

NEWFIELD



February 17, 2006

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

RE: Applications for Permit to Drill: 1-19-9-16, 2-19-9-16, 3-19-9-16, 4-19-9-16,
1-20-9-16, 3-20-9-16, 9-20-9-16, and 4-21-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed Federal 1-19-9-16 is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

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

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

FEB 21 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-64379

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

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

8. Lease Name and Well No.
Federal 4-21-9-16

9. API Well No.
43-013-33069

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NW/NW Sec. 21, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NW/NW 851' FNL 782' FWL 574217X 40, 021225
At proposed prod. zone 4430265Y -110.130297

14. Distance in miles and direction from nearest town or post office*
Approximatley 21.6 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. 782' flse, NA' f/unit

16. No. of Acres in lease
1626.36

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1204'

19. Proposed Depth
6005'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5991' GL

22. Approximate date work will start*
2nd 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:

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | <ul style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized officer. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

25. Signature: *Mandie Crozier* Name (Printed/Typed): Mandie Crozier Date: 2/17/06

Title: Regulatory Specialist

Approved by Signature: *Bradley Hill* Name (Printed/Typed): BRADLEY G. HILL Date: 02-23-06

Title: Office: ENVIRONMENTAL MANAGER

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

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

*(Instructions on reverse)

**Federal Approval of this
Action is Necessary**

**RECEIVED
FEB 21 2006**

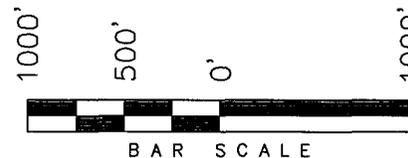
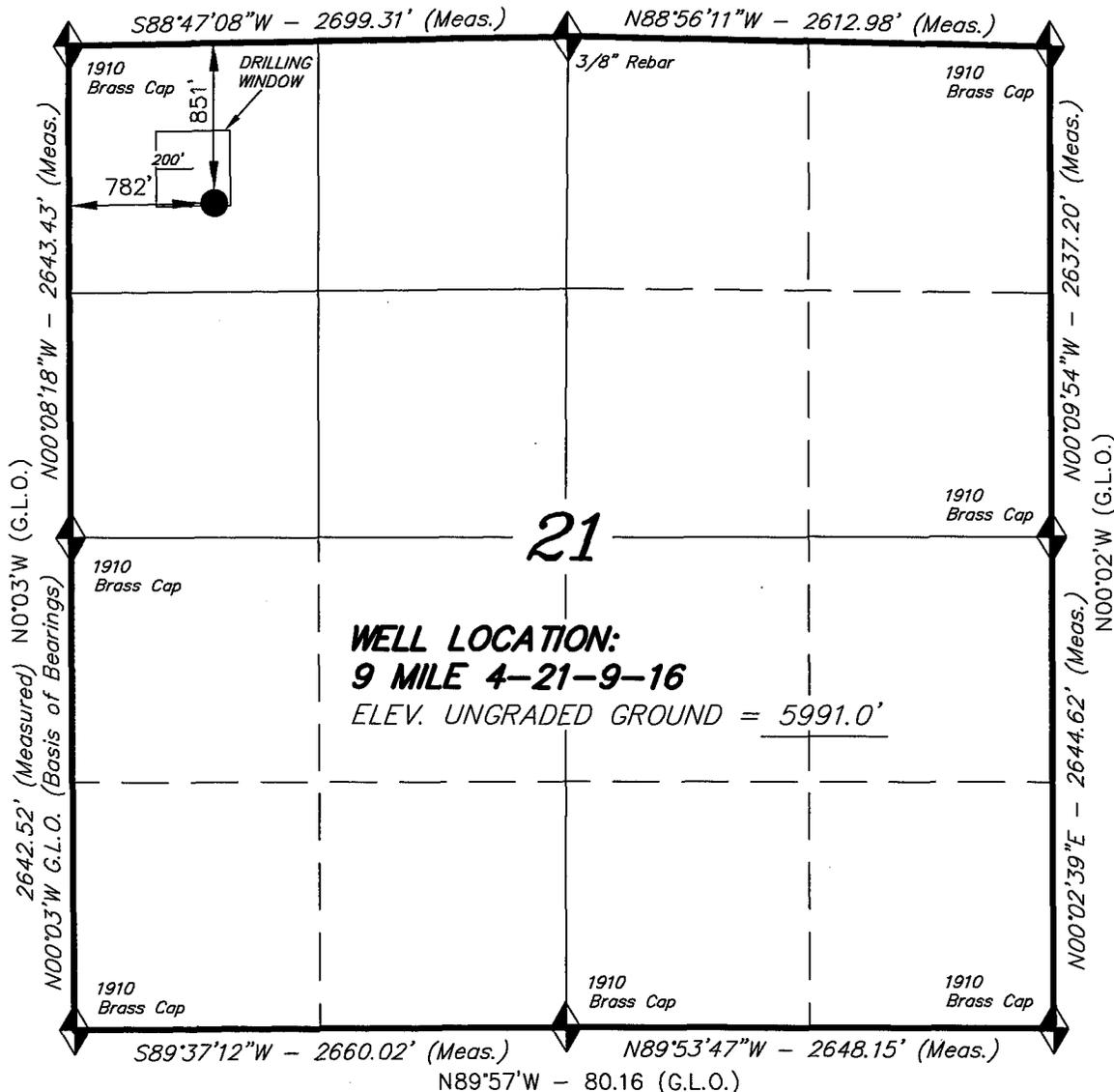
DIV. OF OIL, GAS & MINING

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

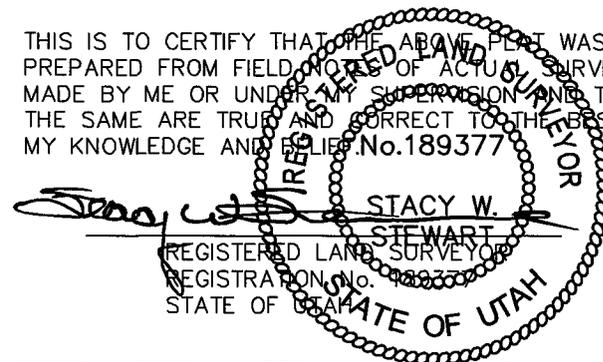
N89°57'W - 80.00 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 4-21-9-16,
LOCATED AS SHOWN IN THE NW 1/4 NW
1/4 OF SECTION 21, 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 SW)

9 MILE 4-21-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 16.77"
LONGITUDE = 110° 07' 51.52"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 1-3-06	SURVEYED BY: C.M.
DATE DRAWN: 1-04-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
FEDERAL #4-21-9-16
NW/NW SECTION 21, 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' – 2575'
Green River	2575'
Wasatch	6005'

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

Green River Formation 2575' – 6005' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
FEDERAL #4-21-9-16
NW/NW SECTION 21, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #4-21-9-16 located in the NW 1/4 NW 1/4 Section 21, 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 southwesterly - 10.9 miles \pm to it's junction with an existing road to the northeast; proceed in a northeasterly direction - 5.7 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 4.1 miles \pm to it's junction with the beginning of the proposed access road; proceed westerly along the proposed access road - 1,410' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-240, 7/25/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #4-21-9-16 Newfield Production Company requests 1,410' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 1,410' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Lease Notice Only.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

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

Details of the On-Site Inspection

The proposed Federal #4-21-9-16 was on-sited on 11/3/05. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-21-9-16 NW/NW Section 21, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

2/17/06

Date

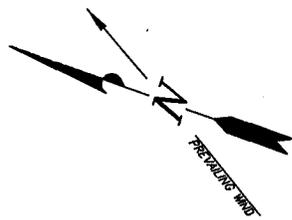
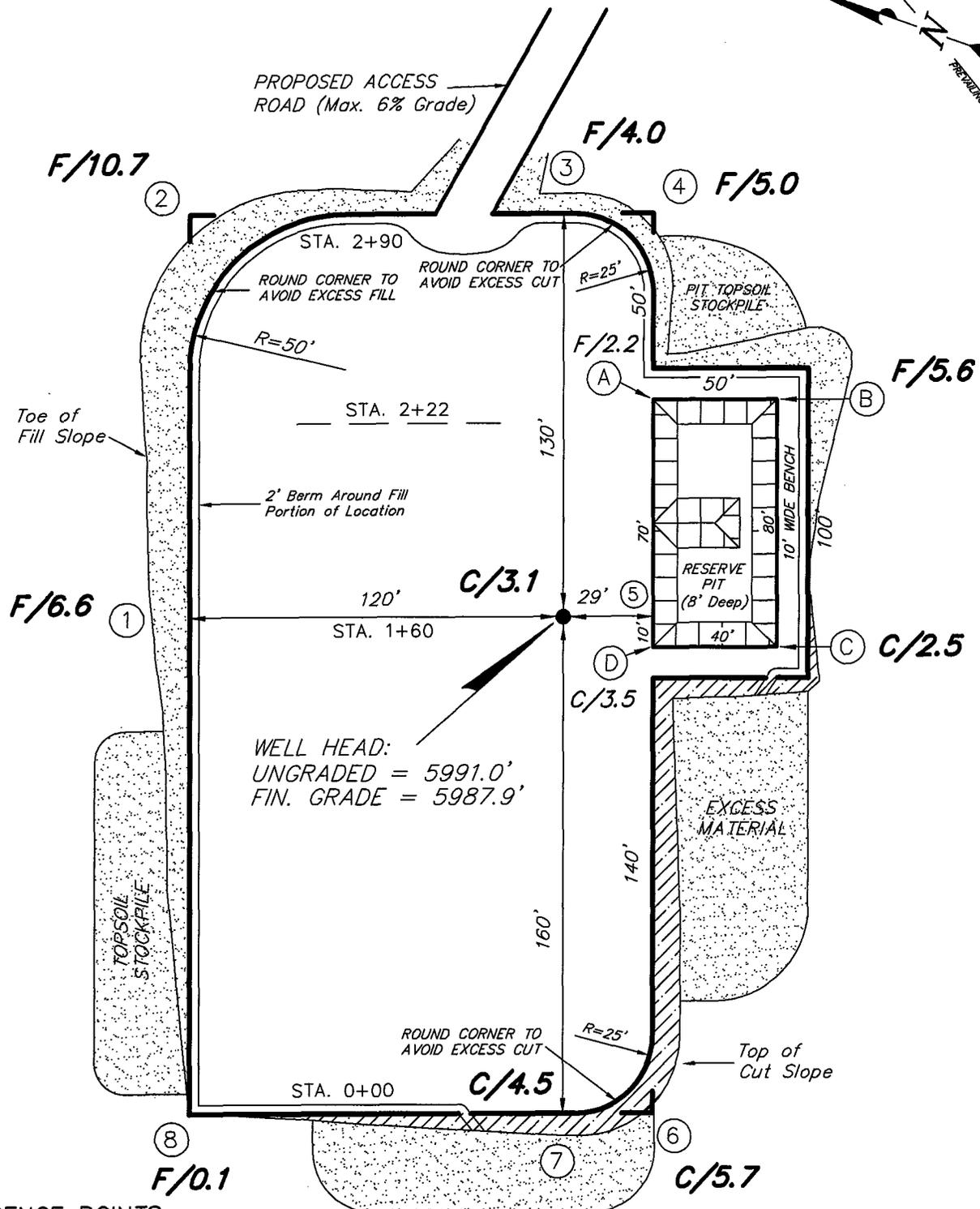


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 4-21-9-16

Section 21, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

- 210' SOUTHWESTERLY = 5994.5'
- 260' SOUTHWESTERLY = 5997.4'
- 170' NORTHWESTERLY = 5978.4'
- 220' NORTHWESTERLY = 5981.4'

SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 1-04-06

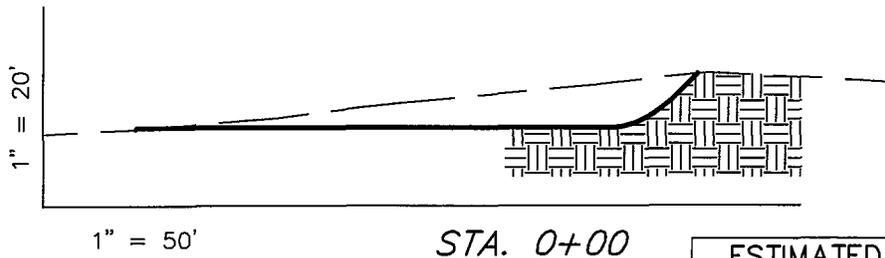
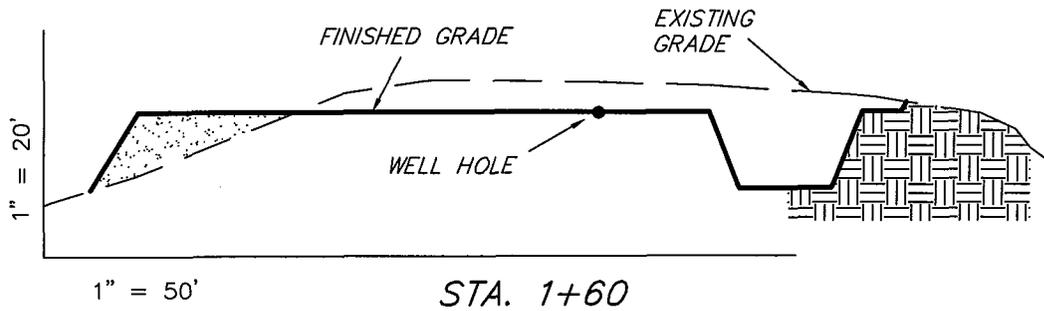
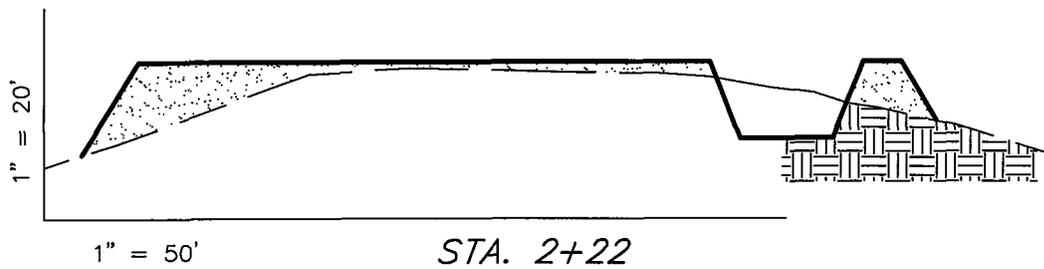
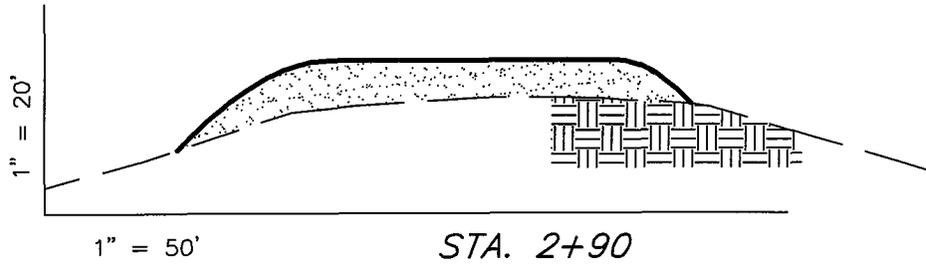
(435) 781-2501

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 4-21-9-16



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,740	2,730	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	3,380	2,730	1,010	650

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

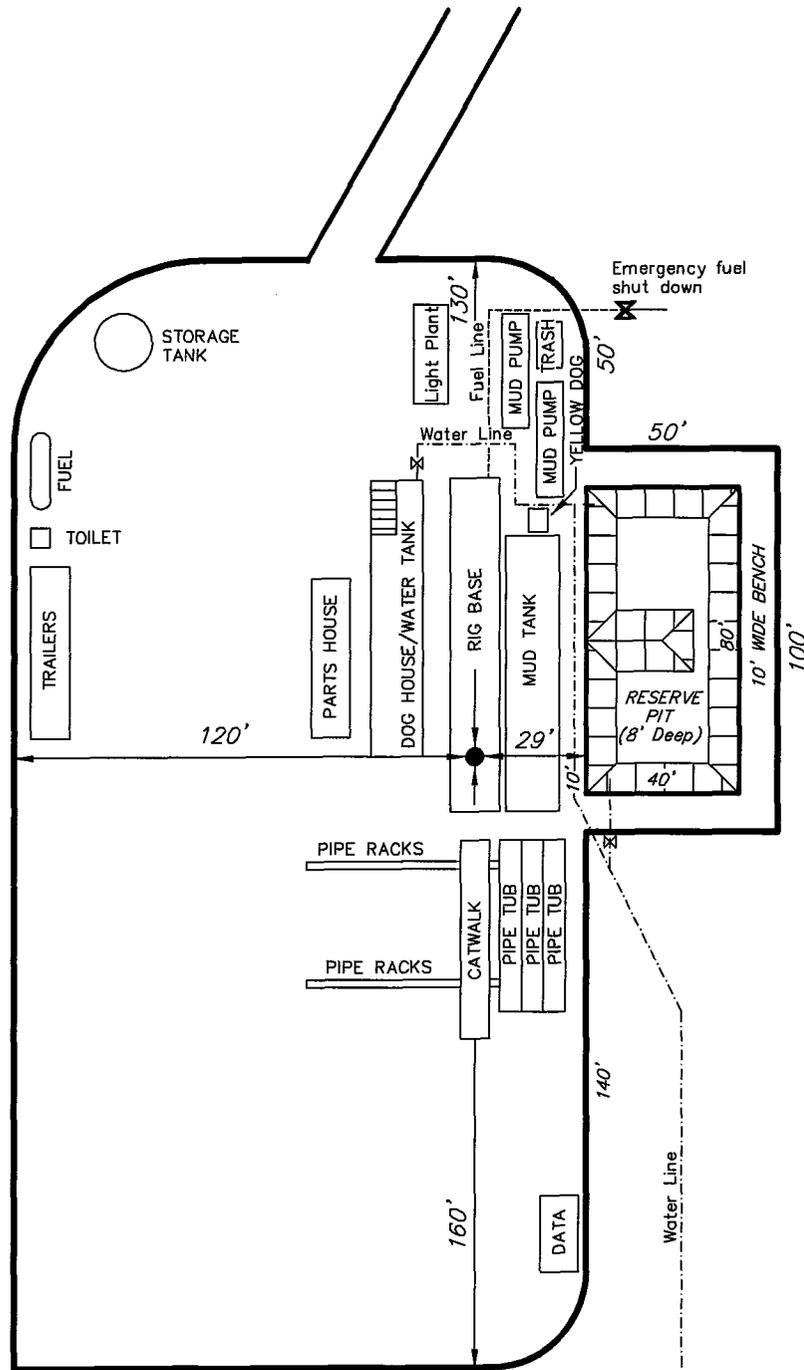
DATE: 1-04-06

Tri State
Land Surveying, Inc.

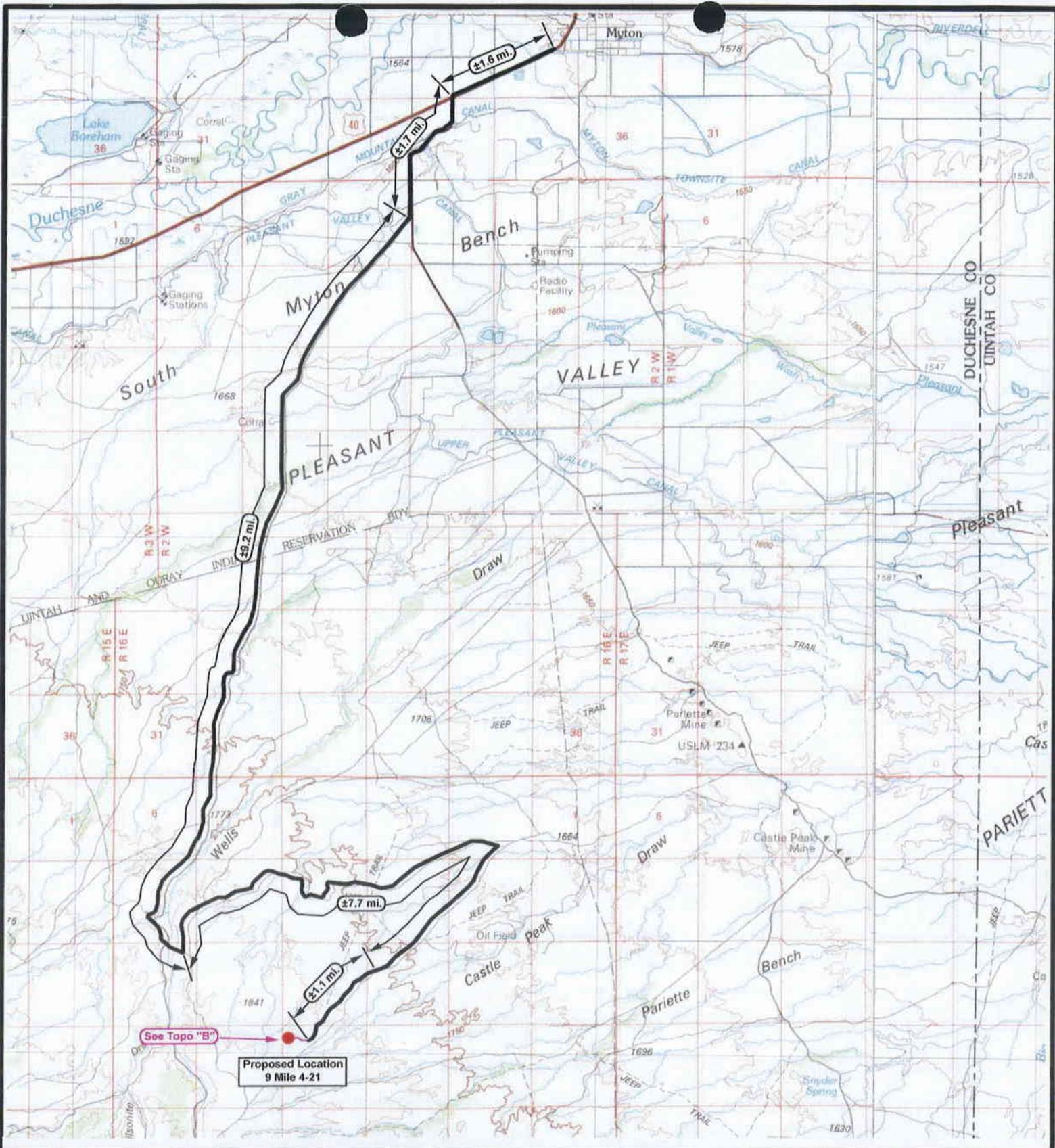
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
9 MILE 4-21-9-16



SURVEYED BY: C.M.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: M.W.	DATE: 1-04-06	



NEWFIELD
Exploration Company

9 Mile 4-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.



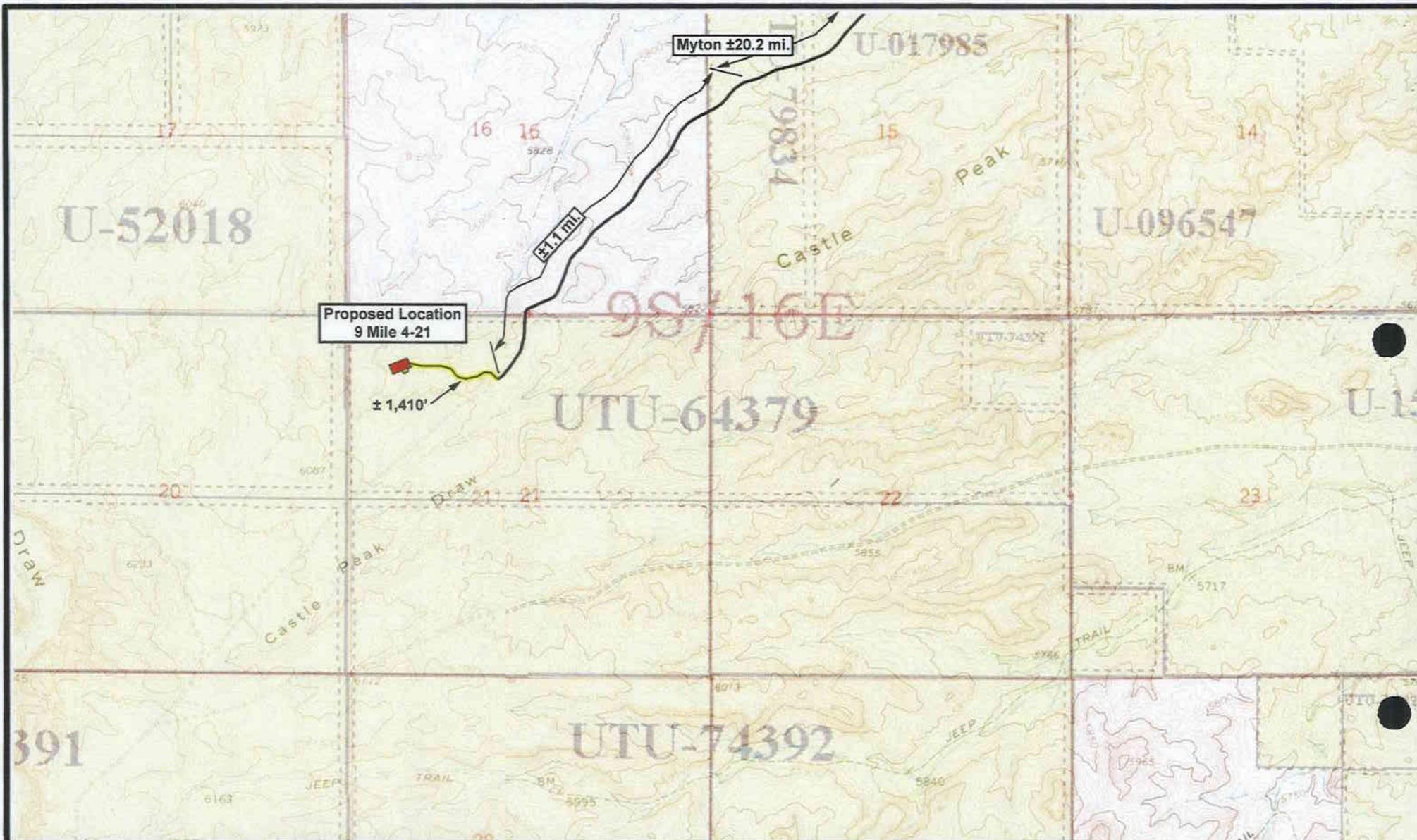
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 01-05-2006

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP
"A"



