

NEWFIELD



January 12, 2005

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

RE: Applications for Permit to Drill: 3-21-9-16, 5-21-9-16, 6-21-9-16, 7-21-9-16,
8-21-9-16, 3-22-9-16, 5-22-9-16, 6-22-9-16, and 7-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 6-22-9-16 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

JAN 13 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 3-21-9-16

9. API Well No.
43-013-33019

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T, R, M., or Blk. and Survey or Area
NE/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 NE/NW 774' FNL 1909' FWL 574560X 40.021448
At proposed prod. zone 4430293Y -110.126277

14. Distance in miles and direction from nearest town or post office*
Approximatley 21.3 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 774' f/lse, NA' f/unit
Approx. 1282'

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. 1282'

19. Proposed Depth
6000'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5975' GL

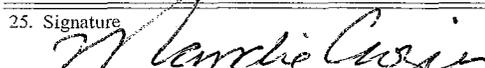
22. Approximate date work will start*
1st Quarter 2006

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

24. Attachments

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

1. Well plat certified by a registered surveyor.
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  Name (Printed/Typed) Mandie Crozier Date 1/11/06

Title Regulatory Specialist

Approved by (Signature)  Name (Printed/Typed) BRADLEY G. HILL Date 01-23-06

Title ENVIRONMENTAL SCIENTIST III

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

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

*(Instructions on reverse)

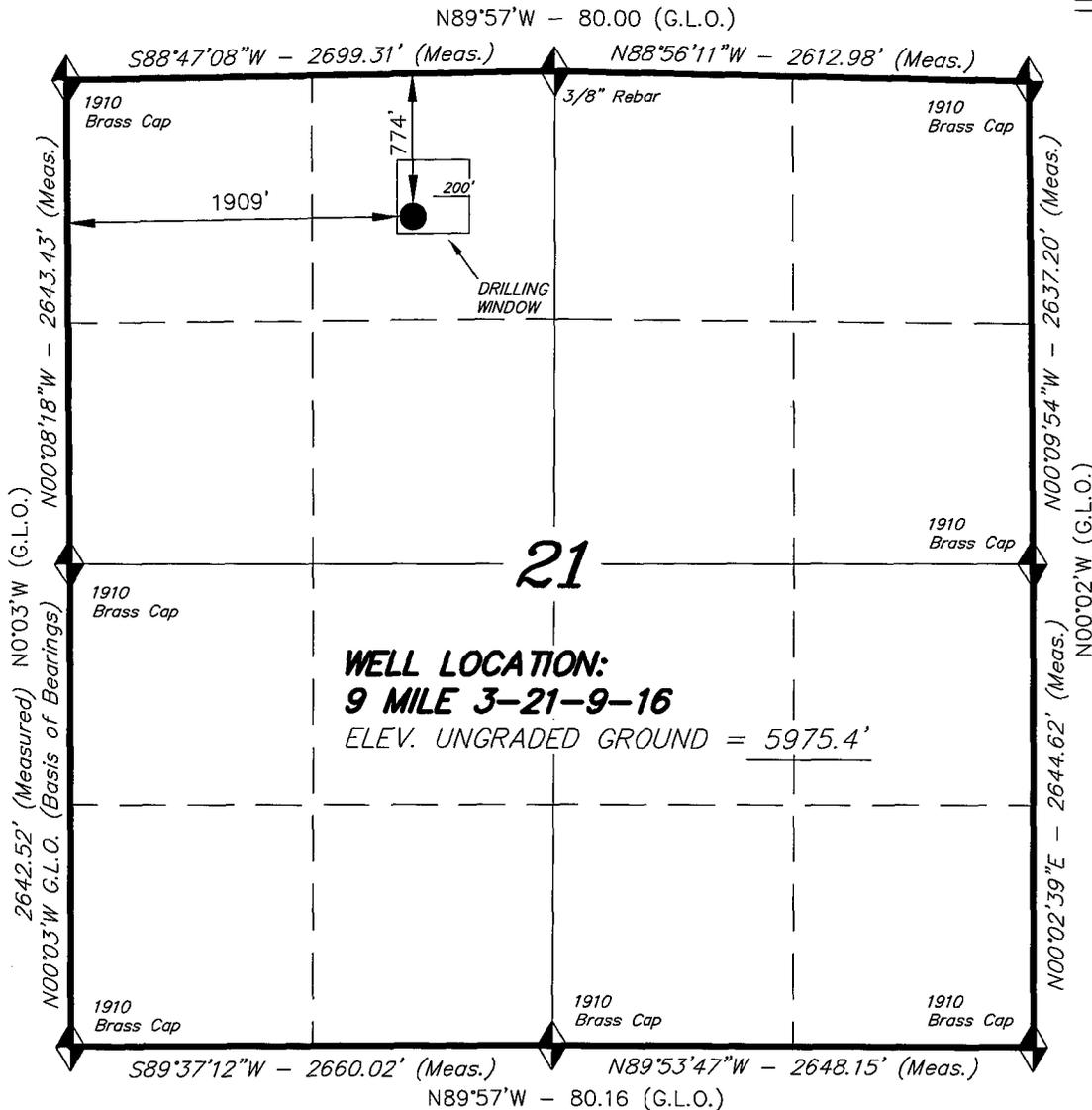
Federal Approval of this
Action Is Necessary

RECEIVED
JAN 13 2006

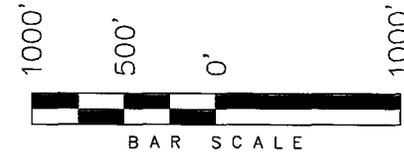
DIV. OF OIL, GAS & MINING

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

NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 MILE 3-21-9-16,
LOCATED AS SHOWN IN THE NE 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

REGISTERED LAND SURVEYOR
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

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

DATE SURVEYED: 12-6-05	SURVEYED BY: K.G.S.
DATE DRAWN: 12-11-05	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED
BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 3-21-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 17.92"
LONGITUDE = 110° 07' 37.16"

NEWFIELD PRODUCTION COMPANY
FEDERAL #3-21-9-16
NE/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' - 2395'
Green River	2395'
Wasatch	6000'

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

Green River Formation 2395' - 6000' - 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 #3-21-9-16
NE/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 #3-21-9-16 located in the NE 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 northeasterly and then southwesterly - 8.8 miles \pm to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 230' \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 #3-21-9-16 Newfield Production Company requests 230' 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 230' 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 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 230' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

None.

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 #3-21-9-16 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

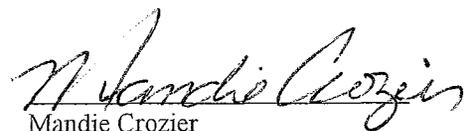
Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #3-21-9-16 NE/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.

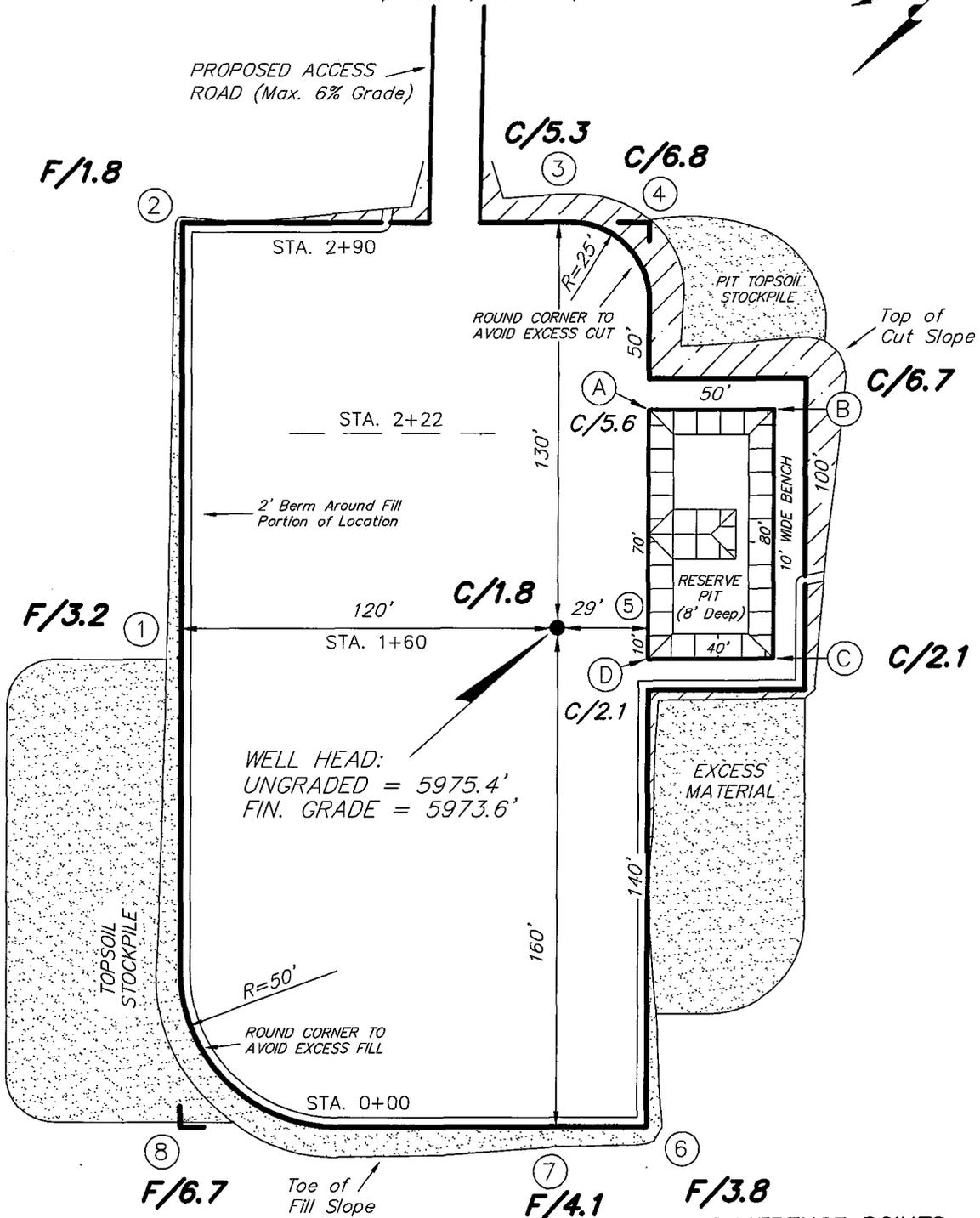
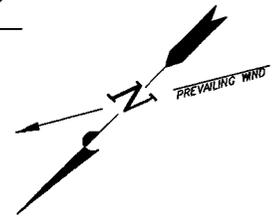
1/11/06
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 3-21-9-16

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



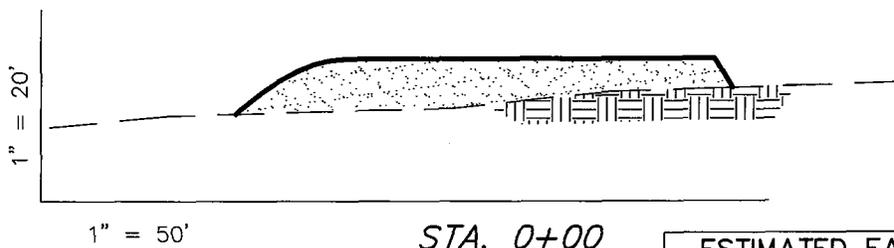
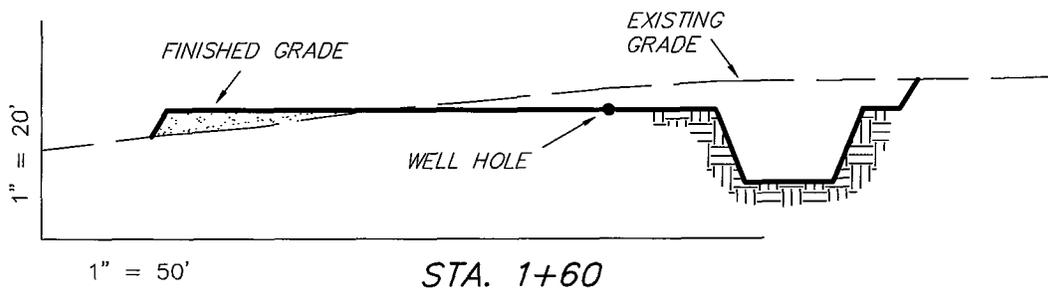
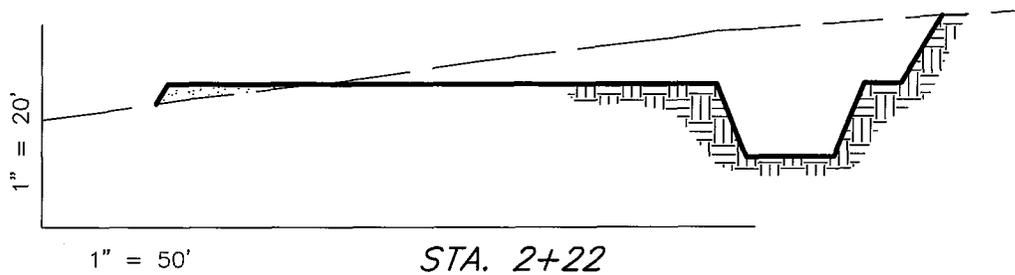
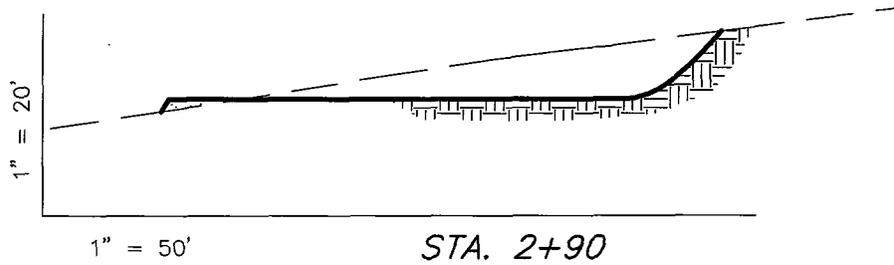
REFERENCE POINTS

170' NORTHEAST	= 5967.9'
220' NORTHEAST	= 5964.8'
210' NORTHWEST	= 5964.1'
260' NORTHWEST	= 5955.9'

SURVEYED BY: K.G.S.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 12-11-05

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

NEWFIELD PRODUCTION COMPANY
CROSS SECTIONS
9 MILE 3-21-9-16



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,440	2,440	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,080	2,440	990	640

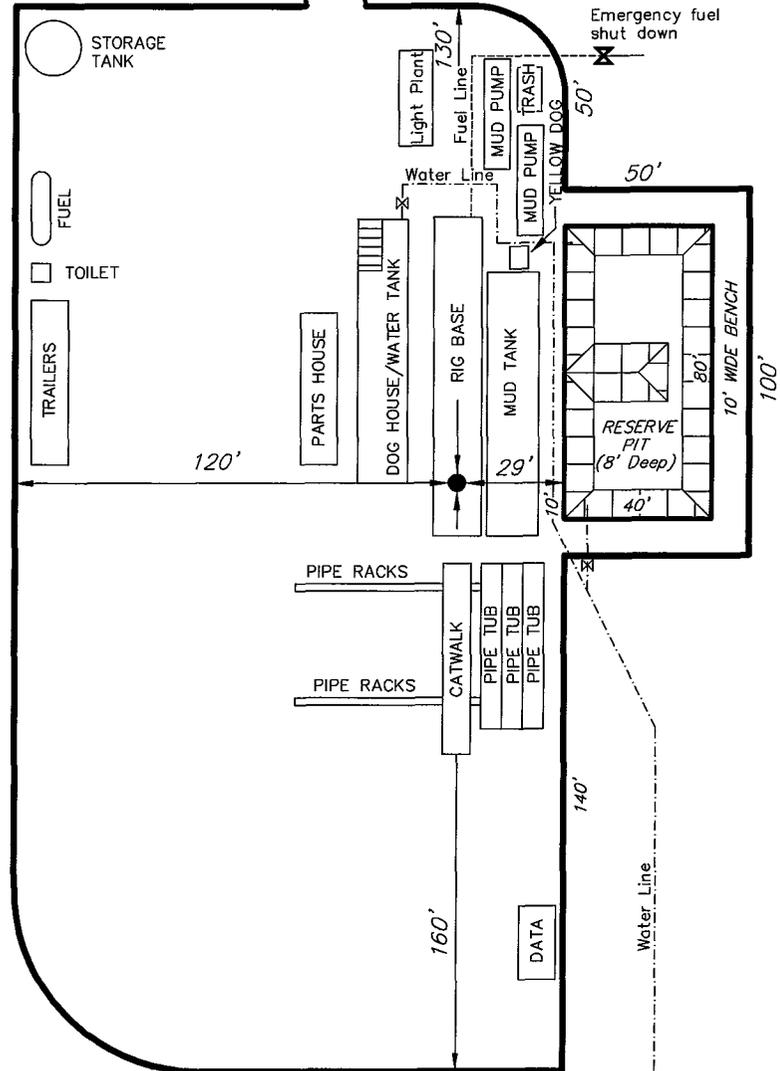
NOTE:
 UNLESS OTHERWISE NOTED
 ALL CUT/FILL SLOPES ARE
 AT 1.5:1

SURVEYED BY: K.G.S.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 12-11-05

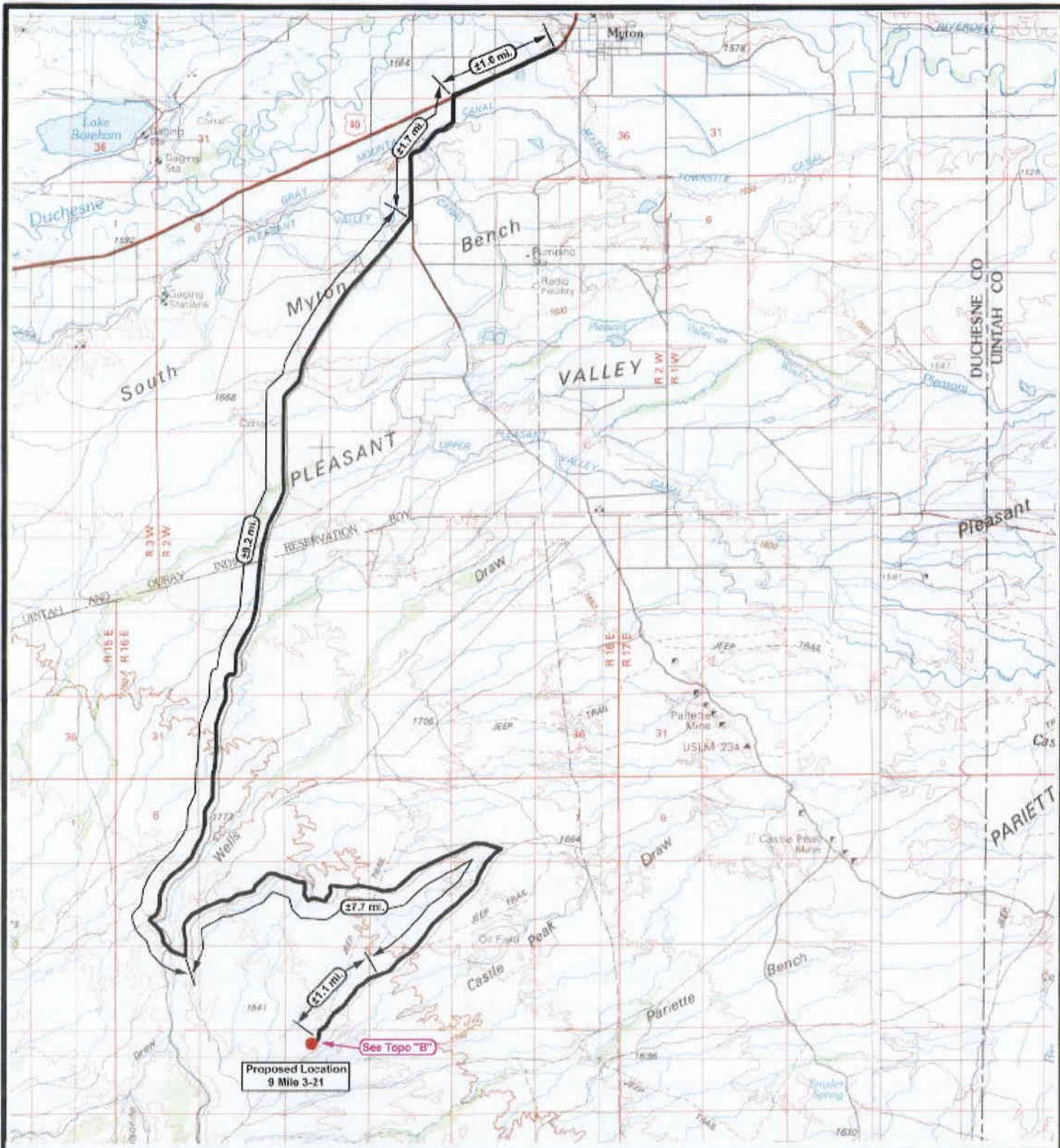
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
9 MILE 3-21-9-16

PROPOSED ACCESS ROAD (Max. 6% Grade)



SURVEYED BY: K.G.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: F.T.M.	DATE: 12-11-05	



NEWFIELD
Exploration Company

9 Mile 3-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.



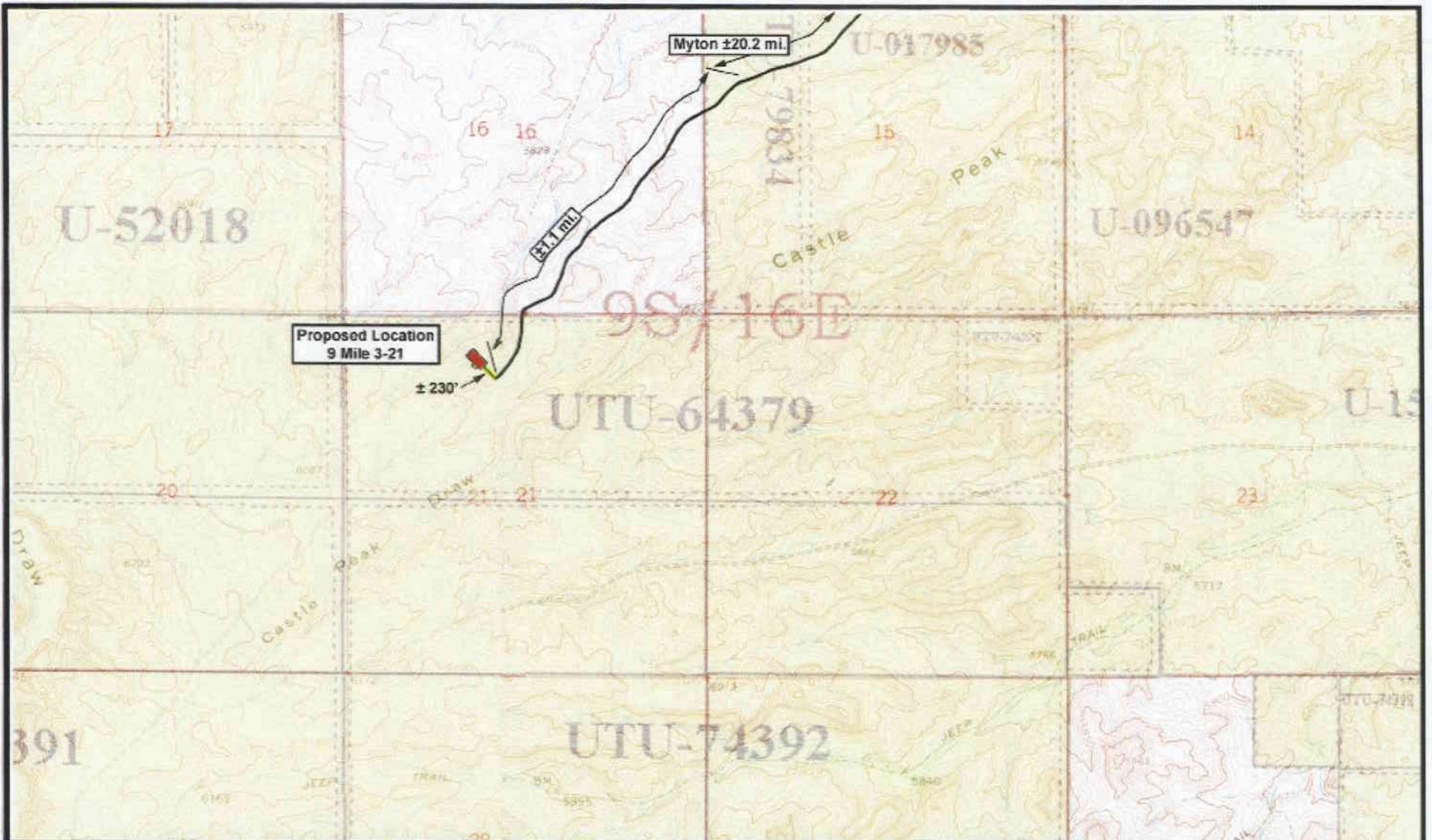
Tri-State
Land Surveying Inc.
(435) 781-2501
165 North Vernal Ave. Vernal, Utah 84079

