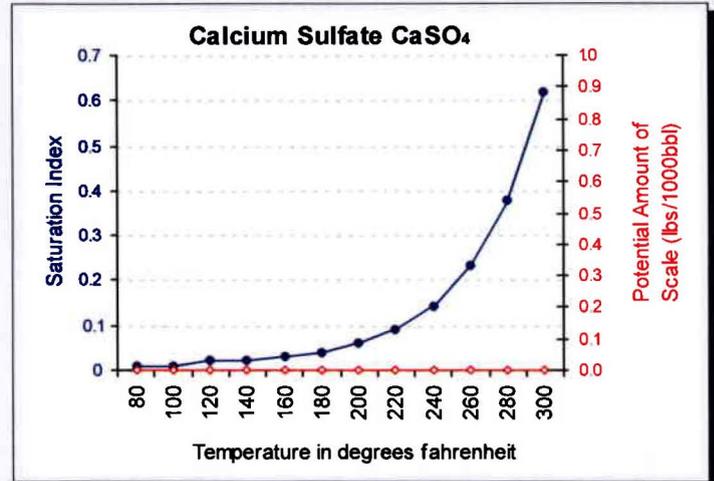
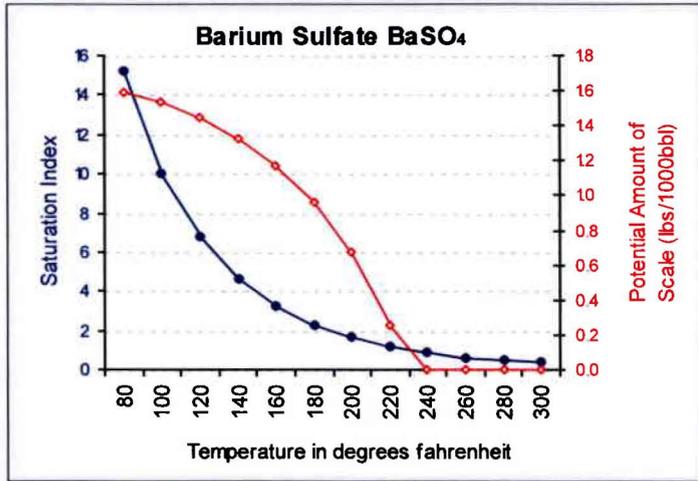
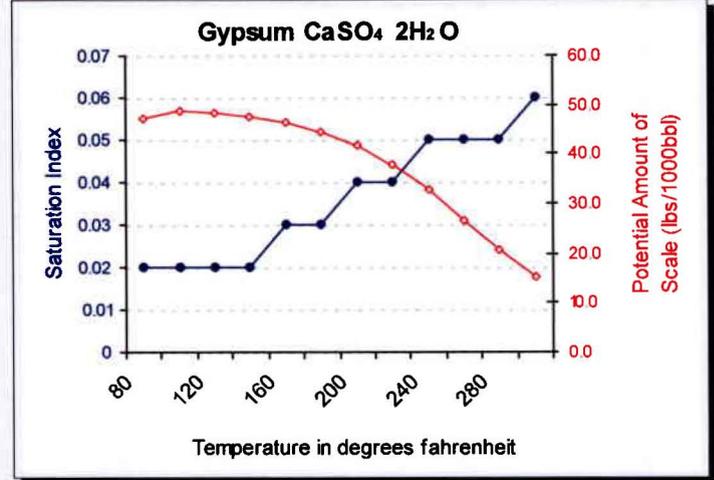
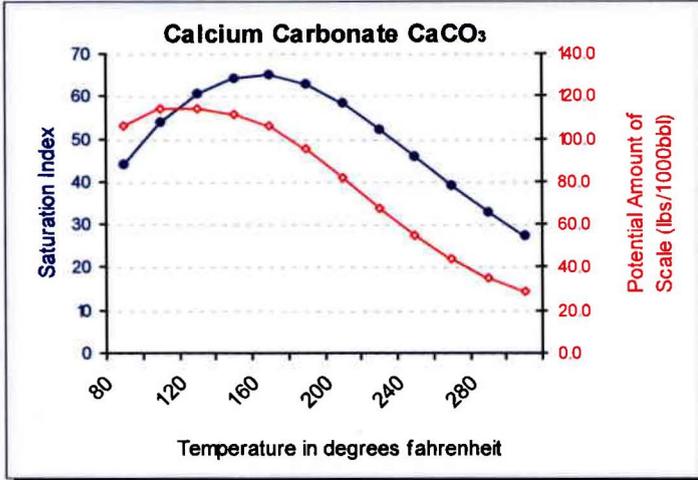
1553 East Highway 40