 **NEWFIELD**
Exploration Company

9 Mile 4-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.



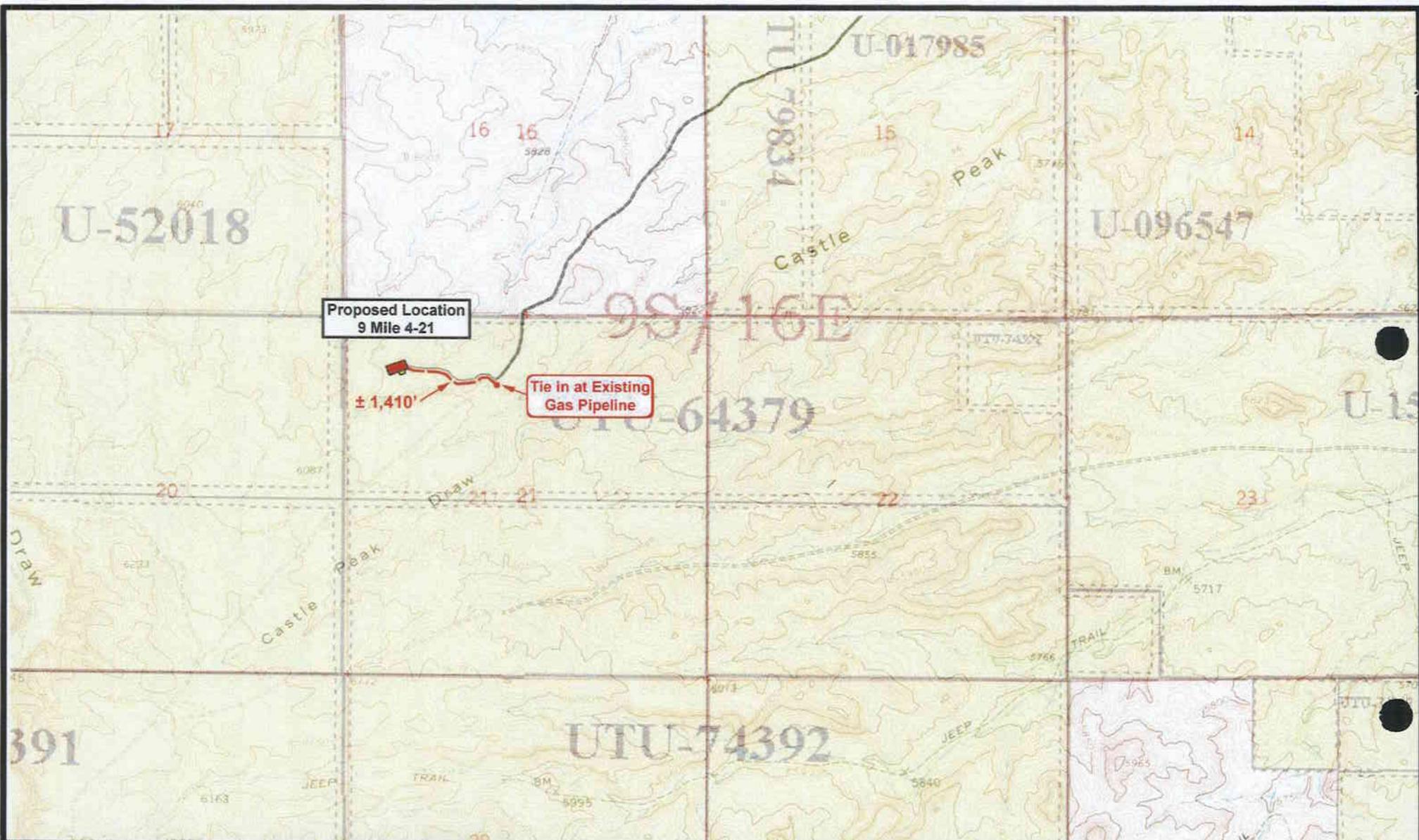
 **Tri-State**
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 01-05-2006

Legend

-  Existing Road
-  Proposed Access

"B"



Proposed Location
9 Mile 4-21

± 1,410'

Tie in at Existing
Gas Pipeline

9S/16E

NEWFIELD
Exploration Company

9 Mile 4-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.

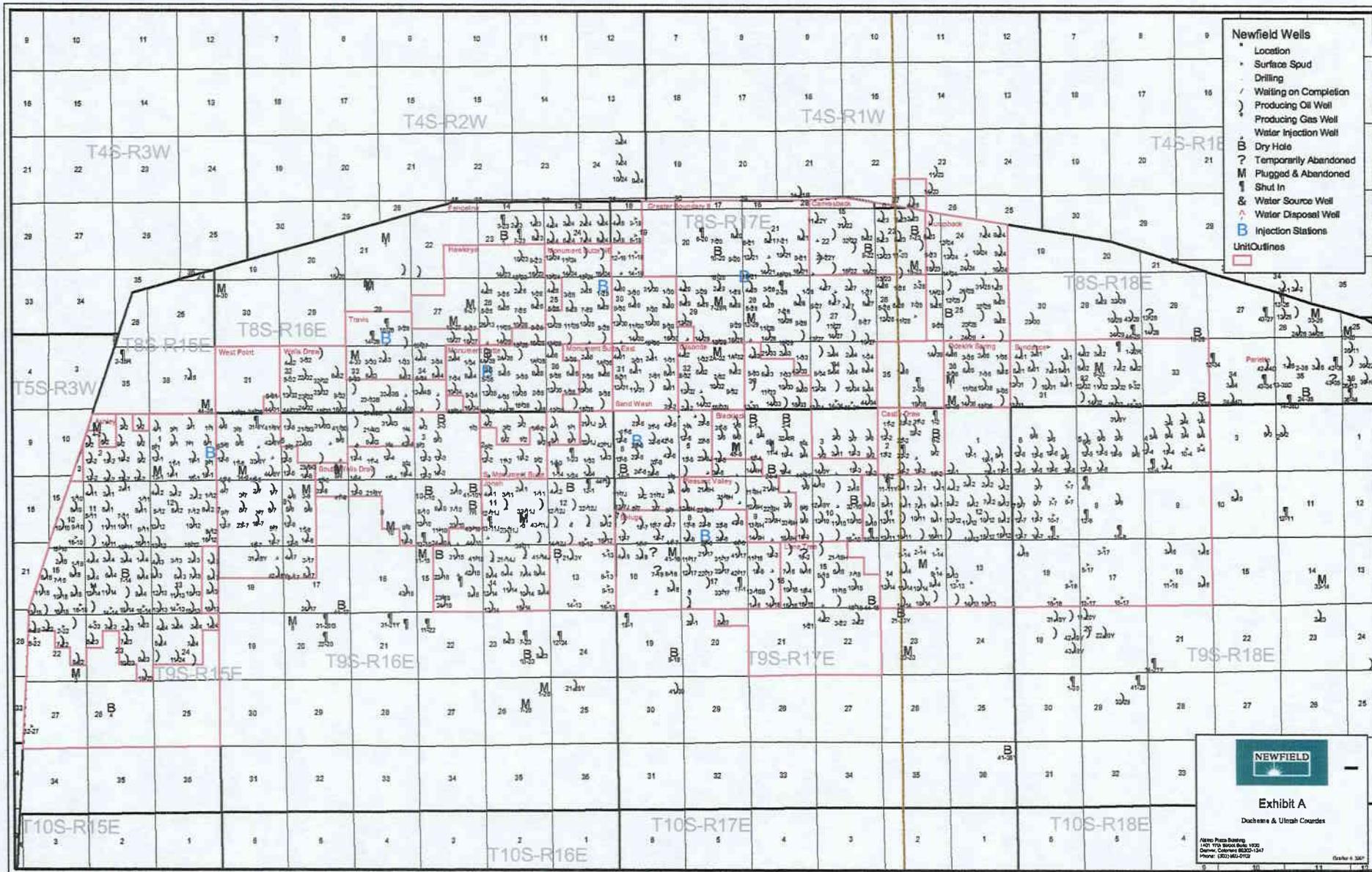
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 01-03-2006

Legend

- Roads
- Proposed Gas Line

"C"



UTU-64379

U-40894

U-017985

U-52018

Proposed Location
9 Mile 4-21

9S/R16E

UTU-64379

UTU-74392

4391



NEWFIELD
Exploration Company

9 Mile 4-21-9-16
SEC. 21, 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: 01-05-2006

Legend
● Well Locations
● One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

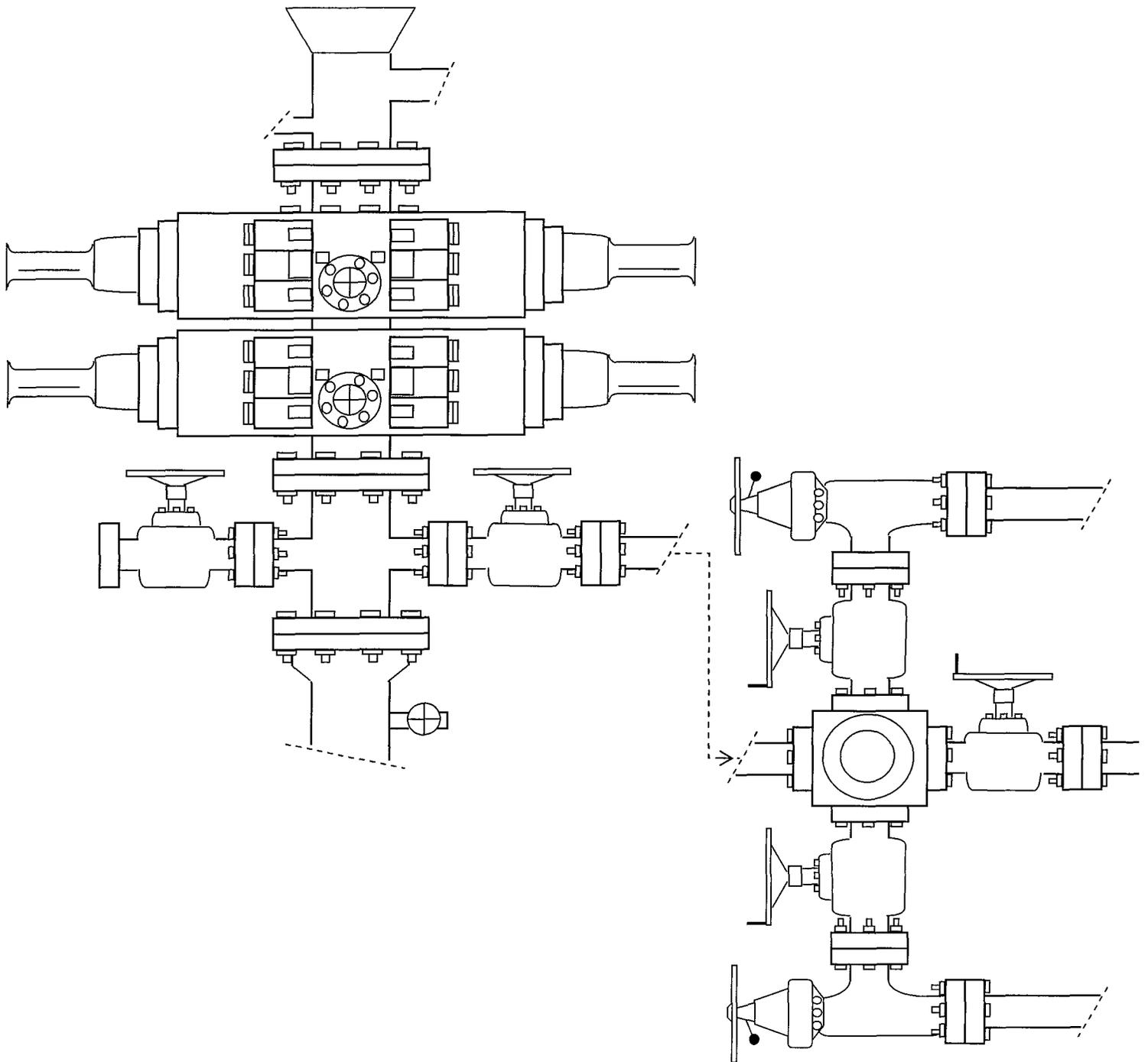


EXHIBIT C

Exhibit "D"
Page 1 of 2

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

By:

Katie Simon

Prepared For:

Bureau fo Land Management
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 05-240

July 25, 2005

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

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

NEWFIELD PRODUCTION COMPANY

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

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/21/2006

API NO. ASSIGNED: 43-013-33069

WELL NAME: FEDERAL 4-21-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWNW 21 090S 160E
 SURFACE: 0851 FNL 0782 FWL
 BOTTOM: 0851 FNL 0782 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.02123 LONGITUDE: -110.1303
 UTM SURF EASTINGS: 574217 NORTHINGS: 4430265
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-64379
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

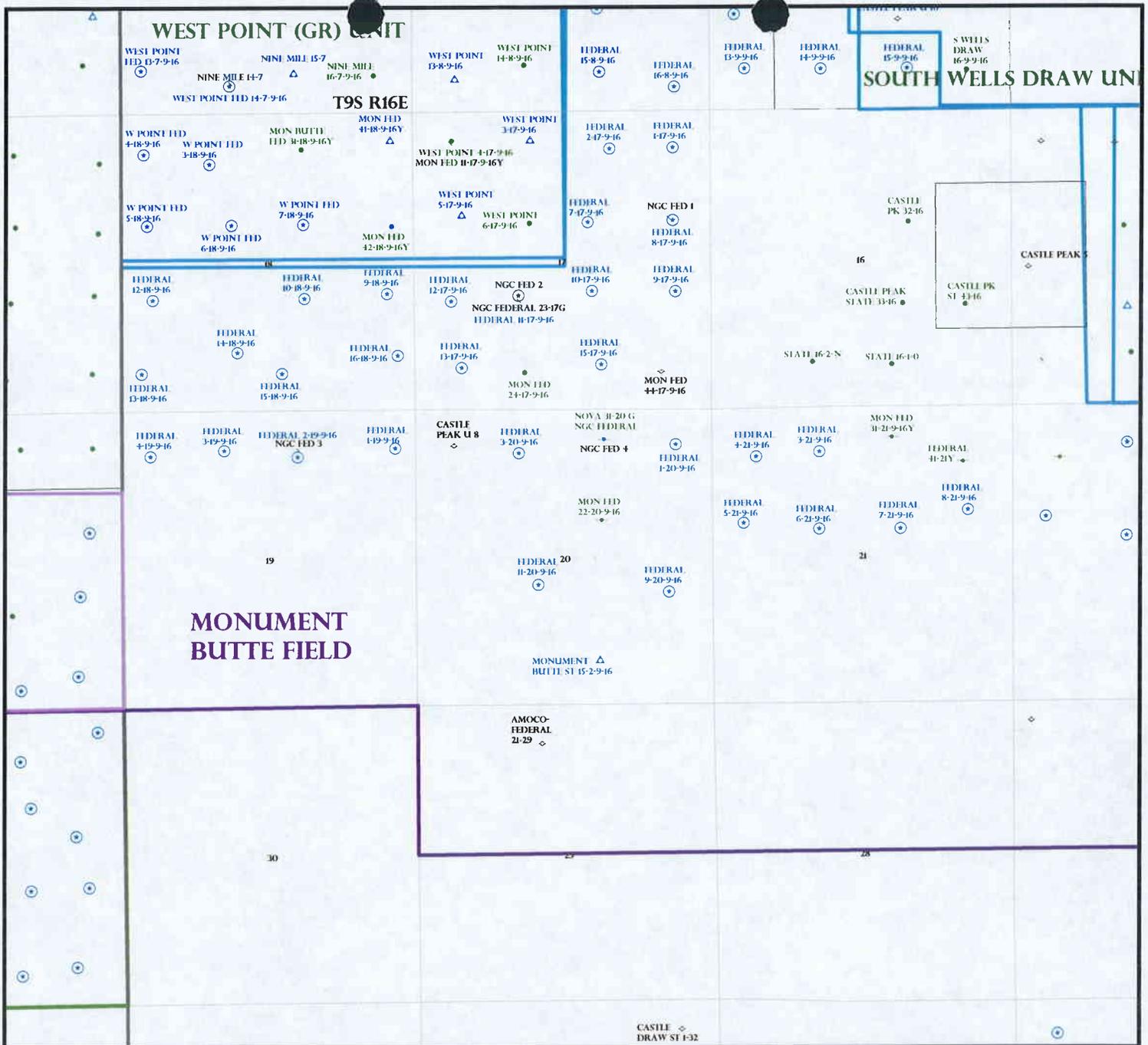
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: See Separate file

STIPULATIONS: 1- Federl Approval
2- Spacing Slip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 19,20,21 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
- X LOCATION ABANDONED
- X NEW LOCATION
- X PLUGGED & ABANDONED
- * PRODUCING GAS
- * PRODUCING OIL
- * SHUT-IN GAS
- * SHUT-IN OIL
- X TEMP. ABANDONED
- * TEST WELL
- * WATER INJECTION
- * WATER SUPPLY
- * WATER DISPOSAL
- * DRILLING



PREPARED BY: DIANA WHITNEY
DATE: 23-FEBRUARY-2006



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

February 23, 2006

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

Re: Federal 4-21-9-16 Well, 851' FNL, 782' FWL, NW NW, Sec. 21, 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 43-013-33069.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Newfield Production Company
Well Name & Number Federal 4-21-9-16
API Number: 43-013-33069
Lease: UTU-64379

Location: NW NW Sec. 21 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

FEB 21 2006

BLM VERMIL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-64379

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

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

8. Lease Name and Well No.
Federal 4-21-9-16

9. API Well No.
43-013-33009

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NW/NW Sec. 21, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface NW/NW 851' FNL 782' FWL
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*
Approximatley 21.6 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. 782' f/lse, NA' f/unit
16. No. of Acres in lease
1626.36

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1204'
19. Proposed Depth
6005'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5991' GL

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

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

24. Attachments

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

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

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 2/17/06

Title Regulatory Specialist

Approved by (Signature) *Jerry Kencera* Name (Printed/Typed) JERRY KENCERA Date 9-26-2006

Title Assistant Field Manager Office Lands & Mineral Resources

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

CONDITIONS OF APPROVAL 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)

Accepted by the High Division of Oil, Gas and Mining RECEIVED FOR RECORD ONLY OCT 06 2006

NOTICE OF APPROVAL

DIV OF OIL, GAS & MINING No NOS

UDOGM



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

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



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company **Location:** NWNW, Sec 21, T9S, R16E
Well No: Federal 4-21-9-16 **Lease No:** UTU-64379
API No: 43-013-33069 **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:	Charles Sharp	Office: 435-781-4486	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
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 Charles Sharp) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Charles Sharp) - 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)***

1. This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
2. All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
3. Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. No drilling or surface disturbing activities are allowed 600' or less from live water.
5. 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.
6. The reserve pit will be lined with a 16 ml or greater liner prior to spudding.
7. 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.
8. The liner is to be cut 5 feet below ground or at the level of the cuttings, whichever is deeper and the excess liner material is to be disposed of at an authorized disposal site.
9. When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
10. The well pad and access/pipeline require monitoring by a qualified Paleontologist prior to and during any surface disturbing activities.
11. Prevent fill and stock piles from entering drainages.

CULTURAL AND PALEONTOLOGICAL RESOURCES

12. 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.

13. The access road will be crowned and ditched. Flat-bladed roads are **NOT** allowed.
14. Notify the Authorized Officer 48 hours prior to surface disturbing activities.
15. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
16. The boulders >3' found at the surface or above ground will be saved for final reclamation.
17. Interim Reclamation (see below):
 - a. 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.
 - b. Interim Reclamation Seed Mix for location:

Galleta grass	<i>Hilaria jamesil</i>	6 lbs/acre
Western wheatgrass	<i>Pascopyrum smithii</i>	<u>6 lbs/acre</u>
	Per Live Seed Total	12 lbs/acre
 - c. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed it shall be re-contoured, then the area shall be seeded in the same manner as the topsoil.
 - d. There shall be no primary or secondary noxious weeds in the seed mixture.
 - e. Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
 - f. 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.
 - g. 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

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

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

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

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

5. 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.

6. 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.
7. 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.

8. 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.

9. 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.

10. 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.
11. 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.
12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.
13. 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.
14. 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

15. 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.
16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 4-21-9-16

Api No: 43-013-33069 Lease Type: FEDERAL

Section 21 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 10/25/06

Time 8:30 AM

How DRY

Drilling will Commence: _____

Reported by TROY ZUFEIT

Telephone # (435) 823-6013

Date 10/25/06 Signed CHD

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

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

OPERATOR ACO. NO. N2696

WELL ID	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					03	0C	TP	RG	COUNTY		
A	99999	15727	43-047-33019	Federal 3-21-9-16	NENW	21	9S	16E	DUCHESNE	10/24/06	10/26/06

GRPV

WELL ID	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					03	0C	TP	RG	COUNTY		
A	99999	15728	43-013-33069	Federal 4-21-9-16	NWNW	21	9S	16E	DUCHESNE	10/25/06	10/26/06

GRPV

WELL ID	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					03	0C	TP	RG	COUNTY		
A	99999	15729	43-013-33020	Federal 5-21-9-16	SWNW	21	9S	16E	DUCHESNE	10/21/06	10/26/06

GRPV

WELL ID	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					03	0C	TP	RG	COUNTY		
A	99999	15730	43-013-33021	Federal 6-21-9-16	SENY	21	9S	16E	DUCHESNE	10/22/06	10/26/06

GRPV

WELL ID	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					03	0C	TP	RG	COUNTY		

FILE COMMENTS:

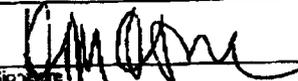
WELL ID	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					03	0C	TP	RG	COUNTY		

FILE COMMENTS:

- 1. See instructions on back of form.
- 2. Do not use entity to re-assign (change well) to another entity.
- 3. Do not use to edit existing entity group or unit well.
- 4. Assignments of from one existing entity to another existing entity.
- 5. Assignments of from one existing entity to a new entity.
- 6. Other assignments comply with section.
- 7. Use COMMENT section to explain why each Action Code was selected.

RECEIVED
OCT 25 2006

DIV. OF OIL, GAS & MINING


 Signature _____ Kim Kettle
 Production Analyst
 Title _____
 October 25, 2006
 Date _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No. UTU-104379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
FEDERAL 4-21-9-16

9. API Well No.
4301333069

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well
 Oil Well Gas Well Other UNKNOWN

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)
NWNW Section 21 T9S R16E

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

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

On 10/25/2006 MIRU NDSI NS # 1. Spud well @ 8:30 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 322.39' KB On 10/27/2006 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

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

Troy Zufelt

Signature *[Handwritten Signature]*

Title

Drilling Foreman

Date

11/01/2006

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

RECEIVED

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)

NOV 03 2006
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 322.39

LAST CASING 8 5/8" set @ 322.39
 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 4-21-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.43'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	310.54
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			312.39
TOTAL LENGTH OF STRING		312.39	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			322.39
TOTAL		310.54	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		310.54	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	10/25/2006	8:30 AM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		10/26/2006	1:30 PM	Bbls CMT CIRC TO SURFACE <u>3</u>			
BEGIN CIRC		10/27/2006	12:59 PM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		10/27/2006	1:12 PM				
BEGIN DSPL. CMT		10/27/2006	1:23 PM	BUMPED PLUG TO <u>381</u> PSI			
PLUG DOWN		10/27/2006	1:31 PM				

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

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

COMPANY REPRESENTATIVE Troy Zufelt DATE 10/27/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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



1. Type of Well
 Oil Well Gas Well Other UNKNOWN

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)
 NWNW Section 21 T9S R16E

5. Lease Serial No.
 USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 FEDERAL 4-21-9-16

9. API Well No.
 4301333069

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

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.)

On 11/13/2006 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 271'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,965'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 135 jt's of 5.5 J-55, 15.5# csgn. Set @ 5937.83' / KB. Cement with 300sks cement mixed @ 11.0 ppg & 3.43 yld. The 452 sks cement mixed @ 14.4 ppg & 1.24 yld. With 35 bbls returned to pit. Nipple down Bop's. Drop slips @ 90,000 #'s tension. Release rig 7:00 am on 11/19/2006.

I hereby certify that the foregoing is true and correct (Printed/ Typed)
 Troy Zufelt

Title
 Drilling Foreman

Signature

Date
 11/20/2006

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

NOV 21 2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5937.83

Fit cllr @ 5918.38

LAST CASING 13 3/8" SET AT 322.39'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 4-21-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Patterson-UTI Rig # 155

TD DRILLER 5965' TD loggers 5962'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 5.78' @ 3896.82					
134	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5904.38
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	20.2
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5939.83
TOTAL LENGTH OF STRING		5939.83	135	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		133.34	3	CASING SET DEPTH			5937.83
TOTAL		6057.92	138	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6057.92	138				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		11//2006	5:30 PM	GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		11//2006	8:30 PM	Bbls CMT CIRC TO SURFACE <u>35</u>			
BEGIN CIRC		11//2006	9:00 PM	RECIPROCATED PIPE FOR <u>THRUSTROKE</u>			
BEGIN PUMP CMT		11//2006	12:11 AM	DID BACK PRES. VALVE HOLD ? <u>yes</u>			
BEGIN DSPL. CMT		11//2006	1:16 AM	BUMPED PLUG TO <u>1600</u> PSI			
PLUG DOWN		11//2006	1:41 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.5 cf/sk yield					
2	452	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Troy Zufelt

DATE 11/7/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well
 Oil Well Gas Well Other UNKNOWN

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)
 NWNW Section 21 T9S R16E

5. Lease Serial No.
 USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 FEDERAL 4-21-9-16

9. API Well No.
 4301333069

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 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.)