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 12-12-2005

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



 **NEWFIELD**
Exploration Company

9 Mile 3-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.



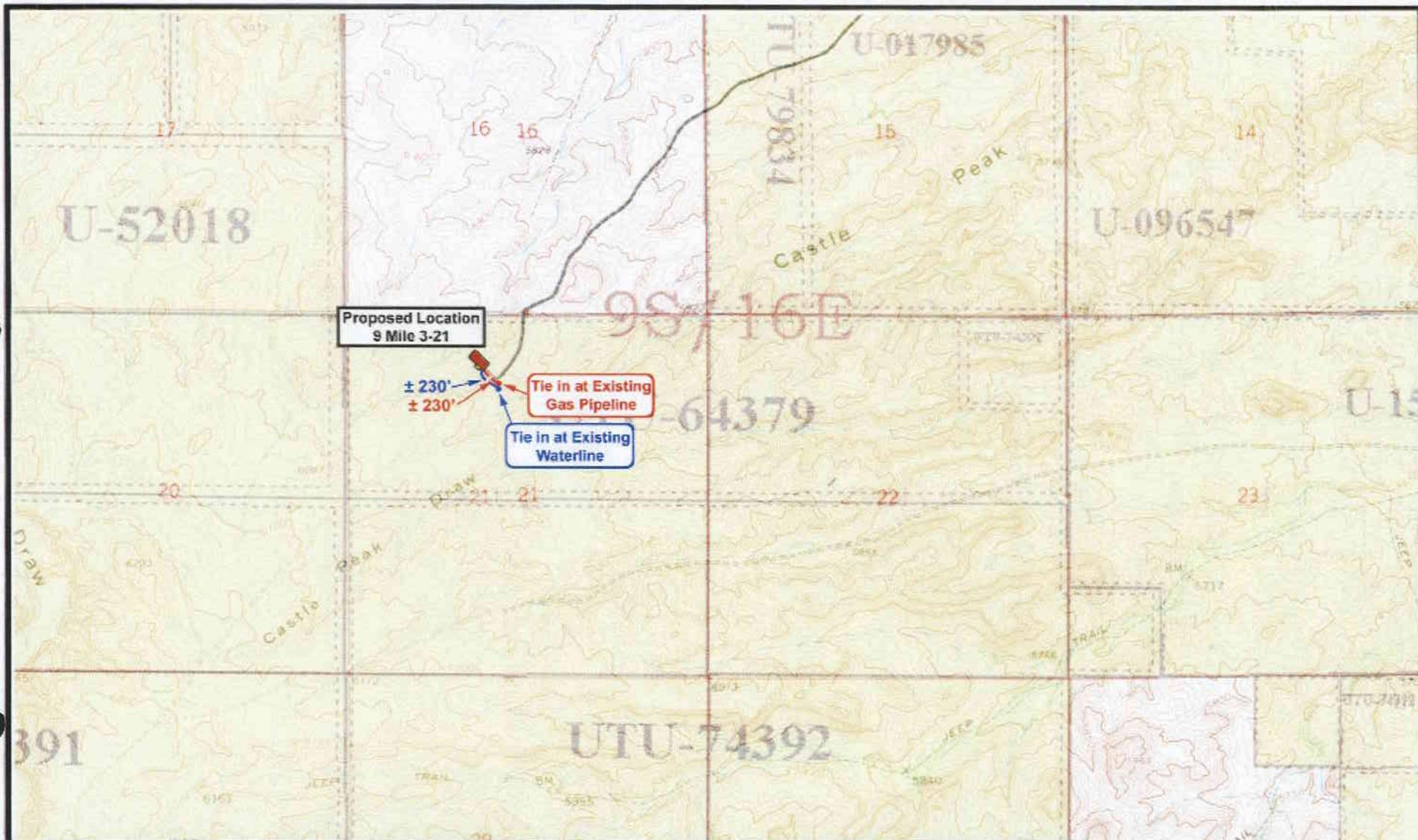
 **Tri-State**
Land Surveying Inc.
(435) 781-2601
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 12-11-2005

Legend

-  Existing Road
-  Proposed Access

"B"



 **NEWFIELD**
Exploration Company

9 Mile 3-21-9-16
SEC. 21, T9S, R16E, S.L.B.&M.



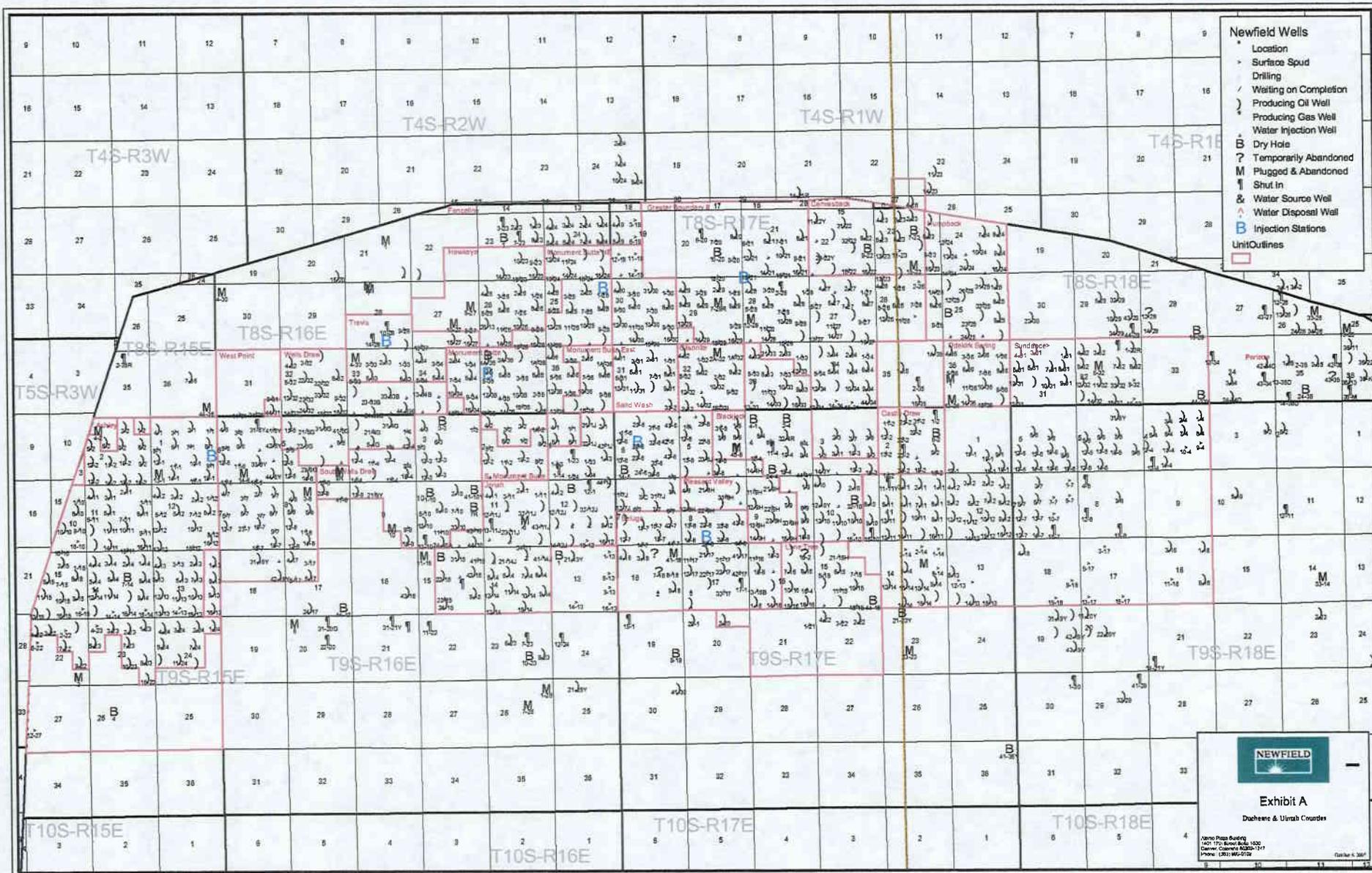

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

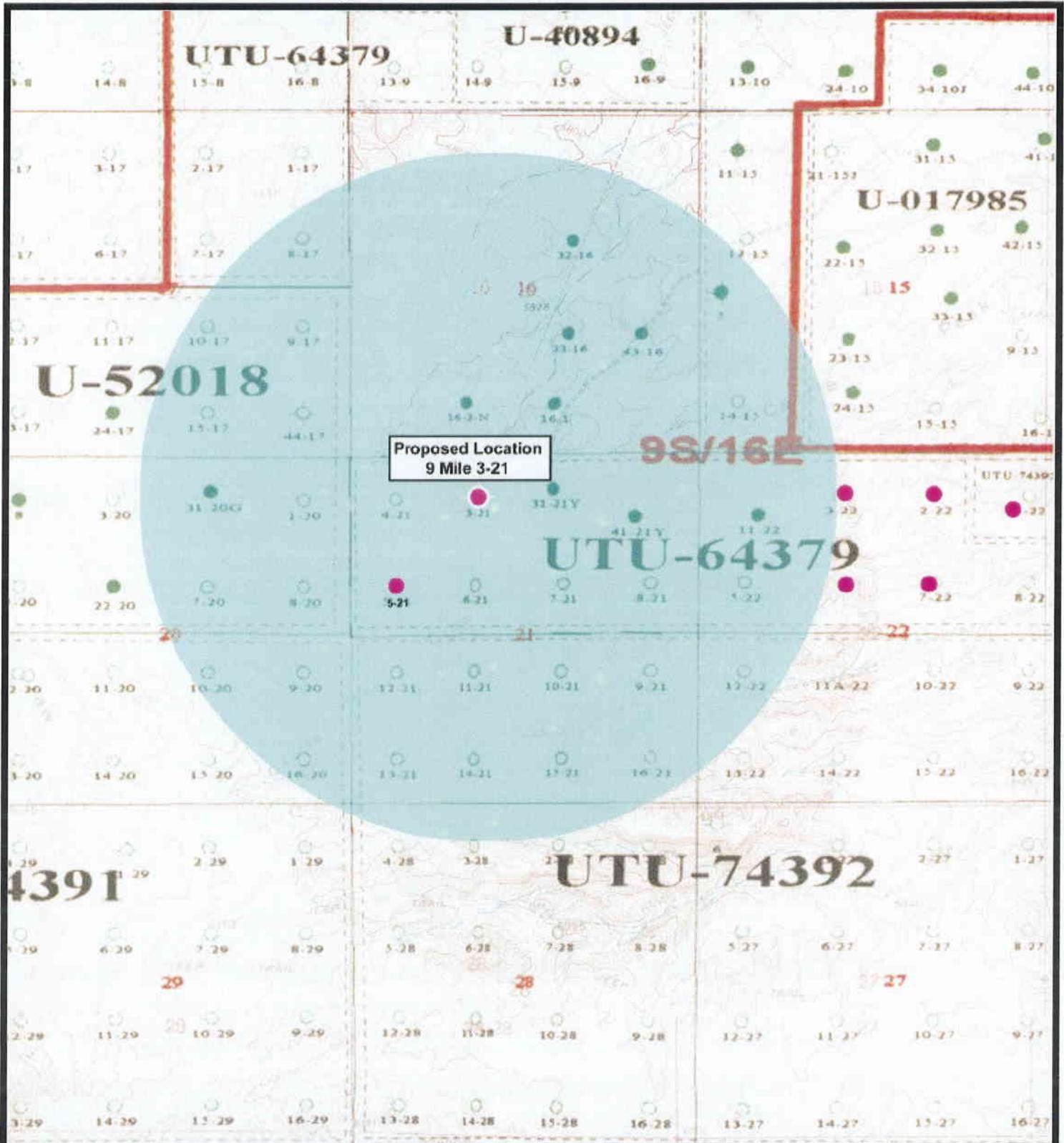
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 12-12-2005

Legend

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

"C"

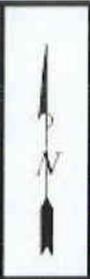




Proposed Location
9 Mile 3-21

NEWFIELD
Exploration Company

9 Mile 3-21-9-16
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: 12-12-2005

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

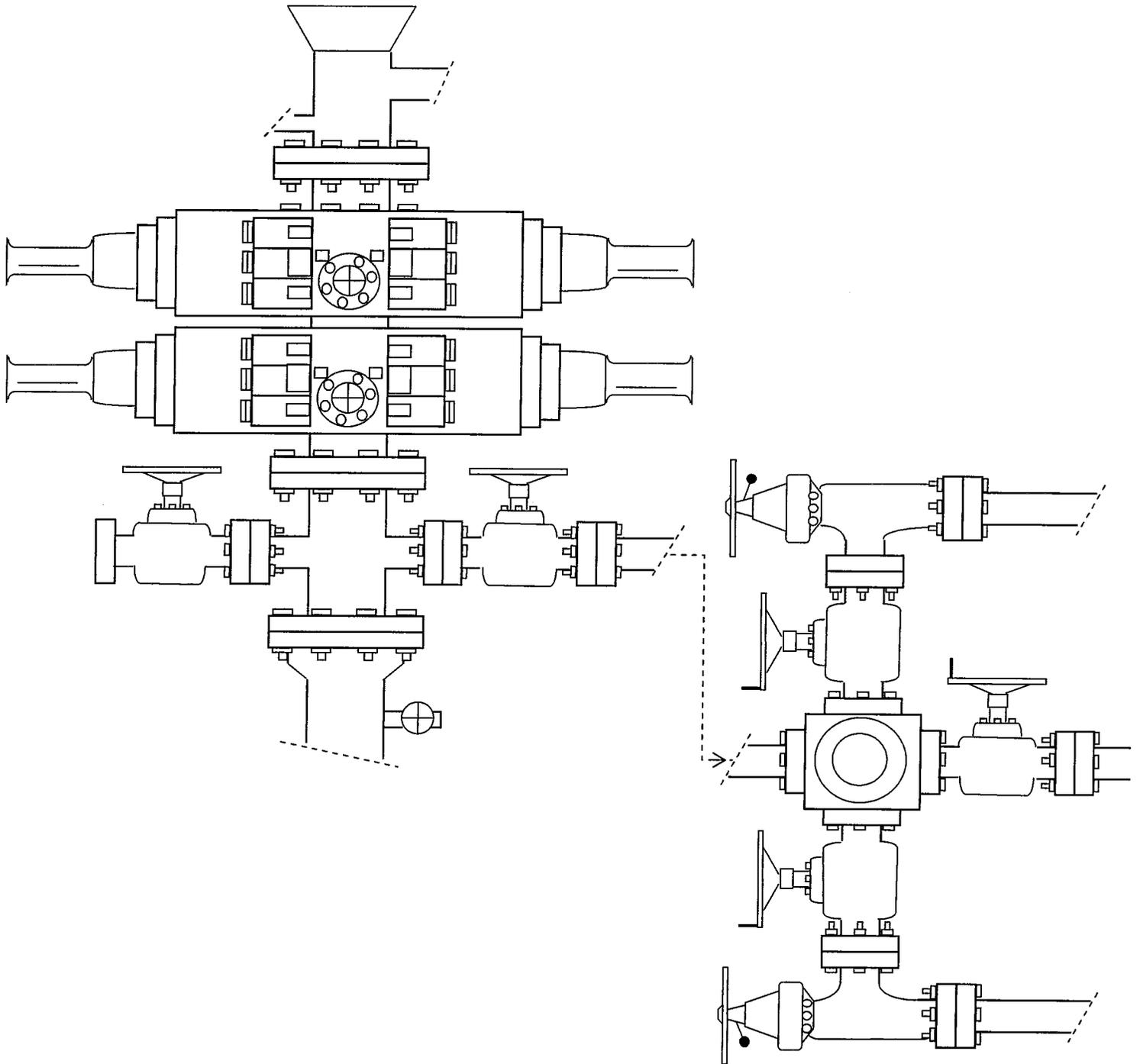


EXHIBIT C

Exhibit "D"
Page 1 of 2

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

By:

Katie Simon

Prepared For:

Bureau of 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: 01/13/2006

API NO. ASSIGNED: 43-013-33019

WELL NAME: FEDERAL 3-21-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENW 21 090S 160E
 SURFACE: 0774 FNL 1909 FWL
 BOTTOM: 0774 FNL 1909 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.02145 LONGITUDE: -110.1263
 UTM SURF EASTINGS: 574560 NORTHINGS: 4430293
 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:

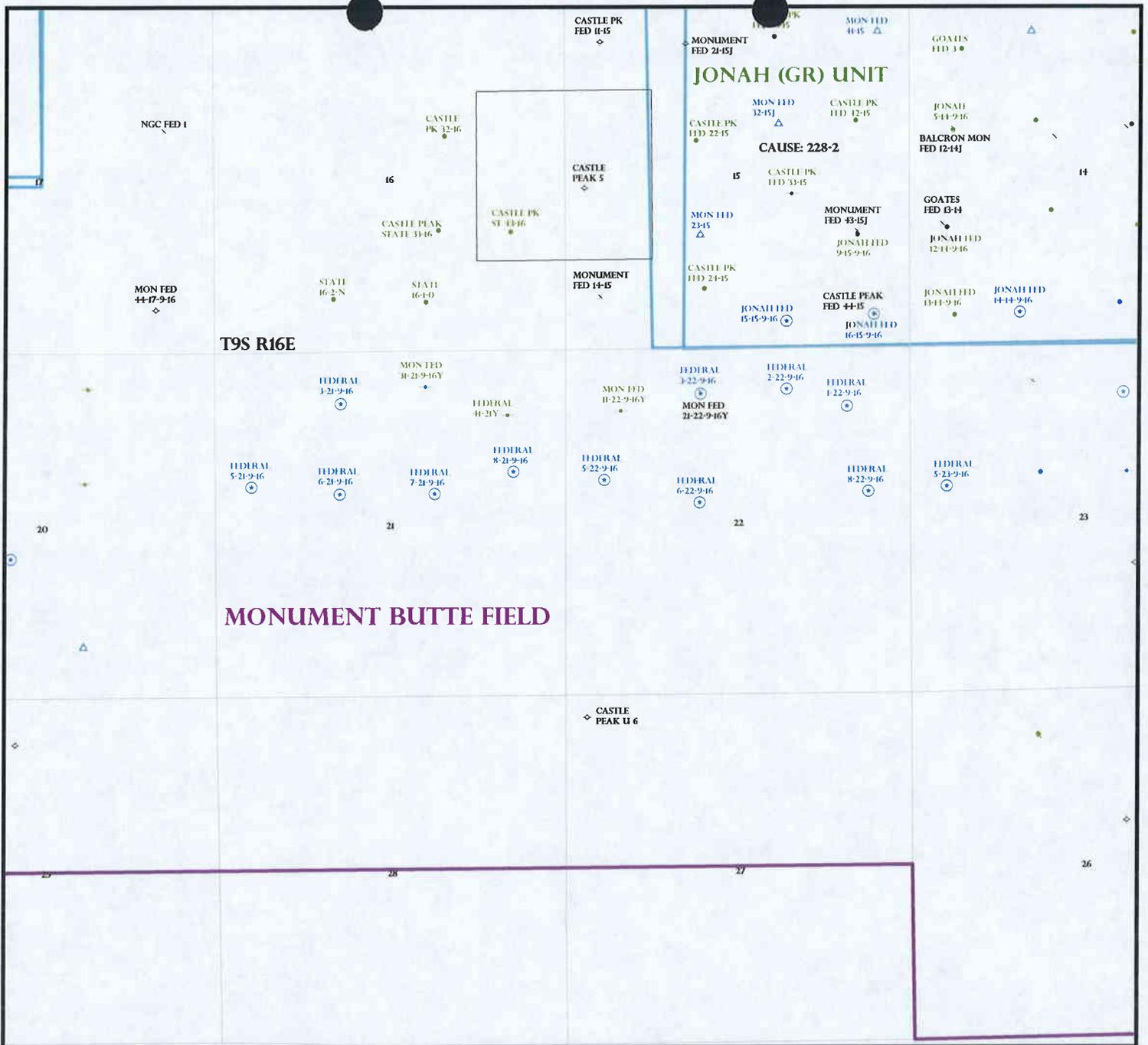
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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- Federal Approval
2- Spacing Stip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21,22 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

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

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

Wells Status

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 20-JANUARY-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

January 23, 2006

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

Re: Federal 3-21-9-16 Well, 774' FNL, 1909' FWL, NE 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 43-013-33019.

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 3-21-9-16

API Number: 43-013-33019

Lease: UTU-64379

Location: NE 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

JAN 13 2006

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 3-21-9-16

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

9. API Well No.
43-013-33019

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

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

10. Field and Pool, or Exploratory
Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NE/NW 774' FNL 1909' FWL
At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area

NE/NW Sec. 21, T9S R16E

14. Distance in miles and direction from nearest town or post office*

Approximatley 21.3 miles southwest of Myton, Utah

12. County or Parish

Duchesne

13. State

UT

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) Approx. 774' 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. 1282'

19. Proposed Depth

6000'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5975' GL

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

23. Estimated duration

Approximately seven (7) days from spud to rig release

24. Attachments

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

- 1. Well plat certified by a registered surveyor.
- 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 <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 1/11/06
--	--	-----------------

Title Regulatory Specialist		
--------------------------------	--	--

Approved by (Signature) <i>Jerry Kenicka</i>	Name (Printed/Typed) JERRY KENICKA	Date 9-15-2006
---	---------------------------------------	-------------------

Title Assistant Field Manager Lands & Mineral Resources	Office	
---	--------	--

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

CONDITIONS OF APPROVAL ATTACHED

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

*(Instructions on reverse)

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

RECEIVED
SEP 25 2006
DIV. OF OIL, GAS & MINING

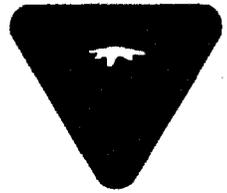


065XSA004A



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:** NENW, Sec 21, T9S, R16E
Well No: Federal 3-21-9-16 **Lease No:** UTU-64379
API No: 43-047-33019 **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:	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 - Forty-Eight (48) hours prior to construction of location and access roads.
(Notify Natural Resource Specialist)
- Location Completion - Prior to moving on the drilling rig.
(Notify Natural Resource Specialist)
- Spud Notice - Twenty-Four (24) hours prior to spudding the well.
(Notify Matt Baker)
- Casing String & Cementing - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
(Notify Jamie Sparger)
- BOP & Related Equipment Tests - Twenty-Four (24) hours prior to initiating pressure tests.
(Notify Jamie Sparger)
- First Production Notice - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.
(Notify Matt Baker)

***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.
12. **CULTURAL AND PALEONTOLOGICAL RESOURCES** 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):

1. 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.

ii. Interim Reclamation Seed Mix for location:

iii. Galleta grass *Hilaria jamesil* 6 lbs/acre

iv. Western wheatgrass *Pascopyrum smithii* 6 lbs/acre

1. Per Live Seed Total 12 lbs/acre

- v. The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- vi. There shall be no primary or secondary noxious weeds in the seed mixture.
- vii. Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- viii. 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.
- ix. 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. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).