Vernal, UT 84078

Scale Prediction Graphs

Well Name: **Beluga Injection**

Sample ID: **WA-35267**



Attachment "G"

**Federal #1-23-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5365	5373	5369	1913	0.79	1878
4898	4916	4907	2091	0.86	2059
4951	4963	4957	2091	0.86	2059
4007	4018	4013	1697	0.86	1671 ←
				Minimum	<u><u>1671</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.

NEWFIELD



Attachment G-1
1 of 2

DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 Report Date: 12-Feb-08 Day: 1
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 321' Prod Csg: 5 1/2" @ 5784' Csg PBDT: 5707' WL
 Tbg: Size: _____ Wt: _____ Grd: _____ Pkr/EOT @: _____ BP/Sand PBDT: _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP1 sds	5365-5373'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Feb-08 SITP: _____ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5707' & cement top @ 91'. Perforate stage #1. CP1 sds @ 5365- 73' 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. 137 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 137 Starting oil rec to date: _____
 Fluid lost/recovered today: 0 Oil lost/recovered today: _____
 Ending fluid to be recovered: 137 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

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

COSTS

Weatherford BOP	\$540
NPC NU crew	\$300
NDSI trucking	\$800
Perforators LLC	\$5,504
Drilling cost	\$326,272
D&M hot oil	\$472
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

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

Completion Supervisor: Orson Barney

DAILY COST: \$340,188
 TOTAL WELL COST: \$340,188

NEWFIELD



Attachment B1
2 of 7

DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 **Report Date:** 19-Feb-08 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 321' **Prod Csg:** 5 1/2" @ 5784' **Csg PBDT:** 5707' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBDT:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP1 sds	5365-5373'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Feb-08 **SITP:** _____ **SICP:** 0 psi

Day 2a. Stage #1, CP1 sands.
 RU BJ Services. 0 psi on well. Frac CP1 sds w/ 22,746#'s of 20/40 sand in 347 bbls of Lightning 17 fluid. Broke @ 3471 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 2152 psi @ ave rate of 23 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1913 psi. Leave pressure on well. 484 BWTR See Day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 137 **Starting oil rec to date:** _____
Fluid lost/recovered today: 347 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 484 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: CP1 sands
780 gals of pre-pad of 4% Techni-Hib 767W
509 gals of flush spacer
2500 gals of pad
1915 gals W/ 1-4 ppg of 20/40 sand
3544 gals W/ 4-6.5 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/4830 gals of slick water.

COSTS

BJ Services-CP1	\$20,115
CD wtr & trucking	\$440
Zubiate wtr heat	\$1,100
Weatherford tools/serv	\$1,250
NPC trucking	\$300
NPC supervision	\$100

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2515 **Max Rate:** 23.2 BPM **Total fluid pmpd:** 347 bbls
Avg TP: 2152 **Avg Rate:** 23 BPM **Total Prop pmpd:** 22,746#'s
ISIP: 1913 **5 min:** _____ **10 min:** _____ **FG:** .79
Completion Supervisor: Orson Barney