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

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

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

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

Signature *Mandie Crozier*

Title
 Regulatory Specialist

Date
 12/08/2006

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

RECEIVED
DEC 12 2006

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
FEDERAL 4-21-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333069

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 21, T9S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>12/28/2006</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

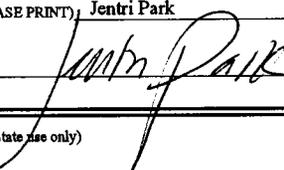
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Status report for time period 11/29/06 - 12/12/06

Subject well had completion procedures initiated in the Green River formation on 11-29-06 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5494'-5512'); Stage #2 (5214'-5222'),(5204'-5210'); Stage #3 (5062'-5072'),(4993'-5003'); Stage #4 (4636'-4654'); Stage #5 (4400'-4406'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 12-07-2006. Bridge plugs were drilled out and well was cleaned to 5916'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 12-12-2006.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 12/28/2006

(This space for State use only)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

UTU-64379

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

7. UNIT AGREEMENT NAME

Federal

1b. TYPE OF WELL

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

8. FARM OR LEASE NAME, WELL NO.

Federal 4-21-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-33069

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

At Surface 851' FNL & 782' FWL (NW/NW) Sec. 21, T9S, R16E
At top prod. Interval reported below

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

Sec. 21, T9S, R16E

At total depth

14. API NO. 43-013-33069 DATE ISSUED 2/23/06

12. COUNTY OR PARISH Duchesne

13. STATE UT

15. DATE SPUNDED 10/25/06

16. DATE T.D. REACHED 11/18/06

17. DATE COMPL. (Ready to prod.) 12/12/06

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5991' GL

19. ELEV. CASINGHEAD 6003' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5965'

21. PLUG BACK T.D., MD & TVD

5916'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY ----->

ROTARY TOOLS X

CABLE TOOLS

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

Green River 4400'-5512'

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#	322'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5938'	7-7/8"	300 sx Premlite II and 452 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5563'	TA @ 5464'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5494'-5512'	.46"	4/72	5494'-5512'	Frac w/ 59,960# 20/40 sand in 533 bbls fluid
(LODC) 5214'-5222', 5204', 5210'	.43"	4/56	5204'-5222'	Frac w/ 23,667# 20/40 sand in 320 bbls fluid
(A3,1) 5062'-5072', 4993'-5003'	.43"	4/80	4993'-5072'	Frac w/ 117,759# 20/40 sand in 829 bbls fluid
(D2) 4636'-4654'	.43"	4/72	4636'-4654'	Frac w/ 80,794# 20/40 sand in 588 bbls fluid
(PB11) 4400'-4406'	.43"	4/24	4400'-4406'	Frac w/ 20,165# 20/40 sand in 265 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 12/12/06	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 10' x 14" RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 55	GAS--MCF. 13	WATER--BBL. 66	GAS-OIL RATIO 236
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

Sold & Used for Fuel

TEST WITNESSED BY

RECEIVED
JAN 08 2007

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

Jeptri Park

TITLE

Production Clerk

DATE

1/4/2007

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 4-21-9-16	Garden Gulch Mkr	3602'	
				Garden Gulch 1	3795'	
				Garden Gulch 2	3900'	
				Point 3 Mkr	4142'	
				X Mkr	4413'	
				Y-Mkr	4445'	
				Douglas Creek Mkr	4560'	
				BiCarbonate Mkr	4768'	
				B Limestone Mkr	4884'	
				Castle Peak	5449'	
				Basal Carbonate	5886'	
				Total Depth (LOGGERS)	5962'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 4-21-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330690000	
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: 0851 FNL 0782 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 21 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: 5/13/2014 <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 05/09/2014. On 05/09/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/13/2014 the casing was pressured up to 1441 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 80 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</p> <p>FOR RECORD ONLY</p> <p>May 20, 2014</p>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 5/20/2014	

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 5/13/14 Time 9:00 am pm
Test Conducted by: Riley Bely
Others Present: _____

Well: <u>Federal 4-21-9-14</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 4-21-9-14</u>	API No: <u>4301333069</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1443</u>	psig
5	<u>1442</u>	psig
10	<u>1442</u>	psig
15	<u>1441</u>	psig
20	<u>1441</u>	psig
25	<u>1441</u>	psig
30 min	<u>1441</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

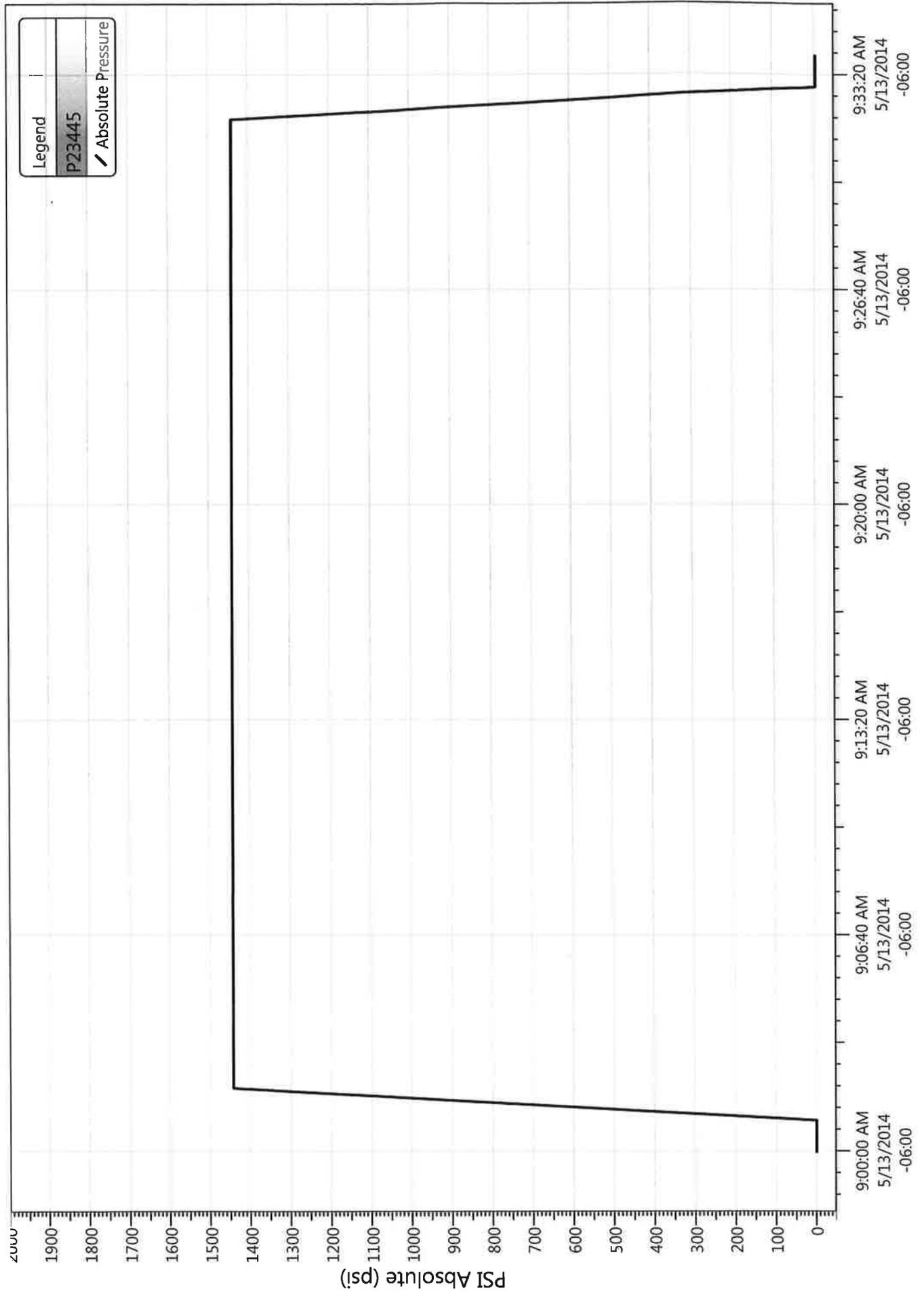
Tubing pressure: 250 psig

Result: Pass Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Riley Bely

Fedral 4-21-9-16 (conversion MIT 4/13/14)
5/13/2014 8:59:32 AM





Job Detail Summary Report

Well Name: Federal 4-21-9-16

Primary Job Type Conversion	Job Start Date 3/31/2014	Job End Date
--------------------------------	-----------------------------	--------------

Daily Operations		Report End Date	24hr Activity Summary
Start Time	End Time	3/31/2014	MIRU
05:30	07:00		
Start Time	End Time		
07:00	09:00		FIND LOC, CHECK DEADMEN, LOAD DOGHOUSE AND ROAD RIG FROM THE 6-13-4-3W TO THE 4-21-9-16
Start Time	End Time		
09:00	10:00		SPOT RIG, RU RIG
Start Time	End Time		
10:00	10:30		UNHANG RODS AND HORSE HEAD
Start Time	End Time		
10:30	11:00		PUMP 50 BB;S WATER DOWM CSG@250.F (HAD TO WAIT ON WATER TO SHOW UP)
Start Time	End Time		
11:00	11:30		UNSEAT PUMP AD PULL HIGH, FLUSH TBG W/ 40 BB;S OF WATER @250 F
Start Time	End Time		
11:30	11:45		SOFT SEAT AND PT TBG TO 3000 PSI, GOOD TEST. BD PRESSURE
Start Time	End Time		
11:45	12:45		RU ROD EQUIPMENT, PREP TO LD RODS ON TRAILER, HAD TO WAIT FOR RUNNERS TO SHOW UP WITH TRAILER
Start Time	End Time		
12:45	15:45		POOH W/ ROD LAYING DOWN ON ROD TRAILER, HAD TO FLUSH TBG 2 TIMES ON WAY OUT
Start Time	End Time		
15:45	16:45		RD FLOWLINE, ND WH, RELEASE TAC, NU BOP, RU WORK FLOOR
Start Time	End Time		
16:45	18:00		POOH WITH 30 JNTS TBG BREAKING EVERY CONNECTION, CLEANING AND INSPECTING THREADS FOR DAMAGE OR GALLING. APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT.
Start Time	End Time		
18:00	19:30		CREW TRAVEL
Report Start Date	Report End Date	24hr Activity Summary	
4/1/2014	4/1/2014	POOH W/ TBG	
Start Time	End Time		
05:30	07:00		CREW TRAVEL
Start Time	End Time		
07:00	12:15		WAIT FOR HOT OILER TO FINISH PUMPING, TBG FLUSH OF 40 BBLS WATER @ 250 F. OPEN WELL, TBG AND CSG VACUUM, FINISH POOH W/ TBG, BREAKING EVERY CONNECTION AND CLEANING THREADS. INSPECTING FOR DAMAGE OR GALLING, APPLY LIQUID O RING AND RETORQUE TO SPEC. TALLY OUT. LD 38 JNTS EXCESS TBG AND BHA FROM BOTTOM OF STRING.
Start Time	End Time		
12:15	14:00		PUMU PACKER AND BHA, TIH W/ 138 JNTS TBG.
Start Time	End Time		
14:00	14:15		PUMP 10 BBLS PAD AND DROP S.V. PUMP TO PSN AND PRESSURE UP TO 3000 PSI, START PRESSURE TEST.
Start Time	End Time		
14:15	17:00		START TIMER AND PRESSURE TEST TBG, FAILED TEST, HAD TO BUMP UP AND RETEST, FAILED TEST, BUMO UP AND LEAVE FOR THE NIGHT. SWIFN, CLEAN LOCATION, SDFN
Start Time	End Time		
17:00	18:30		CREW TRAVEL
Start Time	End Time		
18:30	18:30		CREW TRAVEL



Well Name: Federal 4-21-9-16

Job Detail Summary Report

Start Time	18:30	End Time	18:30	Comment
Start Time	18:30	End Time	18:30	Comment
Start Time	18:30	End Time	18:30	Comment
Report Start Date	4/2/2014	Report End Date	4/2/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	CHECK TBG PRESSURE BLEW HIT @ 3025 PSI. POOH W/ TBG UNTIL HIT, REPLACE 3 JNTS TBG AROUND HIT TRAVEL TIME
Start Time	07:00	End Time	07:30	Comment
Start Time	07:30	End Time	08:30	CHECK TBG PRESSURE. 1300 PSI. WE HAD LEFT 3000 PSI ON TBG LAST NIGHT, TRIED TO BUMP UP AND BLEW A HIT @ 3025 PSI
Start Time	08:30	End Time	10:15	Comment
Start Time	10:15	End Time	12:00	POOH W/ TBG UNTIL HIT. REPLACE 3 JNTS TBG AROUND HIT, AND PT TBG TO 4000 PSI, GOOD TEST. TIH W/ 44 JNTS TBG AND PT AGAIN TO 3500 PSI, GOOD TEST, TIH W/ REST OF TBG FROM DERRICK AND RU HOT OILER
Start Time	12:00	End Time	12:30	Comment
Start Time	12:30	End Time	13:00	LOAD TBG AND PT TBG TO 3000 PSI, FAILED TEST, HAD TO RETEST AFTER BUMPING UP, FINALLY GOT A GOOD TBG TEST.
Start Time	13:00	End Time	13:30	Comment
Start Time	13:30	End Time	14:00	RU SANDLINE AND FISHING TOOLS, RIH W/ TOOLS TO CATCH SV POOH W/ SANDLINE AND RD TOOLS. RD WORKFLOOR, ND BOP, LAND TBG ON INJ TREE NU WH
Start Time	14:00	End Time	17:00	Comment
Start Time	17:00	End Time	18:30	MIX AND PUMP 50 BBLs PACKER FLUID DOWN CSG ND WH, SET PACKER, NU WH AND LOAD CSG, PRESSURE UP TO 1400 PSI
Report Start Date	4/23/2014	Report End Date	4/23/2014	24hr Activity Summary
Start Time	06:00	End Time	07:00	TRAVEL TIME
Start Time	07:00	End Time	09:30	Comment
Start Time	09:30	End Time	10:30	START TIMER AND PT CSG TO 1400 PSI, FAILED TESTS, HAD TO BUMP UP AND RETEST. FINALLY GOT A GOOD CSG TEST. COULDN'T GET A MIT TEST TODAY. WILL HAVE A MIT TESTER TOMORROW MORNING, SWIFN, CLEAN LOCATION, SDFN
Start Time	10:30	End Time	12:30	Comment
Start Time	12:30	End Time	15:15	MOVE RIG 12 MILES FROM THE X-18-9-16
Start Time	12:30	End Time	15:15	SPOT IN RIG, HOTOILER FLUSHED TBG W/ 40 BBLs, DROP SV, PRESSURE TEST TBG THROUGH FLANGE TO 2800. START TEST, ZERO LOSS FOR 30 MINUTES, PRESSURE TEST CSG TO 1400 PSI, START TEST, ZERO LOSS FOR 30 MINUTES, WATCH CSG AND TBG FOR ANOTHER 30 MINUTES. BOTH STILL ZERO LOSS
Start Time	12:30	End Time	15:15	Comment
Start Time	12:30	End Time	15:15	RIG UP RIG. KEEP WATCHING TBG AND CSG, NO LOSS, CALLED FOR MIT TEST, OPERATOR SHOWED UP AND CONDUCTED A MIT TEST, TEST SHOWED ZERO LOSS. CALLED TEST GOOD



Well Name: Federal 4-21-9-16

Job Detail Summary Report

Start Time	15:15	End Time	16:15	Comment
Start Time	16:15	End Time	17:30	P/U SANDLINE, M/U 2" OVERSHOT, TIH TO PSN AND FISH SV. POOH W/ SV AND LAY DOWN LUBRICATOR
Start Time	17:30	End Time	18:30	R/D RIG AND RACK OUT LOCATION
Report Start Date	5/1/2014	Report End Date	5/1/2014	Travel time
Start Time	06:00	End Time	07:30	24hr Activity Summary MIRU. PU NEW PKR ASSY
Start Time	07:30	End Time	07:45	CREW TRAVEL
Start Time	07:45	End Time	08:30	JSA SAFETY MTG
Start Time	08:30	End Time	10:30	NFX NEW HIRE ORIENTATION
Start Time	10:30	End Time	11:30	ROADED RIG TO LOCATION
Start Time	11:30	End Time	12:30	RIG UP RIG
Start Time	12:30	End Time	13:30	WAITED ON WATER
Start Time	13:30	End Time	15:30	ND INJECTION WH, RELEASED PKR, NU BOPS
Start Time	15:30	End Time	17:30	TOOH 138-JTS OF TBG, LD OLD PKR ASSEMBLY
Start Time	17:30	End Time	18:30	PU NEW PKR ASSEMBLY (1-2 3/8" XN NIPPLE W/ RE-ENTRY GUIDE, 1-2 3/8" PUP SUB, 1-2 3/8"-2 7/8" XO, 1-WEATHERFORD PKR, 1-ON/OFF TOOL, 1-2 7/8" SEAT NIPPLE), TIH 138-JTS OF TBG
Start Time	18:30	End Time	20:00	FLUSHED TBG W/ 40 BBLs @250 DEG, DROPPED SV CHASED TO BOTTOM W/ 10 BBLs, PRESSURED UP ON TBG TO 1K PSI SIWFN
Report Start Date	5/2/2014	Report End Date	5/2/2014	CREW TRAVEL
Start Time	05:30	End Time	07:00	24hr Activity Summary NU INJ WH, SET PKR
Start Time	07:00	End Time	07:15	CREW TRAVEL
Start Time	07:15	End Time	09:00	JSA SAFETY MTG
Start Time	09:00	End Time	10:00	PT TBG TO 3K PSI HELD 100% FOR 30 MIN GOOD TEST
Start Time	10:00	End Time	11:00	RU SL, RIH W/ SL FISHED SV, POOH W/ SV
Start Time	11:00	End Time	12:00	RU RIG FLOOR, ND BOPS, NU INJECTION WH
Start Time	12:00	End Time	14:00	SET PKR W/ 15K TENSION LOADED CSG W/FLUID LET GAS BUBBLES SETTLE OUT OF FLUID
Start Time	14:00	End Time	15:00	LANDED WH, PT CSG TO 1400 PSI KEPT BUMPING UP, BLEED OF 50 PSI PER 10 MIN
				RELEASED PKR, LD 1-JT OF TBG, SET PKR AGAIN W/ 15 K TENSION, LOADED CSG W/ FLUID



Well Name: Federal 4-21-9-16

Job Detail Summary Report

Start Time	15:00	End Time	16:00	Comment
Start Time	16:00	End Time	17:00	PT CSG TO 1400 PSI, BAD TEST BLEED OFF @ RATE OF 200 PSI PER 5MIN
Start Time	17:00	End Time	19:00	ND INJECTION WH, NU BOPS, RD RIG FLOOR
Start Time	19:00	End Time	20:30	TOOH TALLIED, 138-JTS OF TBG, TWO BOTTOM RUBBER TORN OFF ON PKR, SIWFN
Report Start Date	5/5/2014	Report End Date	5/5/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	CREW TRAVEL
Start Time	07:00	End Time	07:15	JSA SAFETY MTG
Start Time	07:15	End Time	08:00	BLEW DOWN WELL WAITED ON RBS BIT/SCRAPPER
Start Time	08:00	End Time	10:00	PU BIT/SCRAPPER, TIH 138-JTS OF TBG
Start Time	10:00	End Time	10:30	WAITED ON RUNNERS W/ TBG
Start Time	10:30	End Time	11:00	PU 2-JTS OF TBG, WORKED UP AND DOWN IN AREA WHERE PKR TO BE SET
Start Time	11:00	End Time	13:00	LD 2-JTS OF TBG, TOOH 138-JTS OF TBG, LD BIT/SCRAPPER
Start Time	13:00	End Time	15:00	PU INJECTION PKR ASSEMBLY (1-RE-ENTRY GUIDE, 1-2 3/8" XN NIPPLE, 1-2 3/8" X4' PUP SUB, 1-2 3/8" X2 7/8" XO SUB, 1-WEATHERFORD PKR, 1-ON/OFF TOOL, 1-2 7/8" SEAT NIPPLE) TIH 138-JTS OF TBG
Start Time	15:00	End Time	16:00	DROPPED SV, CHASED W/ 20 BBLs, NO PRESSURE, RIH W/ SL, PUSSED SV TO SN, POOH W/ SL, PT TBG TO 3K PSI, HELD 100% FOR 30 MIN
Start Time	16:00	End Time	17:00	RIH W/ SL RETRIEVED SV, POOH W/ SV
Start Time	17:00	End Time	18:00	SET PKR W/ 15# TENSION, LOADED CSG W/ 25 BBLs, CLOSED PIPE RAMS, TESTED CSG TO 1400 PSI, HELD FOR 30 MIN 100%
Start Time	18:00	End Time	19:00	RU RIG FLOOR, ND BOPS, NU INJECTION WH, J'D OFF ON/OFF TOOL, CIRCULATED 50 BBLs OF PKR FLUID DOWN CSG
Start Time	19:00	End Time	20:00	J'D BACK ON PKR, LOADED CSG W/ 5 BBLs OF PKR FLUID, LANDED WH W/ 15K# TENSION IN STRING, PRESSURED UP ON CSG TO 1400 PSI, SIWFN
Start Time	20:00	End Time	21:30	CREW TRAVEL
Report Start Date	5/6/2014	Report End Date	5/6/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	CREW TRAVEL
Start Time	07:00	End Time	07:15	JSA SAFETY MTG



Well Name: Federal 4-21-9-16

Job Detail Summary Report

Start Time	07:15	End Time	17:00	Comment
Start Time	17:00	End Time	18:30	Comment
Report Start Date	5/7/2014	Report End Date	5/7/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	ND WH RELEASED PKR, NU BOPS, RD RIG FLOOR
Start Time	07:00	End Time	07:15	Comment
Start Time	07:15	End Time	08:30	Comment
Start Time	08:30	End Time	10:00	Comment
Start Time	10:00	End Time	12:00	Comment
Start Time	12:00	End Time	13:00	Comment
Start Time	13:00	End Time	14:00	Comment
Start Time	14:00	End Time	15:00	Comment
Start Time	15:00	End Time	16:00	Comment
Start Time	16:00	End Time	17:00	Comment
Start Time	17:00	End Time	18:30	Comment
Report Start Date	5/8/2014	Report End Date	5/8/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	PU INJ PKR ASSY, DROPPED SV
Start Time	07:00	End Time	07:15	Comment
Start Time	07:15	End Time	08:30	Comment
Start Time	08:30	End Time	10:00	Comment
Start Time	10:00	End Time	12:00	Comment
Start Time	12:00	End Time	13:00	Comment
Start Time	13:00	End Time	14:00	Comment



Well Name: Federal 4-21-9-16

Job Detail Summary Report

Start Time	14:00	End Time	17:00	Comment
Start Time	17:00	End Time	18:30	Comment
Report Start Date	5/9/2014	Report End Date	5/9/2014	24hr Activity Summary
Start Time	05:30	End Time	07:00	Comment
Start Time	07:00	End Time	07:15	Comment
Start Time	07:15	End Time	10:00	Comment
Report Start Date	5/13/2014	Report End Date	5/13/2014	24hr Activity Summary
Start Time	09:00	End Time	11:30	Comment

RU RIG FLOOR, ND BOPS, NU INJECTION WH, J'D OFF PKR, CIRCULATED 50 BBLs OF PKR FLUID, J'D BACK ON PKR, LANDED TBG W/ 18K# TENSION IN STRING, PT CSG TO 1550PSI HELD FOR 1 HR 100% GOOD TEST, SIWFN MIT IN MORNING

CREW TRAVEL

CREW TRAVEL

JSA SAFETY MTG

WAITED ON MIT, RD RIG

On 05/09/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 05/13/2014 the casing was pressured up to 1441 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.

NEWFIELD

Schematic

Well Name: Federal 4-21-9-16

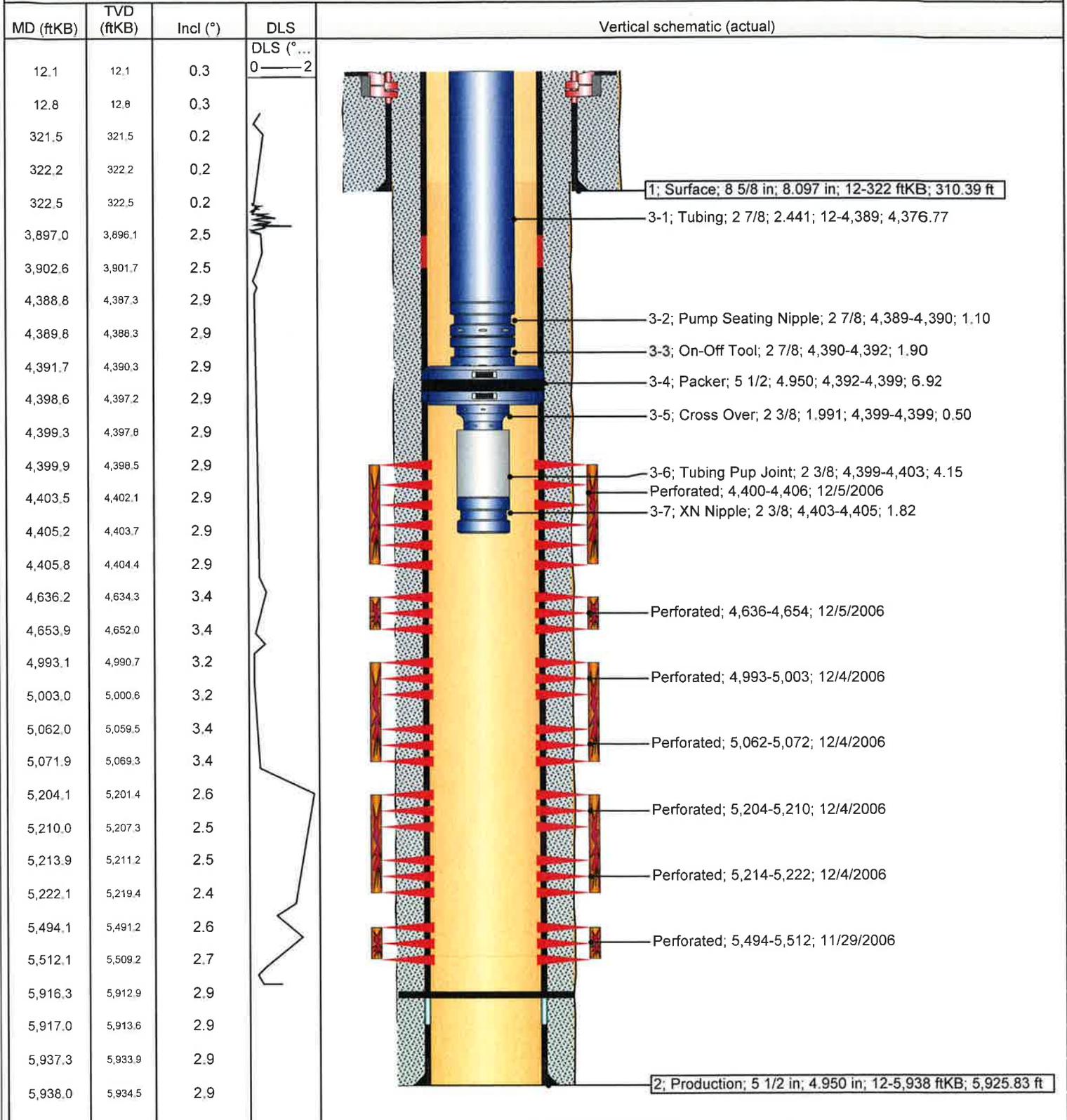
Surface Legal Location 21-9S-16E		API/UWI 43013330690000	Well RC 500159238	Lease	State/Province Utah	Field Name GMBU CTB5	County DUCHESNE
Spud Date 10/25/2006	Rig Release Date	On Production Date 12/12/2006	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,916.4	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 3/31/2014	Job End Date
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	--------------

TD: 5,937.8

Vertical - Original Hole, 5/14/2014 10:11:54 AM



NEWFIELD

Newfield Wellbore Diagram Data
Federal 4-21-9-16

Surface Legal Location 21-9S-16E		API/UWI 43013330690000		Lease	
County DUCHESNE		State/Province Utah		Field Name GMBU CTB5	
Well Start Date 10/25/2006		Spud Date 10/25/2006		Final Rig Release Date	
Original KB Elevation (ft)		Ground Elevation (ft)		Total Depth (ftKB) 5,937.8	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,916.4	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/27/2006	8 5/8	8.097	24.00	J-55	322
Production	11/19/2006	5 1/2	4.950	15.50	J-55	5,938

Cement

String: Surface, 322ftKB 10/27/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.4	Full Return?	Vol Cement Ret (bbl)
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,938ftKB 11/19/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,937.8	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premlite II w/ 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 300	Class PREMLITE II	Estimated Top (ftKB) 12.0
Fluid Description 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD		Fluid Type Tail	Amount (sacks) 452	Class 50/50 POZ	Estimated Top (ftKB) 2,000.0

Tubing Strings

Tubing Description				Run Date	Set Depth (ftKB)			
Tubing				5/9/2014	4,405.2			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	139	2 7/8	2.441	6.50	J-55	4,376.77	12.0	4,388.8
Pump Seating Nipple		2 7/8				1.10	4,388.8	4,389.9
On-Off Tool		2 7/8				1.90	4,389.9	4,391.8
Packer		5 1/2	4.950			6.92	4,391.8	4,398.7
Cross Over		2 3/8	1.991			0.50	4,398.7	4,399.2
Tubing Pup Joint		2 3/8				4.15	4,399.2	4,403.4
XN Nipple		2 3/8				1.82	4,403.4	4,405.2

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
5	PB11 SANDS, Original Hole	4,400	4,406	4	90	0.430	12/5/2006
4	D2 SANDS, Original Hole	4,636	4,654	4	90	0.430	12/5/2006
3	A1 & A3 SANDS, Original Hole	4,993	5,003	4	90	0.430	12/4/2006
3	A1 & A3 SANDS, Original Hole	5,062	5,072	4	90	0.430	12/4/2006
2	LODC SANDS, Original Hole	5,204	5,210	4	90	0.430	12/4/2006
2	LODC SANDS, Original Hole	5,214	5,222	4	90	0.430	12/4/2006
1	CP1 SANDS, Original Hole	5,494	5,512	4	120	0.460	11/29/2006

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,550	0.9	25.0	3,895			
2	2,850	0.98	25.0	3,184			
3	2,200	0.87	25.0	3,713			
4	2,000	0.86	25.0	4,200			
5	1,720	0.82	25.0	2,340			

NEWFIELD

**Newfield Wellbore Diagram Data
Federal 4-21-9-16**



Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 59960 lb
2		Proppant White Sand 23667 lb
3		Proppant White Sand 117759 lb
4		Proppant White Sand 80794 lb
5		Proppant White Sand 20165 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.	
1. TYPE OF WELL Water Injection Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
PHONE NUMBER: 435 646-4825 Ext	8. WELL NAME and NUMBER: FEDERAL 4-21-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0851 FNL 0782 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 21 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013330690000
	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/27/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 11:30 AM on 06/27/2014.