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

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

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

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

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

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the 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_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

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

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

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

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 3-21-9-16

Api No: 43-013-33019 Lease Type: FEDERAL

Section 21 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 10/24/06

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by TROY ZUFEIT

Telephone # (435) 823-6013

Date 10/24/06 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
UTLX-104379

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
FEDERAL 3-21-9-16

9. API Well No.
4301333019

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NENW 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 <u>Spud Notice</u>
	<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	

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

On 10/24/2006 MIRU NDSI NS # 1. Spud well @ 8:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 322.71' 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 2 bbls cement to pit. WOC.

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

Signature 

Title
Drilling Foreman

Date
10/27/2006

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
OCT 31 2006
DIV. OF OIL, GAS & MINING

LAST CASING 8 5/8" set @ 322.71
 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 3-21-9-16
 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	310.86
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			312.71
TOTAL LENGTH OF STRING		312.71	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			322.71
TOTAL		310.86	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		310.86	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	10/24/2006	8:00 AM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		10/24/2006	1:30 PM	Bbls CMT CIRC TO SURFACE <u>2</u>			
BEGIN CIRC		10/27/2006	10:22 AM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		10/27/2006	10:40 AM				
BEGIN DSPL. CMT		10/27/2006	10:52 AM	BUMPED PLUG TO <u>500</u> PSI			
PLUG DOWN		10/27/2006	10:59 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 10/27/2006

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.

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 3-21-9-16

9. API Well No.

4301333019

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

RECEIVED
NOV 15 2006
MINING

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include are code)

435.646.3721

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

NENW Section 21 T9S R16E

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

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

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

On 11/7/06 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 @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5854'. 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, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5852.57' KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned All Spacers to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 4:30AM 11/13/06.

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

Don Bastian

Signature

Don Bastian

Title

Drilling Foreman

Date

11/13/2006

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

Office

Date

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

(Instructions on reverse)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5852.57

Flt cllr @ 5806.81'

LAST CASING 8 5/8" SET # 322'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 3-21-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Patterson #155

TD DRILLER 5965 Loggers TD 5854'

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 3935.97(6.02)					
133	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5794.81
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.51
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5854.57
TOTAL LENGTH OF STRING		5854.57	134	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		198.44	5	CASING SET DEPTH			5852.57
TOTAL		6037.76	139	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6037.76	139				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		5:30PM	11/12/2006	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		8:30PM	11/12/2006	Bbls CMT CIRC TO SURFACE <u>All Spacers</u>			
BEGIN CIRC		9:00PM	12-Nov	RECIPROCATED PIPE FOR <u>THRUSTROKE NA</u>			
BEGIN PUMP CMT		10:50PM	11/12/2006	DID BACK PRES. VALVE HOLD ? <u>Yes</u>			
BEGIN DSPL. CMT		11:42PM	11/12/2006	BUMPED PLUG TO <u>1600</u> PSI			
PLUG DOWN		12:08AM	11/12/2006				
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 / 3.43 cf/sk yield					
2	425	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 Don Bastian

DATE 11/13/2006

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:

8. WELL NAME and NUMBER:

Federal 3-21-9-16

9. API NUMBER:

4301333019

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

PHONE NUMBER
435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

STATE: UT

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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/14/2006	<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.

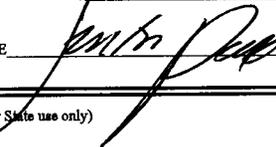
Status report for time period 11/27/06 - 12/07/06

Subject well had completion procedures initiated in the Green River formation on 11-28-06 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 (5742'-5755'); Stage #2 (5500'-5523'); Stage #3 (5194'-5205'), (5212'-5232'); Stage #4 (4984'-5002'); Stage #5 (4876'-4881'). 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 12-05-2006. Bridge plugs were drilled out and well was cleaned to 5806'. 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 12-07-2006.

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

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 12/14/2006

(This space for State use only)

**RECEIVED
DEC 15 2006
DIV. OF OIL, GAS & MINING**

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

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 3-21-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-33019

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 **774' FNL & 1909' FWL (NE/NW) Sec. 21, T9S, R16E**

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

Sec. 21, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. **43-013-33019** DATE ISSUED **01/23/06**

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUNDED

10/24/06

16. DATE T.D. REACHED

11/11/06

17. DATE COMPL. (Ready to prod.)

12/07/06

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

5975' GL

19. ELEV. CASINGHEAD

5987' KB

20. TOTAL DEPTH, MD & TVD

5872'

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

5806'

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 4876'-5755'

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#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5853'	7-7/8"	300 sx Premite II and 425 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 @ 5774'	TA @ 5604'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP4) 5742'-5755'	.46"	4/52	5742'-5755'	Frac w/ 29,540# 20/40 sand in 399 bbls fluid
(CP1) 5500'-5523'	.43"	4/92	5500'-5523'	Frac w/ 89,095# 20/40 sand in 713 bbls fluid
(LODC) 5194'-5205', 5212'-5232'	.43"	4/124	5194'-5232'	Frac w/ 126,238# 20/40 sand in 886 bbls fluid
(A1) 4984'-5002'	.43"	4/72	4984'-5002'	Frac w/ 18,951# 20/40 sand in 288 bbls fluid
(B2) 4876'-4881'	.43"	4/20	4876'-4881'	Frac w/ 12,667# 20/40 sand in 262 bbls fluid

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

33.* PRODUCTION

DATE FIRST PRODUCTION 12/07/06	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
			----->	45	13	22	289
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->				RECEIVED	

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

Sold & Used for Fuel

TEST WITNESSED **JAN 02 2007**

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

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

SIGNED Jerry Park
Jentry Park

TITLE Production Clerk

DATE 12/29/2006

JP

*(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 3-21-9-16	Garden Gulch Mkr	3593'	
				Garden Gulch 1	3805'	
				Garden Gulch 2	3914'	
				Point 3 Mkr	4149'	
				X Mkr	4427'	
				Y-Mkr	4460'	
				Douglas Creek Mkr	4575'	
				BiCarbonate Mkr	4784'	
				B Limestone Mkr	4907'	
				Castle Peak	5452'	
				Basal Carbonate		
				Total Depth (LOGGERS)	5854'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
---	---

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.	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 3-21-9-16
------------------------------------	--

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330190000
--	---

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: 0774 FNL 1909 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/31/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="OAP to Current Formation"/>

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

Newfield proposes to perforate and fracture stimulate the following:GB-4 4067-4078 and D-1 4624-4633 with in the current production formation (Green River).

Accepted by the Utah Division of Oil, Gas and Mining

Date: November 05, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 10/31/2013



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

July 29, 2014

Rosie Purnell
NEWFIELD PRODUCTION COMPANY
Rt 3 Box 3630
Myton, UT 84052

RE: Designation of Workover or Recompletion, Form 15.

Dear Rosie Purnell,

Enclosed is a copy of the referenced form received by the Division of Oil, Gas and Mining for the FEDERAL 3-21-9-16 well (43013330190000). Total expenses in the amount of \$ 28785.00 were submitted for the Production Enhancement work that commenced on February 5, 2014 and was completed on February 7, 2014.

The total submitted expenses fall within the statutory definition of workover or recompletion. ***Therefore, your request for designation of the expenses as qualifying workover recompletion expenses is being approved as submitted for the amount of \$ 28785.00.***

Please contact me at (801) 538-5281 if you require further information regarding this matter. Thank you.

Sincerely,

Dustin K Doucet
Petroleum Engineer

Enclosures

cc: Utah Tax Commission w/enclosure
Operator file

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:

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

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
Federal 3-21-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333019

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:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 774 FNL 1909 FWL

COUNTY: DUCHESNE

OTR/OTR SECTION TOWNSHIP RANGE MERIDIAN: NENW, 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/07/2014	<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 type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" 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 type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The subject well has been converted from a producing oil well to an injection well on 02/06/2014. On 02/06/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/07/2014 the casing was pressured up to 1590 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE

DATE 02/19/2014

Summary Rig Activity

Daily Activity Report

Format For Sundry

FEDERAL 3-21-9-16**12/1/2013 To 4/28/2014****12/4/2013 Day: 1****Host Well Gyro**

Nabors #1460 on 12/4/2013 - MIRU, TOOH W/ PRODUCTION, RUN GYRO - FLUSH TBG W/ 45 BBL RU MULTI SHOT - CREW TRAVEL - PU PUMP 6 WEIGHT BARS W/ 6 STABILIZERS RIH W/ 40 3/4" 4 PERS 73 3/4" SLK 100 3/4" 4 PERS 8' 2' PONY RODS PU POLISH ROD AND STACK OUT RODS PICK UP EQUIPMENT DIDNT FIX RAN WHAT WAS PULLED - RUN GYRO LOG RD MULTISHOT - POOH W/ RODS FLUSH 1 TIME W/ 15 BBL LD WEIGHT BARS AND PUMP - SPOT IN RIG WAIT FOR AND PLANT 2 DEAD MEN SICP 500 # GROUND TANK AND BLEED OFF PRESSURE - CREW TRAVEL - SAFETY MEETING TOPIC RIG UP PULLING AND RUNING RODS RUNING GYRO RIG DOWN

Daily Cost: \$0**Cumulative Cost:** \$12,175**2/5/2014 Day: 3****Conversion**

NC #1 on 2/5/2014 - NU BOP, POOH w/ Tbg Breaking Collars, LD Excess Tbg, MU & RIH w/ PKR & 40- Jts - 5:30 to 6:00AM C/travl: SICP 150psi SITP 100psi, OWU, XO For Tbg, ND B-1 WH, Release TAC, NU Weatherford BOP, RU Workfloor, PU 5- Jts, Tagged Fill @ 5784', 22' Of Total Fill On PB, LD Jts, POOH w/ 149- Jts Breaking & Inspected Collars, Applied Liquid O-Ring To Pins, Tallied Each Stn to 4793", LD 26-Jts & BHA, Cleaned Out 30' Of Fill From Tail jts, H/Oiler Pmped 70BW During Trip, MU & RIH w/ Weatherford AS-1 PKR w/ XN, TIH w/ 40- Jts...SWIFN...7:00 to 7:30PM C/travl - Moved From 22-20-9-16 @ 11:00: MIRUSU, BMW H/ Oiler Pmped 25BW d/ Tbg, Caught Pressure, Pmped 45BW d/Csg, LD & Stripped Polished Rod, Soft Seat Rod Pmp, 15BWto Fill Tbg, Tbg Failed @ 2900psi, LD Rod String, Flushed Rods w/ 30BW, LD & Inspect Rod Pmp (Heavy Scale Built Up On Screen), SWIFN...6:00 to 6:30PM C/travl - Moved From 22-20-9-16 @ 11:00: MIRUSU, BMW H/ Oiler Pmped 25BW d/ Tbg, Caught Pressure, Pmped 45BW d/Csg, LD & Stripped Polished Rod, Soft Seat Rod Pmp, 15BWto Fill Tbg, Tbg Failed @ 2900psi, LD Rod String, Flushed Rods w/ 30BW, LD & Inspect Rod Pmp (Heavy Scale Built Up On Screen), SWIFN...6:00 to 6:30PM C/travl - 5:30 to 6:00AM C/travl: SICP 150psi SITP 100psi, OWU, XO For Tbg, ND B-1 WH, Release TAC, NU Weatherford BOP, RU Workfloor, PU 5- Jts, Tagged Fill @ 5784', 22' Of Total Fill On PB, LD Jts, POOH w/ 149- Jts Breaking & Inspected Collars, Applied Liquid O-Ring To Pins, Tallied Each Stn to 4793", LD 26-Jts & BHA, Cleaned Out 30' Of Fill From Tail jts, H/Oiler Pmped 70BW During Trip, MU & RIH w/ Weatherford AS-1 PKR w/ XN, TIH w/ 40-Jts...SWIFN...7:00 to 7:30PM C/travl

Daily Cost: \$0**Cumulative Cost:** \$27,608**2/6/2014 Day: 4****Conversion**

NC #1 on 2/6/2014 - PT Tbg, GOOD TEST, ND BOP, Pmp PKR Fluids, Set PKR, NU Injection Tree, PT CSG, GOOD TEST, RDMOSU - 5:30 to 6:00AM C/travl: SICP 50psi SITP 50psi: OWU, TIH w/ Remaing Jts, BMW H/Oiler Pmped 15BW d/Tbg, Dropped Stnd Valv, RU & RIH w/ SL to Seat ST, 17BW to Fill Tbg, LD SL, MU Isolation T, PT Tbg to 3000psi, Observ Pressure, 125psi Loss in 30Min, Bleed Off Gas, RePressured to 3000psi, NO Pressure Loss In 30Min, GOOD TBG TEST, Retreived Stn Valv, RD Workfloor, ND BOP, XO 3K Ball Valves, Tightened WH, H/ Oiler Pmped 55BW d/ Annulus w/ PKR Fluids, Well Didn't Circulate, MU 3K Injection Tree, Set AS-1 PKR CE @ 4811' w/ 1500# of Tension, NU WH, 22BW to Fill Annulus, PT to 1580psi, Observ

Summary Rig Activity

Pressure, NO PRESURE LOSS in 30min, GOOD TEST, XO for Rods, RDMOSU...FINAL RIG REPORT....READY FOR MIT!!

Daily Cost: \$0

Cumulative Cost: \$41,898

2/11/2014 Day: 5

Conversion

Rigless on 2/11/2014 - Conduct initial MIT - On 02/06/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/07/2014 the casing was pressured up to 1590 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$74,110

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

CREDITS FOR INJECTION CONVERSION / RECOMPLETION

FEDERAL 3-21-9-16
 CONVERSION
 Date Commenced 12/4/2013
 Date Completed 2/7/2014
 API Number 43-013-33019

Location	Rig Charges	Water and Chemicals	Equipment Purchase	Equipment Rental	Perforating	Acidizing	Fracture Stimulation	Logging Services	Supervision and Overhead	Other	SUPER
		3,440			739						administrative overhead
		5,027									transportation and hauling
											hot oil
											acidizing & fracting
											equipment rentals
		286									complitn fluids/water/chemical
		200									water disposal
											wirrlne/logging/perforating
											completion rig
	14,092										rig mob & demob
											location prep, rmdtn & mntnc
											labor, supervision
											downhole equipment rental
1,434	14,092	8,953	-	866	-	-	-	-	3,440	-	

28,785

TOTAL

Source	(Multiple Items)	FEDERAL 3-21-9-16		
Sum of Line Amount				Total
Account	Account Name	Service Date	Party Name	Total
885107	Chemical Treatment-Subsurface	2/5/2014	MULTI-CHEM GROUP LLC	285.94
		2/5/2014 Total		285.94
	Chemical Treatment-Subsurface Total			285.94 ✓
885107 Total				285.94
885117	Environment & Safety	2/6/2014	TOTAL SAFETY US INC	529.17
		2/6/2014 Total		529.17
	Environment & Safety Total			529.17
885117 Total				529.17
885120	Fluid Disposal	2/7/2014	ENVIRONMENTAL ENERGY INNOVATIONS LLC	200
		2/7/2014 Total		200
	Fluid Disposal Total			200 ✓
885120 Total				200
885128	Hot Oiling Services	2/4/2014	BMW HOT OIL INC	1345.52
		2/4/2014 Total		1345.52
		2/5/2014	BMW HOT OIL INC	1774.21
		2/5/2014 Total		1774.21
		2/6/2014	BMW HOT OIL INC	1354.21
			PREFERRED HOT OIL LLC	553.2
2/6/2014 Total		1907.41		
Hot Oiling Services Total			5027.14 ✓	
885128 Total				5027.14
885138	Automation	2/19/2014	WINN-MARION BARBER LLC	3698.14
		2/19/2014 Total		3698.14
		2/28/2014	ROCKY MOUNTAIN AUTOMATION LLC	186.5
			WINN-MARION BARBER LLC	3791.51
		2/28/2014 Total		3978.01
		3/5/2014	RYAN ROSS SERVICES INC	228
		3/5/2014 Total		228
		3/12/2014	PARAGON AUTOMATION INC	3126.53
	RYAN ROSS SERVICES INC	228		
3/12/2014 Total		3354.53		
Automation Total			11258.68	
885138 Total				11258.68
885141	Labor - Contract Employees	2/4/2014	JESSEN ELECTRIC INC	165.04
		2/4/2014 Total		165.04
		2/7/2014	MERKLEY OILFIELD SERVICE INC	782.5
		2/7/2014 Total		782.5
		2/19/2014	AUSTINS ROUSTABOUT SERVICE LLC	342
		2/19/2014 Total		342
		2/20/2014	US OILFIELD SERVICES LLC	1900
		2/20/2014 Total		1900
		3/11/2014	US OILFIELD SERVICES LLC	250
		3/11/2014 Total		250
Labor - Contract Employees Total			3439.54 ✓	
885141 Total				3439.54
885144	Location Remediation & Maintenance	2/10/2014	RASMUSSEN ROCK	48.98
		2/10/2014 Total		48.98
	Location Remediation & Maintenance Total			48.98 ✓
885144 Total				48.98
885146	Miscellaneous Services	2/6/2014	ZUBIATE MACHINE WORKS LLC	127.14
		2/6/2014 Total		127.14
	Miscellaneous Services Total			127.14 ✓
885146 Total				127.14
885150	Rig Costs - Dayrate	2/6/2014	NEWFIELD DRILLING SERVICES INC ✓	14092
		2/6/2014 Total		14092
	Rig Costs - Dayrate Total			14092 ✓
885150 Total				14092
885162	Transportation - Land	2/4/2014	ZUBIATE HOT OIL	347.5
		2/4/2014 Total		347.5
		2/5/2014	RUNNERS INC	712
		2/5/2014 Total		712
		2/6/2014	ZUBIATE HOT OIL	417
		2/6/2014 Total		417
		2/7/2014	RUNNERS INC	477.5
		2/7/2014 Total		477.5
		2/8/2014	ZUBIATE HOT OIL	486.5
		2/8/2014 Total		486.5
2/11/2014	SHIELDS TRUCKING INC	472.5		

Source (Multiple Items) FEDERAL 3-21-9-16

Sum of Line Amount				Total
Account	Account Name	Service Date	Party Name	Total
885162	Transportation - Land	2/11/2014 Total		472.5
		2/20/2014	HL PRODUCTION SERVICES LLC	264.6
		2/20/2014 Total		264.6
		2/21/2014	RUSTIN MAIR TRUCKING INC	262.5
		2/21/2014 Total		262.5
Transportation - Land Total				3440.1
885162 Total				3440.1
885302	Blow Out Preventors	2/5/2014	WEATHERFORD	738.91
		2/5/2014 Total		738.91
Blow Out Preventors Total				738.91
885302 Total				738.91
885601	Artificial Lift	12/17/2013	(blank)	-15540
		12/17/2013 Total		-15540
Artificial Lift Total				-15540
885601 Total				-15540
885604	Packers & Liner Hangers	2/10/2014	WEATHERFORD	7255.64
		2/10/2014 Total		7255.64
Packers & Liner Hangers Total				7255.64
885604 Total				7255.64
885613	Pipe - Tubing	2/5/2014	(blank)	1559.25
		2/5/2014 Total		1559.25
		2/10/2014	(blank)	-2320.76
		2/10/2014 Total		-2320.76
Pipe - Tubing Total				-761.51
885613 Total				-761.51
885614	Rods	2/5/2014	(blank)	-1338
		2/5/2014 Total		-1338
Rods Total				-1338
885614 Total				-1338
885617	Wellhead	2/18/2014	PARAGON OILFIELD PRODUCTS	5527.37
		2/18/2014 Total		5527.37
		2/19/2014	US OILFIELD SERVICES LLC	1925
		2/19/2014 Total		1925
Wellhead Total				7452.37
885617 Total				7452.37
890120	Fluid Disposal	1/15/2014	NEWFIELD DRILLING SERVICES INC	472.5
		1/15/2014 Total		472.5
		1/16/2014	NEWFIELD DRILLING SERVICES INC	420
		1/16/2014 Total		420
		1/17/2014	NEWFIELD DRILLING SERVICES INC	735
		1/17/2014 Total		735
		1/18/2014	NEWFIELD DRILLING SERVICES INC SHIELDS TRUCKING INC	446.25 262.5
		1/18/2014 Total		708.75
		1/19/2014	IOWA TANKLINES INC SHIELDS TRUCKING INC	105.6 630
		1/19/2014 Total		735.6
		1/20/2014	NEWFIELD DRILLING SERVICES INC	262.5
		1/20/2014 Total		262.5
		1/21/2014	NEWFIELD DRILLING SERVICES INC	157.5
		1/21/2014 Total		157.5
		1/22/2014	NEWFIELD DRILLING SERVICES INC	210
		1/22/2014 Total		210
		1/23/2014	NEWFIELD DRILLING SERVICES INC	288.75
		1/23/2014 Total		288.75
		1/25/2014	NEWFIELD DRILLING SERVICES INC OILFIELD CLASS TRANSPORTS INC WESTERN WATER SOLUTIONS LLC	315 250 210
		1/25/2014 Total		775
		1/26/2014	IOWA TANKLINES INC NEWFIELD DRILLING SERVICES INC	148.5 472.5
		1/26/2014 Total		621
		1/27/2014	NEWFIELD DRILLING SERVICES INC	420
		1/27/2014 Total		420
		1/28/2014	NEWFIELD DRILLING SERVICES INC	367.5
		1/28/2014 Total		367.5
		1/29/2014	FABRIZIO TRANSPORT INC NEWFIELD DRILLING SERVICES INC	157.5 210