DAILY COST: \$23,305
TOTAL WELL COST: \$363,493

NEWFIELD



Attachment G-1

3 of 7

DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 **Report Date:** 19-Feb-08 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 321' **Prod Csg:** 5 1/2" @ 5784' **Csg PBTD:** 5707' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5070'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>A1 sds</u>	<u>4898-4916'</u>	<u>4/72</u>	_____	_____	_____
<u>A3 sds</u>	<u>4951-4963'</u>	<u>4/48</u>	_____	_____	_____
<u>CP1 sds</u>	<u>5365-5373'</u>	<u>4/32</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Feb-08 **SITP:** _____ **SICP:** 1365 psi

Day 2b. Stage #2, A1 & A3 sands.

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 12' & 18' perf gun. Set plug @ 5070'. Perforate A3 sds @ 4951- 63', A1 sds @ 4898- 4916' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 120 shots (2 runs). RU BJ Services. 1365 psi on well. Frac A1 & A3 sds w/ 159,791#'s of 20/40 sand in 1105 bbls of Lightning 17 fluid. Broke @ 3520 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1790 psi @ ave rate of 23.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2091 psi. Leave pressure on well. 1589 BWTR See Day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 484 **Starting oil rec to date:** _____
Fluid lost/recovered today: 1105 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1589 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

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

Procedure or Equipment detail: A1 & A3 sands
780 gals of pre-pad of 4% Techni-Hib 767W
438 gals of flush spacer
12100 gals of pad
8000 gals W/ 1-5 ppg of 20/40 sand
16000 gals W/ 5-8 ppg of 20/40 sand
4254 gals W/ 8 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 4330 gals of slick water.

****Flush called @ blender--includes 2 bbls pump/line volume****

Max TP: 2149 **Max Rate:** 23.3 BPM **Total fluid pmpd:** 1105 bbls
Avg TP: 1790 **Avg Rate:** 23.3 BPM **Total Prop pmpd:** 159,791#'s
ISIP: 2091 **5 min:** _____ **10 min:** _____ **FG:** .86
Completion Supervisor: Orson Barney

COSTS

<u>BJ Services-A1/A3</u>	<u>\$32,153</u>
<u>CD wtr & trucking</u>	<u>\$2,840</u>
<u>NPC fuel gas</u>	<u>\$375</u>
<u>Weatherford tools/serv</u>	<u>\$2,450</u>
<u>Perforators LLC</u>	<u>\$7,317</u>
<u>NPC supervision</u>	<u>\$100</u>

DAILY COST: \$45,235
TOTAL WELL COST: \$408,728

NEWFIELD



Attachment G-1
487

DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 **Report Date:** 19-Feb-08 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 321' **Prod Csg:** 5 1/2" @ 5784' **Csg PBTD:** 5707' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4120'
BP: 5070'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4007-4018'	4/44			
A1 sds	4898-4916'	4/72			
A3 sds	4951-4963'	4/48			
CP1 sds	5365-5373'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Feb-08 **SITP:** _____ **SICP:** 1578 psi

Day 2c. Stage #3, GB6 sands.

RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug & 11' perf gun. Set plug @ 4120'. Perforate GB6 sds @ 4007- 18' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. RU BJ Services. 1578 psi on well. Frac GB6 sds w/ 43,024#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 3772 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1653 psi @ ave rate of 23.2 BPM. ISIP 1697 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 5 hrs & died. Rec. est 300 BTF. SIWFN w/ 1678 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1589 **Starting oil rec to date:** _____
Fluid lost/recovered today: 89 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1678 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

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

Procedure or Equipment detail: GB6 sands
780 gals of pre-pad of 4% Techni-Hib 767W
434 gals of flush spacer
3200 gals of pad
2500 gals W/ 1-5 ppg of 20/40 sand
5480 gals W/ 5-8 ppg of 20/40 sand
Flush W/ 3948 gals of slick water.