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

Date: _____
 By: *[Signature]*

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/30/2014	



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

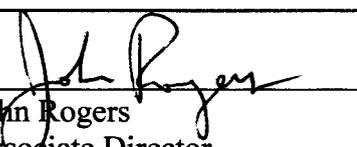
Cause No. UIC-415

Operator: Newfield Production Company
Well: Federal 4-21-9-16
Location: Section 21, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33069
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 20, 2014.
2. Maximum Allowable Injection Pressure: 1,691 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,900' – 5,916')
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

6/25/2014
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
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

March 20, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 4-21-9-16, Section 21, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33069

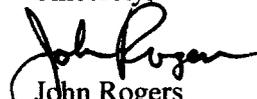
Ladies and Gentlemen:

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 3,900 feet in the Federal 4-21-9-16 well.

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

Sincerely,

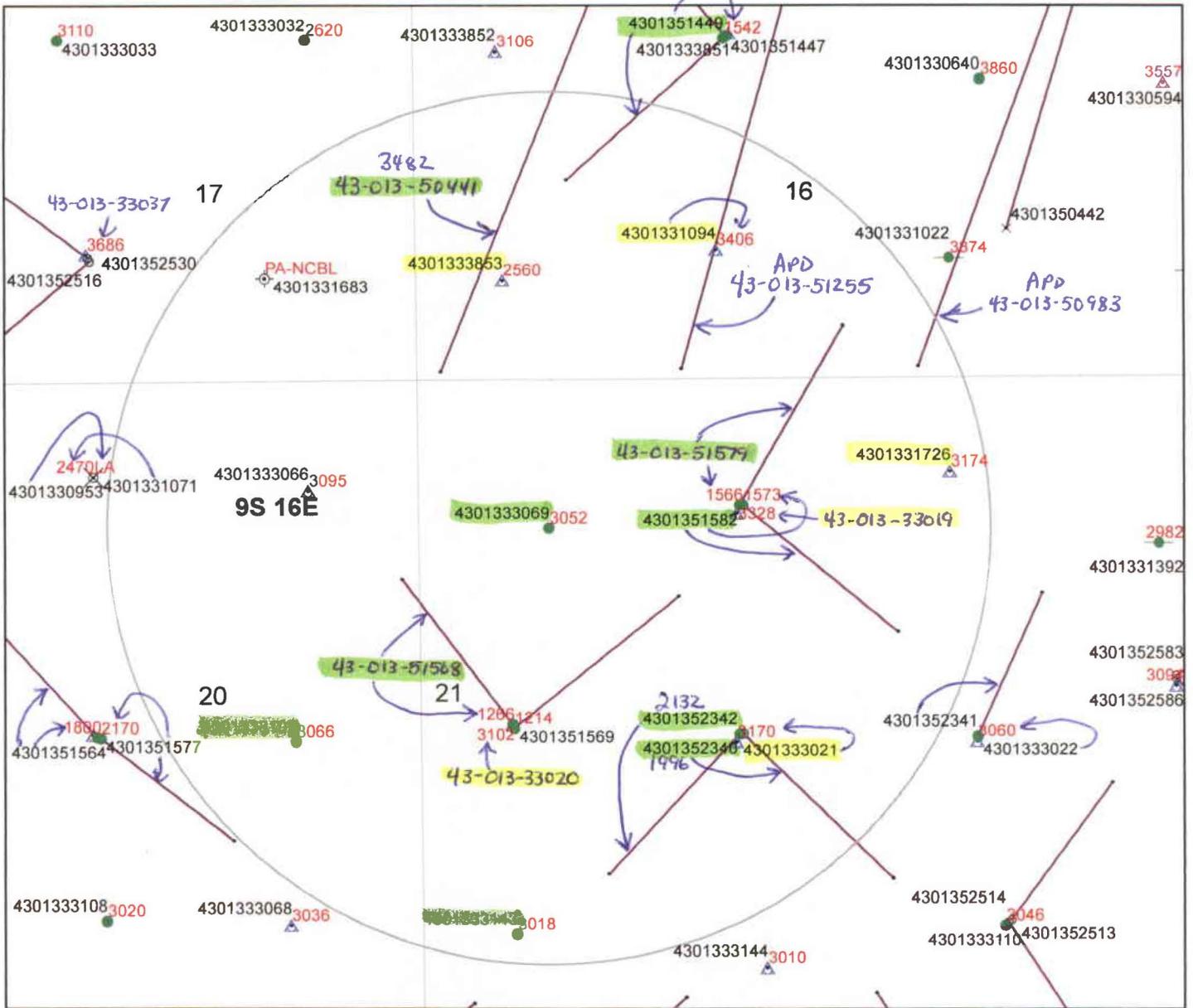

John Rogers
Associate Director

JR/MLR/js

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

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





Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- ~~SGW-Shut-in Gas 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 4-21-9-16
API #43-013-33069
UIC-415.14**

(updated 6/23/2014)



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

Applicant: Newfield Production Company **Well:** Federal 4-21-9-16

Location: 21/9S/16E **API:** 43-013-33069

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 and the State of Utah. The Federal Government and the State of Utah are the mineral owners 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 322 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,938 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,052 feet. A 2 7/8 inch tubing with a packer will be set at 4,350 feet. Higher perforations may 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 (6/23/2014), on the basis of surface location, there are 9 producing wells, 6 injection wells, 1 shut-in well, and 1 P/A well in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there are 1 horizontal producing well and 1 directional producing well, both with a surface locations outside the AOR and bottom hole location inside the AOR. Finally, there are 2 approved surface locations outside the AOR for horizontal wells with proposed bottom hole locations inside the AOR. All existing wells within the AOR have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,900 feet and 5,916 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-21-9-16 well is 0.82 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,691 psig. The requested maximum pressure is 1,691 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 groundwater present should be adequately protected.

Federal 4-21-9-16

page 2

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

Bonding: Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold Date: 3/19/2014 (revised 6/23/2014)

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

The Salt Lake Tribune

MEDIA Inc

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	12/13/2013

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	ADORDER
8015385340	0000927358
SCHEDULE	
Start 12/13/2013	End 12/13/2013
CUST. REF. NO.	
Newfield Cause UIC-415	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
94 Lines	3.00
TIMES	3
MISC. CHARGES	

BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:
 State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East
 API 43-013-33846
 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East
 API 43-013-33853
 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East
 API 43-013-30650
 Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East
 API 43-013-33033
 Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East
 API 43-013-33035
 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East
 API 43-013-32922
 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East
 API 43-013-33063
 Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
 API 43-013-33100
 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
 API 43-013-33102
 Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
 API 43-013-33161
 Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
 API 43-013-33163
 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
 API 43-013-33107
 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
 API 43-013-33019
 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
 API 43-013-33069
 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
 API 43-013-33023
 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
 API 43-013-33003
 Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
 API 43-013-30873
 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
 API 43-013-32961
 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
 API 43-013-33343

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

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

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

RECEIVED

DEC 20 2013

DIV OF OIL, GAS & MINING AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, 1 C
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES
CAUSE NO. UIC-415 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING
 COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND D
 ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT
 NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON
 UTAHLEGALS.COM INDEFINITELY COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104

Dated this 11th day of December, 2013.

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

923768

NEWSPAPER PUBLICATION DATE AND REMAINS ON

PUBLISHED ON Start 12/13/2013 End 12/13/2013

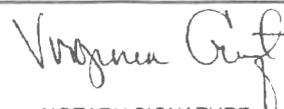
SIGNATURE 

DATE 12/13/2013

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

2210/REB/6131




 NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

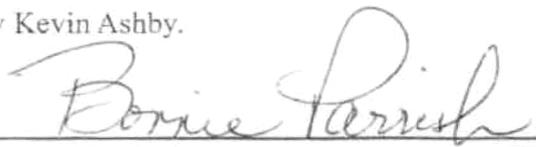
County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

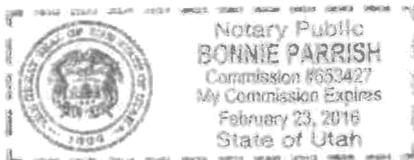


Publisher

Subscribed and sworn to before me on this
23 day of December, 20 13

by Kevin Ashby.


Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

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 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Continued on next page

Continued from previous page

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Range 16 East

API 43-013-33853

Castle Peak 32-16

well located in SW/4

NE/4, Section 16,

Township 9 South,

Range 16 East

API 43-013-30650

Federal 10-17-9-

16 well located in

NW/4 SE/4, Section

17, Township 9 South,

Range 16 East

API 43-013-33033

Federal 12-17-9-

16 well located in

NW/4 SW/4, Section

17, Township 9 South,

Range 16 East

API 43-013-33035

Federal 16-18-9-

16 well located in

SE/4 SE/4, Section

18, Township 9 South,

Range 16 East

API 43-013-32922

Federal 2-19-9-16

well located in NW/4

NE/4, Section 19,

Township 9 South,

Range 16 East

API 43-013-33063

Federal 6-19-9-16

well located in SE/4

NW/4, Section 19,

Township 9 South,

Range 16 East

API 43-013-33100

Federal 12-19-9-

16 well located in

NW/4 SW/4, Section

19, Township 9 South,

Range 16 East

API 43-013-33102

Federal 14-19-9-

16 well located in

SE/4 SW/4, Section

19, Township 9 South,

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 535-5340. 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 intervenors should be prepared to demonstrate at a hearing how this matter affects their interests. Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL
& MINING
/s/
Brad Hill
Permitting Manager
Published in the
Uintah Basin Standard
December 17, 2013

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DEC 24 2013

DIV OF OIL, GAS & MINING

Federal 14-19-9-

16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33161

Federal 16-19-9-

16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33163

Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33107

Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33019

Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33069

Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33023

Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33343

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.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33035
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API 43-013-32922
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API 43-013-33063
Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33100
Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33102
Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33161
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33163
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33107
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33019
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33069
Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33023
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

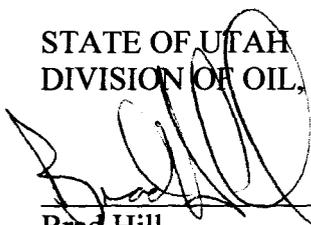
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Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16,
FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16,
FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16,
FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16,
FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16,
FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23,
FEDERAL 8-23-9-16, FEDERAL 14-24-9-16**

Cause No. UIC-415

Publication Notices were sent to the following:

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

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

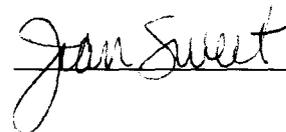
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

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

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

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





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

December 12, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

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



12/12/2013

State of Utah Mail - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

1 message

UB Standard Legals <ubslegals@ubmedia.biz>

Thu, Dec 12, 2013 at 1:22 PM

To: Jean Sweet <jsweet@utah.gov>

On 12/12/2013 11:59 AM, Jean Sweet wrote:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

–

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

This will publish Dec. 17. Thank you. Merry Christmas.
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

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-415

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

12/12/2013

State of Utah Mail - Proof for Notice



Jean Sweet <jsweet@utah.gov>

Proof for Notice

1 message

Stowe, Ken <naclegal@mediaoneutah.com>
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

Thu, Dec 12, 2013 at 12:34 PM

AD# 927358
Run SL Trib & Des News 12/13
Cost \$478.76
Thank You

 **OrderConf.pdf**
185K

Order Confirmation for Ad #0000927358-01

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	juliecarter@utah.gov	Jean	kstowe

Total Amount **\$478.76**

Payment Amt **\$0.00**

Amount Due	\$478.76	Tear Sheets	0	Proofs	0	Affidavits	1
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Payment Method **PO Number** Newfield Cause UIC-4

Confirmation Notes:
 Text: Jean

Ad Type	Ad Size	Color
Legal Liner	3.0 X 94 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	12/13/2013	

**Order Confirmation
 for Ad #0000927358-01**

Ad Content Proof Actual Size

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

December 5, 2013

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

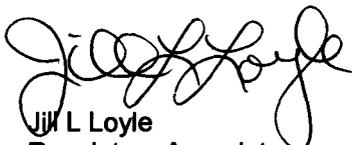
RE: Permit Application for Water Injection Well
Federal #4-21-9-16
Monument Butte Field, Lease #UTU-64379
Section 21-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #4-21-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,


Jill L. Loyle
Regulatory Associate

RECEIVED

DEC 06 2013

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #4-21-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-64379
DECEMBER 5, 2013

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Federal 4-21-9-16

Spud Date: 10-25-06
 Put on Production: 12-12-06
 GL: 5991' KB: 6003'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

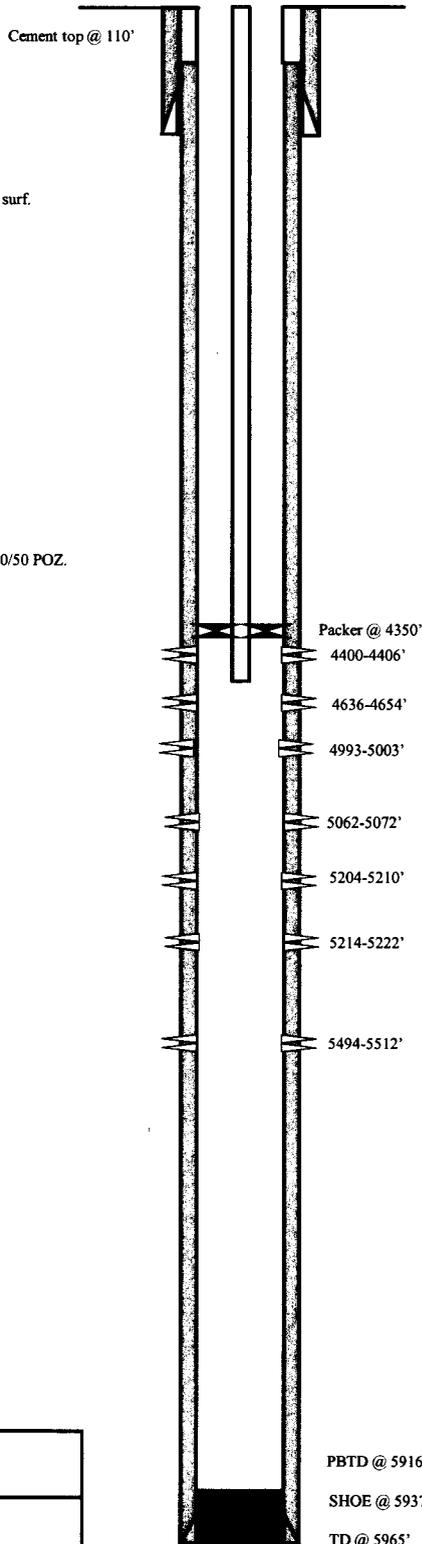
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.54')
 DEPTH LANDED: 322.39' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts (5924.58')
 DEPTH LANDED: 5937.83' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ.
 CEMENT TOP AT: 110'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 173 jts (5453.00')
 TUBING ANCHOR: 5465.00' KB
 NO. OF JOINTS: 1 jts (31.52')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5499.32' KB
 NO. OF JOINTS: 2 jts (63.04')
 TOTAL STRING LENGTH: EOT @ 5563.91' KB



FRAC JOB

12-04-06	5494-5512'	Frac CPI sands as follows: 5213# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25 BPM. ISIP 2550 psi. Calc flush: 5492 gal. Actual flush: 10458 gal.
12-04-06	5204-5222'	Frac LODC sands as follows: 23667# 20/40 sand in 320 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 25 BPM. ISIP 2850 psi. Calc flush: 5202 gal. Actual flush: 4704 gal.
12-05-06	4993-5072'	Frac A3, A1 sands as follows: 117759# 20/40 sand in 829 bbls Lightning 17 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 4991 gal. Actual flush: 4704 gal.
12-05-06	4636-4654'	Frac DS2 sands as follows: 80794# 20/40 sand in 588 bbls Lightning 17 frac fluid. Treated @ avg press of 1519 w/ avg rate of 25 BPM. ISIP 2000 psi. Calc flush: 4634 gal. Actual flush: 4158 gal.
12-05-06	4400-4406'	Frac PB11 sands as follows: 20165# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2077 w/ avg rate of 25 BPM. ISIP 1720 psi. Calc flush: 4398 gal. Actual flush: 4284 gal.
11/13/08		Parted rods. Updated rod & tubing details.

PERFORATION RECORD

11-29-06	5494-5512'	4 JSPF	72 holes
12-04-06	5214-5222'	4 JSPF	32 holes
12-04-06	5204-5210'	4 JSPF	24 holes
12-04-06	5062-5072'	4 JSPF	40 holes
12-04-06	4993-5003'	4 JSPF	40 holes
12-05-06	4636-4654'	4 JSPF	72 holes
12-05-06	4400-4406'	4 JSPF	24 holes

NEWFIELD

Federal 4-21-9-16

851' FNL & 782' FWL

NW/NW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33069; Lease # UTU-64379

WORK PROCEDURE FOR INJECTION CONVERSION

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

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

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
 - 2.1 The name and address of the operator of the project.**

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

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

See Attachment A.

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

Approval is requested to convert the Federal #4-21-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

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

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

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

The injection zone is in the Green River Formation. For the Federal #4-21-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3900' - 5916'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3580' and the TD is at 5965'.

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

The referenced log for the Federal #4-21-9-16 is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

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

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

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

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 322' KB, and 5-1/2", 15.5# casing run from surface to 5938' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1691 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #4-21-9-16, for existing perforations (4400' - 5512') calculates at 0.82 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 1691 psig. We may add additional perforations between 3580' and 5965'. See Attachments G and G-1.

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

In the Federal #4-21-9-16, the proposed injection zone (3900' - 5916') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

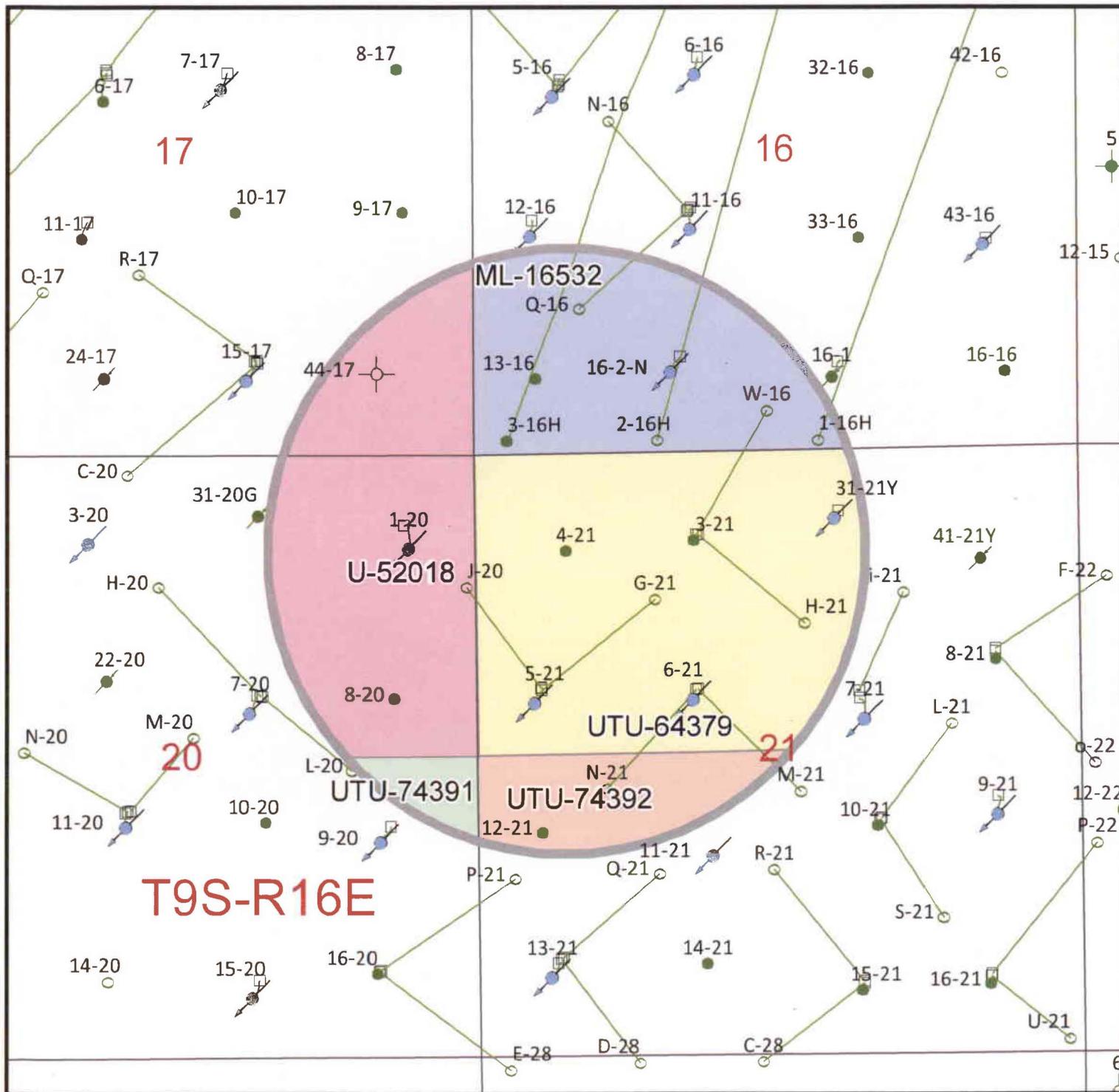
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



Lease Number

- ML-16532
- U-52018
- UTU-64379
- UTU-74391
- UTU-74392

Well Status

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

Federal 4-21-9-16
Section 21, T9S-R16E

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

1/2 Mile Radius Map

Duchesne County

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

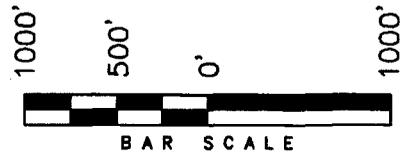
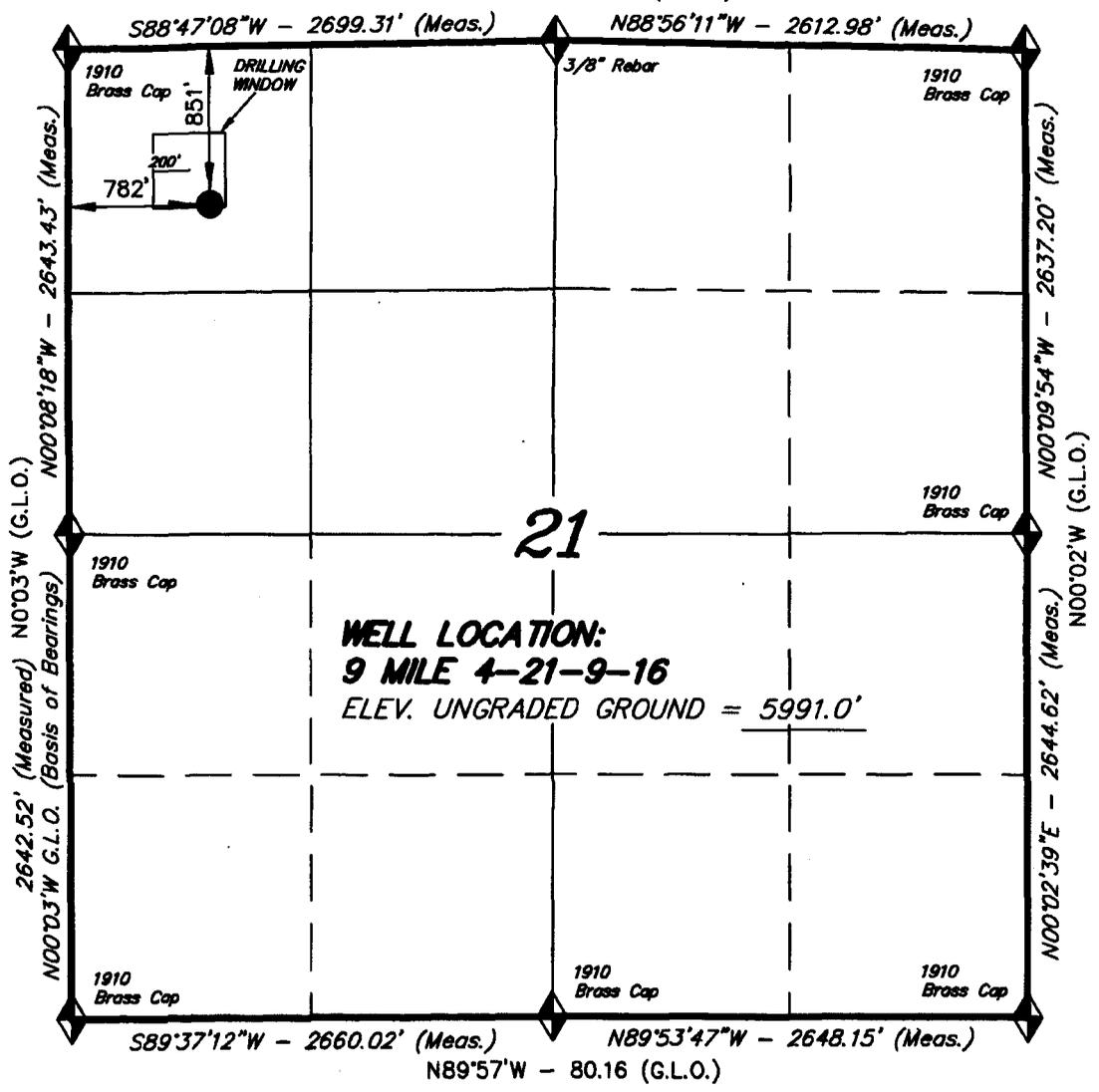
Nov. 7, 2013

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

N89°57'W - 80.00 (G.L.O.)

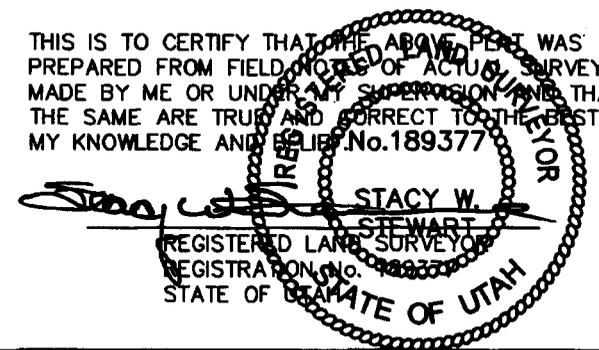
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 4-21-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 1/4 OF SECTION 21, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
9 MILE 4-21-9-16
 ELEV. UNGRADED GROUND = 5991.0'

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



◆ = SECTION CORNERS LOCATED

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

9 MILE 4-21-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 16.77"
 LONGITUDE = 110° 07' 51.52"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 1-3-06	SURVEYED BY: C.M.
DATE DRAWN: 1-04-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R16E SLM Section 16: All	State of Utah ML-16532 HBP	Newfield Production Company Newfield RMI LLC QEP Energy Company El Paso E&P Company LP American Petroleum Corp Brave River Production Trans Republic Resources Inc. El Paso Production Oil & Gas Company	State of Utah

5	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3, 4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
---	---------------------------------------------------------------------------------------------------------	-------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	-----

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #4-21-9-16

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

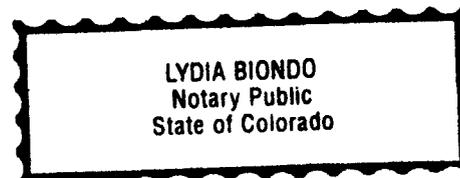
Signed: _____


Newfield Production Company
Jill L Loyle
Regulatory Associate

Sworn to and subscribed before me this 5th day of December, 2013.