Source (Multiple Items) FEDERAL 3-21-9-16

Sum of Line Amount	Account Name	Service Date	Party Name	Total
890120	Fluid Disposal	1/29/2014 Total		367.5
		1/30/2014	IOWA TANKLINES INC	193.05
			SHIELDS TRUCKING INC	315
		1/30/2014 Total		508.05
		1/31/2014	SHIELDS TRUCKING INC	210
		1/31/2014 Total		210
		2/1/2014	NEWFIELD DRILLING SERVICES INC	315
		2/1/2014 Total		315
		2/2/2014	NEWFIELD DRILLING SERVICES INC	288.75
			SHIELDS TRUCKING INC	172.5
		2/2/2014 Total		461.25
		2/3/2014	NEWFIELD DRILLING SERVICES INC	367.5
		2/3/2014 Total		367.5
		2/7/2014	IOWA TANKLINES INC	198
			NEWFIELD DRILLING SERVICES INC	262.5
			SHIELDS TRUCKING INC	472.5
		2/7/2014 Total		933
		2/8/2014	NEWFIELD DRILLING SERVICES INC	525
		2/8/2014 Total		525
		2/9/2014	NEWFIELD DRILLING SERVICES INC	603.75
		2/9/2014 Total		603.75
		2/10/2014	NEWFIELD DRILLING SERVICES INC	315
		2/10/2014 Total		315
		2/11/2014	NEWFIELD DRILLING SERVICES INC	315
		2/11/2014 Total		315
		2/12/2014	NEWFIELD DRILLING SERVICES INC	367.5
		2/12/2014 Total		367.5
		2/13/2014	NEWFIELD DRILLING SERVICES INC	577.5
		2/13/2014 Total		577.5
		2/14/2014	NEWFIELD DRILLING SERVICES INC	367.5
		2/14/2014 Total		367.5
		2/15/2014	IOWA TANKLINES INC	336
			NEWFIELD DRILLING SERVICES INC	157.5
		2/15/2014 Total		493.5
		2/16/2014	NEWFIELD DRILLING SERVICES INC	262.5
		2/16/2014 Total		262.5
		2/17/2014	NEWFIELD DRILLING SERVICES INC	288.75
		2/17/2014 Total		288.75
		2/18/2014	NEWFIELD DRILLING SERVICES INC	315
		2/18/2014 Total		315
		2/19/2014	NEWFIELD DRILLING SERVICES INC	393.75
		2/19/2014 Total		393.75
		2/20/2014	NEWFIELD DRILLING SERVICES INC	341.25
		2/20/2014 Total		341.25
		2/21/2014	NEWFIELD DRILLING SERVICES INC	0
		2/21/2014 Total		0
		2/22/2014	NEWFIELD DRILLING SERVICES INC	157.5
		2/22/2014 Total		157.5
		2/23/2014	NEWFIELD DRILLING SERVICES INC	315
		2/23/2014 Total		315
		2/24/2014	NEWFIELD DRILLING SERVICES INC	210
		2/24/2014 Total		210
		2/25/2014	NEWFIELD DRILLING SERVICES INC	315
		2/25/2014 Total		315
		2/26/2014	NEWFIELD DRILLING SERVICES INC	367.5
		2/26/2014 Total		367.5
		3/2/2014	NEWFIELD DRILLING SERVICES INC	288.75
		3/2/2014 Total		288.75
		3/3/2014	NEWFIELD DRILLING SERVICES INC	577.5
		3/3/2014 Total		577.5
		3/4/2014	NEWFIELD DRILLING SERVICES INC	210
		3/4/2014 Total		210
		3/5/2014	NEWFIELD DRILLING SERVICES INC	682.5
		3/5/2014 Total		682.5
		3/6/2014	NEWFIELD DRILLING SERVICES INC	393.75
		3/6/2014 Total		393.75
		3/7/2014	NEWFIELD DRILLING SERVICES INC	341.25
		3/7/2014 Total		341.25

Source (Multiple Items) FEDERAL 3-21-9-16

Sum of Line Amount			
Account	Account Name	Service Date	Party Name
890120	Fluid Disposal	3/8/2014	NEWFIELD DRILLING SERVICES INC
			315
		3/8/2014 Total	315
		3/9/2014	NEWFIELD DRILLING SERVICES INC
			105
		3/9/2014 Total	105
		3/10/2014	NEWFIELD DRILLING SERVICES INC
			341.25
		3/10/2014 Total	341.25
		3/11/2014	NEWFIELD DRILLING SERVICES INC
			420
		3/11/2014 Total	420
		3/12/2014	NEWFIELD DRILLING SERVICES INC
			210
		3/12/2014 Total	210
		3/13/2014	NEWFIELD DRILLING SERVICES INC
			420
		3/13/2014 Total	420
		3/14/2014	NEWFIELD DRILLING SERVICES INC
			341.25
		3/14/2014 Total	341.25
		3/15/2014	NEWFIELD DRILLING SERVICES INC
			183.75
		3/15/2014 Total	183.75
		3/16/2014	NEWFIELD DRILLING SERVICES INC
			551.25
		3/16/2014 Total	551.25
		3/17/2014	NEWFIELD DRILLING SERVICES INC
			288.75
		3/17/2014 Total	288.75
		3/18/2014	NEWFIELD DRILLING SERVICES INC
			367.5
		3/18/2014 Total	367.5
		3/19/2014	NEWFIELD DRILLING SERVICES INC
			157.5
		3/19/2014 Total	157.5
		3/20/2014	NEWFIELD DRILLING SERVICES INC
			577.5
		3/20/2014 Total	577.5
		3/21/2014	NEWFIELD DRILLING SERVICES INC
			315
		3/21/2014 Total	315
		3/22/2014	NEWFIELD DRILLING SERVICES INC
			105
		3/22/2014 Total	105
		3/23/2014	NEWFIELD DRILLING SERVICES INC
			367.5
		3/23/2014 Total	367.5
		3/24/2014	NEWFIELD DRILLING SERVICES INC
			210
		3/24/2014 Total	210
		3/25/2014	NEWFIELD DRILLING SERVICES INC
			498.75
		3/25/2014 Total	498.75
		3/26/2014	NEWFIELD DRILLING SERVICES INC
			210
		3/26/2014 Total	210
		3/27/2014	NEWFIELD DRILLING SERVICES INC
			315
		3/27/2014 Total	315
		3/28/2014	NEWFIELD DRILLING SERVICES INC
			210
		3/28/2014 Total	210
		3/29/2014	NEWFIELD DRILLING SERVICES INC
			157.5
		3/29/2014 Total	157.5
		3/30/2014	NEWFIELD DRILLING SERVICES INC
			157.5
		3/30/2014 Total	157.5
		3/31/2014	NEWFIELD DRILLING SERVICES INC
			183.75
		3/31/2014 Total	183.75
		4/1/2014	NEWFIELD DRILLING SERVICES INC
			210
		4/1/2014 Total	210
		4/2/2014	IOWA TANKLINES INC
			230
			NEWFIELD DRILLING SERVICES INC
			183.75
		4/2/2014 Total	413.75
		4/3/2014	NEWFIELD DRILLING SERVICES INC
			210
		4/3/2014 Total	210
		4/4/2014	NEWFIELD DRILLING SERVICES INC
			157.5
		4/4/2014 Total	157.5
		4/5/2014	NEWFIELD DRILLING SERVICES INC
			262.5
		4/5/2014 Total	262.5
		4/6/2014	NEWFIELD DRILLING SERVICES INC
			157.5
		4/6/2014 Total	157.5
		4/7/2014	SHIELDS TRUCKING INC
			262.5
		4/7/2014 Total	262.5
		4/8/2014	NEWFIELD DRILLING SERVICES INC
			367.5
		4/8/2014 Total	367.5
		4/9/2014	NEWFIELD DRILLING SERVICES INC
			157.5
		4/9/2014 Total	157.5
		4/10/2014	NEWFIELD DRILLING SERVICES INC
			157.5

Source (Multiple Items) FEDERAL 3-21-9-16

Sum of Line Amount				Total
Account	Account Name	Service Date	Party Name	Total
890120	Fluid Disposal	4/10/2014 Total		157.5
		4/11/2014	NEWFIELD DRILLING SERVICES INC	210
		4/11/2014 Total		210
		4/13/2014	NEWFIELD DRILLING SERVICES INC	341.25
		4/13/2014 Total		341.25
		4/14/2014	NEWFIELD DRILLING SERVICES INC	446.25
		4/14/2014 Total		446.25
		4/15/2014	NEWFIELD DRILLING SERVICES INC	420
		4/15/2014 Total		420
		4/16/2014	NEWFIELD DRILLING SERVICES INC	157.5
		4/16/2014 Total		157.5
		4/17/2014	NEWFIELD DRILLING SERVICES INC	210
		4/17/2014 Total		210
		4/18/2014	NEWFIELD DRILLING SERVICES INC	183.75
		4/18/2014 Total		183.75
		4/19/2014	NEWFIELD DRILLING SERVICES INC	157.5
		4/19/2014 Total		157.5
		4/20/2014	NEWFIELD DRILLING SERVICES INC	105
		4/20/2014 Total		105
		4/22/2014	NEWFIELD DRILLING SERVICES INC	157.5
		4/22/2014 Total		157.5
		4/23/2014	NEWFIELD DRILLING SERVICES INC	157.5
		4/23/2014 Total		157.5
		4/24/2014	NEWFIELD DRILLING SERVICES INC	210
		4/24/2014 Total		210
		4/25/2014	NEWFIELD DRILLING SERVICES INC	393.75
		4/25/2014 Total		393.75
		4/26/2014	NEWFIELD DRILLING SERVICES INC	157.5
		4/26/2014 Total		157.5
	Fluid Disposal Total			31033.65
890120 Total				31033.65
890144	Location Remediation & Maintenance	12/20/2013	BENCO OIL SERVICES INC	1385
		12/20/2013 Total		1385
	Location Remediation & Maintenance Total			1385
890144 Total				1385
890337	Safety Equipment	3/10/2014	TOTAL SAFETY US INC	515.42
		3/10/2014 Total		515.42
	Safety Equipment Total			515.42
890337 Total				515.42
890347	Treaters	12/12/2013	CAMERON SOLUTIONS INC	2144.77
		12/12/2013 Total		2144.77
	Treaters Total			2144.77
890347 Total				2144.77
(blank)	(blank)	(blank)	(blank)	0
		(blank) Total		0
	(blank) Total			0
(blank) Total				0
Grand Total				71334.94

Pump Information

Stroke Length:	0	SPM:	0	Well on Prod Date:		Well on Pump Date:	
Pump Notes:							
Pump Unit Description:							
Motor Size:	0	Motor Description:					

Pump Type	Max ID	Bbl Lng	Ext Lng	Ext Lng 2	Plunger Size	Description
	0	0'	0'	0'	0	

psi, 64s, bbls, mcf	TP	CP	Choke	Oil Vol	Oil Rate	Water Vol	Water Rate	Gas Vol	Gas Rate
Daily Total									
Well Total									

Well Costs

Code	Description	Comments	Daily	Cumulative
890120	Fluid Disposal	Fluid Disposal	\$600.00	\$600.00
890128	Hot Oiling Services	Hot Oiler	\$1,900.00	\$8,291.00
890138	Instrumentation	Instrumentation	\$8,400.00	\$8,400.00
890139	Labor - Company Supervision	NFX Supervision	\$600.00	\$1,500.00
890140	Labor - Company Employees	NFX Labor	\$160.00	\$160.00
890141	Labor - Contract Employees	Contract Labor	\$11,774.00	\$11,774.00
890144	Location Remediation & Maintenance		\$0.00	\$500.00
890146	Miscellaneous Services		\$0.00	\$650.00
890150	Rig costs - Dayrate		\$0.00	\$19,372.00
890157	Survey - Well		\$0.00	\$2,600.00
890162	Transportation - Land	Transportation	\$1,300.00	\$4,700.00
890302	Blow Out Preventors		\$0.00	\$700.00
890304	Completion Fluids		\$0.00	\$600.00
Total Intangibles:			\$24,734.00	\$59,847.00

890604	Packers & Liner Hangers		\$0.00	\$3,500.00
890613	Pipe - Tubing		\$0.00	\$75.00
890617	Wellhead	Wellhead	\$7,478.00	\$10,688.00
Total Tangibles:			\$7,478.00	\$14,263.00
Total Daily Costs:			\$32,212.00	\$74,110.00

Pump Information

Stroke Length:	0	SPM:	0	Well on Prod Date:		Well on Pump Date:	
Pump Notes:							
Pump Unit Description:							
Motor Size:	0	Motor Description:					

Pump Type	Max ID	Bbl Lng	Ext Lng	Ext Lng 2	Plunger Size	Description
	0	0'	0'	0'	0	

psi, 64s, bbls, mcf	TP	CP	Choke	Oil Vol	Oil Rate	Water Vol	Water Rate	Gas Vol	Gas Rate
Daily Total									
Well Total									

Well Costs

Code	Description	Comments	Daily	Cumulative
890128	Hot Oiling Services	BMW Hot Oil	\$1,475.00	\$6,391.00
890139	Labor - Company Supervision	NDSI Supervision Jeremy Silcox	\$150.00	\$900.00
890144	Location Remediation & Maintenance		\$0.00	\$500.00
890146	Miscellaneous Services	Mtn West Sanitation \$300, Multi- Chem PKR Fluids \$350	\$650.00	\$650.00
890150	Rig costs - Dayrate	NC #1	\$4,730.00	\$19,372.00
890157	Survey - Well		\$0.00	\$2,600.00
890162	Transportation - Land		\$0.00	\$3,400.00
890302	Blow Out Preventors	Weatherford BOP,WH,TIW	\$350.00	\$700.00
890304	Completion Fluids	Sheilds trucking 130Bbls Of Johnson Fresh Wtr	\$150.00	\$600.00
			Total Intangibles:	\$7,505.00
				\$35,113.00

890604	Packers & Liner Hangers	AS-1 Injection Packer Assem. w/ XN Nipple	\$3,500.00	\$3,500.00
890613	Pipe - Tubing	5- 2 7/8" J-55 Collars	\$75.00	\$75.00
890617	Wellhead	3K Injection Tree#140807 w/ Ring Gasket, 2-3K Ball Valvs, 2- Nipples	\$3,210.00	\$3,210.00
			Total Tangibles:	\$6,785.00
			Total Daily Costs:	\$14,290.00
				\$41,898.00

Pump Information

Stroke Length:	0	SPM:	0	Well on Prod Date:		Well on Pump Date:	
Pump Notes:							
Pump Unit Description:							
Motor Size:	0	Motor Description:					

Pump Type	Max ID	Bbl Lng	Ext Lng	Ext Lng 2	Plunger Size	Description

psi, 64s, bbls, mcf	TP	CP	Choke	Oil Vol	Oil Rate	Water Vol	Water Rate	Gas Vol	Gas Rate
Daily Total									
Well Total									

Well Costs

Code	Description	Comments	Daily	Cumulative
890128	Hot Oiling Services	BMW Hot Oil	\$1,775.00	\$4,916.00
890139	Labor - Company Supervision	NDSI Supervision Jeremy Silcox	\$300.00	\$750.00
890144	Location Remediation & Maintenance		\$0.00	\$500.00
890150	Rig costs - Dayrate	NC #1	\$6,092.00	\$14,642.00
890157	Survey - Well		\$0.00	\$2,600.00
890162	Transportation - Land		\$0.00	\$3,400.00
890302	Blow Out Preventors	Weatherford BOP,WH,TIW	\$350.00	\$350.00
890304	Completion Fluids	NDSI Wtr 1- Load	\$150.00	\$450.00
Total Intangibles:			\$8,667.00	\$27,608.00
Total Tangibles:			\$0.00	\$0.00
Total Daily Costs:			\$8,667.00	\$27,608.00

Day 2

NEWFIELD				Final Daily Workover Report		Well Name:	FEDERAL 3-21-9-16
				LOE		A/E:	
Fields:	GMBU CTB5	Rig Name:	NC #1	Report Date:	2/5/2014	Operation:	NU BOP
Location:	S21 T9S R16E	Supervisor:	Jeremy Silcox	Work Performed:	2/4/2014	Day:	2
County:	DUCHESNE	Phone:	435- 823-6733	Daily Cost:	\$6,766	Cum DWR:	\$18,941
State:	UT	Email:	jsilcox@newfield.com	Reason for Workover:			
				Conversion			

Failures

Failure Date	Failure 1	Failure 2	Failure 3	Failure 4	Failure 5
2/5/2014	Mechanical Integrity	Tubing Failure	Burst Tubing Over Pressure		

Summaries

24 Hr. Summary:	MIRUSU, Tbg Pressure Test Failed, LD Rod String				
24 Hr. Plan Forward:	NU BOP, POOH w/ Tbg Breaking Collars				
Incidents	None	Newfield Pers:	6	Contract Pers:	1
Conditions:					

Activity Summary

P: Moved From 22-20-9-16 @ 11:00: MIRUSU, BMW H/ Oiler Pmped 25BW d/ Tbg, Caught Pressure, Pmped 45BW d/Csg, LD & Stripped Polished Rod, Soft Seat Rod Pmp, 15BWto Fill Tbg, Tbg Failed @ 2900psi, LD Rod String, Flushed Rods w/ 30BW, LD & Inspect Rod Pmp (Heavy Scale Built Up On Screen), SWIFN...6:00 to 6:30PM C/trav

Casing Data

Type	Size	Weight	Grade	Conn.	Top	Bottom	PBDT	Upd. PBDT	TOC	Burst	Collapse	ID	Drift	Capacity	Comments
Surface	8 5/8"	24	J-55	STC		322									
Production	5 1/2"	15.5	J-55	STL		5852	5806		90'						

Tubing Data

Component	JTS	Size	Weight	Grade	Conn.	Length	Top	Bottom	Condition	Transferred From	Comments
KB											
Tubing	170	2-7/8"	6.5	J-55	8 RND EUE	5459.6		5459.6'			
Tubing Anchor	1	5 1/2"			8 RND EUE	2.8	5459.6	5462.4'			
Tubing	1	2-7/8"	6.5	J-55	8 RND EUE	32.3	5462.4	5494.67'			
Seating Nipple	1	2-7/8"			8 RND EUE	1.1	5494.7	5495.77'			
Tubing	1	2-7/8"	6.5	J-55	8 RND EUE	33.4	5495.8	5529.19'			
Notched Collar	1	2-7/8"			8 RND EUE	5.2	5529.2	5534.39'			
Seating Nipple	1	2-7/8"			8 RND EUE	0.3	5534.4	5534.69'			
Tubing	3	2-7/8"	6.5	J-55	8 RND EUE	95.0	5534.7	5629.69'			
Notched Collar	1	2-7/8"			8 RND EUE	0.7	5629.7	5630.39'			

Rod Detail Data

Count	Component	Size	Grade	Length	Top	Bottom	Comments
1	Polish Rod	1 1/2"	4140	22		22	
1	Pony Rod	3/4"	Norris 54	8	22	30	
1	Pony Rod	3/4"	Norris 54	4	30	34	
100	Guided Rod	3/4"	Norris 54	2500	34	2534	
73	Guided Rod	3/4"	Norris 54	1825	2534	4359	
40	Guided Rod	3/4"	Norris 54	1000	4359	5359	
6	Sinker Bar	1 1/2"	C(API)	150	5359	5509	

Pump Information

Stroke Length:	0	SPM:	0	Well on Prod Date:		Well on Pump Date:	
Pump Notes:							
Pump Unit Description:							
Motor Size:	0	Motor Description:					

Pump Type	Max ID	Bbl Lng	Ext Lng	Ext Lng 2	Plunger Size	Description
Insert Pump	2.5	10'	14'	0'	1.5	RHAC

psi, 64s, bbls, mcf	TP	CP	Choke	Oil Vol	Oil Rate	Water Vol	Water Rate	Gas Vol	Gas Rate
Daily Total									
Well Total									

Well Costs

Code	Description	Comments	Daily	Cumulative
890128	Hot Oiling Services	BMW Hot Oil	\$1,346.00	\$3,141.00
890139	Labor - Company Supervision	NDSI Supervision Jeremy Silcox	\$150.00	\$450.00
890144	Location Remediation & Maintenance		\$0.00	\$500.00
890150	Rig costs - Dayrate	NC#1	\$3,270.00	\$8,550.00
890157	Survey - Well		\$0.00	\$2,600.00
890162	Transportation - Land	WWS trucking \$100, Zubaite trucking \$500, Runners \$1100	\$1,700.00	\$3,400.00
890304	Completion Fluids	Sheilds trucking 1- Load, 1- Transfer	\$300.00	\$300.00
Total Intangibles:			\$6,766.00	\$18,941.00
Total Tangibles:			\$0.00	\$0.00
Total Daily Costs:			\$6,766.00	\$18,941.00

Day 1

NEWFIELD				Final Daily Workover Report		Well Name:	FEDERAL 3-21-9-16
				LOE		AFE:	
Field:	GMBU CTB5	Rig Name:	Nabors #1460	Report Date:	12/4/2013	Operation:	MIRU
Location:	S21 T9S R16E	Supervisor:	Keith Draper (TL)	Work Performed:	12/3/2013	Day:	1
County:	DUCHESNE	Phone:	435-401-0057	Daily Cost:	\$12,175	Cum DWR:	\$12,175
State:	UT	Email:	kdraper@newfield.com				
Reason for Workover:	Host Well Gyro						

Failures

Failure Date	Failure 1	Failure 2	Failure 3	Failure 4	Failure 5
--------------	-----------	-----------	-----------	-----------	-----------

Summaries

24 Hr. Summary:	MIRU, TOOH W/ PRODUCTION, RUN GYRO					
24 Hr. Plan Forward:	TIH W/ PRODUCTION					
Incidents	None	Newfield Pers:	1	Contract Pers:	7	Conditions:

Activity Summary

6:00 AM - 7:00 AM; 1 Hr(s); P: CREW TRAVEL
7:00 AM - 7:15 AM; 0.2 Hr(s); P: SAFETY MEETING TOPIC RIG UP PULLING AND RUNING RODS RUNING GYRO RIG DOWN
7:15 AM - 10:00 AM; 2.7 Hr(s); P: SPOT IN RIG WAIT FOR AND PLANT 2 DEAD MEN SICP 500 # GROUND TANK AND BLEED OFF PRESSURE
10:00 AM - 12:00 PM; 2 Hr(s); P: POOH W/ RODS FLUSH 1 TIME W/ 15 BBL LD WEIGHT BARS AND PUMP
12:00 PM - 1:00 PM; 1 Hr(s); P: FLUSH TBG W/ 45 BBL RU MULTI SHOT
1:00 PM - 3:00 PM; 2 Hr(s); P: RUN GYRO LOG RD MULTISHOT
3:00 PM - 5:00 PM; 2 Hr(s); P: PU PUMP 6 WEIGHT BARS W/ 6 STABILIZERS RIH W/ 40 3/4" 4 PERS 73 3/4" SLK 100 3/4" 4 PERS 8' 2" PONY RODS PU POLISH ROD AND STACK OUT RODS PICK UP EQUIPMENT DIDNT FIX RAN WHAT WAS PULLED
5:00 PM - 6:00 PM; 1 Hr(s); P: CREW TRAVEL

Casing Data

Type	Size	Weight	Grade	Conn.	Top	Bottom	PBDT	Upd. PBDT	TOC	Burst	Collapse	ID	Drift	Capacity	Comments
Surface	8 5/8"	24	J-55	STC		322									
Production	5 1/2"	15.5	J-55	STL		5852	5806		90'						

Tubing Data

Component	JTS	Size	Weight	Grade	Conn.	Length	Top	Bottom	Condition	Transferred From	Comments
KB											
Tubing	170	2-7/8"	6.5	J-55	8 RND EUE	5459.6		5459.6'			
Tubing Anchor	1	5 1/2"			8 RND EUE	2.8	5459.6	5462.4'			
Tubing	1	2-7/8"	6.5	J-55	8 RND EUE	32.3	5462.4	5494.67'			
Seating Nipple	1	2-7/8"			8 RND EUE	1.1	5494.7	5495.77'			
Tubing	1	2-7/8"	6.5	J-55	8 RND EUE	33.4	5495.8	5529.19'			
Notched Collar	1	2-7/8"			8 RND EUE	5.2	5529.2	5534.39'			
Seating Nipple	1	2-7/8"			8 RND EUE	0.3	5534.4	5534.69'			
Tubing	3	2-7/8"	6.5	J-55	8 RND EUE	95.0	5534.7	5629.69'			
Notched Collar	1	2-7/8"			8 RND EUE	0.7	5629.7	5630.39'			