COSTS

BJ Services-GB6	\$13,993
CD wtr & trucking	\$720
NPC fuel gas	\$125
Weatherford tools/serv	\$2,450
Perforators LLC	\$2,683
NPC supervision	\$100
NPC flowback hand	\$400
Unichem chemicals	\$400
Pit reclaim	\$5,000
NPC sfc equipment	\$130,000
Boren welding/labor	\$19,500
NDSI wtr disposal	\$5,000
B&L-new J-55 tbg	\$25,193

Max TP: 1876 **Max Rate:** 23.4 BPM **Total fluid pmpd:** 389 bbls
Avg TP: 1653 **Avg Rate:** 23.2 BPM **Total Prop pmpd:** 43,024#'s
ISIP: 1697 **5 min:** _____ **10 min:** _____ **FG:** .86
Completion Supervisor: Orson Barney

DAILY COST: \$205,564
TOTAL WELL COST: \$614,292

NEWFIELD



Attachment G-1

587

DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 Report Date: 19-Feb-08 Day: 3
 Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 321' Prod Csg: 5 1/2" @ 5784' Csg PBTD: 5707' WL
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5317' BP/Sand PBTD: 4120'
 BP: 5070'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4007-4018'	4/44			
A1 sds	4898-4916'	4/72			
A3 sds	4951-4963'	4/48			
CP1 sds	5365-5373'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Feb-08 SITP: _____ SICP: Vacuum

MIRU Western #4. Hot oiler steamed & thawed out BOP & WH. Csg on vacuum. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ 4 3/4" chomp bit, bit sub & 122 jts of 2 7/8" J-55 tbg. Tagged sand @ 3835'. RU Nabors power swivel & pump & lines. Circulate sand & drill out plugs as follows. Sand @ 3835', Plug @ 4120' (Drilled out in 21 mins), Sand @ 5055', Plug @ 5070' (Drilled out in 15 mins). Continue PU tbg. EOT @ 5317'. Circulate well clean. SIWFN w/ 1793 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1678 Starting oil rec to date: _____
 Fluid lost/recovered today: 115 Oil lost/recovered today: _____
 Ending fluid to be recovered: 1793 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

COSTS

Western rig #4	\$5,328
Weatherford BOP	\$255
NPC wtr & trucking	\$400
Nabors power swivel	\$750
D&M hot oil	\$465
NPC supervision	\$300
NPC location cleanup	\$400
Mt West sanitation	\$400
CDI TA	\$525
CDI SN	\$80

DAILY COST: \$8,903
 TOTAL WELL COST: \$623,195

Completion Supervisor: Orson Barney

NEWFIELD



Attachment G
5 of 7

DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 **Report Date:** 21-Feb-08 **Day:** 4
Operation: Completion **Rig:** Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 321' **Prod Csg:** 5 1/2" @ 5784' **Csg PBTD:** 5740'
Tbg: Size: 2 7/8" Wt: 6.5# **Grd:** J-55 **Pkr/EOT @:** 5317' **BP/Sand PBTD:** 5740'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4007-4018'	4/44			
A1 sds	4898-4916'	4/72			
A3 sds	4951-4963'	4/48			
CP1 sds	5365-5373'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 20-Feb-08 **SITP:** Vac **SICP:** Vacuum

Hot oiler steamed & thawed out BOP & WH. Csg & tbg on vacuum. Continue PU & RIH w/ 2 7/8" J-55 tbg. Tagged sand @ 5630'. RU Nabors power swivel & pump & lines. C/O to PBTD @ 5740'. LD extra tbg. TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: NC, 2 jts, SN, 1 jt, TA, 170 jts of 2 7/8" J-55 tbg. SIWFN w/ 1838 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1793 **Starting oil rec to date:** _____
Fluid lost/recovered today: 45 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1838 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