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

My Commission Expires: 12/31/15



Federal 4-21-9-16

Spud Date: 10-25-06
 Put on Production: 12-12-06
 GL: 5991' KB: 6003'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.54')
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 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

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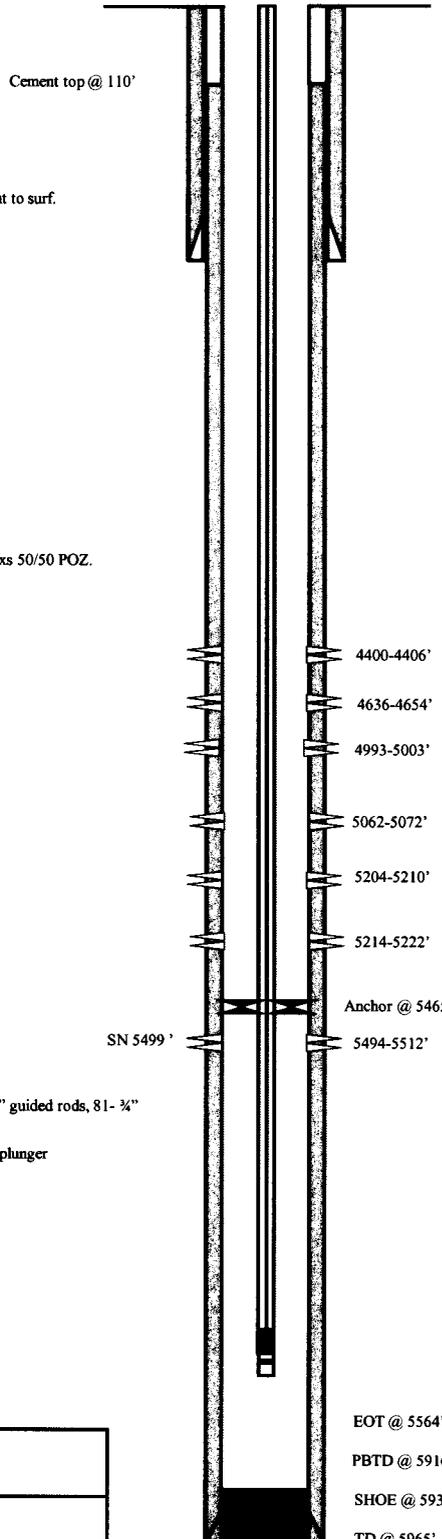
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SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 173 jts (5453.00')
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 NO. OF JOINTS: 1 jts (31.52')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5499.32' KB
 NO. OF JOINTS: 2 jts (63.04')
 TOTAL STRING LENGTH: EOT @ 5563.91' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 1-2', 4', 6', 8' x 3/4" pony rods, 99- 3/4" guided rods, 81- 3/4" plain rods, 32- 3/4" guided rods, 6- 1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC w/SM plunger
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5 SPM



FRAC JOB

12-04-06 5494-5512' **Frac CP1 sands as follows:**
 5213# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25 BPM. ISIP 2550 psi. Calc flush: 5492 gal. Actual flush: 10458 gal.

12-04-06 5204-5222' **Frac LODC sands as follows:**
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12-05-06 4993-5072' **Frac A3, A1 sands as follows:**
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12-05-06 4636-4654' **Frac DS2 sands as follows:**
 80794# 20/40 sand in 588 bbls Lightning 17 frac fluid. Treated @ avg press of 1519 w/ avg rate of 25 BPM. ISIP 2000 psi. Calc flush: 4634 gal. Actual flush: 4158 gal.

12-05-06 4400-4406' **Frac PB11 sands as follows:**
 20165# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2077 w/ avg rate of 25 BPM. ISIP 1720 psi. Calc flush: 4398 gal. Actual flush: 4284 gal.

11/13/08 Parted rods. Updated rod & tubing details.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
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12-04-06	5204-5210'	4 JSPF	24 holes
12-04-06	5062-5072'	4 JSPF	40 holes
12-04-06	4993-5003'	4 JSPF	40 holes
12-05-06	4636-4654'	4 JSPF	72 holes
12-05-06	4400-4406'	4 JSPF	24 holes

NEWFIELD

Federal 4-21-9-16

851' FNL & 782' FWL

NW/NW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33069; Lease # UTU-64379

Federal 3-21-9-16

Spud Date: 10-24-06
 Put on Production: 12-7-06
 GL: 5975' KB: 5987'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.86')
 DEPTH LANDED: 322.71' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G", circ. 2 bbls to surf.

PRODUCTION CASING

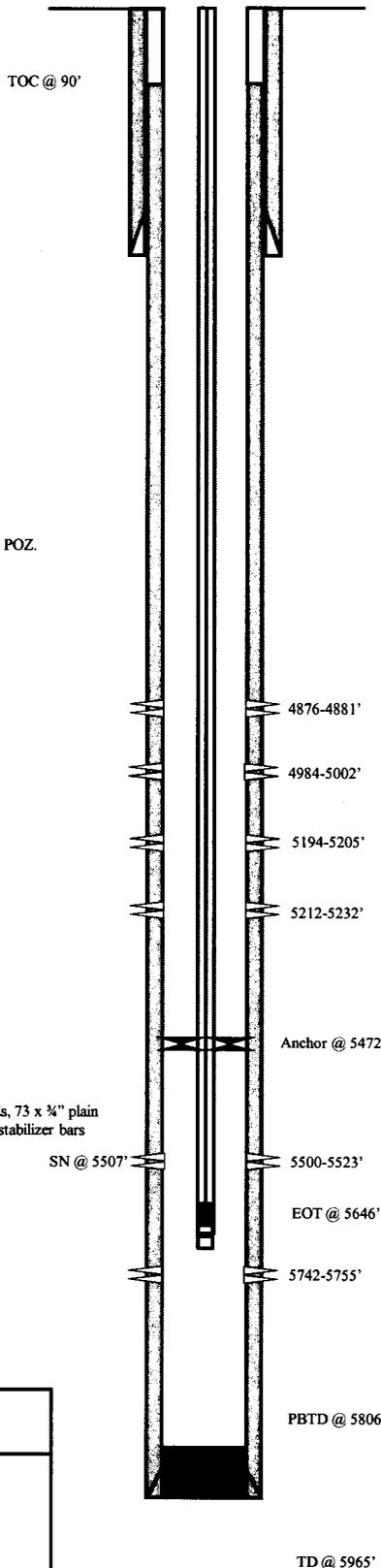
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts (5839.32')
 DEPTH LANDED: 5852.57' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 90' per CBL 11/27/06

TUBING (GI 12/22/08)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 170 jts (5459.6')
 TUBING ANCHOR: 5471.6' KB
 NO. OF JOINTS: 1 jts (32.27')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5506.67' KB
 NO. OF JOINTS: 1 jts (33.42')
 GAS ANCHOR: 5.2'
 NIPPLE: 2-7/8" (0.3')
 NO. OF JOINTS: 3jts (95.00)
 BULLPLUG: 2-7/8" (0.7')
 TOTAL STRING LENGTH: EOT @ 5646.27' KB

SUCKER RODS (GI 12/22/08)

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4', 8' x 3/4" pony rods, 100 x 3/4" scraped rods, 73 x 3/4" plain rods, 40 x 3/4" scraped rods, 6 x 1-1/2" weight rods, 6 x 3' x 3/4" stabilizer bars (sinker/stabilizer alternating).
 PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC w/SM plunger
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4
 PUMPING UNIT: DARCO C-228-213-86



FRAC JOB

11-30-06	5742-5755'	Frac CP4 sands as follows: 29540# 20/40 sand in 399 bbls Lightning 17 frac fluid. Treated @ avg press of 2075 psi w/avg rate of 24.9 BPM. ISIP 2100 psi. Calc flush: 5740 gal. Actual flush: 5233 gal.
12-01-06	5500-5523'	Frac CP1 sands as follows: 89095# 20/40 sand in 713 bbls Lightning 17 frac fluid. Treated @ avg press of 1762 psi w/avg rate of 24.8 BPM. ISIP 1830 psi. Calc flush: 5498 gal. Actual flush: 4994 gal.
12-01-06	5194-5232'	Frac LODC sands as follows: 126238# 20/40 sand in 886 bbls Lightning 17 frac fluid. Treated @ avg press of 2565 psi w/avg rate of 24.7 BPM. ISIP 2450 psi. Calc flush: 5192 gal. Actual flush: 4675 gal.
12-01-06	4984-5002'	Frac A1 sands as follows: 18951# 20/40 sand in 288 bbls Lightning 17 frac fluid. Treated @ avg press of 2110 w/ avg rate of 24.9 BPM. ISIP 2130 psi. Calc flush: 4982 gal. Actual flush: 4519 gal.
12-01-06	4876-4881'	Frac B2 sands as follows: 12667# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 w/ avg rate of 25.0 BPM. ISIP 1710 psi. Calc flush: 4874 gal. Actual flush: 4788 gal.
03/10/07		Pump Change. Update rod and tubing details.
12/19/08		Tubing Leak. Updated rod & tubing details.
09/08/08		Parted Rods. Updated rod & tubing details.

PERFORATION RECORD

11-27-06	5742-5755'	4 JSPF	52 holes
11-30-06	5500-5523'	4 JSPF	92 holes
12-01-06	5212-5232'	4 JSPF	80 holes
12-01-06	5194-5205'	4 JSPF	44 holes
12-01-06	4984-5002'	4 JSPF	72 holes
12-01-06	4876-4881'	4 JSPF	20 holes

NEWFIELD

Federal 3-21-9-16

774' FNL & 1909' FWL

NE/NW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33019; Lease # UTU-64379

Spud Date: 10/22/06
 Put on Production: 12/07/06
 GL: 6019' KB: 6031'

Federal 6-21-9-16

Injection Wellbore Diagram

SURFACE CASING

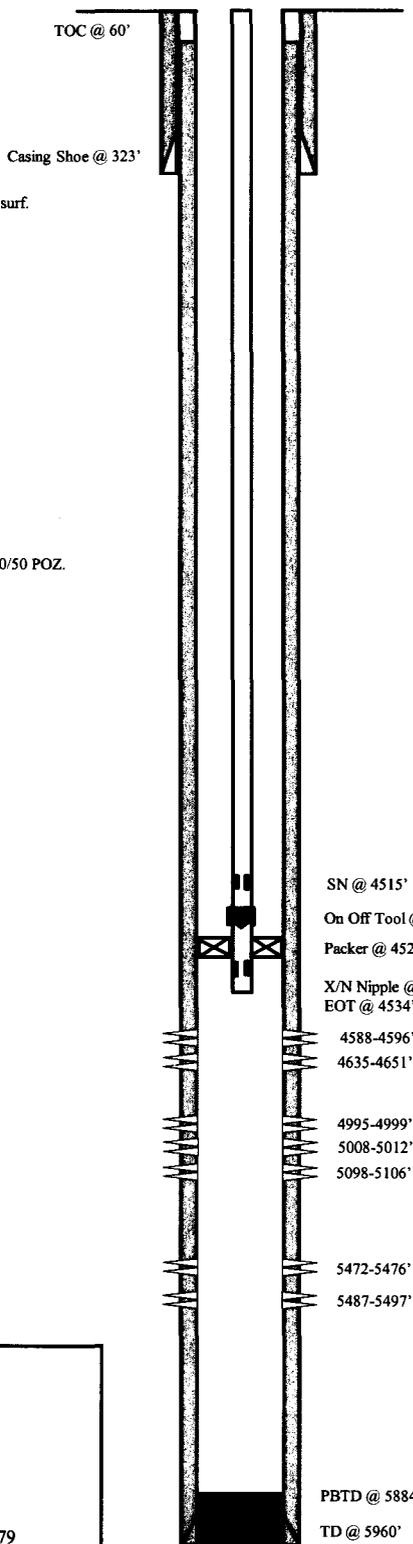
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.77')
 DEPTH LANDED: 322.62' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5916.95')
 DEPTH LANDED: 5930.20' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 144 jts (4500.5')
 STRETCH (1.2)
 NO. OF JOINTS: 1 jts (1.1')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4514.9' KB
 ON/OFF TOOL AT: 4517.8'
 ARROW #1 PACKER CE AT: 4524'
 XO 2-3/8 x 2-7/8 J-55 AT: 4527.7'
 TBG PUP 2-3/8 J-55 AT: 4528.2'
 X/N NIPPLE AT: 4532.3'
 TOTAL STRING LENGTH: EOT @ 4533.9'



FRAC JOB

11/28/06 5497-5472' **Frac CPI sands as follows:**
 60318# 20/40 sand in 517 bbls Lightning 17 frac fluid. Treated @ avg press of 2202 psi w/avg rate of 25.0 BPM. ISIP 3010 psi. Calc flush: 5495 gal. Actual flush: 4964 gal.

11/28/06 5098-5106' **Frac LODC sands as follows:**
 19850# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2154 psi w/avg rate of 14.3 BPM. ISIP 2720 psi. Calc flush: 5096 gal. Actual flush: 4590 gal.

11/28/06 4651-4588' **Frac D1 & D2 sands as follows:**
 126303# 20/40 sand in 857 bbls Lightning 17 frac fluid. Treated @ avg press of 1655 psi w/avg rate of 24.8 BPM. ISIP 1880 psi. Calc flush: 4649 gal. Actual flush: 4494 gal.

03/15/07 **Pump Change.** Update rod and tubing details.

11/11/10 4995-5012' **Frac A3 sands as follows:** 32618# 20/40 sand in 283 bbls Lightning 17 fluid.

11/17/10 **Re-Completion finalized** - updated tbg and rod details

4/7/2011 **Pump Change.** Rod & tubing detail updated.

07/24/13 **Convert to Injection Well**

07/30/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
11/28/06	5487-5497'	4 JSPF	40 holes
11/28/06	5472-5476'	4 JSPF	16 holes
11/28/06	5098-5106'	4 JSPF	32 holes
11/28/06	4635-4651'	4 JSPF	64 holes
11/28/06	4588-4596'	4 JSPF	32 holes
11/11/10	5008-5012'	3 JSPF	12 holes
11/11/10	4995-4999'	3 JSPF	12 holes

NEWFIELD

Federal 6-21-9-16
 2159'FNL & 1887' FWL
 SE/NW Section 21-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33021; Lease #UTU-64379

Federal 12-21-9-16

Spud Date: 7-30-07
Put on Production: 8-28-07

GL: 6054' KB: 6066'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (302.22')
DEPTH LANDED: 313.23' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts (6047.38')
DEPTH LANDED: 6061.02' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 152'

TUBING

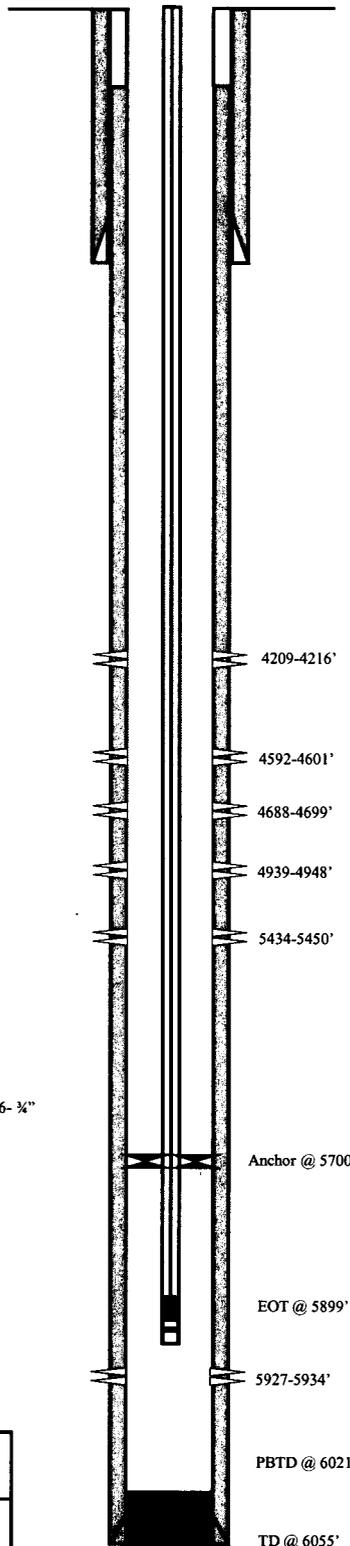
SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 181 jts (5688.')

TUBING ANCHOR: 5700.' KB
NO. OF JOINTS: 2 jts (63.00')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5766.' KB
NO. OF JOINTS: 1 jts (31.50')
GAS ANCHOR: 5799
NO. OF JOINTS: 3 jts (94.6)
TOTAL STRING LENGTH: EOT @ 5899' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-4', 1-8' X 3/4" Pony Rods, 99- 3/4" guided rods, 106- 3/4" plain rods, 19- 3/4" guided rods, 6-1 1/2" sinker bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

Date	Job ID	Description
08-24-07	5927-5934'	Frac BSLs sands as follows: 29629# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 24.7 BPM. ISIP 2025 psi. Calc flush: 5925 gal. Actual flush: 5376 gal.
08-24-07	5434-5450'	Frac CPI sands as follows: 70328# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 24.7 BPM. ISIP 2435 psi. Calc flush: 5432 gal. Actual flush: 4872 gal.
08-24-07	4939-4948'	Frac A3 sands as follows: 39870# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 4937 gal. Actual flush: 4410 gal.
08-24-07	4688-4699'	Frac C sand as follows: 47661# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 1903 w/ avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4686 gal. Actual flush: 4221 gal.
08-24-07	4592-4601'	Frac D2 sand as follows: 48185# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated @ avg press of 1687 w/ avg rate of 24.7 BPM. ISIP 1740 psi. Calc flush: 4590 gal. Actual flush: 4074 gal.
08-24-07	4209-4216'	Frac pb8 sand as follows: 37092# 20/40 sand in 322 bbls Lightning 17 frac fluid. Treated @ avg press of 2218 w/ avg rate of 24.7 BPM. ISIP 3225 psi. Calc flush: 4207 gal. Actual flush: 1718 gal.

12-12-07
10/26/09
10/14/11

Pump Change. Updated rod & tubing details.
Pump Change. Updated rod & tubing details.
Pump Change. Updated rod & tubing details.

PERFORATION RECORD

Date	Job ID	Tool	Holes
08-20-07	5927-5934'	4 JSPF	28 holes
08-24-07	5434-5450'	4 JSPF	64 holes
08-24-07	4939-4948'	4 JSPF	36 holes
08-24-07	4688-4699'	4 JSPF	44 holes
08-24-07	4592-4601'	4 JSPF	36 holes
08-24-07	4209-4216'	4 JSPF	28 holes

NEWFIELD

Federal 12-21-9-16

1952' FSL & 557' FWL

NW/SW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33143; Lease # ÚTU-74392

Federal 5-21-9-16

Spud Date: 10/21/06
 Put on Production: 12/02/06
 K.B.: 6048' G.L.: 6036'

Injection Wellbore Diagram

SURFACE CASING

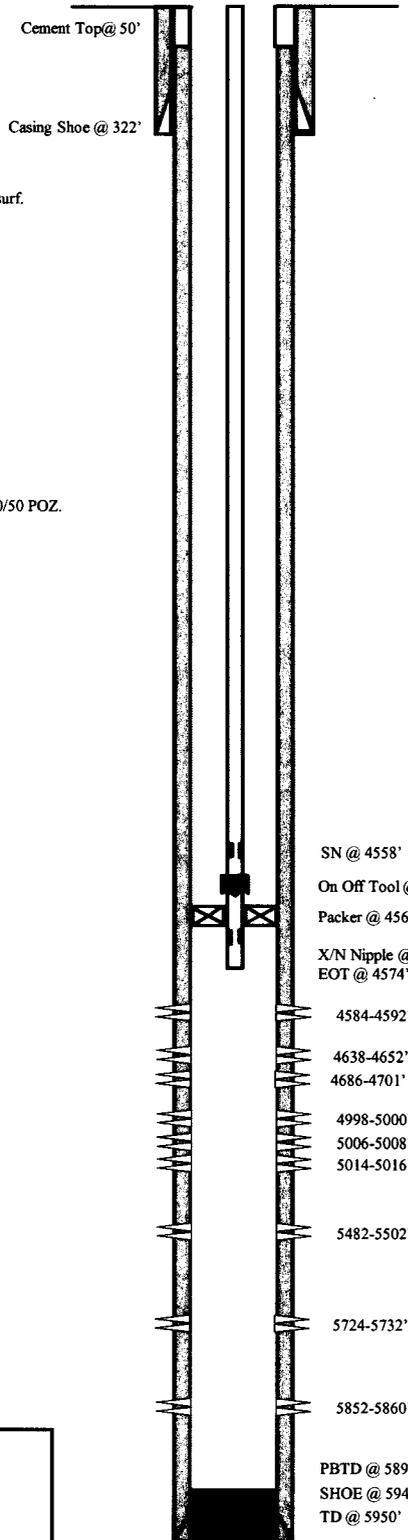
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.62')
 DEPTH LANDED: 322.47' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5927.96')
 DEPTH LANDED: 5941.21' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 50'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4545.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4557.8' KB
 ON/OFF TOOL AT: 4558.9'
 ARROW #1 PACKER CE AT: 4564.8'
 XO 2-3/8 x 2-7/8 J-55 AT: 4567.7'
 TBG PUP 2-3/8 J-55 AT: 4568.2'
 X/N NIPPLE AT: 4572.3'
 TOTAL STRING LENGTH: EOT @ 4574'



FRAC JOB

11/22/06	5852-5860'	Frac CP5 sands as follows: 24030# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated @ avg press of 2590 psi w/avg rate of 24.8 BPM. ISIP 2850 psi. Calc flush: 5858 gal. Actual flush: 5334 gal.
11/22/06	5724-5732'	Frac CP4 sands as follows: 37476# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2400 psi w/avg rate of 24.9 BPM. ISIP 2500 psi. Calc flush: 5730 gal. Actual flush: 5216 gal.
11/22/06	5482-5502'	Frac CP1 sands as follows: 56615# 20/40 sand in 467 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 5500 gal. Actual flush: 4977 gal.
11/24/06	4584-4652'	Frac D1, D2 sands as follows: 156867# 20/40 sand in 1002 bbls Lightning 17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 25.1 BPM. ISIP 1960 psi. Calc flush: 4650 gal. Actual flush: 4494 gal.
03/21/07		Pump Change: Updated rod and tubing detail.
6/1/2010		Pump change. Updated rod and tubing detail.
9/7/2010		Pump change. Updated rod and tubing detail.
10/22/10	4998-5016'	Frac A3 sands as follows: 61766# 20/40 sand in 501 bbls Lightning 17 frac fluid.
10/25/10		Re-Completion Finalized
12/13/12		Convert to Injection Well
12/14/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Interval	JSPF	Holes
11/09/06	5852-5860'	4 JSPF	32 holes
11/22/06	5724-5732'	4 JSPF	32 holes
11/22/06	5482-5502'	4 JSPF	80 holes
11/24/06	4686-4701'	4 JSPF	60 holes
11/24/06	4638-4652'	4 JSPF	56 holes
11/24/06	4584-4592'	4 JSPF	32 holes
10/22/10	5014-5016'	3 JSPF	6 holes
10/22/10	5006-5008'	3 JSPF	6 holes
10/22/10	4998-5000'	3 JSPF	6 holes

NEWFIELD



Federal 5-21-9-16
 2033' FNL & 551' FWL
 SW/NW Section 21-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33020; Lease # UTU-64379

FEDERAL 8-20-9-16

Spud Date: 06/05/07
 Put on Production: 07/09/07
 GL: 6055' KB: 6067'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (301.95')
 DEPTH LANDED: 313.8' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

PRODUCTION CASING

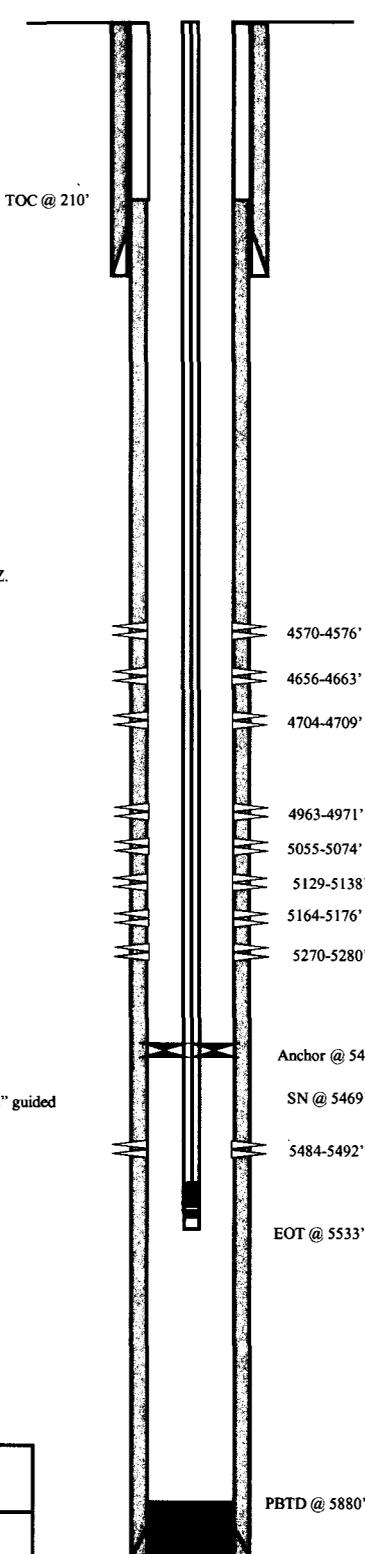
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5920.75')
 DEPTH LANDED: 5934.00' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP: 210' per CBL 6/28/07

TUBING (GI 5/21/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 174 jts (5422.26')
 TUBING ANCHOR: 5434.26' KB
 NO. OF JOINTS: 1 jt (31.65')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5468.71' KB
 NO. OF JOINTS: 2 jts (62.72')
 TOTAL STRING LENGTH: EOT @ 5532.98' KB

SUCKER RODS (GI 5/21/10)

POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 100 x 3/4" guided rods, 58 x 3/4" sucker rods, 54 x 3/4" guided rods, 6 x 1-1/2" weight bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4.0
 PUMPING UNIT: WEATHERFORD C-228-213-86



FRAC JOB

07/02/07	5484-5492'	Frac CP1 sands as follows: 15470# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 5482 gal. Actual flush: 4981 gal.
07/02/07	5270-5280'	Frac LODC sands as follows: 29548# 20/40 sand in 365 bbls Lightning 17 frac fluid. Treated @ avg press of 2397 psi w/avg rate of 24.4 BPM. ISIP 2486 psi. Calc flush: 5268 gal. Actual flush: 4796 gal.
07/02/07	5129-5176'	Frac LODC sands as follows: 4712# 20/40 sand in 389 bbls Lightning 17 frac fluid. Blender Broke. Need to Refrac. ISIP 2340 psi. Calc. flush: 5127 gal. Actual flush: 5292 gal.
07/03/07	5129-5176'	Frac LODC sands as follows: 95147# 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 2554 psi w/avg rate of 24 BPM. ISIP 2775 psi. Calc flush: 5127 gal. Actual flush: 4662 gal.
07/03/07	5055-5074'	Frac LODC sands as follows: 71220# 20/40 sand in 719 bbls Lightning 17 frac fluid. Treated @ avg press of 2372 psi w/avg rate of 24.3 BPM. ISIP 2680 psi. Calc flush: 5053 gal. Actual flush: 5095 gal.
07/03/07	4963-4971'	Frac A1 sands as follows: 40277# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 2725 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc flush: 4961 gal. Actual flush: 4452 gal
07/05/07	4656-4709'	Frac D3&C sands as follows: 29723# 20/40 sand in 376 bbls Lightning 17 frac fluid. Treated @ avg press of 1630 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4654 gal. Actual flush: 4200 gal
07/05/07	4570-4576'	Frac D1 sands as follows: 42080# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 1829 psi w/avg rate of 24.4 BPM. ISIP 1875 psi. Calc flush: 4568 gal. Actual flush: 4494 gal.
2/10/09	5129-5138'	Pump Change. Updated r & t details.
5/26/2010	5164-5176'	Tubing leak. Updated rod and tubing detail.
	5270-5280'	

PERFORATION RECORD

06/28/07	5484-5492'	4 JSPF	32 holes
07/02/07	5270-5280'	4 JSPF	40 holes
07/02/07	5164-5176'	4 JSPF	48 holes
07/02/07	5129-5138'	4 JSPF	36 holes
07/03/07	5055-5074'	4 JSPF	76 holes
07/03/07	4963-4971'	4 JSPF	32 holes
07/03/07	4704-4709'	4 JSPF	20 holes
07/03/07	4656-4663'	4 JSPF	28 holes
07/05/07	4570-4576'	4 JSPF	24 holes

NEWFIELD

FEDERAL 8-20-9-16

2133'FNL & 746' FEL

SE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33107; Lease # UTU-52018

FEDERAL 1-20-9-16

Spud Date: 05/16/07
 Put on Production: 07/25/07
 GL: 6038' KB: 6050'

Injection Wellbore Diagram

SURFACE CASING

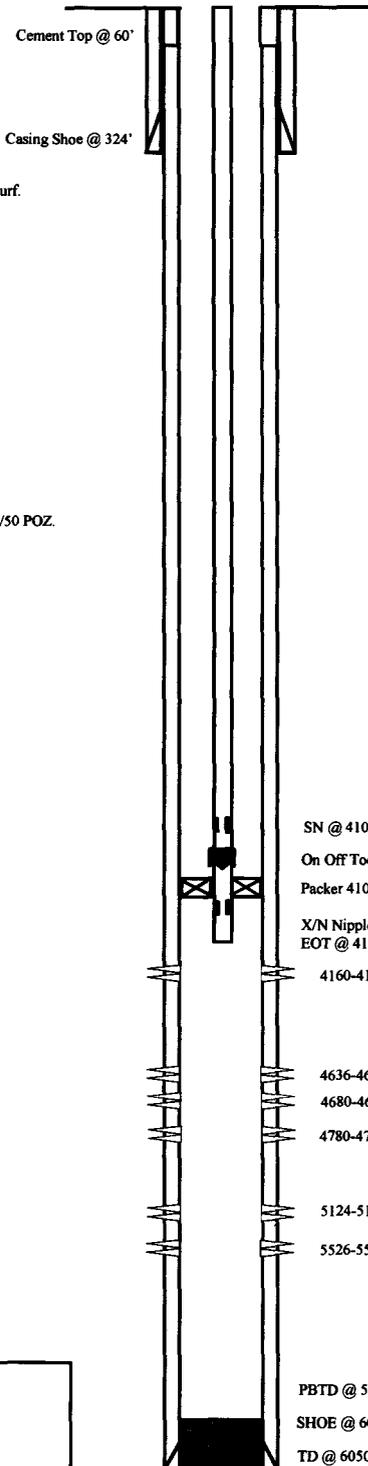
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.36')
 DEPTH LANDED: 324.21' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6015.83')
 DEPTH LANDED: 6029.08' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 133 jts (4089.7')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4102' KB
 ON/OFF TOOL AT: 4102.8'
 ARROW #1 PACKER CE AT: 4107.75'
 XO 2-3/8 x 2-7/8 J-55 AT: 4111.6'
 TBG PUP 2-3/8 J-55 AT: 4112.1'
 X/N NIPPLE AT: 4116.5'
 TOTAL STRING LENGTH: EOT @ 4118'



FRAC JOB

07/19/07 5526-5544' **Frac CP1 sands as follows:**
 40327# 20/40 sand in 416 bbls Lightning 17 frac fluid. Treated @ avg press of 2186 psi w/avg rate of 24.7 BPM. ISIP 2165 psi. Calc flush: 5524 gal. Actual flush: 5002 gal.