Rod Detail Data

Count	Component	Size	Grade	Length	Top	Bottom	Comments
1	Polish Rod	1 1/2"	4140	22		22	
1	Pony Rod	3/4"	Norris 54	8	22	30	
1	Pony Rod	3/4"	Norris 54	4	30	34	
100	Guided Rod	3/4"	Norris 54	2500	34	2534	
73	Guided Rod	3/4"	Norris 54	1825	2534	4359	
40	Guided Rod	3/4"	Norris 54	1000	4359	5359	
6	Sinker Bar	1 1/2"	C(API)	150	5359	5509	

Pump Information

Stroke Length:		SPM:		Well on Prod Date:		Well on Pump Date:	
Pump Notes:							
Pump Unit Description:							
Motor Size:		Motor Description:					

Pump Type	Max ID	Bbl Lng	Ext Lng	Ext Lng 2	Plunger Size	Description
Insert Pump	2.5	10'	14'		1.5	RHAC

psi, 64s, bbls, mcf	TP	CP	Choke	Oil Vol	Oil Rate	Water Vol	Water Rate	Gas Vol	Gas Rate
Daily Total									
Well Total									

Well Costs

Code	Description	Comments	Daily	Cumulative
890128	Hot Oiling Services	BMW	\$1,795.00	\$1,795.00
890139	Labor - Company Supervision	KEITH DRAPER	\$300.00	\$300.00
890144	Location Remediation & Maintenance	MS (100) BENCO (400)	\$500.00	\$500.00
890150	Rig costs - Dayrate	NABORS	\$5,280.00	\$5,280.00
890157	Survey - Well	MS (GYRO)	\$2,600.00	\$2,600.00
890162	Transportation - Land	RUNNERS (1500) SHIELDS (200)	\$1,700.00	\$1,700.00
Total Intangibles:			\$12,175.00	\$12,175.00
Total Tangibles:			\$0.00	\$0.00
Total Daily Costs:			\$12,175.00	\$12,175.00

NEWFIELD				Perforation Report				Well Name: FEDERAL 3-21-9-16				
				LOE				Report Date: 2/11/2014				
Field: GMBU CTB5		Rig Name: Rigless		Operation: Conversion MIT		Day: 5						
Location: S21 T9S R16E		Supervisor: Rusty Bird		Work Performed: 2/7/2014		AFE No.:						
County: DUCHESNE		Phone: 435-823-7388		State: UT		Email: rustybird@newfield.com		Daily Cost: \$32,212				
Stage	Date	Bore Type	Formation	Zone	Top Depth (ft)	Bottom Depth (ft)	SPF	Shots	Phase (dcb)	Gun Type	Charges	Comments
0	12/19/2008	Vertical	Green River	B2	4876	4881	4	20				
0	12/19/2008	Vertical	Green River	A1	4984	5002	4	72				
0	12/19/2008	Vertical	Green River	LODC	5194	5205	4	44				
0	12/19/2008	Vertical	Green River	LODC	5212	5232	4	80				
0	12/19/2008	Vertical	Green River	CP1	5500	5523	4	92				
0	12/19/2008	Vertical	Green River	CP4	5742	5755	4	52				



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

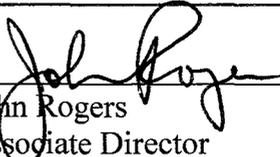
Cause No. UIC-415

Operator: Newfield Production Company
Well: Federal 3-21-9-16
Location: Section 21, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33019
Well Type: Enhanced Recovery (waterflood)

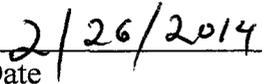
Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on January 15, 2014.
2. Maximum Allowable Injection Pressure: 1,678 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,911' – 5,806')
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

Date



JR/MLR/js

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

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





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

January 15, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 3-21-9-16, Section 21, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33019

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 3,911 feet in the Federal 3-21-9-16 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,

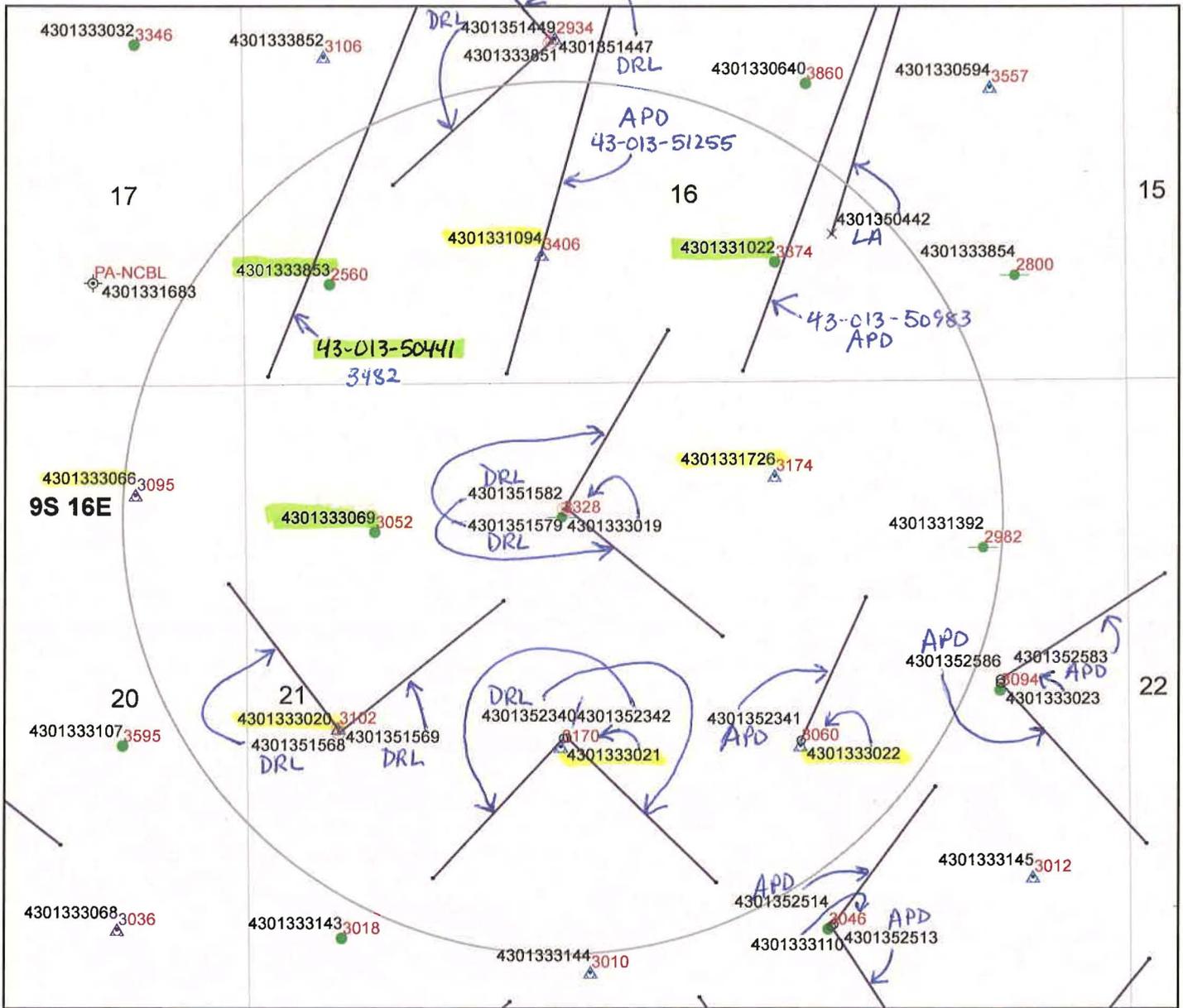
John Rogers
Associate Director

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
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊗ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊗ WDW-Water Disposal Well
- ▲ WWW-Water Injection Well
- WSW-Water Supply Well

**Cement Bond Tops
Federal 3-21-9-16
API #43-013-33019
UIC-415.13**



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

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

Applicant: Newfield Production Company **Well:** Federal 3-21-9-16

Location: 21/9S/16E **API:** 43-013-33019

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 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,853 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,328 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,826 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface location, there are 3 producing wells, 6 injection wells, and 2 shut-in wells (including the proposed injection well) in the AOR. In addition, there is 1 horizontal producing well, with a surface location outside the AOR and a bottom hole location inside the AOR. There is currently 1 directional well being drilled from a surface locations outside the AOR to a bottom hole location inside the AOR. 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 3,911 feet and 5,806 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 3-21-9-16 well is 0.78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,678 psig. The requested maximum pressure is 1,678 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 3-21-9-16

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: 1/10/2014

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

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

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, DUCHESS COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

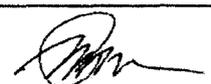
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the 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

DIV. OF OIL, GAS & MINING AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I.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 LAKE CITY, UTAH. NOTICE IS ALSO POSTED ON UTAHLEGAL.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGAL.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104

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

SIGNATURE 

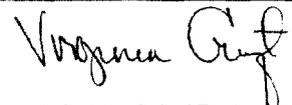
DATE 12/13/2013

Dated this 11th day of December, 2013.

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

923758 UPAXIP

 VIRGINIA CRAFT
 Notary Public State of Utah
 Commission # 581489
 My Commission Expires
 January 12, 2014


 NOTARY SIGNATURE

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

2210/REB/6131

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.



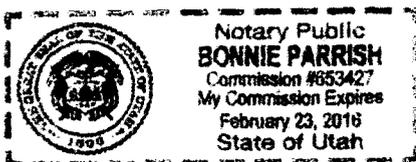
Publisher

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.

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,

Continued on next page

Continued from previous page

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,

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, GAS & MINING /s/ Brad Hill Permitting Manager Published in the Uintah Basin Standard December 17, 2013.

RECEIVED

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.

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

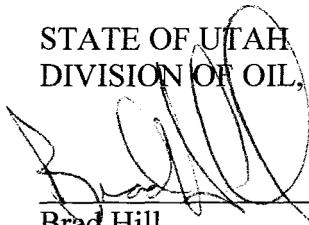
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

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

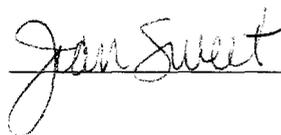
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

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
E-Mail	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$478.76			
Payment Amt	\$0.00			
Amount Due	\$478.76	Tear Sheets	Proofs	Affidavits
		0	0	1
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

November 27, 2013

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

RECEIVED

DEC 03 2013

DIV. OF OIL, GAS & MINING

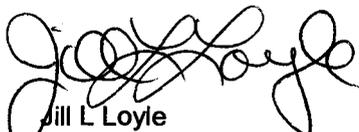
RE: Permit Application for Water Injection Well
Federal #3-21-9-16
Monument Butte Field, Lease #UTU-64379
Section 21-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #3-21-9-16 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

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #3-21-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-64379
NOVEMBER 27, 2013

TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – FEDERAL #3-21-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – FEDERAL #1-20-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – FEDERAL #4-21-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – FEDERAL #5-21-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – FEDERAL #6-21-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – FEDERAL #7-21-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – MONUMENT FEDERAL #31-21-9-16Y
ATTACHMENT E-7	WELLBORE DIAGRAM – BALCRON FEDERAL #41-21Y-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – STATE 16-1-O-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – STATE 16-2N-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – STATE 13-16-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – GMBU #3-16-9-16H
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 11/28/2006 – 12/8/2006
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

Federal 3-21-9-16

Spud Date: 10-24-06
Put on Production: 12-7-06

GL: 5975' KB: 5987'

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" cmt, est 2 bbls cmt to surf.

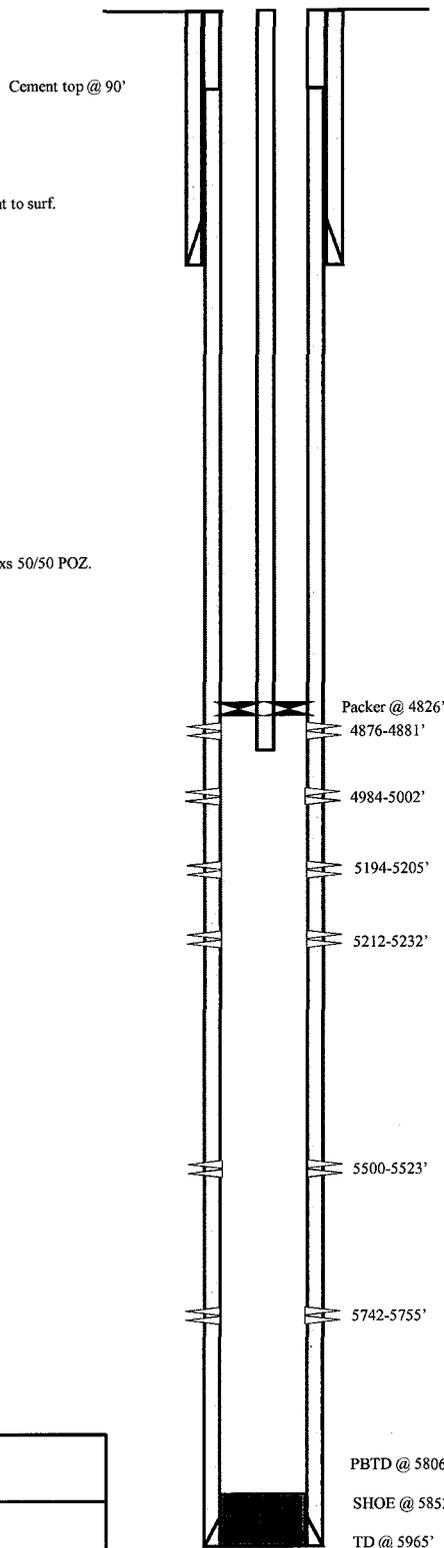
PRODUCTION CASING

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'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 170 jts (5464.16')
TUBING ANCHOR: 5476.16' KB
NO. OF JOINTS: 1 jts (31.59')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5510.55' KB
NO. OF JOINTS: 1 jts (33.42')
NO. OF JOINTS: 3jts (95.00)
TOTAL STRING LENGTH: EOT @ 5646.27' KB

Proposed Injection Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

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

 <p>NEWFIELD</p>
<p>Federal 3-21-9-16</p> <p>774' FNL & 1909' FWL</p> <p>NE/NW Section 21-T9S-R16E</p> <p>Duchesne Co, Utah</p> <p>API # 43-013-33019; Lease # UTU-64379</p>

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 #3-21-9-16 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 #3-21-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3911' - 5806'). 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 3592' 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 #3-21-9-16 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 323' KB, and 5-1/2", 15.5# casing run from surface to 5853' 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 1678 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 #3-21-9-16, for existing perforations (4876' - 5755') calculates at 0.78 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 1678 psig. We may add additional perforations between 3592' 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 #3-21-9-16, the proposed injection zone (3911' - 5806') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-11.

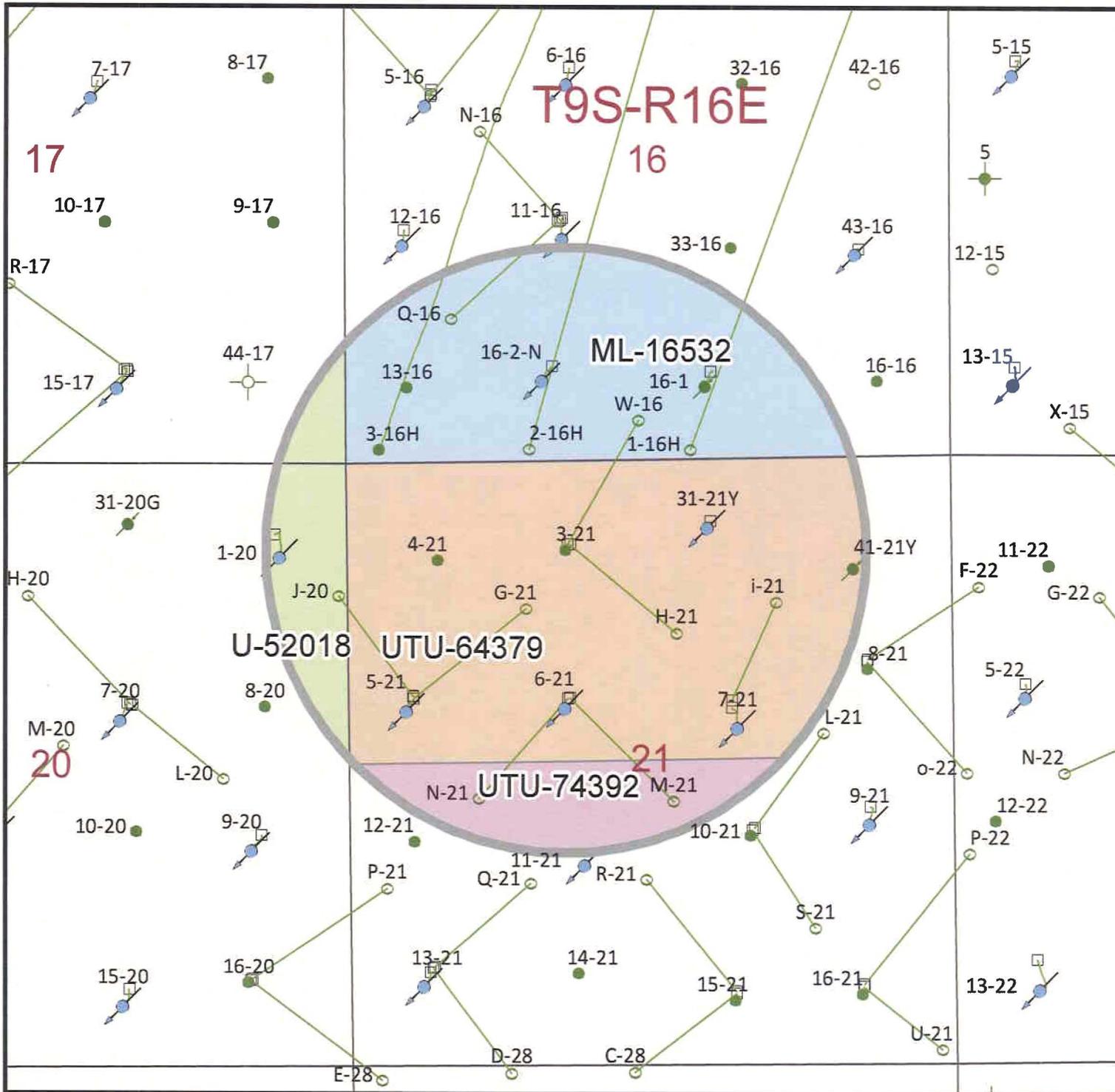
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure 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-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 3-21-9-16
Section 21, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS¹ in = 1,250 feet

1/2 Mile Radius Map

Duchesne County

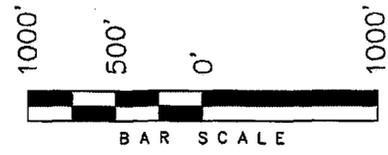
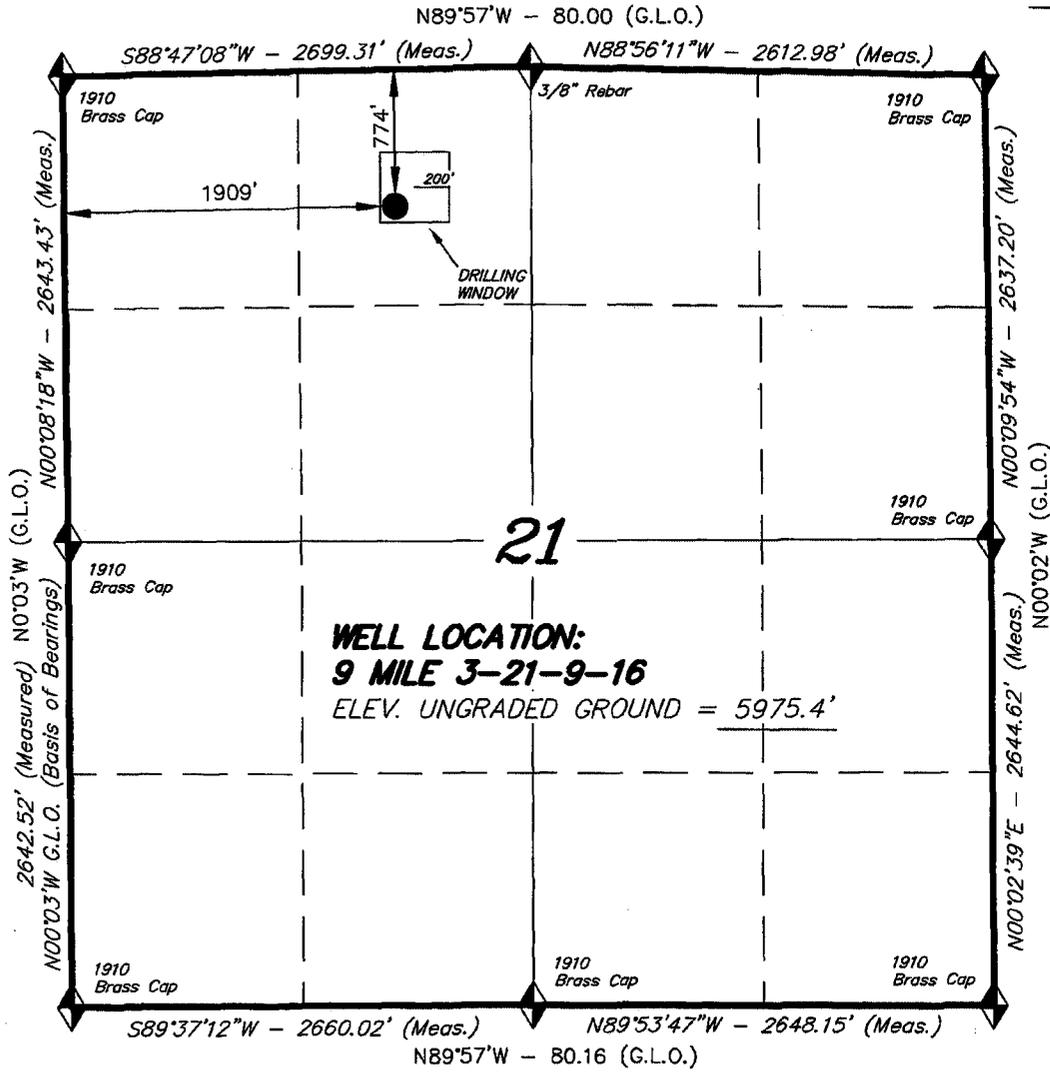
1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 899-0102

Nov. 6, 2013

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

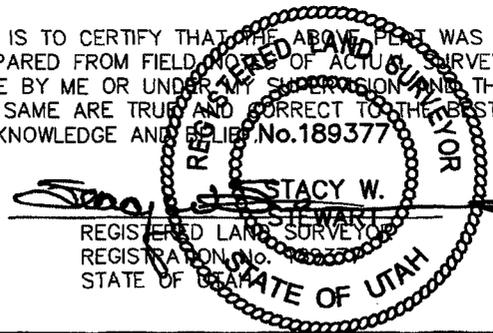
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 3-21-9-16,
 LOCATED AS SHOWN IN THE NE 1/4 NW
 1/4 OF SECTION 21, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



WELL LOCATION:
9 MILE 3-21-9-16
 ELEV. UNGRADED GROUND = 5975.4'

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 3-21-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 17.92"
 LONGITUDE = 110° 07' 37.16"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 12-6-05	SURVEYED BY: K.G.S.
DATE DRAWN: 12-11-05	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 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

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #3-21-9-16

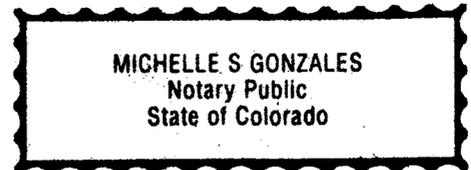
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

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

Sworn to and subscribed before me this 27th day of November, 2013.