TUBING DETAIL

ROD DETAIL

COSTS

TUBING DETAIL		ROD DETAIL		COSTS	
12.00' KB				Western rig #4	\$5,572
170	jts 2 7/8 J-55 (')	1 1/2" x 22' polished rod		Weatherford BOP	\$255
	TA (2.80') @ ' KB	3/4" pony subs		NPC trucking	\$400
1	jt 2 7/8 J-55 (')	- 3/4" guided rods		Nabors power swivel	\$750
	SN (1.10') @ ' KB	- 3/4" plain rods		Action hot oil	\$300
2	jts 2 7/8 J-55 (')	- 3/4" guided rods		NPC supervision	\$300
	2 7/8 NC (.45')	- 1 1/2" weight bars			
	EOT @ ' KB	CDI 2 1/2" x 1 1/2" x 10' x 15.5'			
		RHAC pump			

DAILY COST: \$7,577

Completion Supervisor: Orson Barney

TOTAL WELL COST: \$630,772

Attachment 6,
7 of 7

NEWFIELD



DAILY COMPLETION REPORT

WELL NAME: Federal 1-23-9-16 Report Date: 22-Feb-08 Day: 5
 Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 321' Prod Csg: 5 1/2" @ 5784' Csg PBTD: 5740'
 Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5451' BP/Sand PBTD: 5740'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4007-4018'	4/44			
A1 sds	4898-4916'	4/72			
A3 sds	4951-4963'	4/48			
CP1 sds	5365-5373'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 21-Feb-08 SITP: Vac SICP: Vacuum

Hot oiler steamed & thawed out BOP & WH. Well on vacuum. ND BOP. Set TA w/ 16,000#'s tension @ 5353', SN @ 5387', EOT @ 5451'. NU WH. Flushed tbg w/ 60 BW. PU & prime up rod pump. PU & RIH w/ "B" grade rods as follows: 2 1/2" X 1 1/2" X 16' RHAC "CDI", 6- 1 1/2" wt bars, 20- 3/4" guided rods, 89- 3/4" plain rods, 100- 3/4" guided rods, 1-2', 2-8' X 3/4" ponys, 1 1/2" X 22' Polish rod. Hang head, Space out rods. Fill tbg w/ 6 bbls of wtr. Pressure test to 800 psi. RD MOSU. POP @ 12:00 PM w/ 74" SL @ 4 SPM. SIWFN w/ 1868 BWTR. FINAL REPORT!!!

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1838 Starting oil rec to date: _____
 Fluid lost/recovered today: 30 Oil lost/recovered today: _____
 Ending fluid to be recovered: 1868 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

TUBING DETAIL

ROD DETAIL

COSTS

TUBING DETAIL		ROD DETAIL		COSTS	
	<u>12.00' KB</u>			Western rig #4	\$2,413
170	jts 2 7/8 J-55 (5340.76')	1 1/2" x 22' polished rod (B)		Weatherford BOP	\$255
	TA (2.80') @ 5352.76' KB	1-2', 2-8' X 3/4" pony subs (B)		B grade rod string	\$9,216
1	jt 2 7/8 J-55 (31.34')	100- 3/4" guided rods (B)		NPC frc tnk(5tnkX5dys)	\$1,000
	SN (1.10') @ 5386.90' KB	89- 3/4" plain rods (B)		NPC Supervision	\$300
2	jts 2 7/8 J-55 (62.82')	20- 3/4" guided rods (B)		NPC swb tnk 5 dys	\$200
	2 7/8 NC (.45')	6- 1 1/2" weight bars (B)		NPC frac head	\$500
	EOT @ 5451.27' KB	CDI 2 1/2" x 1 1/2" x 12' x 16'		CDI TA	\$525
		RHAC pump		CDI SN	\$80
				CDI rod pump	\$1,450

DAILY COST: \$15,939

TOTAL WELL COST: \$646,711

Completion Supervisor: Orson Barney

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3957'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 180' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" Cement casing to 371'

The approximate cost to plug and abandon this well is \$59,344.