07/19/07 5124-5138' **Frac LODC sands as follows:**
 60273# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 2674 psi w/avg rate of 24.8 BPM. ISIP 2760 psi. Calc flush: 5122 gal. Actual flush: 4582 gal.

07/19/07 4780-4795' **Frac C sands as follows:**
 60060# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4778 gal. Actual flush: 4288 gal.

07/19/07 4680-4694' **Frac D2 sands as follows:**
 79938# 20/40 sand in 623 bbls Lightning 17 frac fluid. Treated @ avg press of 1860 psi w/avg rate of 24.8 BPM. ISIP 1960 psi. Calc flush: 4678 gal. Actual flush: 4120 gal.

07/20/07 4160-4167' **Frac GB6 sands as follows:**
 25213# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 2145 psi w/avg rate of 24.3 BPM. ISIP 2025 psi. Calc flush: 5503 gal. Actual flush: 4914 gal.

1/26/09 **Pump Change.** Updated r & t details.

10/08/12 4636-4639' **Frac D1 sands as follows:**
 12260# 20/40 sand in 178 bbls Lightning 17 frac fluid.

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

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

PERFORATION RECORD

07/10/07	5526-5544'	4 JSPF	72 holes
07/19/07	5124-5138'	4 JSPF	56 holes
07/19/07	4780-4795'	4 JSPF	60 holes
07/19/07	4680-4694'	4 JSPF	56 holes
07/19/07	4160-4167'	4 JSPF	28 holes
10/05/12	4636-4639'	3 JSPF	9 holes

NEWFIELD



FEDERAL 1-20-9-16

617'FNL & 652' FEL

NE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33066; Lease # UTU-52018

State 16-2N-9-16

Spud Date: 10-4-85

Put on Production: 11-15-85

GL 5931' KB 5953'

Injection Wellbore Diagram

SURFACE CASING

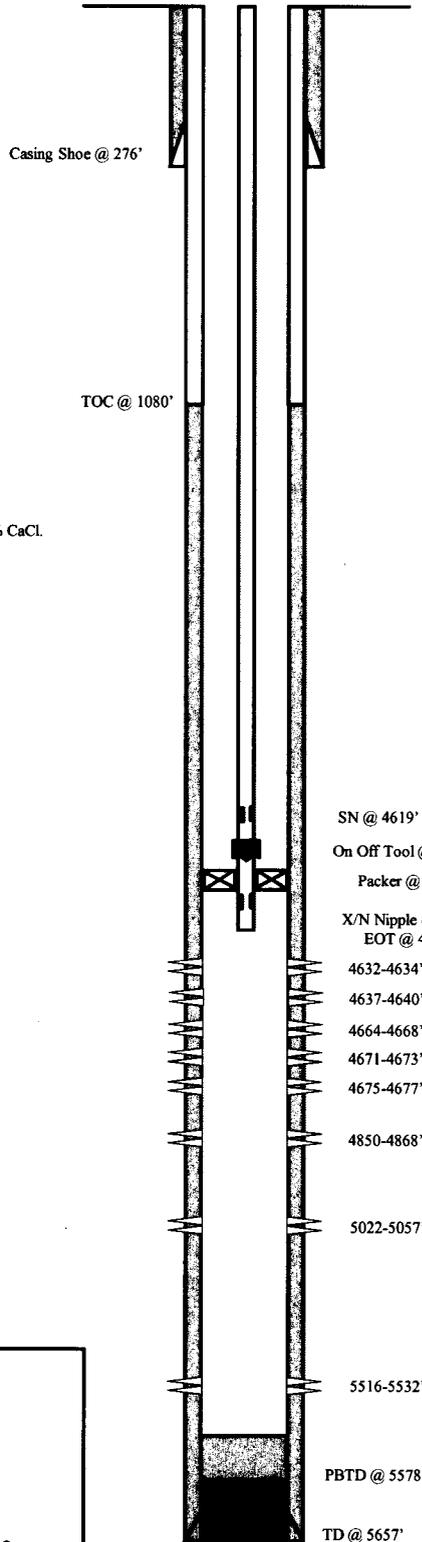
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 254'
 DEPTH LANDED: 276'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 185 sxs

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 DEPTH LANDED: 5631'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 200 SXS "Hi-fill" & 400 sxs "G" + 2% CaCl.
 TOP OF CEMENT: 1080'

TUBING

SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#
 NO. OF JOINTS: 101 jts. (3203.8')
 SIZE/GRADE/WT.: 2-7/8" / L-80 / 6.5#
 NO. OF JOINTS: 44 jts. (1400.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4618.6' KB
 ON/OFF TOOL AT: 4619.7'
 X/N NIPPLE AT: 4621.2'
 ARROW #1 PACKER CE AT: 4624'
 XO 2-3/8 x 2-7/8 J-55 AT: 4628.5'
 X/N NIPPLE AT: 4629.0'
 TOTAL STRING LENGTH: EOT @ 4631'



FRAC JOB

11/03/1985 5516-5532' Frac with 60000# 16/30 40# gel.
 11/03/1985 5022-5057' Frac with 60000# 20/40 sand 40# gel
 11/03/1985 4850-4868' Frac with 45000# 20/40 sand
 2/20/09 Tubing leak. Updated rod & tubing details
 11/27/12 4632-4677' **Frac D1 & D2 sands as follows: 40694# 20/40 sand in 541 bbls Lightning 17 frac fluid.**
 12/03/12 **Convert to Injection Well**
 12/04/12 **Conversion MIT Finalized - update tbg detail**

PERFORATION RECORD

5516-5532'	2 JSPF	9 holes
5022-5057'	2 JSPF	8 holes
4850-4868'	2 JSPF	6 holes
4675-4677'	3 JSPF	6 holes 11/27/12
4671-4673'	3 JSPF	6 holes 11/27/12
4664-4668'	3 JSPF	6 holes 11/27/12
4637-4640'	3 JSPF	6 holes 11/27/12
4632-4634'	3 JSPF	6 holes 11/27/12

NEWFIELD

State 16-2N-9-16
 1836' FWL & 801' FSL
 SE/SW Section 16-T9S-R16E
 Duchesne County, Utah
 API #43-013-31094; Lease #ML-16532

Spud Date: 4/9/08
 Put on Production: 6/18/08
 GL: 5959' KB: 5971'

State 13-16-9-16

Injection Wellbore
 Diagram

SURFACE CASING

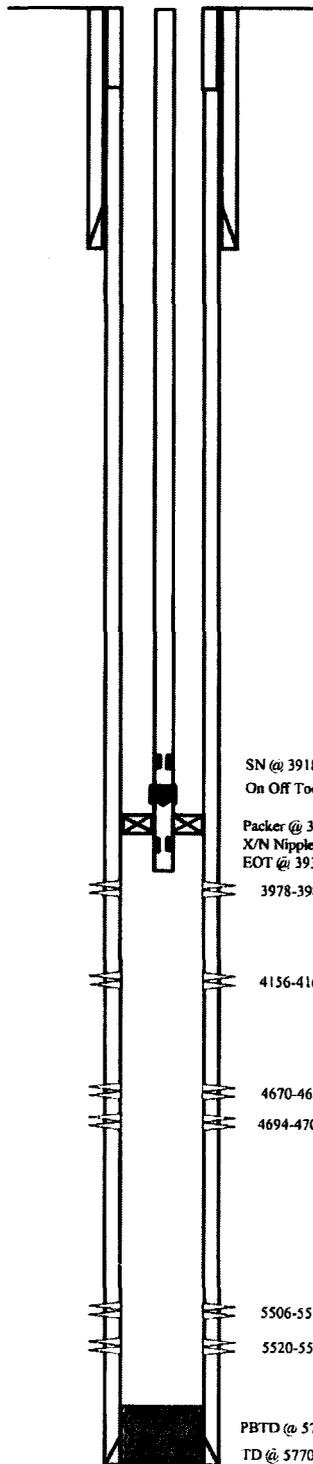
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.38')
 DEPTH LANDED: 323.38' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To Surface with 160 sxs Class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 126 jts (5750.14') Includes Shoe It (20 14')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5763.29' KB
 CEMENT DATA: 275 sxs Premlite II and 400 sxs 50/50 Poz
 CEMENT TOP AT: 46'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 125 jts (3906.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3918.3' KB
 ON/OFF TOOL AT: 3919.4'
 ARROW #1 PACKER CE AT: 3924.63'
 XO 2-3/8 x 2-7/8 J-55 AT: 3928.8'
 TBG PUP 2-3/8 J-55 AT: 3929.3'
 X/N NIPPLE AT: 3933.5'
 TOTAL STRING LENGTH: EOT @ 3935'



FRAC JOB

06-06-08 5506-5528' **Frac C1 sds as follows:** 40,770# 20/40 sand in 426 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1994 psi w/ ave rate of 23.8 BPM. ISIP 2188 psi Actual Flush: 4914 gals

06-06-08 4670-4701' **Frac D2 sds as follows:** 40,545# 20/40 sand in 410 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1811 psi w/ ave rate of 23.8 BPM. ISIP 1920 psi. Actual Flush: 4120 gals.

06-06-08 4156-4164' **Frac GB6 sds as follows:** 50,204# 20/40 sand in 438 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1855 psi w/ ave rate of 24.0 BPM. ISIP 1810 psi Actual Flush: 3692 gals.

06-06-08 3978-3986' **Frac GB2 sds as follows:** 30,226# 20/40 sand in 366 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1552 psi w/ ave rate of 15.6 BPM. ISIP 1587 psi Actual Flush: 3893 gals.

1/6/09 **Tubing Leak.** Updated rod & tubing details

9/30/09 **Tubing Leak.** Updated rod & tubing

07/24/10 **Pump Change.** Updated rod & tubing

4/19/2011 **Tubing Leak.** Updated rods & tubing

02/06/14 **Convert to Injection Well**

02/07/14 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

3978-3986' 4 JSPF 32 holes
 4156-4164' 4 JSPF 32 holes
 4670-4680' 4 JSPF 40 holes
 4694-4701' 4 JSPF 28 holes
 5506-5516' 4 JSPF 40 holes
 5520-5528' 4 JSPF 32 holes

NEWFIELD

State 13-16-9-16
 652' FSL & 524' FWL (SW/SW)
 Section 16, T9S, R16E
 Duchesne County, Utah
 API #43-013-33853; Lease # Utah State ML-16532

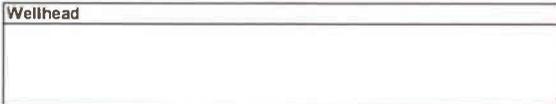
ATTACHMENT E-9

GMB 3-16-9-16H

Wellbore Diagram



Surface Location: NE/NW, Sec 16, T9S R16E
 County/State: Greater Monument Butte, Duchesne County, Utah
 Elevation: 5847' GL + 12' KB API: 43-013-50441



8-5/8" Casing Shoe
1,025

Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bb/ft	Hole	TOC
Surface	8-5/8"	24#	J-55	LTC	0	1,025							Surface
Production	5-1/2"	17#	M-80	LTC	0	5,993	7,740	7,020	4.892	4.767	0.0233	7-7/8"	Port Collar:
Production	4-1/2"	11 6#	P-110	LTC	5,993	10,249	7,774	8,510	4.000	3.875	0.0155	6-1/8"	5,654' md to Surface
					TVD	6,011	burst & collapse values are book, no additional safety factors have been applied						

Tubing Detail	Size	Wt.	Grade	Conn.	Length	Top	Bottom	Joints
TBG DETAIL: sand drain valve, 3 jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub, 1 jt 2 7/8" tbg., SN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 187 jts 2 7/8" tbg and tbg hanger. TA @5,870'. SN @ 5,903'. EOT @ 6,052' NOTE on Tubing Anchor: TA (shortened inner springs & beveled outer springs-4.625" OD)								

WELLBORE FLUIDS
Lateral section fluid= +/-8.4 ppg "clean" brine

Rod Detail	Size	Grade	Count	Length	Top	Bottom
Pump and Rod Detail: Weatherford MacGyver 1 3/4" x 28' rod pump, stabilizer sub, on/off tool, stabilizer sub, SE 4 Co-rod, 1- 8', 6', 4', 2' x 7/8" pony rods, 1 1/2" x 26' polished rod NOTE on Pump: with CoRod, must have Clutch (on/off tool) installed.						

Proposed Frac Data	Packers Plus 12 Stage StackFrac HD Stimulation Liner									Prop Vol (lbs)	Total Clean Vol (bbbls)	
	Top	Bottom										
Toe Section	10,249	10,249	Packers Plus 4-1/2" Toe Circulating Sub w/1,000' Seal for 1.250" SF2 High Pressure Ball (Actuated at 1,098 psi), And Open Hole TD									
Stage 1	10,087	10,249	Dual Hydraulic Frac Port:	Depth 10,160	Ball OD (in) NA	Seat ID (in) NA	Vol to Seat (bbbl) 204.33	Actual Vol (bbbl) NA	Difference (bbbl) NA	Ball Action (ΔP) NA	100 mesh sand 0	
Mechanical Packer 1	10,002	10,007	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 0	1,903	
Stage 2	9,682	10,002	FracPort 2:	Depth 9,841	Ball OD (in) 2,125	Seat ID (in) 2,000	Vol to Seat (bbbl) 199.39	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 34,144	2,342
Mechanical Packer 2	9,677	9,682	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 30,760		
Stage 3	9,914	9,677	FracPort 3:	Depth 9,517	Ball OD (in) 2,250	Seat ID (in) 2,125	Vol to Seat (bbbl) 194.37	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 38,388	2,775
Mechanical Packer 3	9,354	9,359	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 18,836		
Stage 4	9,035	9,354	FracPort 4:	Depth 9,193	Ball OD (in) 2,375	Seat ID (in) 2,250	Vol to Seat (bbbl) 189.36	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 7,548	2,716
Mechanical Packer 4	9,030	9,035	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 0		
Stage 5	8,710	9,030	FracPort 5:	Depth 8,869	Ball OD (in) 2,500	Seat ID (in) 2,375	Vol to Seat (bbbl) 184.35	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 28,177	4,116
Mechanical Packer 5	8,705	8,710	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 30,591		
Stage 6	8,388	8,705	FracPort 6:	Depth 8,544	Ball OD (in) 2,625	Seat ID (in) 2,500	Vol to Seat (bbbl) 179.32	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 37,277	3,907
Mechanical Packer 6	8,381	8,386	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 30,591		
Stage 7	8,068	8,381	FracPort 7:	Depth 8,220	Ball OD (in) 2,750	Seat ID (in) 2,625	Vol to Seat (bbbl) 174.30	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 32,229	2,784
Mechanical Packer 7	8,061	8,066	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 21,643		
Stage 8	7,743	8,061	FracPort 8:	Depth 7,901	Ball OD (in) 2,875	Seat ID (in) 2,750	Vol to Seat (bbbl) 169.37	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 35,078	3,706
Mechanical Packer 8	7,738	7,743	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 30,420		
Stage 9	7,418	7,738	FracPort 9:	Depth 7,577	Ball OD (in) 3,000	Seat ID (in) 2,875	Vol to Seat (bbbl) 164.35	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 30,308	2,777
Mechanical Packer 9	7,413	7,418	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 14,314		
Stage 10	6,788	7,413	FracPort 10:	Depth 7,252	Ball OD (in) 3,125	Seat ID (in) 3,000	Vol to Seat (bbbl) 159.32	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 25,505	1,869
Mechanical Packer 10	7,088	7,093	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 3,487		
Stage 11	6,768	7,088	FracPort 11:	Depth 6,927	Ball OD (in) 3,250	Seat ID (in) 3,125	Vol to Seat (bbbl) 160.37	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 37,884	2,804
Mechanical Packer 11	6,763	6,768	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 36,949		
Stage 12	6,445	6,763	FracPort 11:	Depth 6,801	Ball OD (in) 3,375	Seat ID (in) 3,250	Vol to Seat (bbbl) 154.29	Actual Vol (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (ΔP) 0.00	100 mesh sand 31,284	2,755
Mechanical Packer 12	6,438	6,445	OH Anchor/Packer: Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							30/50 mesh sand 21,198		
OH Anchor/Packer	5,451	5,456	Rockseal II Packer: Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,048psi)								Total Fluid 34,456	
Rockseal II Packer	5,372	5,377	Rockseal II Packer: Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,048psi)								(bbbl)	
Lat Length		3,804								Sand Total	100 mesh sand 335,921	
Total Stim. Lateral		3,804								580,309	30/50 mesh sand 244,388	
Avg. Stage Length		317	*between packers							# sand per foot of lateral	153	

6.17x4.5X XO 5,993



MD TD 10,250
TVD 6,011

Monument Federal 31-21-9-16Y

Put on Production: 3-1-97

GL 5943'

Injection Wellbore Diagram

SURFACE CASING

Surface Casing 0' 260' 8 5/8" 24 J55 Casing Shoe @ 260'

150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele.
(Cement will be circulated to surface.)

PRODUCTION CASING

Production Casing 0' 5650' 5 1/2" 15.50 J55

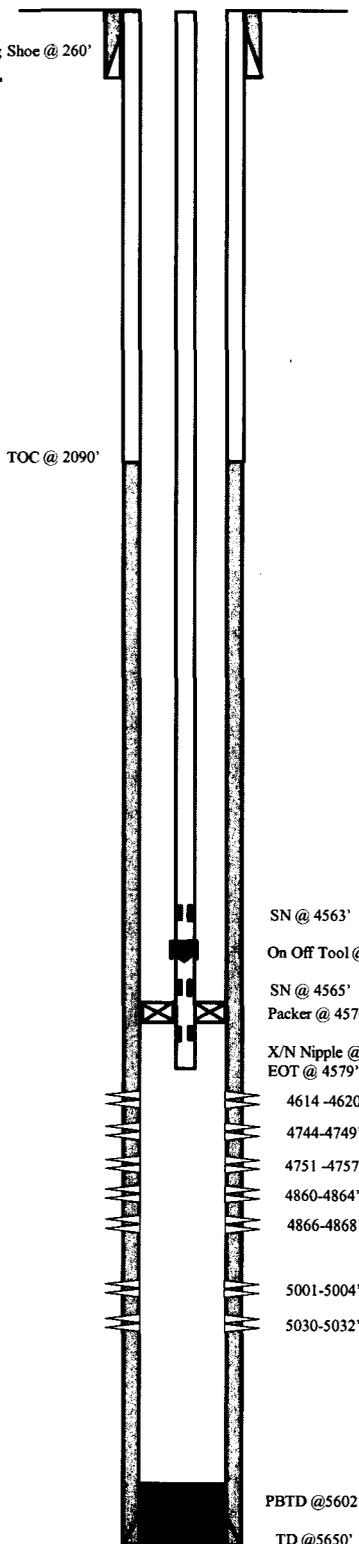
205 sacks 28:72 Poz. (28% POZ: 72% Class "C") with 10% Gel, 6.0 lbs/sk KOL SEAL & 4 pps Cello Flake. (Wt.=11.09 ppg, Yd =3.30 Cu.Ft./Sk Comp. Stght @ 72 Hrs=575) Tailed with 400 sacks 50:50 POZ (50% POZ: 50% Class "G") with 2% Gel, 0.3% FL-52, 4 pps Cello Flakes & 2.0 pps KOL SEAL. (Wt.=14.30 ppg, Yd=1.25 Ft.Cu./Sk, Comp Strght @ 75 Hrs=2700)
(Actual cement volumes to be calculated from caliper log with cement top at 2000')

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 147 jts (4552.8')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4562.8' KB
ON/OFF TOOL AT: 4563.9'
SEAL NIPPLE LANDED AT: 4565.4' KB
ARROW #1 PACKER CE AT: 4569.8'
XO 2-3/8 x 2-7/8 J-55 AT: 4572.8'
TBG PUP 2-3/8 J-55 AT: 4573.2'
X/N NIPPLE AT: 4577.3'
TOTAL STRING LENGTH: EOT @ 4579'

FRAC JOB

Depth Interval	Amount and Kind of Material Used
5001' - 5032'	Break down with 2,436 gallons 2% KCL water.
4860' - 4868'	Break down with 2,772 gallons 2% KCL water.
4860' - 5032'	Fracture with 17,440# 20/40 mesh sand and 39,550# 16/30 mesh sand with 18,186 gallons 2% KCL gelled water.
4744' - 4757'	Break down with 2,436 gallons 2% KCL water.
4614' - 4620'	Break down with 1,948 gallons 2% KCL water.
4614' - 4757'	Fracture with 30,400# 16/30 mesh sand with 11,130 gallons 2% KCL gelled water.
11/28/12	Convert to Injection Well
11/29/12	Conversion MIT Finalized - update tbg detail



PERFORATION RECORD

5001-5004'	4 JSPF
5030-5032'	4 JSPF
4866-4868'	4 JSPF
4860-4864'	4 JSPF
4751-4757'	4 JSPF
4744-4749'	4 JSPF
4614-4620'	4 JSPF

NEWFIELD

Monument Federal 31-21Y-9-16
537' FNL and 2146' FEL
NW/NE Sec. 21, T9S, 16E
Duchesne Co, Utah
API #43-013-31726 # UTU-64379

Well Name: GMBU J-20-9-16

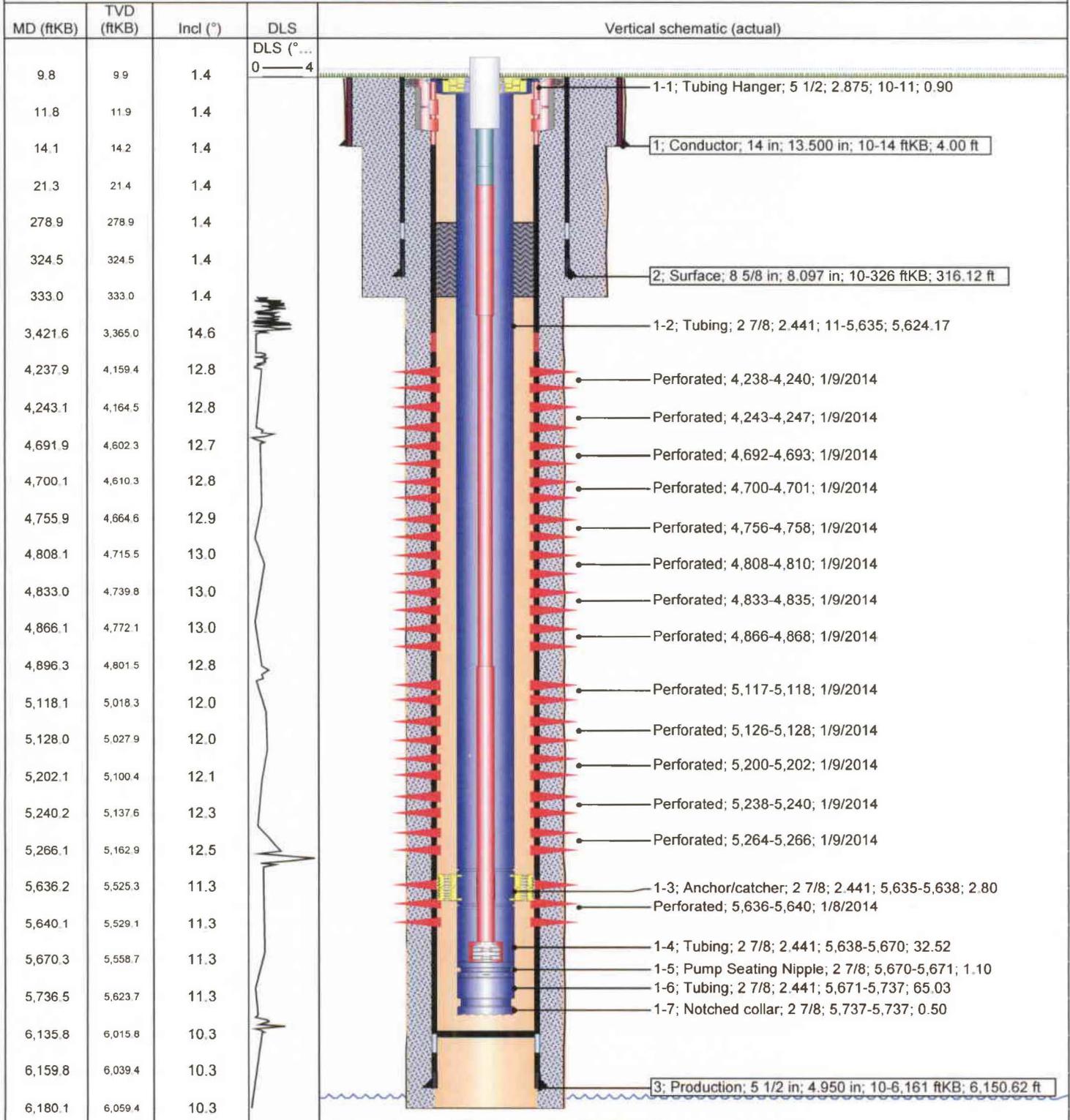
Surface Legal Location SWNW 2041 FNL 553 FWL Sec 21 T9S R16E Ser SLB		API/UWI 43013515680000	Well RC 500335147	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/3/2013	Rig Release Date 12/18/2013	On Production Date	Original KB Elevation (ft) 6,050	Ground Elevation (ft) 6,040	Total Depth All (TVD) (ftKB) Original Hole - 6,059.3	PBTD (All) (ftKB) Original Hole - 6,135.8	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/8/2014	Job End Date 1/16/2014
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TD: 6,180.0