Notary Public in and for the State of Colorado: Michelle S. Gonzales

My Commission Expires: 11/08/2014



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

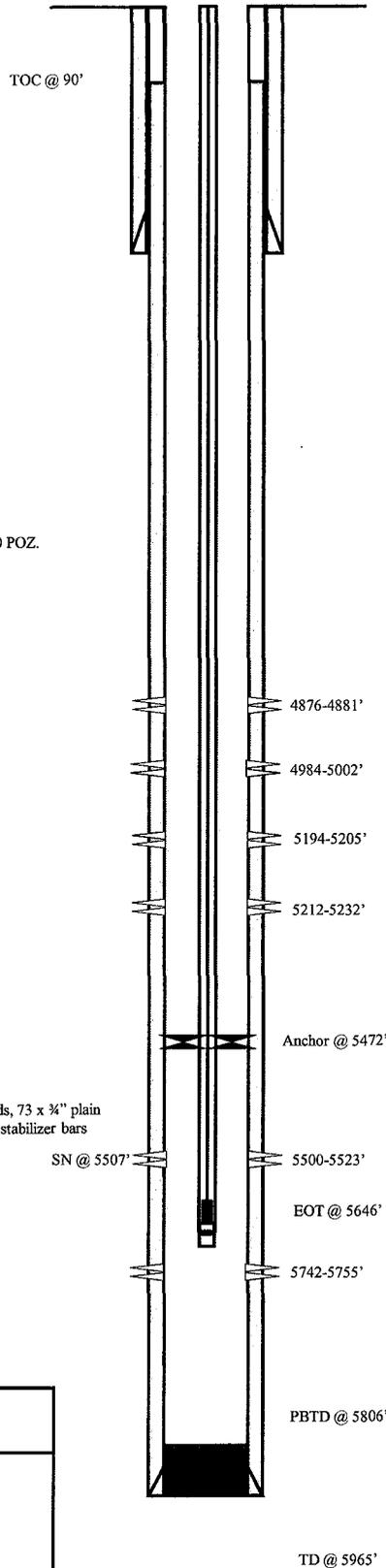
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5839.32')
 DEPTH LANDED: 5852.57' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 90' per CBL 11/27/06

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

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

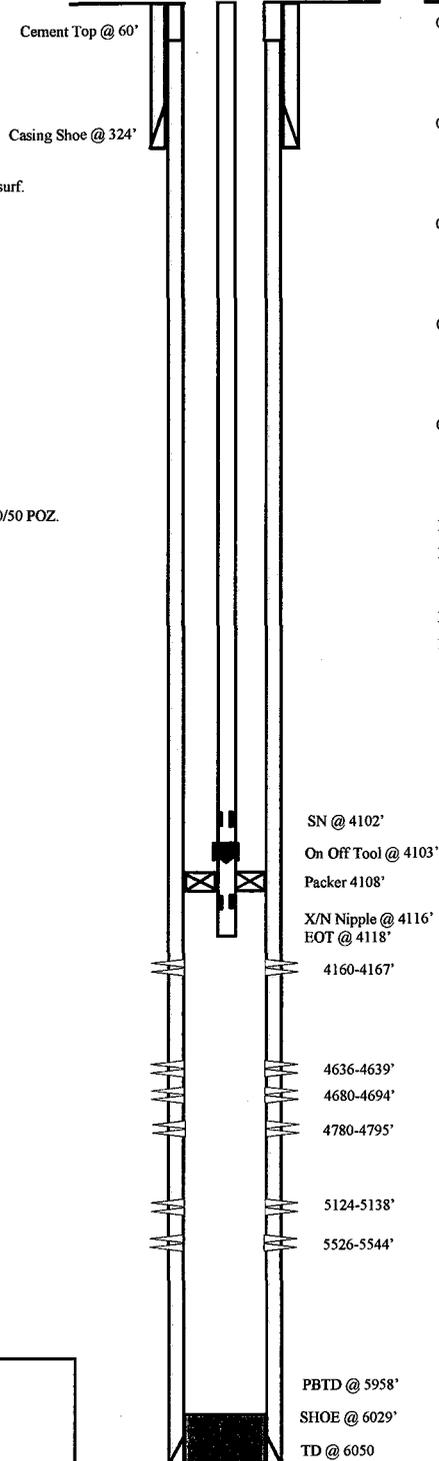
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6015.83')
 DEPTH LANDED: 6029.08' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP: 60'

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 CPI 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	56holes
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

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')
 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

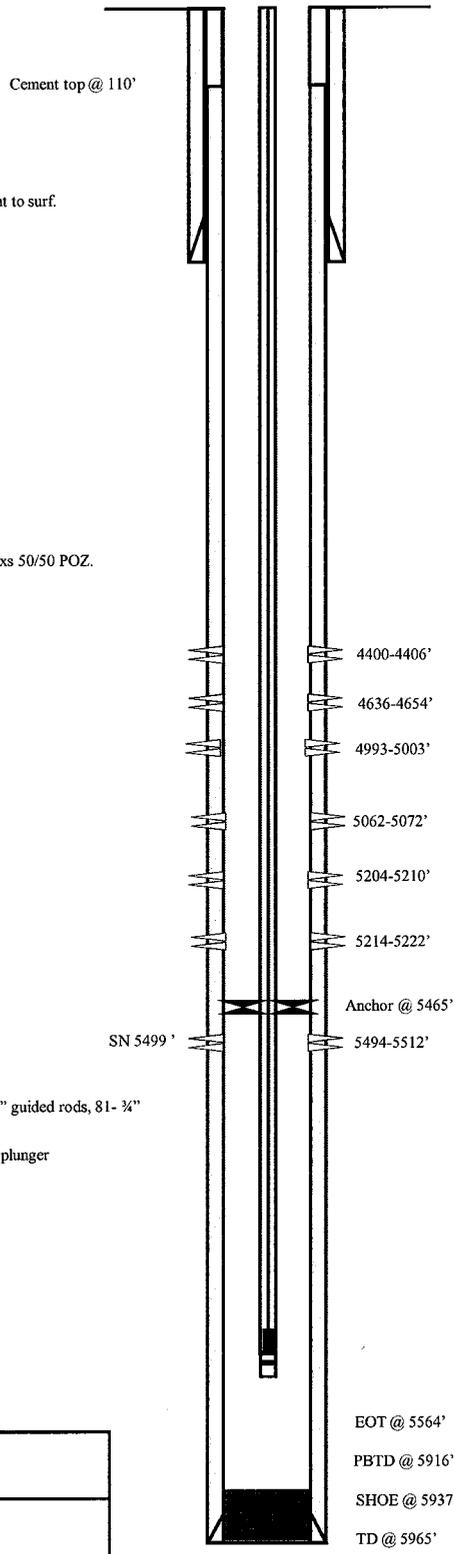
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5924.58')
 DEPTH LANDED: 5937.83' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ.
 CEMENT TOP AT: 110'

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

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: 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

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.

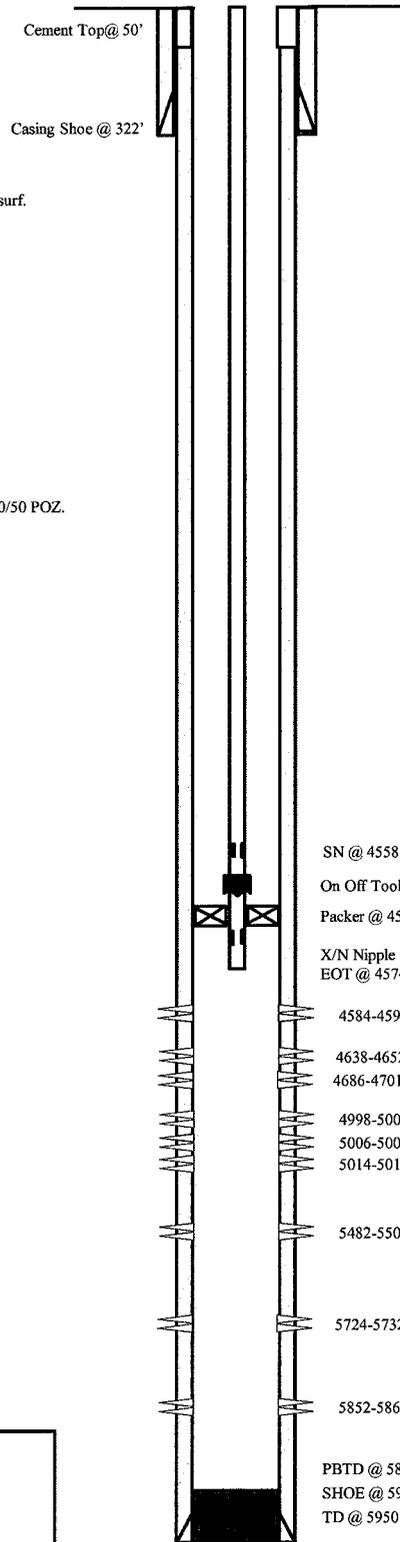
9/7/2010 **Pump change.** Updated rod and tubing detail.

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	Depth Range	Tool	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



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

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

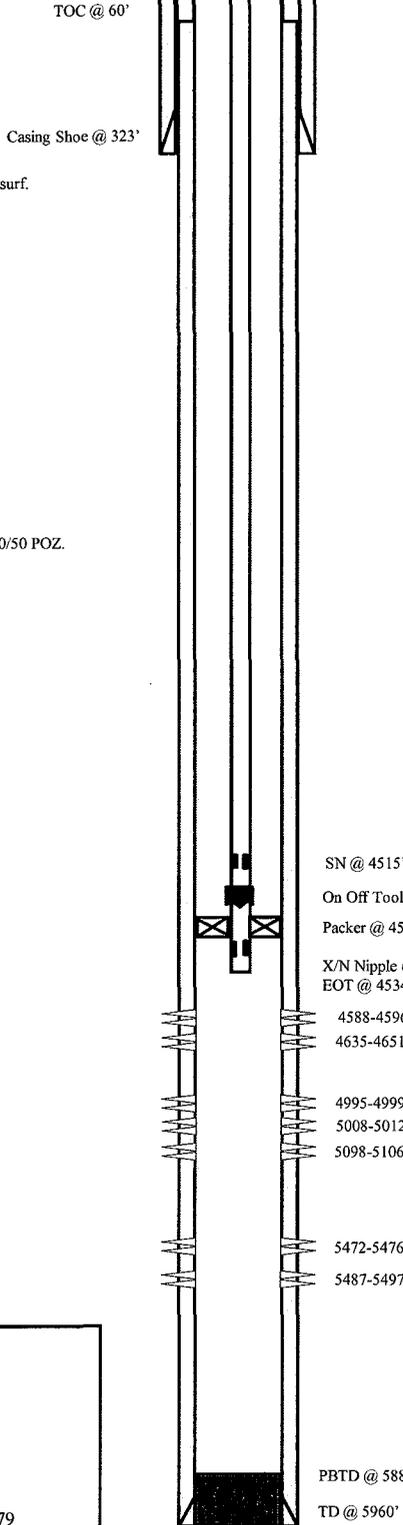
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.77')
 DEPTH LANDED: 322.62' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

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 CP1 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 7-21-9-16

Spud Date: 4-27-07
 Put on Production: 7-19-07
 GL: 6006' KB: 6018'

Injection Wellbore Diagram

SURFACE CASING

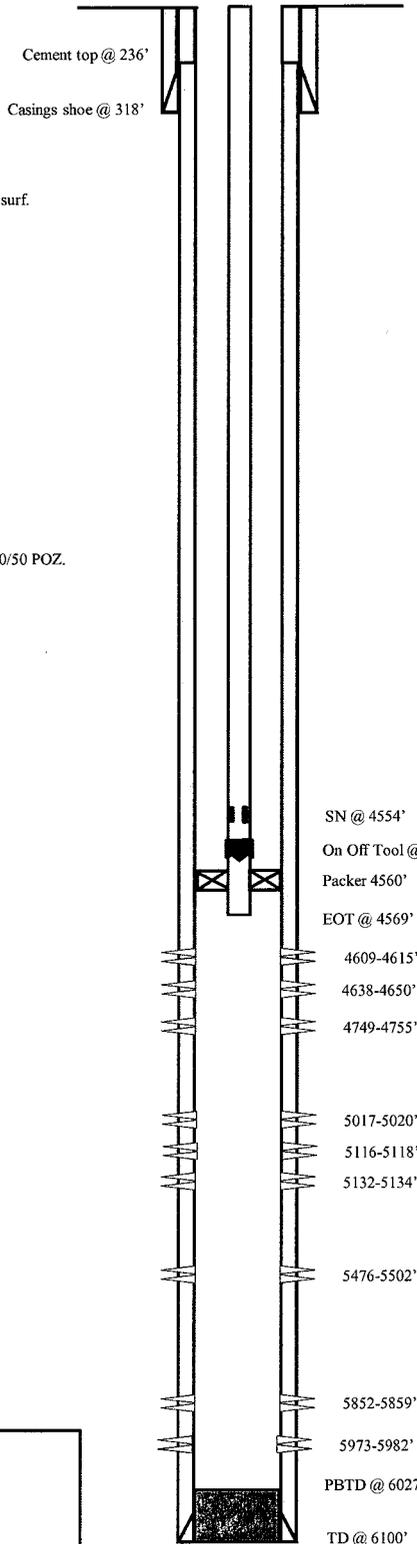
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (306.20')
 DEPTH LANDED: 318.05' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6095.73')
 DEPTH LANDED: 6094.98' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 236'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 145 jts (4541.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4553.8'
 ON/OFF TOOL AT: 4554.9'
 ARROW #1 PACKER CE AT: 4559.85'
 XO 2-3/8 x 2-7/8 J-55 AT: 4563.6'
 TBG PUP 2-3/8 J-55 AT: 4564.1'
 TOTAL STRING LENGTH: EOT @ 4569'



FRAC JOB

07-11-07	5973-5982'	Frac BSC sands as follows: 40929# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated @ avg press of 2699 psi w/avg rate of 24.8 BPM. ISIP 3967 psi. Calc flush: 5971 gal. Actual flush: 2129 gal.
07-16-07	5852-5859'	Frac BSC sands as follows: 15775# 20/40 sand in 299 bbls Lightning 17 frac fluid. Treated @ avg press of 2760 psi w/avg rate of 22.3 BPM. ISIP 2583 psi. Calc flush: 5850 gal. Actual flush: 5376 gal.
07-16-07	5476-5502'	Frac CP1 sands as follows: 116102# 20/40 sand in 859 bbls Lightning 17 frac fluid. Treated @ avg press of 1840 psi w/avg rate of 24.4 BPM. ISIP 2275 psi. Calc flush: 5474 gal. Actual flush: 4956 gal.
07-16-07	4749-4755'	Frac C sand as follows: 24885# 20/40 sand in 348 bbls Lightning 17 frac fluid. Treated @ avg press of 2138 w/ avg rate of 2448 BPM. ISIP 1780 psi. Calc flush: 4747 gal. Actual flush: 4284 gal.
07-16-07	4609-4650'	Frac D1 & D2 sand as follows: 53260# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2082 w/ avg rate of 24.5 BPM. ISIP 1820 psi. Calc flush: 4691 gal. Actual flush: 4494 gal.
11-26-07		Pump Change. Updated rod & tubing details.
10/30/09		Pump Change. Updated rod & tubing details.
8/16/11		Parted Rods. Updated rod & tubing details.
09/24/12	5116 - 5134'	Frac LODC sand as follows: 23425# 20/40 sand in 360bbls Lightning 17 frac fluid
09/24/12	5017 - 5020'	Frac A3 sand as follows: 18616# 20/40 sand in 269bbls Lightning 17 frac fluid
09/25/12		Convert to Injection Well
09/27/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

07-05-07	5973-5982'	4 JSPF	36 holes
07-16-07	5852-5859'	4 JSPF	28 holes
07-16-07	5476-5502'	4 JSPF	104 holes
07-16-07	4749-4755'	4 JSPF	24 holes
07-16-07	4638-4650'	4 JSPF	48 holes
07-16-07	4609-4615'	4 JSPF	24 holes
09/20/12	5132-5134'	3 JSPF	6 holes
09/20/12	5116-5118'	3 JSPF	6 holes
09/20/12	5017-5020'	3 JSPF	9 holes



Federal 7-21-9-16
 2172' FNL & 1967' FEL
 SW/NE Section 21-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33022; Lease # UTU-64379

Monument Federal 31-21-9-16Y

Put on Production: 3-1-97

Injection Wellbore Diagram

SURFACE CASING

Surface Casing 0' 260' 8 5/8" 24 355

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" 15.50 355

205 sacks 28:72 Poz. (28% POZ: 72% Class "C") with 10% Gel, 6.0 lbs/sk KOL SEAL & 1/4 pps Cello Flake. (Wt.=11.09 ppg, Yd.=3.30 Cu.Ft/Sk Comp. Strght @ 72 Hrs=575) Tailed with 400 sacks 50:50 POZ (50% POZ: 50% Class "G") with 2% Gel, 0.3% FL-52, 1/4 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'

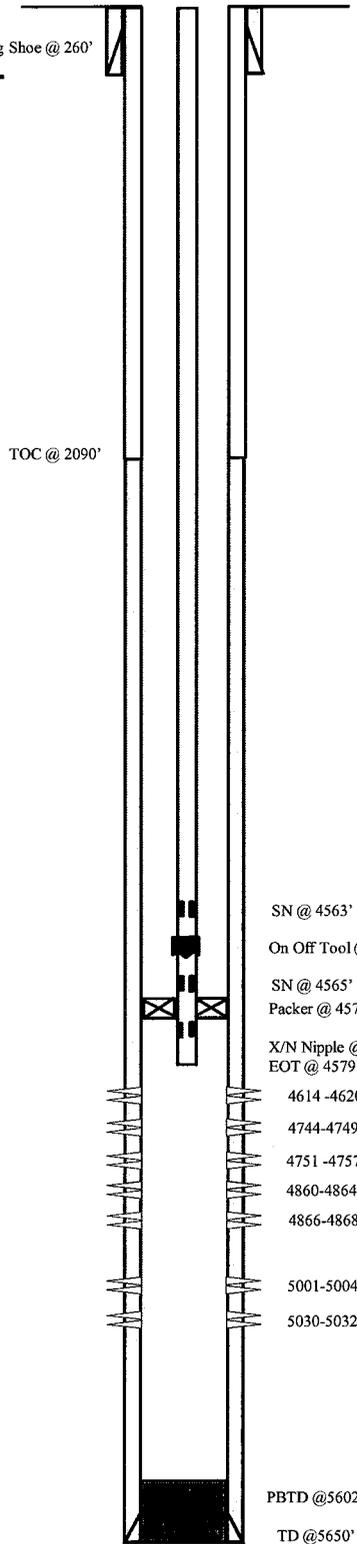
TBG PUP 2-3/8 J-55 AT: 4573.2'

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 1,848 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

Balcron Federal #41-21y

Wellbore Diagram

Elev.GR - 5953.5' GL
Elev.KB - 5966' (13' KB)

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 250'
DEPTH LANDED: 258' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 15 sks class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6004.02'
DEPTH LANDED: 5999' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 165 sks thrifty lite. Tailed
w/ 275 sks 50-50 POZ.

CEMENT TOP AT: 2980' KB

TUBING

SIZE/GRADE/WT.: 2-7/8' 8rd EUE / J-55 / 6.5#
NO. OF JOINTS: 144 Jts
TUBING ANCHOR: 2-7/8"x5-1/2"
NO. OF JOINTS: 21 Jts
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x3.20'
MUD ANCHOR: 2-7/8"x31.82'
STRING LENGTH:
SN LANDED AT:

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS:
2-3/4"x4' Pony
1-3/4"x8' Pony
195-3/4"x25' Plain
6-1"x25' EL w/2.5 guides
TOTAL STRING LENGTH: 5061'
PUMP NUMBER: Trico #1193
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC
STROKE LENGTH: 58 inches
PUMP SPEED, SPM: 6.5 SPM
PUMPING UNIT SIZE:
PUMPING UNIT:
PRIME MOVER:

ACID JOB /BREAKDOWN

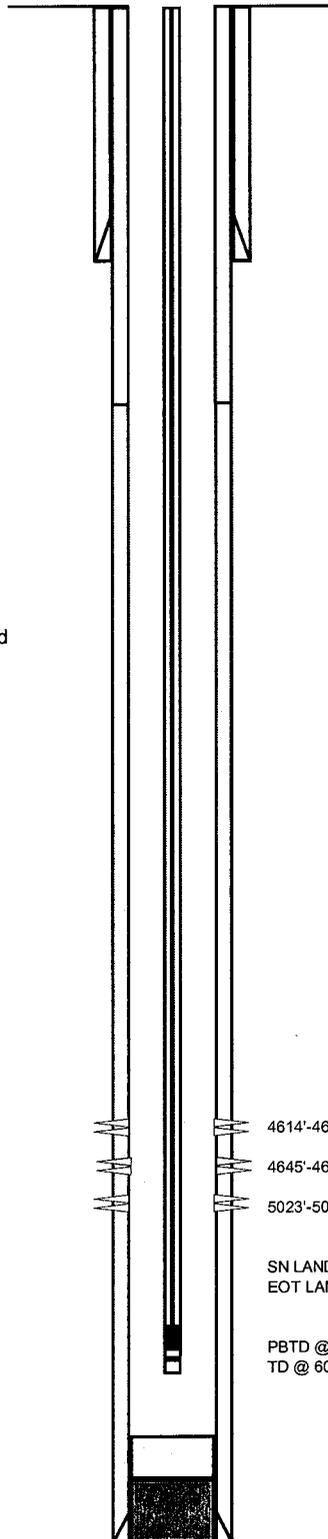
8/24/93	5023'-5036'	Halliburton: ATP=2500 psi, ATR=2.5 bpm, ISIP=1950 psi.
8/28/96	4645'-4650' 4614'-4624'	Halliburton: ATR=6.5 bpm, ATP=2650 psi.

FRAC JOB

8/25/93	5023'-5036'	No vols or quantities in report. Max. Rate=36 bpm, max. Press.=3200 psi, ATP=2470 psi, ISIP=2084 psi, 5 min=1770 psi, 10 min=1723 psi, 15 min=1672 psi.
8/28/96	4645'-4650' 4614'-4624'	Halliburton: No vols or quantities in report. Max. Rate=35 bpm, ISIP=1972 psi, 5 min=1791 psi, 10 min=1679 psi, 15 min=1607 psi.