FEDERAL 1-23-9-16

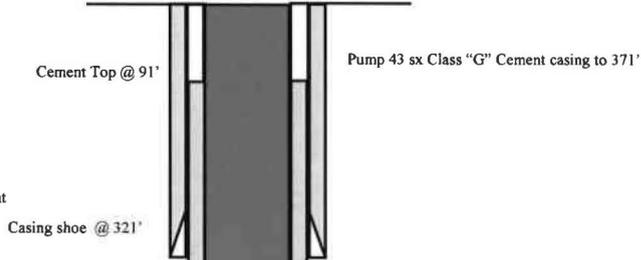
Spud Date: 12/06/07
 Put on Production: 02/11/08
 GL: 5651' KB: 5663'

Initial Production: BOPD,
 MCFD, BWPD

Proposed P&A
 Wellbore Diagram

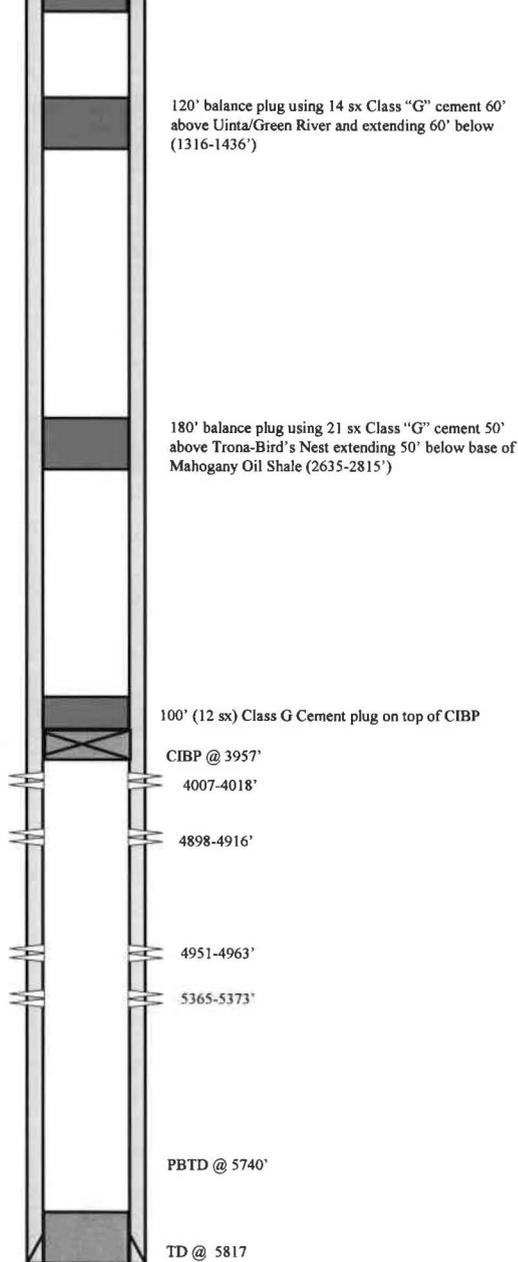
SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.17')
 DEPTH LANDED: 321'
 HOLE SIZE: 12 1/4"
 CEMENT DATA: To Surface w/160sx of class 'G' cement



PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5815'
 DEPTH LANDED: 5784'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sx of Primlite II and 400 sx of 50/50 poz.
 CEMENT TOP: 91'



 NEWFIELD
FEDERAL 1-23-9-16 632' FNL & 472' FEL NE/NE Section 23-T9S-R16E Duchesne Co, Utah API #43-013-33002; Lease # U-15855

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

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)
 NENE 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
 GMBU

8. Well Name and No.
 Federal 1-23-9-16

9. API Well No.
 4301333002

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

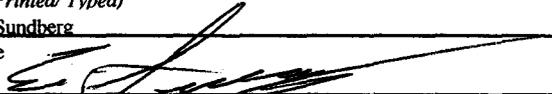
11. County or Parish, State
 DUCHESNE, UT

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

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

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

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Eric Sundberg	Title Regulatory Analyst
Signature 	Date 03/02/2010

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