Slant - Original Hole, 3/3/2014 6:55:06 AM





Well Name: GMBU G-21-9-16

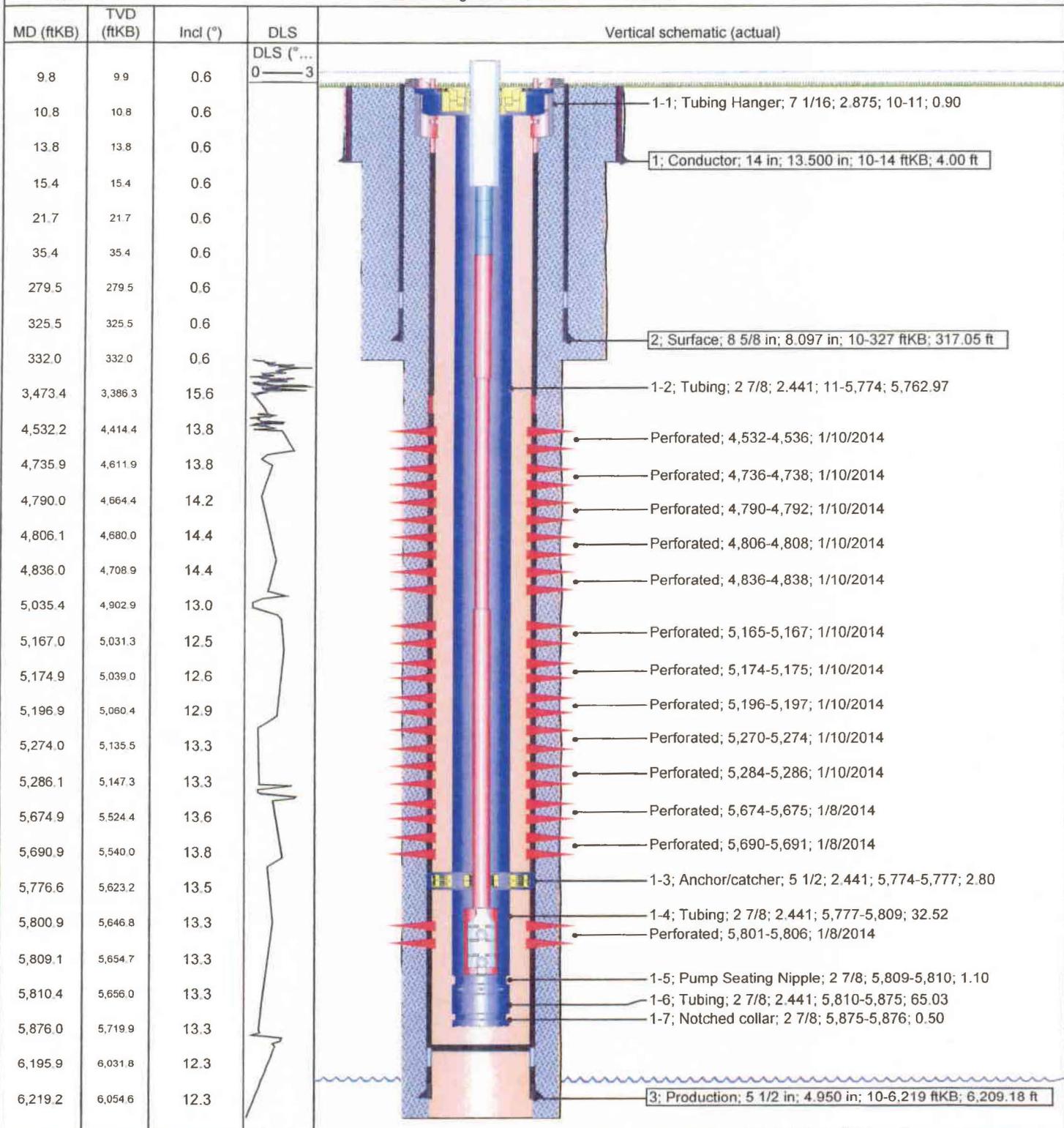
Surface Legal Location SWNW 2062 FNL 557 FWL Sec 21 T9S R16E Mer SLB		API/UWI 43013515690000	Well RC 500335136	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/3/2013	Rig Release Date 12/22/2013	On Production Date	Original KB Elevation (ft) 6,050	Ground Elevation (ft) 6,040	Total Depth All (TVD) (ftKB) Original Hole - 6,059.3	PBTD (All) (ftKB) Original Hole - 6,194.2	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/8/2014	Job End Date 1/17/2014
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TD: 6,224.0

Slant - Original Hole, 2/28/2014 6:28:57 AM



Well Name: **GMBU W-16-9-16**

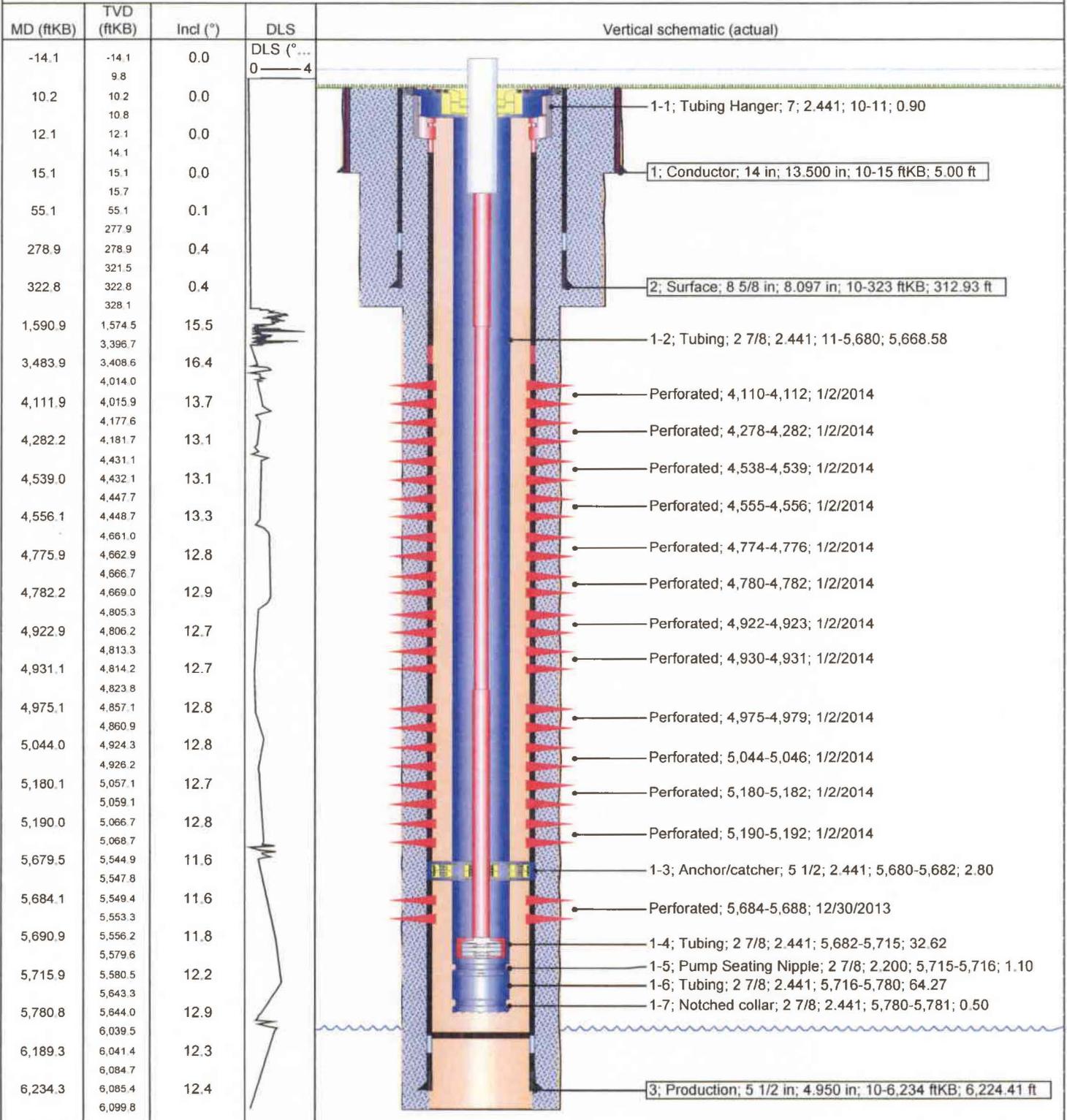
Surface Legal Location NENW 726 FNL 1924 FWL Sec 21 R16E Mer SLB			API/UWI 43013515790000	Well RC 500353413	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 11/26/2013	Rig Release Date 12/10/2013	On Production Date	Original KB Elevation (ft) 5,990	Ground Elevation (ft) 5,980	Total Depth All (TVD) (ftKB) Original Hole - 6,099.8	PBTB (All) (ftKB) Original Hole - 6,187.5		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/30/2013	Job End Date 1/10/2014
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TD: **6,249.0**

Slant - Original Hole, 2/28/2014 6:30:05 AM



Well Name: GMBU H-21-9-16

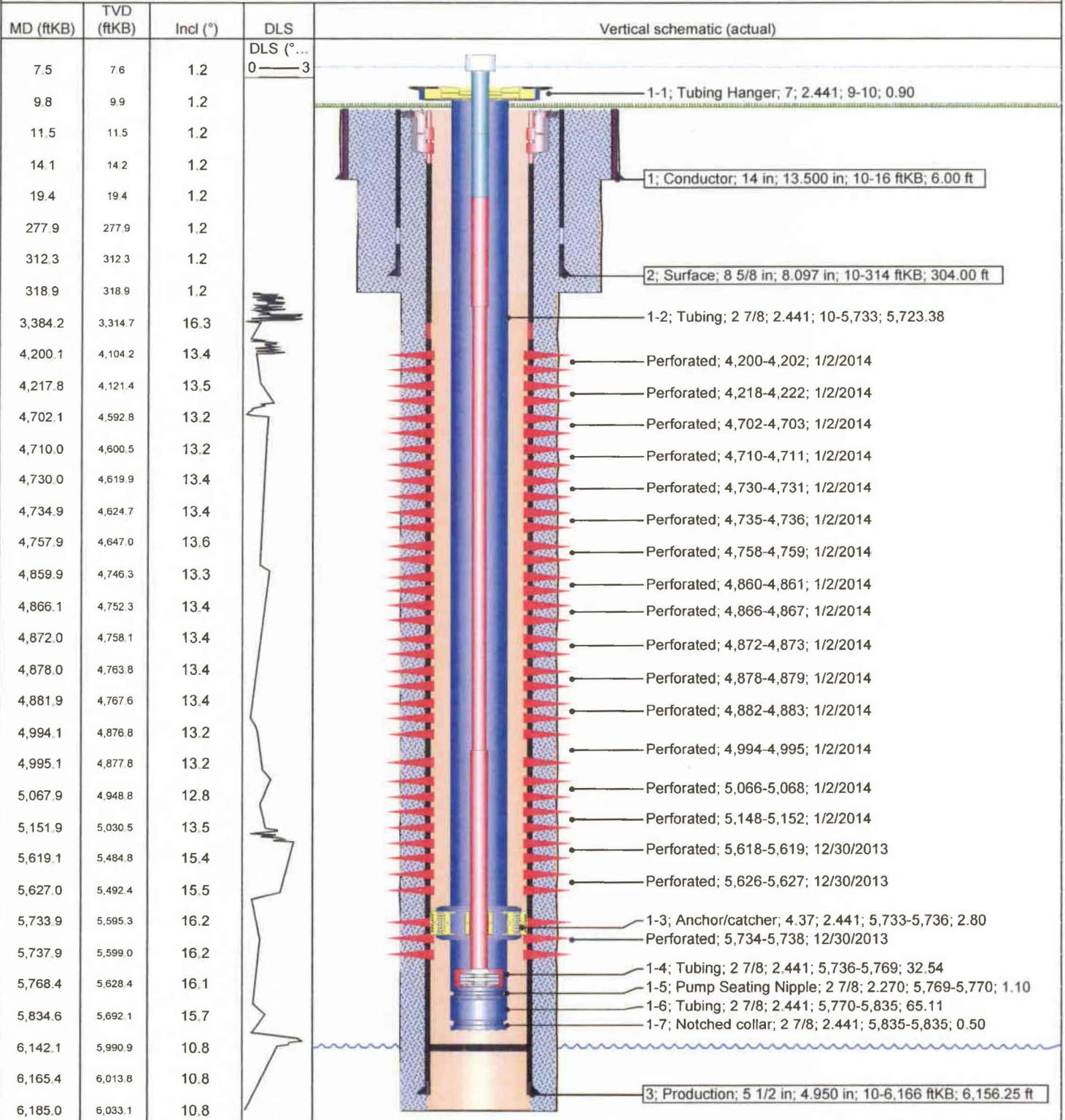
Surface Legal Location NENW 726 FNL 1945 FWL Sec 21 T9S R16E Mer SLB		API/UWI 43013515820000	Well RC 500343077	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 11/27/2013	Rig Release Date 12/14/2013	On Production Date	Original KB Elevation (ft) 5,990	Ground Elevation (ft) 5,980	Total Depth All (TVD) (ftKB) Original Hole - 6,033.1	PBTD (All) (ftKB) Original Hole - 6,142.1	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/30/2013	Job End Date 1/15/2014
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TD: 6,185.0

Slant - Original Hole, 2/28/2014 6:30:44 AM

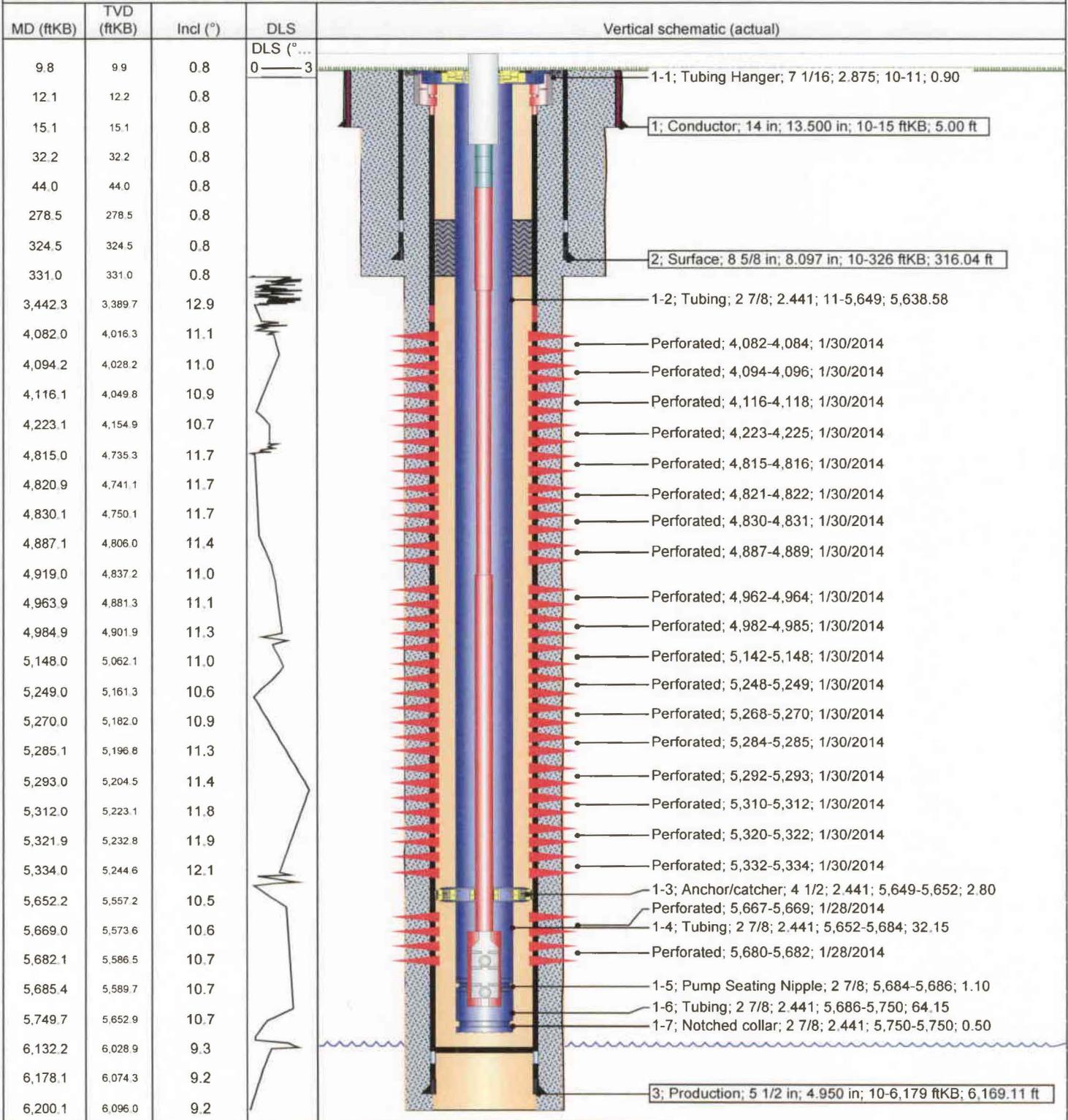


Well Name: GMBU N-16-9-16

Surface Legal Location NESW 2111 FSL 1881 FWL Sec 16 R9S R16E		API/UWI 43013514470000	Well RC 500343051	Lease ML-16532	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/19/2013	Rig Release Date 1/12/2014	On Production Date	Original KB Elevation (ft) 5,912	Ground Elevation (ft) 5,902	Total Depth All (TVD) (ftKB) Original Hole - 6,095.8	PBD (All) (ftKB) Original Hole - 6,132.3	

Most Recent Job				
Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/28/2014	Job End Date

TD: 6,200.0 Slant - Original Hole, 3/19/2014 12:03:31 PM



Well Name: GMBU Q-16-9-16

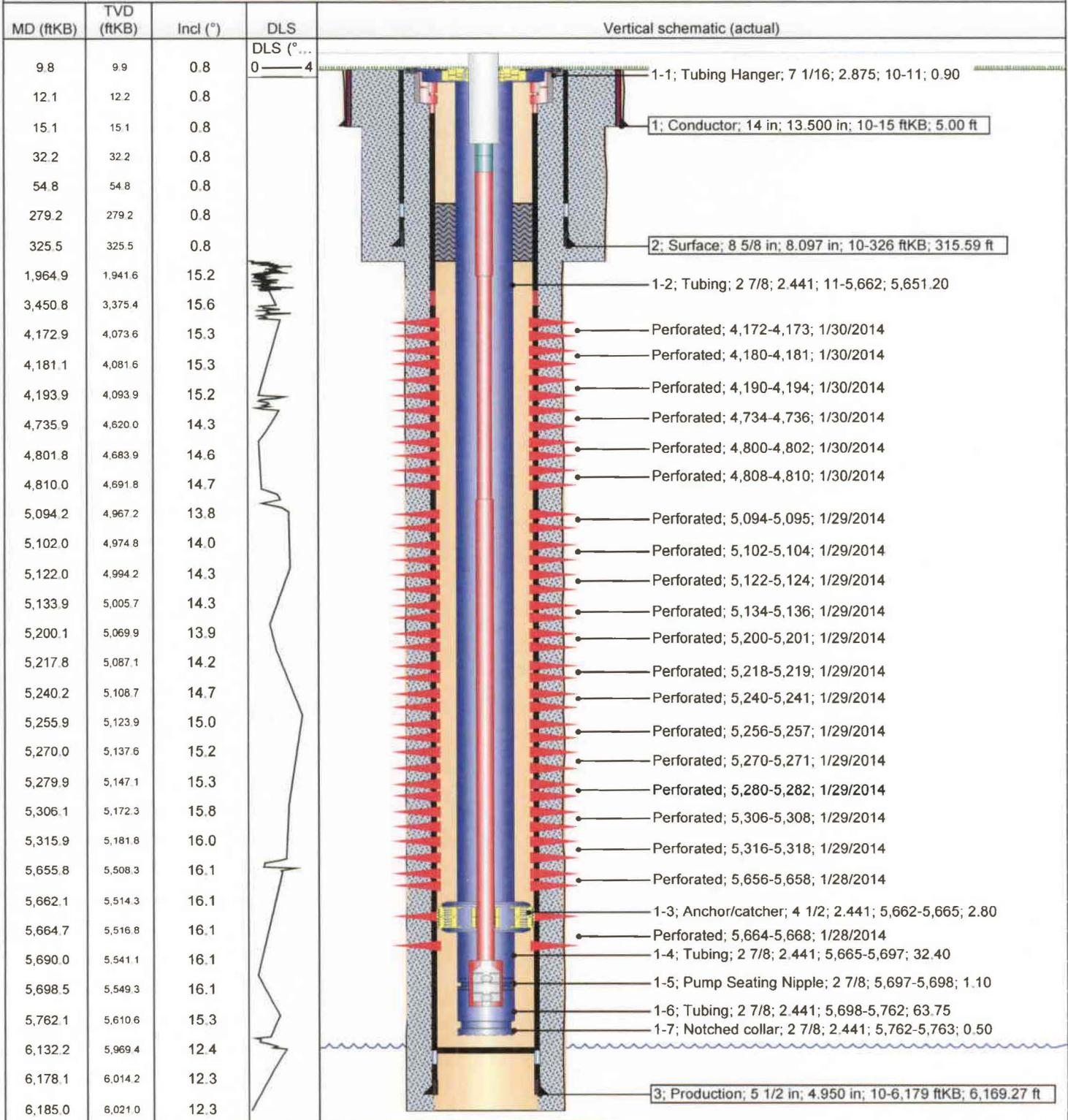
Surface Legal Location NESW 2096 FSL 1866 FWL Sec 16 T9S R16E		API/UWI 43013514490000	Well RC 500343119	Lease ML-16532	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/20/2013	Rig Release Date 1/15/2014	On Production Date	Original KB Elevation (ft) 5,912	Ground Elevation (ft) 5,902	Total Depth All (TVD) (ftKB) Original Hole - 6,020.9	FBTD (All) (ftKB) Original Hole - 6,132.3	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/28/2014	Job End Date 2/6/2014
------------------------------------	----------------------------------------	---------------------------	-----------------------------	--------------------------

TD: 6,185.0

Slant - Original Hole, 3/19/2014 12:02:22 PM



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

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **FEDERAL 4-21-9-16**
Sample Point: **Treater**
Sample Date: **7/17/2013**
Sample ID: **WA-248309**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Winegar**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations	mg/L	Anions	mg/L
Test Date:	7/24/2013	Sodium (Na):	6465.66	Chloride (Cl):	7000.00
System Temperature 1 (°F):	120	Potassium (K):	10.00	Sulfate (SO4):	16.00
System Pressure 1 (psig):	60	Magnesium (Mg):	1.50	Bicarbonate (HCO3):	5124.00
System Temperature 2 (°F):	210	Calcium (Ca):	1.30	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	0.80	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.010	Barium (Ba):	0.19	Propionic Acid (C2H5COO)	
pH:	8.70	Iron (Fe):	1.30	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	18637.99	Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.07	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.02	Silica (SiO2):	17.12
H2S in Water (mg/L):	5.00				

Notes:
B=7

(PTB = Pounds per Thousand Barrels)

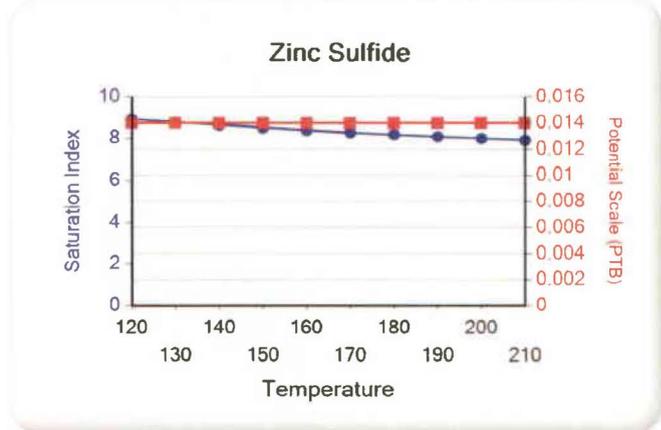
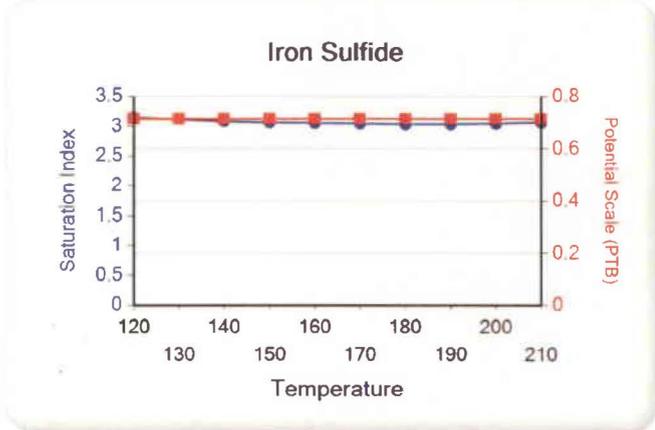
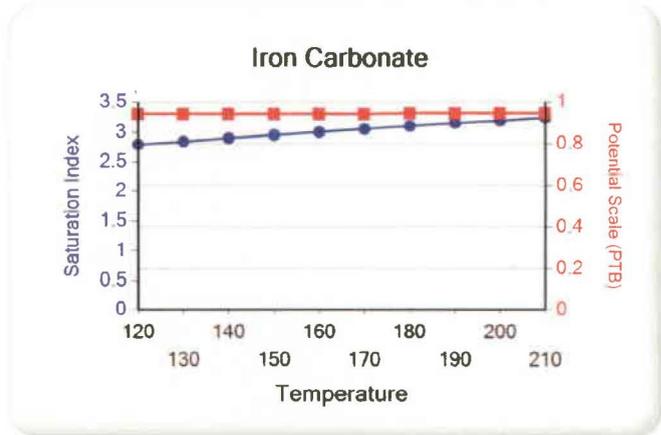
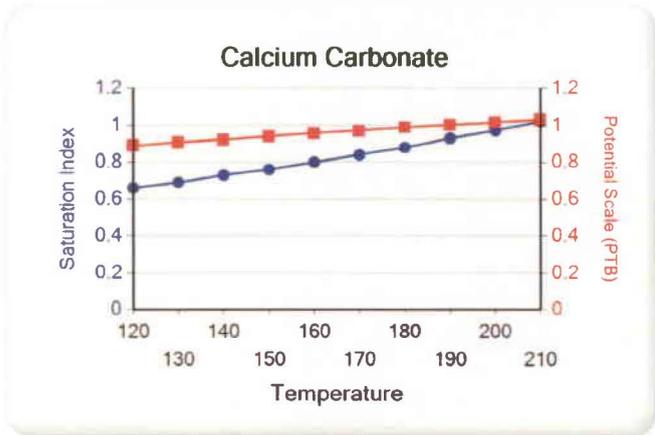
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.02	1.03	0.00	0.00	3.06	0.72	3.24	0.95	0.00	0.00	0.00	0.00	0.00	0.00	7.91	0.01
200.00	60.00	0.97	1.02	0.00	0.00	3.04	0.72	3.19	0.95	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.01
190.00	60.00	0.93	1.00	0.00	0.00	3.03	0.72	3.15	0.95	0.00	0.00	0.00	0.00	0.00	0.00	8.09	0.01
180.00	60.00	0.88	0.99	0.00	0.00	3.03	0.72	3.10	0.95	0.00	0.00	0.00	0.00	0.00	0.00	8.19	0.01
170.00	60.00	0.84	0.97	0.00	0.00	3.04	0.72	3.05	0.94	0.00	0.00	0.00	0.00	0.00	0.00	8.29	0.01
160.00	60.00	0.80	0.96	0.00	0.00	3.05	0.72	3.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	8.40	0.01
150.00	60.00	0.76	0.94	0.00	0.00	3.06	0.72	2.95	0.94	0.00	0.00	0.00	0.00	0.00	0.00	8.53	0.01
140.00	60.00	0.73	0.92	0.00	0.00	3.08	0.72	2.90	0.94	0.00	0.00	0.00	0.00	0.00	0.00	8.65	0.01
130.00	60.00	0.69	0.91	0.00	0.00	3.12	0.72	2.84	0.94	0.00	0.00	0.00	0.00	0.00	0.00	8.79	0.01
120.00	60.00	0.66	0.89	0.00	0.00	3.15	0.72	2.79	0.94	0.00	0.00	0.00	0.00	0.00	0.00	8.94	0.01