PERFORATION RECORD

8/23/93	Cutter	5023'-5036'	2 SPF
8/27/93	Schlumberger	4645'-4650' 4614'-4624'	1 SPF 1 SPF



SN LANDED @5061' KB
EOT LANDED @ 5098' KB

PBTD @ 5950' KB
TD @ 6000' ' KB

NEWFIELD



Balcron Federal #41-21y

Monument Butte

Lease #U-64379

NE NE Section 21, T9S, R16E

970.2' FNL, 893.8 FEL

Duchesne County, Utah

API # 43-013-31392

State 16-1-O

Spud Date: 01/04/85
 Put on Production: 03/23/85
 GL: 5927' KB: 5941'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: ?
 WEIGHT: 24#
 LENGTH: 250'
 DEPTH LANDED: 250' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 250 sxs Class "G"

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 148 jnts
 DEPTH LANDED: 5646'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sxs High Left & 485 sxs Class "G"
 CEMENT TOP AT: <1000' per CBL 3/5/85

TUBING (GI 11/7/11)

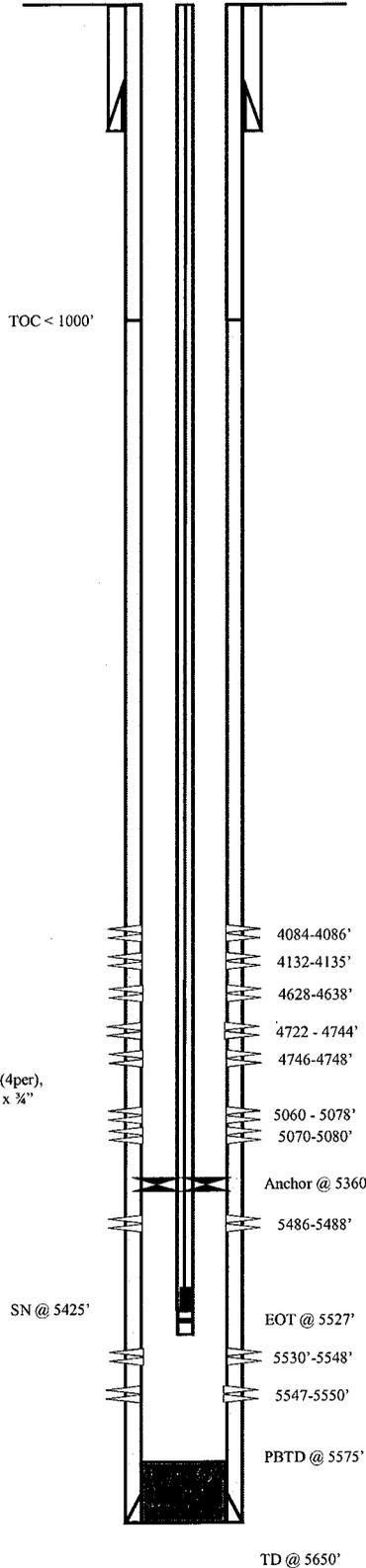
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 170 jts (5343.80')
 TUBING ANCHOR: 5359.8'
 NO. OF JOINTS: 2 jts (61.22')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5424.82'
 NO. OF JOINTS: 1 (31.57')
 GAS ANCHOR: 2-7/8" (5.33')
 NO OF JOINTS: 2 (63.89')
 PBGA: 0.74'
 TOTAL STRING LENGTH: EOT @ 5527.45'

SUCKER RODS (GI 12/15/11)

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 2', 4', 4', 8 x 7/8" pony rods, 10 x 7/8" guided rods(4per), 123 x 3/4" sucker rods, 15 x 3/4" guided rods, 21 x 3/4" sucker rods, 39 x 3/4" guided rods(4per), 5 x 1" stabilizer bars, 5 x 1-1/2" sinker bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20' RHAC
 STROKE LENGTH: 84"
 PUMP SPEED, SPM: 4
 PUMPING UNIT: LUFKIN C-320-250-84

FRAC JOB

3/9/85	5530-5548'	Frac'd with: 80000# 20/40 sand in 761 bbls gelled water
3/13/85	5060-5078'	Frac'd with: 50000# 20/40 sand in gelled water
3/16/85	4722-4744'	Frac'd with: 50000# 20/40 sand in 481 bbls gelled water
11/14/11	5486-5550'	Frac'd CP1 sands with: 38960# 20/40 sand in 312 bbls Lightning 17
11/19/11	5070-5080'	Frac'd A1 sands with: 48942# 20/40 sand in 392 bbls Lightning 17
11/19/11	4746-4748'	Frac'd D3 sands with: 34173# 20/40 sand in 283 bbls Lightning 17
11/21/11	4628-4638'	Frac'd D1 sands with: 34603# 20/40 sand in 283 bbls Lightning 17
11/21/11	4084-4135'	Frac'd GB4&GB6 sands with: 30474# 20/40 sand in 247 bbls Lightning 17



PERFORATION RECORD

5530-5548'	4 JSPF	72 Holes
5060-5078'	4 JSPF	72 Holes
4722-4744'	4 JSPF	88 Holes
5547-5550'	3 JSPF	9 Holes
5486-5488'	3 JSPF	6 Holes
5070-5080'	3 JSPF	30 Holes
4746-4748'	3 JSPF	6 Holes
4628-4638'	3 JSPF	30 Holes
4132-4135'	3 JSPF	9 Holes
4084-4086'	3 JSPF	6 Holes

NEWFIELD

State 16-1-O
 755' FSL & 2110' FEL
 SW/SE Section 16-T9S-R16E
 Duchesne County, Utah
 API #43-013-31022; Lease #ML-16532

State 16-2N-9-16

Spud Date: 10-4-85

Put on Production: 11-15-85

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

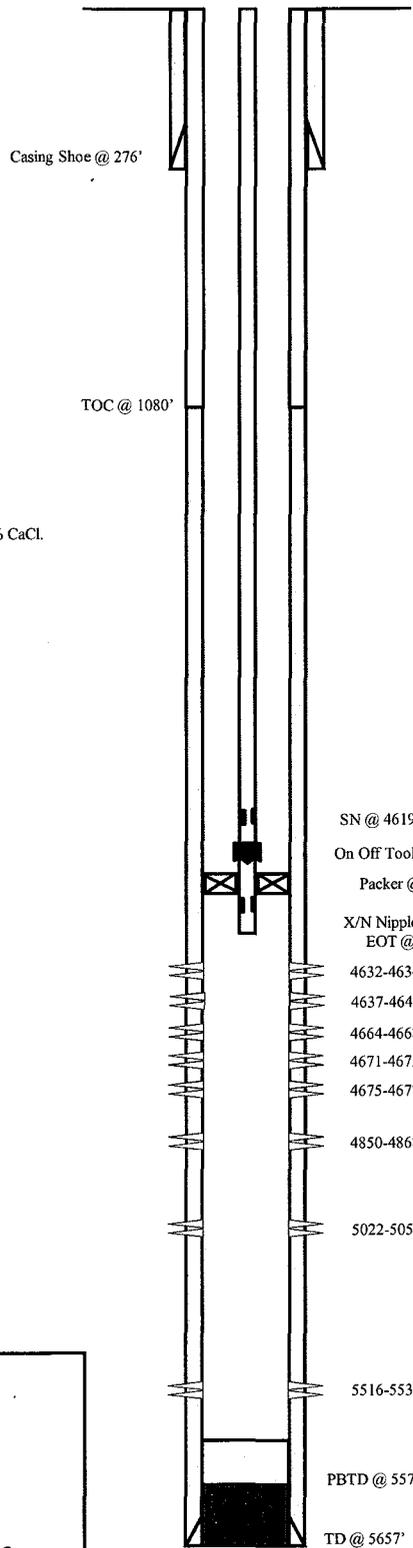
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 DEPTH LANDED: 5631'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 200 SXS "HI-fill" & 400 sxs "G" + 2% CaCl.
 TOP OF CEMENT: 1080'

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 bbbls 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'	2JSPF	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



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

State 13-16-9-16

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

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

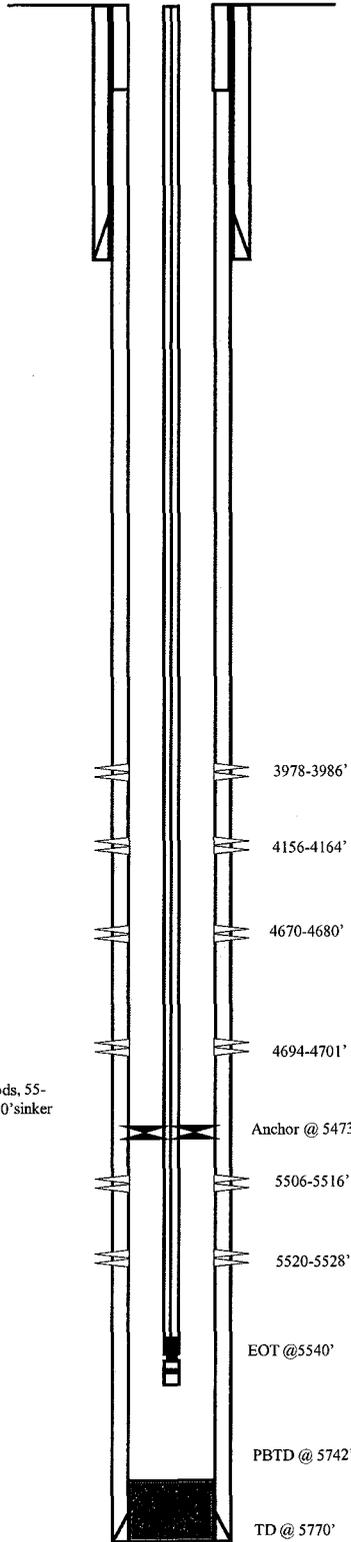
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 126 jts. (5750.14') Includes Shoe Jt. (20.14')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5763.29' KB
 CEMENT DATA: 275 sxs Premlite II and 400 sxs 50/50 Poz
 CEMENT TOP AT: 46'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 177 jts. (5460.9')
 TUBING ANCHOR: 5472.9'
 NO. OF JOINTS: 1jt (31.70')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5507.1'KB
 NO. OF JOINTS: 1 jts. (31.10')
 TOTAL STRING LENGTH: EOT @ 5540

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod
 SUCKER RODS: 1 x 3/4" = 2' pony rods, 113-3/4" = 2825' guided rods, 55-3/4" = 1375' sucker rods, 41-3/4" = 1025' guided rods, 6-1 1/2" = 150' sinker bars
 PUMP SIZE: CDI 2-1/2" x 1-1/4" x 12' x 16' RHAC pump
 STROKE LENGTH: 100"
 PUMP SPEED, SPM: 4



FRAC JOB

06-06-08 5506-5616' **Frac CP1 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 4670-4680' **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.

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

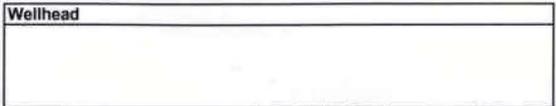
State 13-16-9-16
 652' FSL & 524' FWL (SW/SW)
 Section 16, T9S, R16E
 Duchesne County, Utah
 API #43-013-33853; Lease # Utah State ML-16532

GMB 3-16-9-16H

Wellbore Diagram NEWFIELD



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	bbf/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"	Surface
					TVD	6,011	burst & collapse values are book no additional safety factors have been applied						

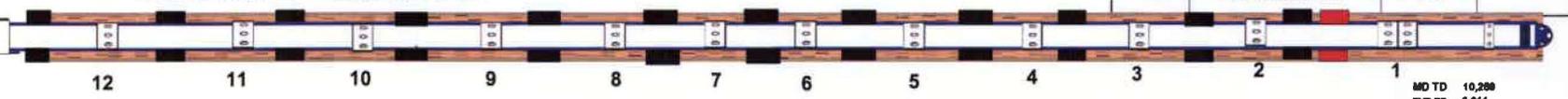
Tubing Detail	Size	Wt.	Grade	Conn.	Length	Top	Bottom	Joints
TBG DETAIL: sand drain valve, 3 Jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub, 1 Jt 2 7/8" tbg., SN, 1 Jt 2 7/8" tbg. 5 1/2" TAC, 187 Jts 2 7/8" tbg and tbg hanger TA @ 5,870'. SN @ 5,870'. EOT @ 6,052' NOTE : on Tubing Anchor TA (shortened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

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

Pump and Rod Detail:	Size	Grade	Count	Length	Top	Bottom
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 28' 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								Prop type/ size				
Toe Section	10,249	10,249	Packers Plus 4-1/2" Toe Circulating Sub w/ 1 000" Seat for 1,260" SF2 High Pressure Ball (Actuated at 1,000 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 (bbl) 204.33	Actual Vol. (bbl) NA	Difference (bbl) NA	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	0 0	1,903	
Mechanical Packer 1	10,002	10,007	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	34,144 30,760	2,342		
Stage 2	9,682	10,002	FracPort 2:	Depth 9,841	Ball OD (in.) 2.125	Seat ID (in.) 2.000	Vol. to Seat (bbl) 199.38	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	36,289 18,835	2,776	
Mechanical Packer 2	9,677	9,682	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	36,289 18,835	2,776		
Stage 3	9,914	9,677	FracPort 3:	Depth 9,517	Ball OD (in.) 2.250	Seat ID (in.) 2.125	Vol. to Seat (bbl) 194.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	7,548 0	2,716	
Mechanical Packer 3	9,354	9,359	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	26,177 35,211	4,118		
Stage 4	9,035	9,354	FracPort 4:	Depth 8,193	Ball OD (in.) 2.250	Seat ID (in.) 2.375	Vol. to Seat (bbl) 189.36	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	37,277 30,591	3,907	
Mechanical Packer 4	9,030	9,035	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	37,277 30,591	3,907		
Stage 5	8,710	9,030	FracPort 5:	Depth 8,889	Ball OD (in.) 2.500	Seat ID (in.) 2.375	Vol. to Seat (bbl) 184.35	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	32,229 21,643	2,784	
Mechanical Packer 5	8,705	8,710	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	32,229 21,643	2,784		
Stage 6	8,386	8,705	FracPort 6:	Depth 8,544	Ball OD (in.) 2.625	Seat ID (in.) 2.500	Vol. to Seat (bbl) 179.32	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	35,078 30,420	3,706	
Mechanical Packer 6	8,381	8,386	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	35,078 30,420	3,706		
Stage 7	8,066	8,381	FracPort 7:	Depth 8,229	Ball OD (in.) 2.750	Seat ID (in.) 2.625	Vol. to Seat (bbl) 174.30	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	30,308 14,314	3,777	
Mechanical Packer 7	8,061	8,066	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	30,308 14,314	3,777		
Stage 8	7,743	8,061	FracPort 8:	Depth 7,901	Ball OD (in.) 2.875	Seat ID (in.) 2.750	Vol. to Seat (bbl) 169.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	25,605 3,487	1,869	
Mechanical Packer 8	7,738	7,743	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	25,605 3,487	1,869		
Stage 9	7,418	7,738	FracPort 9:	Depth 7,577	Ball OD (in.) 3.000	Seat ID (in.) 2.875	Vol. to Seat (bbl) 164.35	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	37,854 38,849	2,604	
Mechanical Packer 9	7,413	7,418	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	37,854 38,849	2,604		
Stage 10	6,768	7,413	FracPort 10:	Depth 7,252	Ball OD (in.) 3.125	Seat ID (in.) 3.000	Vol. to Seat (bbl) 159.32	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand	31,284 21,198	2,755	
Mechanical Packer 10	7,085	7,093	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand 30/50 mesh sand	31,284 21,198	2,755		
Stage 11	6,768	7,088	FracPort 11:	Depth 6,927	Ball OD (in.) 3.250	Seat ID (in.) 3.125	Vol. to Seat (bbl) 154.29	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)	100 mesh sand 30/50 mesh sand			
Mechanical Packer 11	6,763	6,768	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)											
Stage 12	6,445	6,763	FracPort 11:	Depth 6,601	Ball OD (in.) 3.375	Seat ID (in.) 3.250	Vol. to Seat (bbl) 154.29	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (ΔP)				
Mechanical Packer 12	6,438	6,445	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)											
OH Anchor/Packer	5,451	5,456	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	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)									(bbl)		
Lat Length	3,804												Sand Total	100 mesh sand 335,921
Total Stim. Lateral	3,804												30/50 mesh sand 244,368	
Avg. Stage Length	317 *between packers												# sand per foot of lateral 153	

LP-LR 20 6,983



MD TD 10,200
TVD TD 6,011

ATTACHMENT E-11

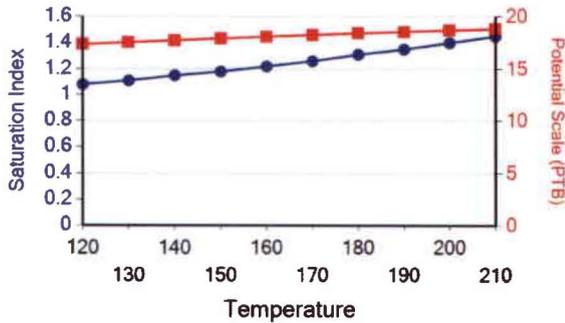
Water Analysis Report

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	1.75	0.33	0.00	0.00	5.00	19.03	2.26	10.18	12.25	14.31
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.33	0.00	0.00	4.59	18.29	2.02	9.66	11.97	14.30
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.33	0.00	0.00	4.18	17.42	1.78	9.01	11.69	14.30
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.33	0.00	0.00	3.77	16.39	1.54	8.24	11.41	14.30
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.32	0.00	0.00	3.35	15.20	1.30	7.35	11.12	14.30
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.32	0.00	0.00	2.93	13.85	1.06	6.32	10.84	14.29
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.32	0.00	0.00	2.50	12.33	0.82	5.18	10.56	14.29
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.31	0.00	0.00	2.07	10.66	0.58	3.93	10.29	14.28
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.30	0.00	0.00	1.65	8.82	0.34	2.58	10.02	14.28
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.29	0.00	0.00	1.22	6.84	0.11	1.14	9.75	14.27

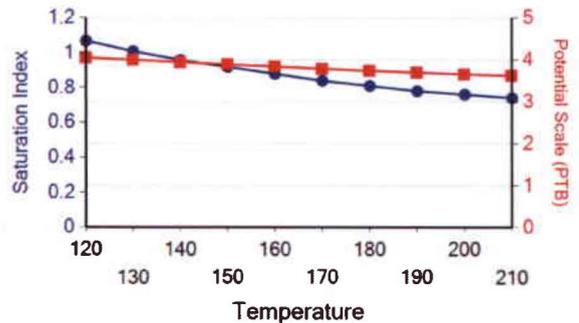
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

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

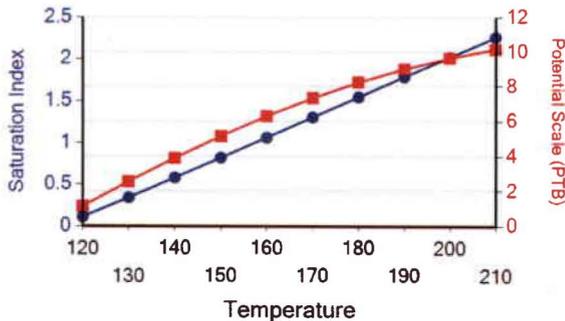
Calcium Carbonate



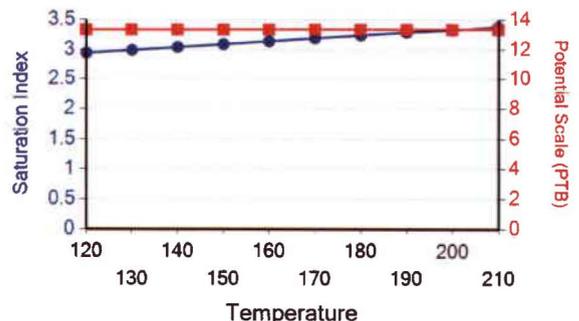
Barium Sulfate



Ca Mg Silicate



Iron Carbonate



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 3-21-9-16**
 Sample Point: **Wellhead**
 Sample Date: **6/17/2013**
 Sample ID: **WA-245625**

Sales Rep: **Michael McBride**
 Lab Tech: **Layne Wilkerson**

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:	6/21/2013	Sodium (Na):	8497.46	Chloride (Cl):	12000.00
System Temperature 1 (°F):	120	Potassium (K):	40.32	Sulfate (SO4):	151.00
System Pressure 1 (psig):	60	Magnesium (Mg):	11.13	Bicarbonate (HCO3):	1952.00
System Temperature 2 (°F):	210	Calcium (Ca):	22.64	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	5.16	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.013	Barium (Ba):	7.48	Propionic Acid (C2H5COO)	
pH:	8.30	Iron (Fe):	18.40	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	22725.43	Zinc (Zn):	0.50	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	32.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.40	Silica (SiO2):	18.94
H2S in Water (mg/L):	0.00				

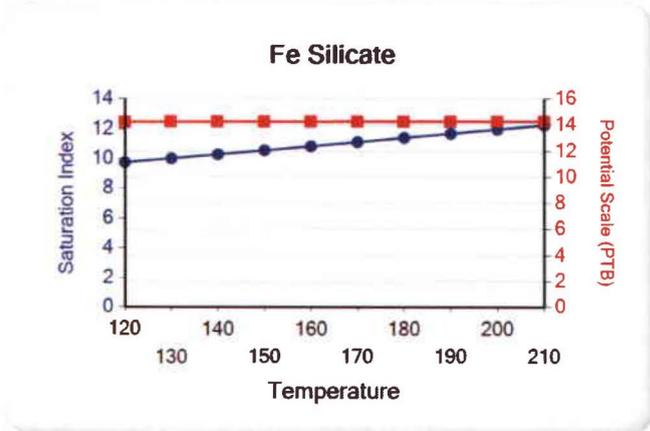
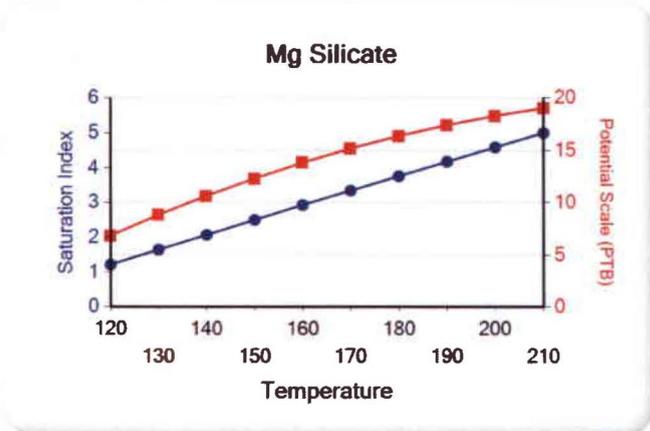
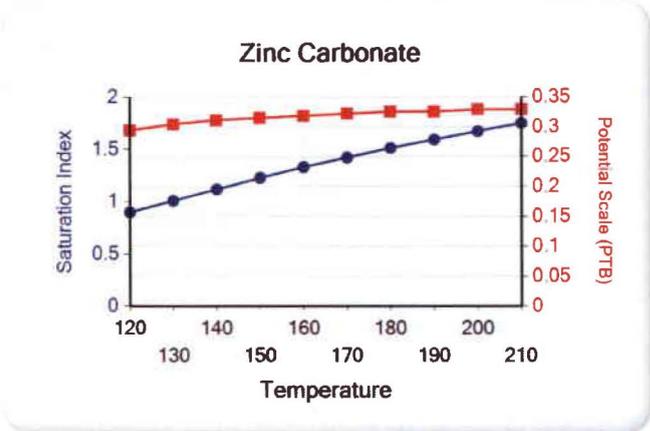
Notes:

B=12.62

(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	1.45	18.84	0.74	3.62	0.00	0.00	3.38	13.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	1.40	18.71	0.76	3.66	0.00	0.00	3.33	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	1.35	18.58	0.78	3.70	0.00	0.00	3.29	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	1.31	18.43	0.81	3.74	0.00	0.00	3.24	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	1.26	18.27	0.84	3.79	0.00	0.00	3.19	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	1.22	18.10	0.88	3.85	0.00	0.00	3.14	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	1.18	17.93	0.92	3.90	0.00	0.00	3.09	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	1.15	17.75	0.96	3.95	0.00	0.00	3.04	13.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	1.11	17.57	1.01	4.01	0.00	0.00	2.99	13.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	1.08	17.38	1.07	4.06	0.00	0.00	2.94	13.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report