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.02	9.35	0.03	4.42	2.91	1.45	2.31	11.51	1.01
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.02	9.50	0.03	4.03	2.87	1.22	2.22	11.24	1.01
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.02	9.66	0.03	3.64	2.83	1.00	2.07	10.97	1.01
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.02	9.83	0.03	3.24	2.76	0.77	1.86	10.69	1.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03	0.02	10.02	0.03	2.83	2.67	0.54	1.57	10.42	1.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.02	10.21	0.03	2.42	2.56	0.31	1.19	10.15	1.01
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.02	10.42	0.03	2.01	2.39	0.08	0.71	9.88	1.01
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.02	10.64	0.03	1.59	2.16	0.00	0.00	9.62	1.01
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.01	10.87	0.03	1.18	1.84	0.00	0.00	9.36	1.01
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.01	11.12	0.03	0.76	1.43	0.00	0.00	9.11	1.01

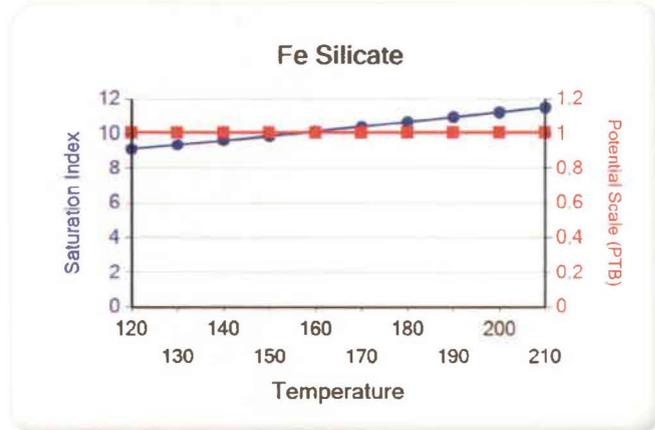
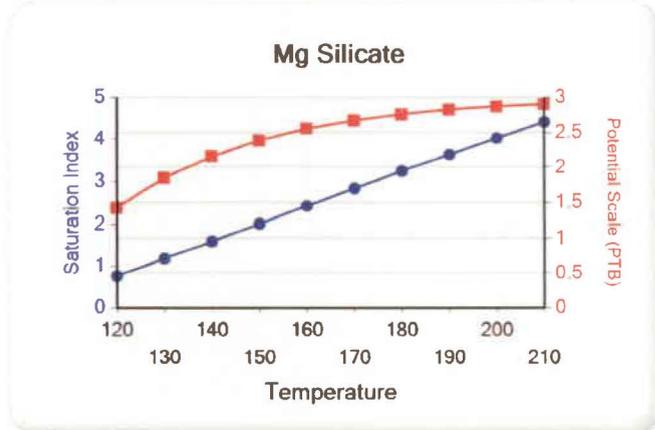
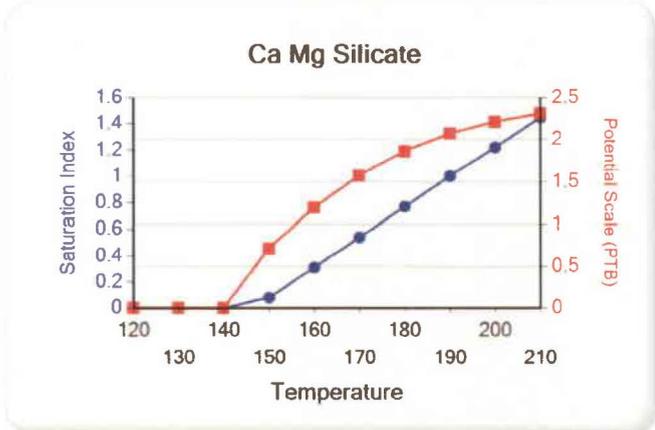
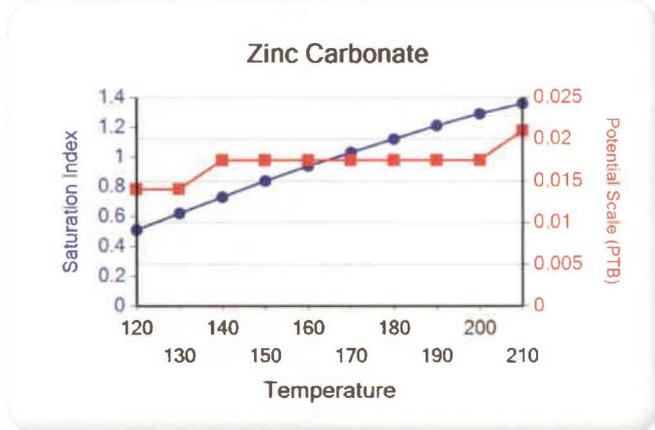
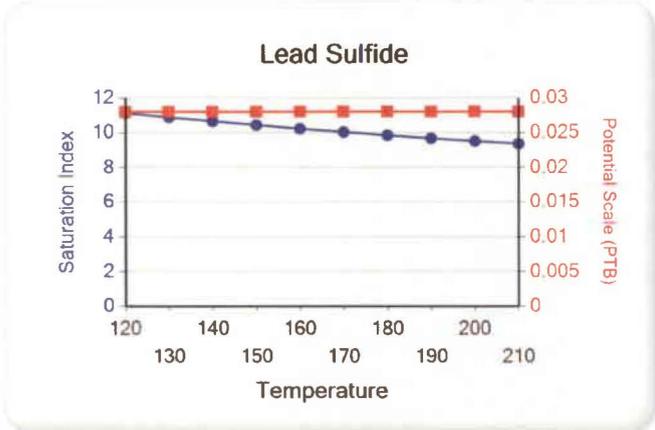
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

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



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

Water Analysis Report



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

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **SWDIF**
 Sample Point: **After Filter**
 Sample Date: **12/4/2012**
 Sample ID: **WA-229142**

Sales Rep: **Michael McBride**
 Lab Tech: **Gary Peterson**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/5/2012	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120.00	Potassium (K):	11.00	Sulfate (SO ₄):	120.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	26.00	Bicarbonate (HCO ₃):	366.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	46.20	Carbonate (CO ₃):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.17	Propionic Acid (C ₂ H ₅ COO)	
pH:	6.80	Iron (Fe):	0.13	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	2304.49	Zinc (Zn):	0.02	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO ₂ (mg/L):	15.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.04	Silica (SiO ₂):	
H ₂ S in Water (mg/L):	2.50				

Notes:
9:30

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

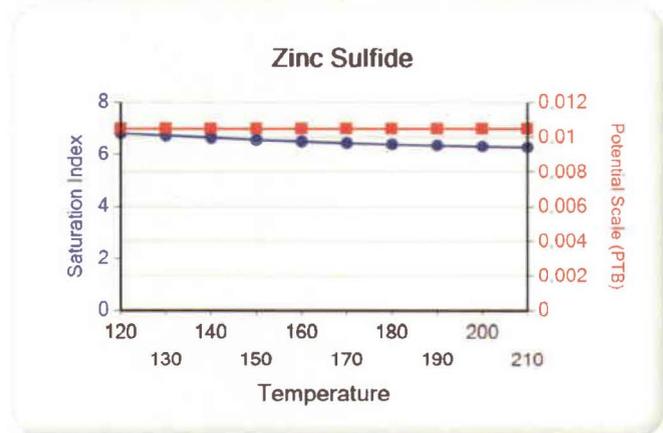
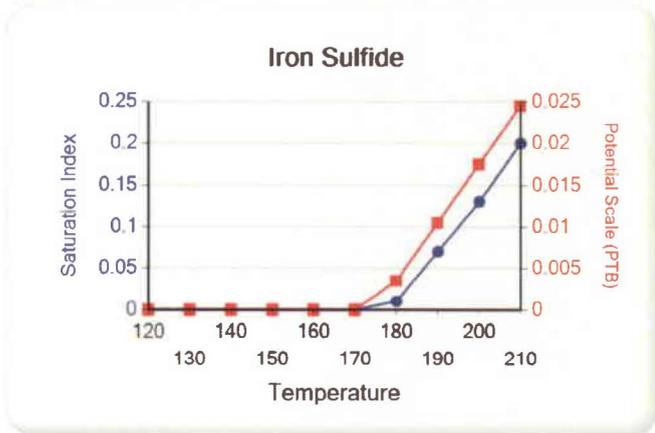
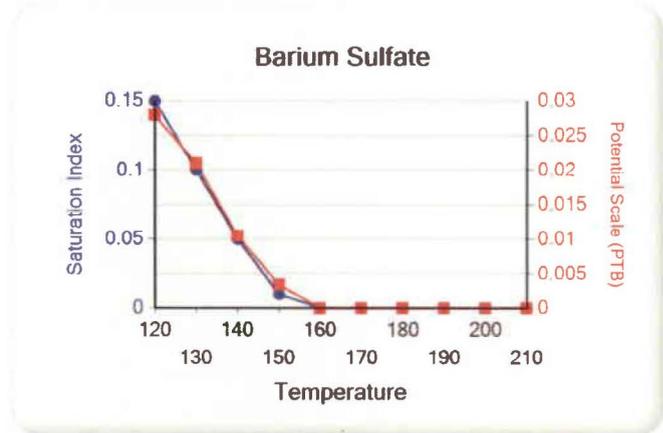
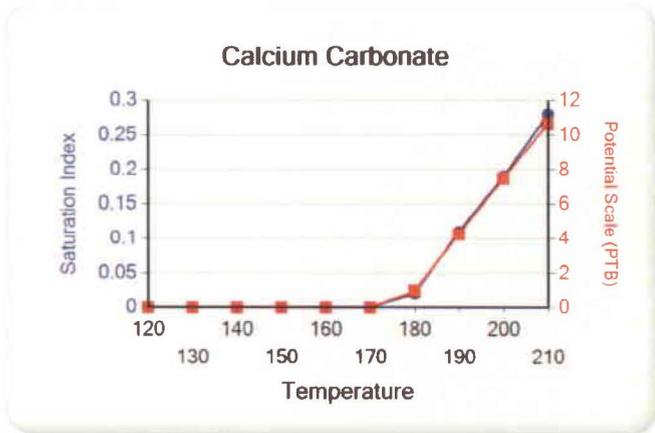
Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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



Attachment "G"

**Federal #4-21-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5494	5512	5503	2550	0.90	2514
5204	5222	5213	2850	0.98	2816
4993	5072	5033	2850	1.00	2818
4636	4654	4645	2000	0.86	1970
4400	4406	4403	1720	0.82	1691 ←
				Minimum	<u><u>1691</u></u>

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

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

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



DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 Report Date: 11-30-06 Day: 01
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8" @ 322' Prod Csg: 5-1/2" @ 5937' Csg PBDT: 5869'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone CP1 sds, Perfs 5494-5512', SPF/#shots 4/72

CHRONOLOGICAL OPERATIONS

Date Work Performed: 29-Nov-06 SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg 8 casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5869' & cement top @ 110'. Perforate stage #1, CP1 sds @ 5494-5512' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 72 shots. 140 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 140 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 140 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
NPC NU crew
NDSI trucking
Perforators LLC
Drilling cost
D&M Hot Oil
Location preparation
NPC wellhead
Benco - anchors
Admin. Overhead
NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min: FG:
Completion Supervisor: Ron Shuck

DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 **Report Date:** 12-5-06 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 322' **Prod Csg:** 5-1/2" @ 5937' **Csg PBTD:** 5869'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u> <u>CP1 sds</u>	<u>Perfs</u> <u>5494-5512'</u>	<u>SPF/#shots</u> <u>4/72</u>

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Dec-06 **SITP:** _____ **SICP:** 1700

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac CP sds, stage #1 down casing w/ 5213's of 20/40 sand in 385 bbls of Lightning 17 frac fluid. Perfs broke down @ 2424 psi. Treated @ ave pressure on 2157 @ ave rate of 25 bppr w/ 3 ppg of sand. ISIP was 2367. BJ had viscosity go to 70 so cut sand w/ 3 ppg on perfs @ 3990 psi. BJ was broke down. Decision made to re-frac stage #1. Open well w/ 1700 psi on casing. Frac stage #1 w/ 59,960#'s of 20/40 sanc in 533 bbls of Lightning 17 frac fluid. Perfs took fluid @ 1960 psi. Treated @ ave pressure of 2157 @ ave rate of 25 bpm w/ 8 ppg of sand. ISIP was 2550. 918 bbls EWTR. See day2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 140 **Starting oil rec to date:** _____
Fluid lost/recovered today: 918 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1058 **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 sds down casing

COSTS

Weatherford Services
C-D trkg frac wtr
NPC fuel gas
BJ Services CP1 sds
NPC Supervisor

- 13,188 gals of pad
- 5671 gals w/ 1-5 ppg of 20/40 sand
- 6622 gals w/ 5-8 ppg of 20/40 sand
- 2113 gals w/ 8 ppg of sand
- Flush w/ 10,458 gals of slick water
- All totals are combined

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

Max TP: 3895 **Max Rate:** 25 **Total fluid pmpd:** 918 bbls
Avg TP: 2157 **Avg Rate:** 25 **Total Prop pmpd:** 59,960#'s
ISIP: 2550 **5 min:** _____ **10 min:** _____ **FG:** .90

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 Report Date: 12-5-06 Day: 2b
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 322' Prod Csg: 5-1/2" @ 5937' Csg PBDT: 5869'WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT: 5145'
Plug 5320'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone CP1 sds, Perfs, SPF/#shots. Rows include A1 sds, A3 sds, and LODC sds with their respective perforation details.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 04-Dec-06 SITP: SICIP: 1700

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8', 6' per guns. Perforate LODC sds @ 5214-22', 5204-10' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 spf for total of 56 shots. RU BJ & frac stage #2 w/ 23,667#'s of 20/40 sand in 320 bbls of Lightning 17 frac fluid. Open well w/ 1780 ps on casing. Treated @ ave pressure of 2620 @ ave rate of 25 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2850. 1378 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 10' 10' perf guns. Set plug @ 5145'. Perforate A3 sds @ 5062-72', A1 sds @ 4993-5003' w/ 4 spf for total of 80 shots SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1058 Starting oil rec to date:
Fluid lost/recovered today: 320 Oil lost/recovered today:
Ending fluid to be recovered: 1378 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac Weatherford Services
Company: BJ Services C-D trkg frac wtr
Procedure or Equipment detail: LODC sds down casing NPC fuel gas
462 gals to cross link BJ Services LODCsds
2058 gals of pad NPC Supervisor
1915 gals w/ 1-4 ppg of 20/40 sand Lone Wolf LODC sds
3797 gals w/ 4-6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4704 gals of slick water

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

Max TP: 3184 Max Rate: 25 Total fluid pmpd: 320 bbls
Avg TP: 2620 Avg Rate: 25 Total Prop pmpd: 23,667#'s
ISIP: 2850 5 min: 10 min: FG: .98
Completion Supervisor: Ron Shuck DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 **Report Date:** 12-6-06 **Day:** 3a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 322' **Prod Csg:** 5-1/2" @ 5937' **Csg PBTD:** 5869'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5145'
Plug 5320'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP1 sds</u>	<u>5494-5512'</u>	<u>4/72</u>
<u>A1 sds</u>	<u>4993-5003'</u>	<u>4/40</u>			
<u>A3 sds</u>	<u>5062-5072'</u>	<u>4/40</u>			
<u>LODC sds</u>	<u>5204-5210'</u>	<u>4/24</u>			
<u>LODC sds</u>	<u>5214-5222'</u>	<u>4/32</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 05-Dec-06 **SITP:** _____ **SICP:** 1700

Day3a.

BJ had froze air lines. RU BJ & frac stage #3 w/ 117,759#'s of 20/40 sand in 829 bbls of Lightning 17 frac fluid. Oper well w/ 1938 psi on casing. Perfs broke down @ 3704 psi. Treated @ ave pressure of 2350 @ ave rate of 25 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2200. 2207 bbls EWTR. Leave pressure on well. See day3b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1378 **Starting oil rec to date:** _____
Fluid lost/recovered today: 829 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2207 **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: A3 & A1 sds down casing

- 462 gals to cross link
- 8988 gals of pad
- 6000 gals w/ 1-5 ppg of 20/40 sand
- 12000 gals w/ 5-8 ppg of 20/40 sand
- 2412 gals w/ 8 ppg of 20/40 sand
- 504 gals of 15% HCL acid
- Flush w/ 4704 gals of slick water

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

Max TP: 3713 **Max Rate:** 25 **Total fluid pmpd:** 829 bbls
Avg TP: 2350 **Avg Rate:** 25 **Total Prop pmpd:** 117,759#'s
ISIP: 2200 **5 min:** _____ **10 min:** _____ **FG:** .87

Completion Supervisor: Ron Shuck

COSTS

- Weatherford Services
- C-D trkg frac wtr
- NPC fuel gas
- BJ Services A sds
- NPC Supervisor
- Lone Wolf A sds
- Zubiate Hot Oil (thaw)

DAILY COST: _____ **\$0**

TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 **Report Date:** 12-6-06 **Day:** 3b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 322' **Prod Csg:** 5-1/2" @ 5937' **Csg PBTD:** 5869'WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4760'
Plug 5320' 5145'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP1 sds</u>	<u>5494-5512'</u>	<u>4/72</u>
<u>D2 sds</u>	<u>4636-4654'</u>	<u>4/72</u>	_____	_____	_____
<u>A1 sds</u>	<u>4993-5003'</u>	<u>4/40</u>	_____	_____	_____
<u>A3 sds</u>	<u>5062-5072'</u>	<u>4/40</u>	_____	_____	_____
<u>LODC sds</u>	<u>5204-5210'</u>	<u>4/24</u>	_____	_____	_____
<u>LODC sds</u>	<u>5214-5222'</u>	<u>4/32</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 05-Dec-06 **SITP:** _____ **SICP:** 1530

Day3b.

RU WLT. RIH w/ frac plug & 18' perf guns. Perforate D2 sds @ 4636-54' w/ 4 spf for total of 72 shots. RU BJ & frac stage #4 w/ 80,794#'s of 20/40 sand in 588 bbbls of Lightning 17 frac fluid. Open well w/ 1530 psi on casing. Perfs broke down @ 4200 psi. Treated @ ave pressure of 1519 @ ave rate of 25 bpm w/ 8 ppg of sand. Spot 12 bbbls of 15% HCL acid in flush for next stage. ISIP was 2000. 2795 bbbls EWTR. Leave pressure on well. **See day3c.**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2207 **Starting oil rec to date:** _____
Fluid lost/recovered today: 588 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2795 **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: D2 sds down casing
462 gals to cross link
5544 gals of pad
4000 gals w/ 1-5 ppg of 20/40 sand
8000 gals w/ 5-8 ppg of 20/40 sand
2024 gal w/ 8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4158 gals of slick water
****Flush called @ blender to include 2 bbbls pump/line volume****
Max TP: 4200 **Max Rate:** 25 **Total fluid pmpd:** 588 bbbls
Avg TP: 1519 **Avg Rate:** 25 **Total Prop pmpd:** 80,794#'s
ISIP: 2000 **5 min:** _____ **10 min:** _____ **FG:** .86
Completion Supervisor: Ron Shuck

COSTS

Weatherford Services _____
C-D trkg frac wtr _____
NPC fuel gas _____
BJ Services D2 sds _____
NPC Supervisor _____
Lone Wolf D2 sds _____
DAILY COST: _____ **\$0**
TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 Report Date: 12/8/2006 Day: 4
Operation: Completion Rig: Western #2

WELL STATUS

Surf Csg: 8-5/8" @ 322' Prod Csg: 5-1/2" @ 5937' Csg PBTD: 5869'WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 1858' BP/Sand PBTD: 4510'
Plug 5320' 5145' 4760'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include PB11 sds, D2 sds, A1 sds, A3 sds, LODC sds, LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/7/2006 SITP: SICP: 125

MIRU Western #2. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIF w/ 4 3/4" chomp bit, bit sub & 59 jts 2 7/8" tbg. Circulate well clean. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 3060 Starting oil rec to date:
Fluid lost/recovered today: 140 Oil lost/recovered today:
Ending fluid to be recovered: 2920 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

COSTS

Table listing various cost items such as Western #2, Weatherford BOP, B&L new 2 7/8" tbg., NDSI Trucking, NPC Trucking, CDI TAC, CDI PSN, CDI rod pump, NDSI Water & trucks, NPC surface equip., Mtn. West Sanitation, UniChem Chemicals, NPC Supervision, and DAILY COST: \$0.

Completion Supervisor: Don Dulen

TOTAL WELL COST:



9 & 10

DAILY COMPLETION REPORT

WELL NAME: Federal 4-21-9-16 Report Date: 12/12/2006 Day: 6
Operation: Completion Rig: Western #2

WELL STATUS

Surf Csg: 8-5/8' @ 322' Prod Csg: 5-1/2" @ 5937' Csg PBTD: 5916'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 1134' BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include PB11 sds, D2 sds, A1 sds, A3 sds, LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/11/2006 SITP: 0 SICP: 0

RIH w/ tbg. Tag @ 5649'. C/O to PBTD @ 5916'. Circulate well clean. Pull up to 5870'. RIH w/ swab. SFL @ surface. Made 13 runs. Recovered 149 bbls. Trace of oil. No show of sand or gas. EFL @ 1000'. RIH w/ tbg. Tag @ 5912'. C/O to PBTD @ 5916'. Circulate well clean. POOH to 1134'. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2920 Starting oil rec to date:
Fluid lost/recovered today: 90 Oil lost/recovered today:
Ending fluid to be recovered: 2830 Cum oil recovered:
IFL: surface FFL: 1000' FTP: Choke: Final Fluid Rate: Final oil cut: trace

COSTS

Table listing various cost items such as Western #2, Weatherford BOP, Zubiate hot oil, Mecham Const., Monk's pit reclaim, NPC location cleanup, NPC water disposal, NPC trucking, NPC Supervision, and DAILY COST: \$0. TOTAL WELL COST: \$0.

Completion Supervisor: Don Dulen

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4350'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 172' 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 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 372'

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

Federal 4-21-9-16

Spud Date: 10-25-06
 Put on Production: 12-12-06
 GL: 5991' KB: 6003'

Initial Production: BOPD,
 MCFD, BWPD

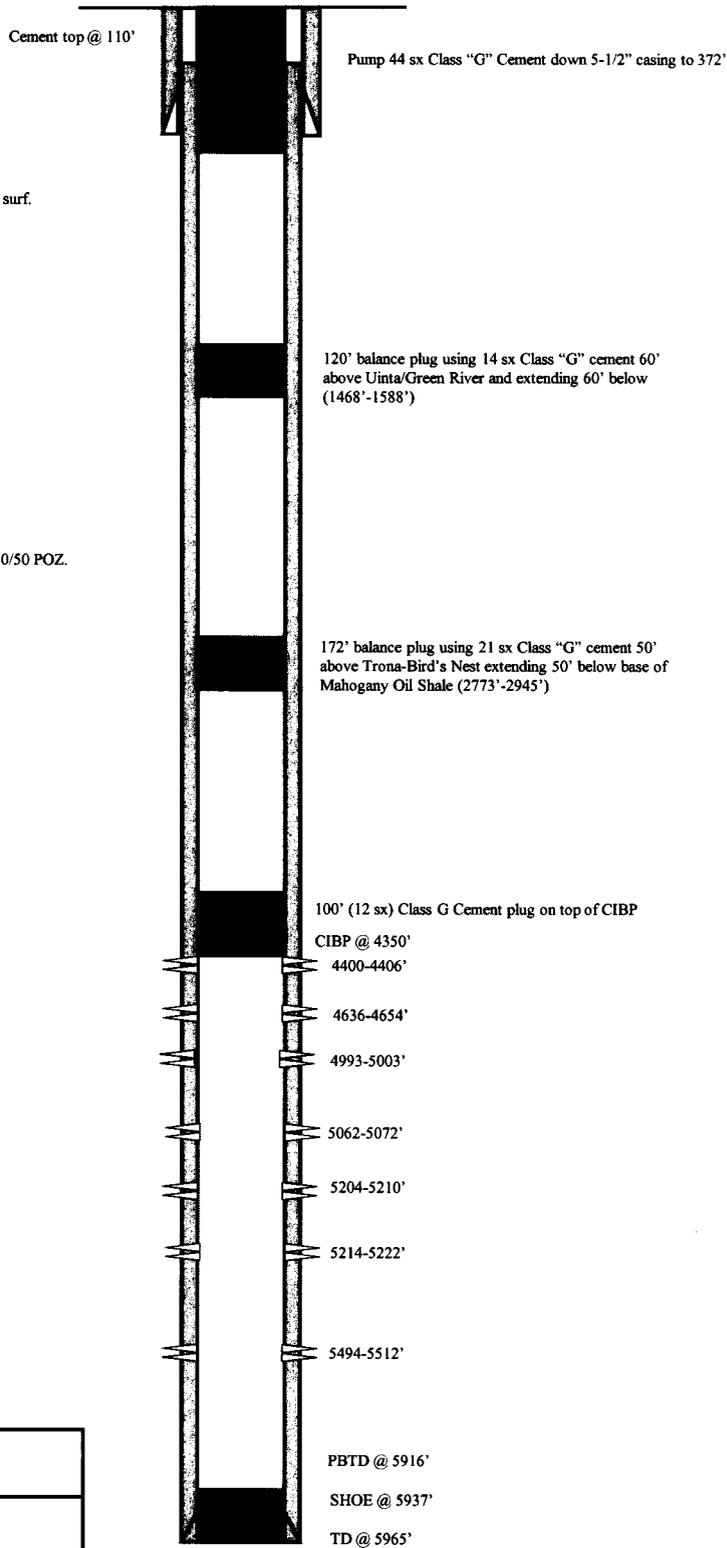
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.54')
 DEPTH LANDED: 322.39' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5924.58')
 DEPTH LANDED: 5937.83' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ.
 CEMENT TOP AT: 110'




<p>Federal 4-21-9-16 851' FNL & 782' FWL NW/NW Section 21-T9S-R16E Duchesne Co, Utah API # 43-013-33069; Lease # UTU-64379</p>