Multi-Chem Analytical Laboratory

1553 East Highway 40
Vernal, UT 84078

multi-chem

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **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

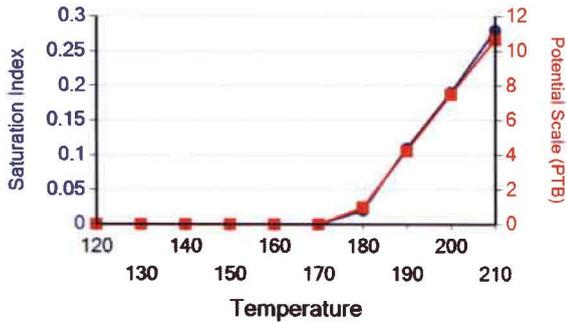
Water Analysis Report

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

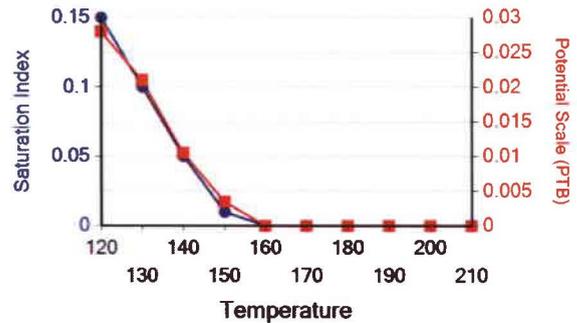
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

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

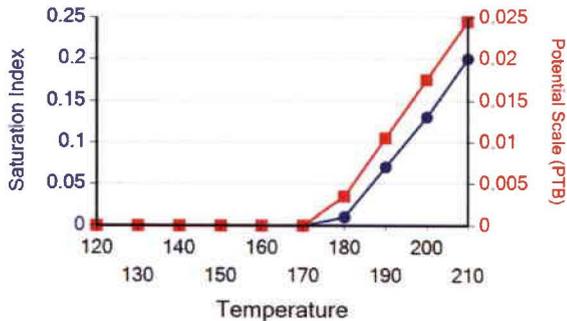
Calcium Carbonate



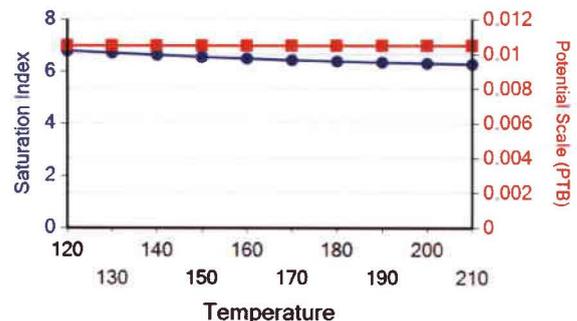
Barium Sulfate



Iron Sulfide



Zinc Sulfide



Attachment "G"

**Federal #3-21-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5742	5755	5749	2100	0.80	2063
5500	5523	5512	1830	0.77	1794
5194	5232	5213	2450	0.90	2416
4984	5002	4993	2130	0.86	2098
4876	4881	4879	1710	0.78	1678 ←
				Minimum	<u><u>1678</u></u>

Calculation of Maximum Surface Injection Pressure

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

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

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



DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 Report Date: 28-Nov-06 Day: 1
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5852' Csg PBTD: 5782' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP4 sds	5742-5755'	4/52

CHRONOLOGICAL OPERATIONS

Date Work Performed: 27-Nov-06 SITP: SICIP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5782' & cement top @ 90' Perforate stage #1, CP4 sds @ 5742- 55' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 52 shots. 138 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 Starting oil rec to date:
Fluid lost/recovered today: 0 Oil lost/recovered today:
Ending fluid to be recovered: 138 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: 15 min:

Completion Supervisor: Orson Barney

DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 **Report Date:** 12/1/06 **Day:** 2
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5852' **Csg PBTD:** 5782' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5610'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP4 sds</u>	<u>5742-5755'</u>	<u>4/52</u>
<u>CP1 sds</u>	<u>5500-5523'</u>	<u>4/92</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/30/06 **SITP:** _____ **SICP:** 90

Day 2a. (Stage #1: CP4 sds)

RU BJ Services. Open well w/ 90 psi on well. Frac CP 4 sds w/ 29540#'s of 20/40 sand in 399 bbls of Lightning 17 fluid. Broke @ 2962 psi. Treated w/ ave pressure of psi 2075 @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2100 psi. Leave pressure on well. 399 BWTR. RIH w/ 5-1/2" Weatherford composite flow through plug & 10' perf gun. Set plug @ 5610'. Perforate CP 1 sds @ 5500-5523' w/ 3-1/8" Slick Guns (23 gram .43"HE, 90°) w/ 4 SPF for total of 92 shots. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 **Starting oil rec to date:** _____
Fluid lost/recovered today: 399 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 537 **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: CP 4 sands
966 gals to crosslink
3000 gals of pad
2319 gals W/ 1-4 ppg of 20/40 sand
4589 gals W/ 4-6.5 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 5233 gals of slick water

COSTS

BJ Services-CP 4
NPC frac water
Weatherford bop
Zubiate hot oil
Weatherford tools/serv
NPC Supervisor
Lone Wolf WL

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

Max TP: 2490 **Max Rate:** 25.3 bpm **Total fluid pmpd:** 399
Avg TP: 2075 **Avg Rate:** 24.9 bpm **Total Prop pmpd:** 29,540#
ISIP: 2100 **5 min:** _____ **10 min:** _____ **FG:** .80

Completion Supervisor: Don Dulen

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



DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 Report Date: 12/2/06 Day: 3a
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5852' Csg PBTD: 5782' WL
 Tbg: Size: _____ Wt: _____ Grd: _____ Pkr/EOT @: _____ BP/Sand PBTD: 5610'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP4 sds	5742-5755'	4/52
CP1 sds	5500-5523'	4/92			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/1/06 SITP: _____ SICP: 460

Day 3a. (Stage #2: CP1 sds)
 RU BJ Services. Open well w/ 460 psi on well. Frac CP 1 sds w/ 89,095#'s of 20/40 sand in 713 bbls of Lightning 17 fluid. Broke @ 3108 psi. Treated w/ ave pressure of psi 1762 @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1830 psi. Leave pressure on well. See day 3b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 537 Starting oil rec to date: _____
 Fluid lost/recovered today: 713 Oil lost/recovered today: _____
 Ending fluid to be recovered: 1250 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 BJ Services-CP 1
 Company: BJ Services NPC frac water
 Procedure or Equipment detail: CP 1 sands Weatherford tools/serv
1974 gals to crosslink Zubiata hot oil
6800 gals of pad
4625 gals W/ 1-5 ppg of 20/40 sand
9250 gals W/ 5-8 ppg of 20/40 sand
1790 gals W/ 8 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 4994 gals of slick water
****Flush called @ blender--includes 2 bbls pump/line volume****
 Max TP: 2194 Max Rate: 25.3 bpm Total fluid pmpd: 713
 Avg TP: 1762 Avg Rate: 24.8 bpm Total Prop pmpd: 89,095#
 ISIP: 1830 5 min: _____ 10 min: _____ FG: .77
 Completion Supervisor: Don Dulen

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



4 of 9

DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 **Report Date:** 12/2/06 **Day:** 3b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5852' **Csg PBTD:** 5782' WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5610'
CBP: 5330'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone CP4 sds	Perfs 5742-5755'	SPF/#shots 4/52
LODC sds	5194-5205'	4/44			
LODC sds	5212-5232'	4/80			
CP1 sds	5500-5523'	4/92			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/1/06 **SITP:** _____ **SICP:** 1310

Day 3b. (Stage #3: LODC sds)
 RIH w/ 5-1/2" Weatherford composite flow through plug & 20' perf gun. Set plug @ 5330'. Perforate LODC sds @ 5194-5205' & 5212-5232' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 124 shots. RU BJ Services Open well w/ 1310 psi on well. Frac LODC sds w/ 126238#'s of 20/40 sand in 886 bbls of Lightning 17 fluid. Broke @ 3737 psi. Treated w/ ave pressure of 2565 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2450 psi. Leave pressure on well. See day 3c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1250 **Starting oil rec to date:** _____
Fluid lost/recovered today: 886 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2136 **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: LODC

- 9800 gals of pad
- 6375 gals W/ 1-5 ppg of 20/40 sand
- 12750 gals W/ 5-8 ppg of 20/40 sand
- 3104 gals W/ 8 ppg of 20/40 sand
- Flush W/ 504 gals of 15% HCL acid
- Flush W/ 4675 gals of slick water

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

Max TP: 3110 **Max Rate:** 25.2 bpm **Total fluid pmpd:** 886 bbls
Avg TP: 2565 **Avg Rate:** 24.7 bpm **Total Prop pmpd:** 126,238#
ISIP: 2450 **5 min:** _____ **10 min:** _____ **FG:** .90

Completion Supervisor: Don Dulen

COSTS

BJ Services-LODC
 NPC frac water
 Weatherford tools/serv
 Zubiata hot oil
 Lone Wolf W.L.

NPC Supervisor
DAILY COST: _____ **\$0**

TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 **Report Date:** 12/2/06 **Day:** 3c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5852' **Csg PBTD:** 5782' WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5610'
CBP: 5330', 5090'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP4 sds</u>	<u>5742-5755'</u>	<u>4/52</u>
<u>A1 sds</u>	<u>4984-5002'</u>	<u>4/72</u>			
<u>LODC sds</u>	<u>5194-5205'</u>	<u>4/44</u>			
<u>LODC sds</u>	<u>5212-5232'</u>	<u>4/80</u>			
<u>CP1 sds</u>	<u>5500-5523'</u>	<u>4/92</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/1/06 **SITP:** _____ **SICP:** 2105

Day 3b. (Stage #4: A1 sds)
 RIH w/ 5-1/2" Weatherford composite flow through plug & 18' perf gun. Set plug @ 5090'. Perforate A1 sds @ 4984-5002' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 72 shots. RU BJ Services. Open well w/ 2105 psi on well. Frac A1 sds w/ 18,951#s of 20/40 sand in 288 bbls of Lightning 17 fluid. Broke @ 4200 psi. Treated w/ ave pressure of 2110 psi @ ave rate of 24.9 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2130 psi Leave pressure on well. See day 3d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2136 **Starting oil rec to date:** _____
Fluid lost/recovered today: 288 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2424 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: A1
630 gals to crosslink
2000 gals of pad
1511 gals W/ 1-4 ppg of 20/40 sand
2949 gals W/ 4-6 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 4519 gals of slick water

COSTS

BJ Services-A1
NPC frac water
Weatherford tools/serv
Zubiate hot oil
Lone Wolf W.L.

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

Max TP: 2240 **Max Rate:** 25.4 bpm **Total fluid pmpd:** 288 bbls
Avg TP: 2110 **Avg Rate:** 24.9 bpm **Total Prop pmpd:** 18,951#
ISIP: 2450 **5 min:** _____ **10 min:** _____ **FG:** .86
Completion Supervisor: Don Dulen

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



DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 **Report Date:** 12/2/06 **Day:** 3d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5852' **Csg PBTD:** 5782' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5610'
CBP: 5330', 5090', 4920'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B2 sds	4876-4881'	4/20	CP4 sds	5742-5755'	4/52
A1 sds	4984-5002'	4/72			
LODC sds	5194-5205'	4/44			
LODC sds	5212-5232'	4/80			
CP1 sds	5500-5523'	4/92			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12/1/06 **SITP:** _____ **SICP:** 1570

Day 3b. (Stage #5: B2 sds)
 RIH w/ 5-1/2" Weatherford composite flow through plug & 10' perf gun. Set plug @ 4920'. Perforate B2 sds @ 4876-4881' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 20 shots. RU BJ Services. Open well w/ 157C psi on well. Frac B2 sds w/ 12,667#'s of 20/40 sand in 262 bbls of Lightning 17 fluid. Broke @ 3770 psi. Treated w/ ave pressure of 2135 psi @ ave rate of 25.0 BPM. ISIP 1710 psi. Open well to pit for immediate flowback @ 1 bpm Well flowed for 6 hrs. & died. Recovered 360 bbls.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2424 **Starting oil rec to date:** _____
Fluid lost/recovered today: 100 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2324 **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: B2

- 924 gals to crosslink
- 2000 gals of pad
- 1511 gals W/ 1-4 ppg of 20/40 sand
- 1773 gals W/ 4-6 ppg of 20/40 sand
- Flush W/ 4788 gals of slick water

Max TP: 2320 **Max Rate:** 25.3 bpm **Total fluid pmpd:** 262 bbls

Avg TP: 2135 **Avg Rate:** 25.0 bpm **Total Prop pmpd:** 12,667#

ISIP: 1710 **5 min:** _____ **10 min:** _____ **FG:** .78

Completion Supervisor: Don Dulen

COSTS

- BJ Services-B2
- NPC frac water
- Weatherford tools/serv
- Zubiate hot oil
- Lone Wolf W.L.
- NPC surface equip
- NPC location cleanup
- Mtn. West Sanitation
- Monk's pit reclaim
- NPC water disposal
- UniChem chemicals

NPC Supervisor

DAILY COST: _____ **\$0**

TOTAL WELL COST: _____



7099

DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 Report Date: Dec. 6, 2006 Day: 4
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5852' Csg PBTD: 5782' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5633' BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include B2 sds, A1 sds, LODC sds, and CP1 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 5, 2006 SITP: SICP: 20

MIRU Western #4. Thaw wellhead & BOP W/ HO trk. Bleed pressure off well. Rec est 5 BTF. ND Cameron BOP 8 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ new Weatherford 4 3/4" "Chomp" bit, bit sub & "B" grade 2 7/8" 8rd 6.5# J-55 tbg. Tag fill @ 4851'. Tbg displaced 12 BW on TIH. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventional circulation): sd @ 4851', plug @ 4920' in 14 minutes; sd @ 5061', plug @ 5090' in 26 minutes; no sd, plug @ 5330' in 10 minutes; sd @ 5575', plug @ 5610' in 42 minutes. Circ hole clean W/ no fluid loss. Hang back swivel. SIFN W/ EOT @ 5633'. Es 2307 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2324 Starting oil rec to date:
Fluid lost/recovered today: 17 Oil lost/recovered today:
Ending fluid to be recovered: 2307 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type: Western #4 rig
Company: Weatherford BOP
Procedure or Equipment detail: NDSI wtr & truck
Zubiate HO trk
NDSI trucking
NPC "B" grade tbg
NPC trucking
Mecham labor/welding
Weatherford "chomp" bit
Weatherford swivel
NPC supervision

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

Completion Supervisor: Gary Dietz

DAILY COST: \$0
TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 Report Date: Dec. 7, 2006 Day: 5
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 5852' Csg PBDT: 5806'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Anchor @: 5604' BP/Sand PBDT: 5806'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B2 sds	4876-4881'	4/20	CP4 sds	5742-5755'	4/52
A1 sds	4984-5002'	4/72			
LODC sds	5194-5205'	4/44			
LODC sds	5212-5232'	4/80			
CP1 sds	5500-5523'	4/92			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 6, 2006 SITP: 60 SICP: 60

Thaw wellhead, BOP & tbg stump W/ HO trk. Bleed pressure off well. Rec est 5 BTF. Con't PU & TIH W/ bit & tbg f. 5633'. Tag fill @ 5770'. PU power swivel. Drill plug remains & sd to PBDT @ 5806'. Circ hole clean W/ no fluid loss RD swivel. Pull EOT to 5759'. RU swab equipment. IFL @ sfc. Made 11 swb runs rec 121 BTF W/ light gas, tr oil 8 no sd. FFL @ 1200'. TIH W/ tbg. Tag sd @ 5795' (11' new fill). C/O sd to PBDT @ 5806'. Circ hole clean. Lost es 35 BW & rec tr oil. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 bullplug 8 collar, 3 jts tbg, 2 7/8 nipple, gas separator, 1 jt tbg, SN, 1 jt tbg, CDI 5 1/2" TA (45K) & 174 jts 2 7/8 8rd 6.5# J-55 tbg ND BOP. Set TA @ 5604' W/ SN @ 5638' & EOT @ 5773'. Land tbg W/ 16,000# tension. NU wellhead. SIFN W/ es 2216 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2307 Starting oil rec to date: _____
Fluid lost/recovered today: 91 Oil lost/recovered today: _____
Ending fluid to be recovered: 2216 Cum oil recovered: _____
IFL: sfc FFL: 1200' FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: tr

STIMULATION DETAIL

COSTS

Base Fluid used: _____	Job Type: _____	Western #4 rig	_____
Company: _____		Weatherford BOP	_____
Procedure or Equipment detail: _____		Weatherford swivel	_____
_____		Zubiate HO trk	_____
_____		CDI TA	_____
_____		CDI SN	_____
_____		NPC supervision	_____
_____			_____
_____			_____
_____			_____
_____			_____

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

Completion Supervisor: Gary Dietz

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

NEWFIELD



ATTACHMENT G-1

9 of 9

DAILY COMPLETION REPORT

WELL NAME: Federal 3-21-9-16 **Report Date:** Dec. 8, 2006 **Day:** 6
Operation: Completion **Rig:** Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 5852' **Csg PBTD:** 5806'
Tbg: Size: 2 7/8" Wt: 6.5# **Grd:** J-55 **Anchor @:** 5604' **BP/Sand PBTD:** 5806'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
B2 sds	4876-4881'	4/20	CP4 sds	5742-5755'	4/52
A1 sds	4984-5002'	4/72			
LODC sds	5194-5205'	4/44			
LODC sds	5212-5232'	4/80			
CP1 sds	5500-5523'	4/92			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Dec. 7, 2006 **SITP:** 0 **SICP:** 0

Thaw wellhead W/ HO trk. PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14 RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 109-3/4" plain rods, 99-3/4" scraped rods, 2-6' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ rig to 800 psi. Good pump action. RU pumping unit & hang rods on. RDMOSU. Est 2216 BWTR.
Place well on production @ 2:00 PM 12/7/2006 W/ 86" SL @ 5 SPM.
FINAL REPORT!!

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2216 **Starting oil rec to date:** _____
Fluid lost/recovered today: 0 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2216 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

TUBING DETAIL

ROD DETAIL

COSTS

KB 12.00'	1 1/2" X 22' polished rod	Western #4 rig
174 2 7/8 J-55 tbg (5591.56')	2-6' & 1-2' X 3/4" pony rods	Central Machine PBGA
TA (2.80' @ 5603.56' KB)	99-3/4" scraped rods	Bullplug/collar/nipple
1 2 7/8 J-55 tbg (31.59')	109-3/4" plain rods	CDI rod pump
SN (1.10' @ 5637.95' KB)	10-3/4" scraped rods	"B" grade rod string
1 2 7/8 J-55 tbg (33.42')	6-1 1/2" weight rods	NPC frac tks(6X5 dys)
"Collar sized" gas anchor (5.20')	CDI 2 1/2" X 1 1/2" X 14'	NPC swab tk (3 days)
2 7/8 nipple (.30')	RHAC pump W/ SM plunger	NPC frac head
3 2 7/8 J-55 tbg (95.00')		Zubiate HO trk
2 7/8 bullplug/collar (.70')		NPC supervision
EOT 5773.67' W/ 12' KB		

DAILY COST: _____ \$0

Completion Supervisor: Gary Dietz

TOTAL WELL COST: _____

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4826'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 178' 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 373'

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

Federal 3-21-9-16

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

Initial Production: BOPD,
 MCFD, BWPD

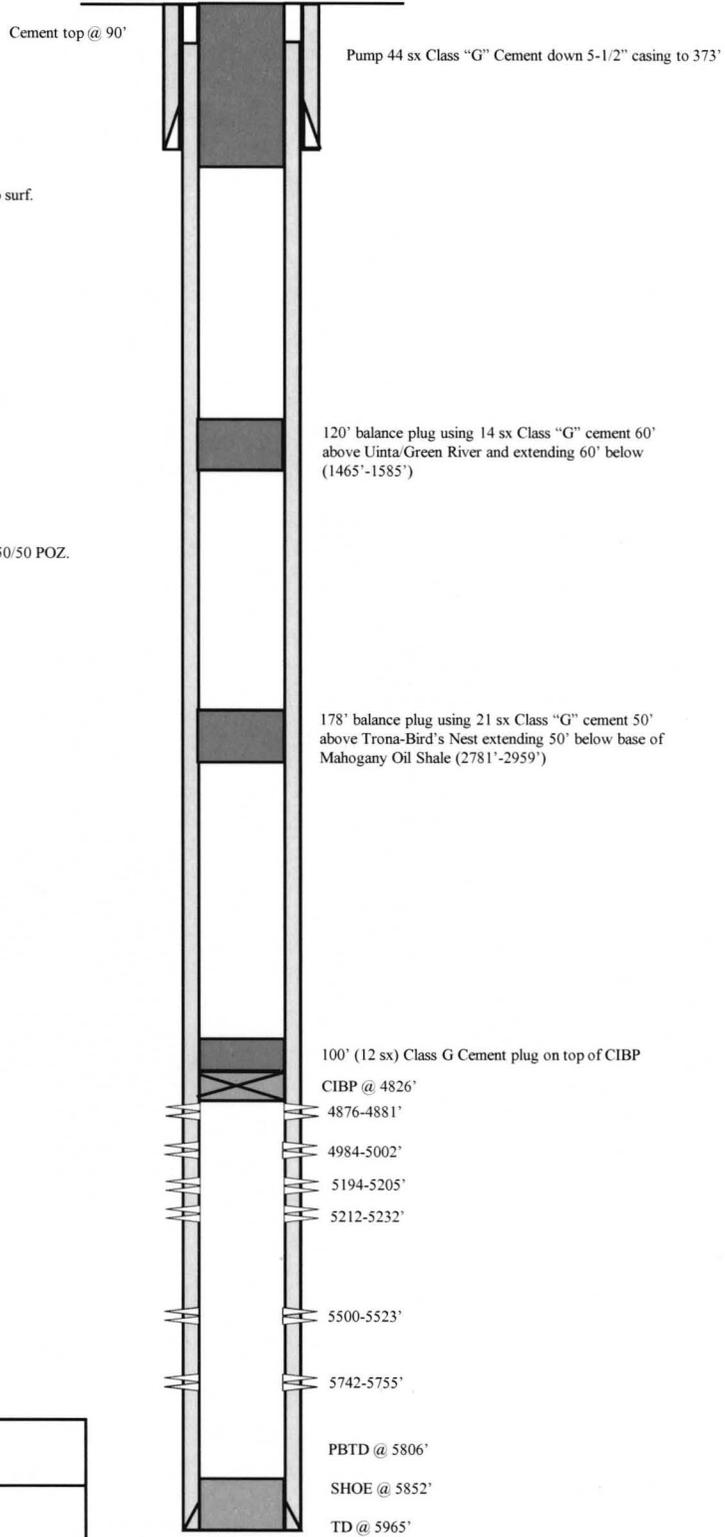
Proposed Injection
 Wellbore Diagram

SURFACE CASING

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




<p>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</p>

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: FEDERAL 3-21-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330190000
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: 0774 FNL 1909 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW 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: 3/4/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <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.

The above reference well was put on injection at 3:00 PM on
03/04/2014

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

Date: March 11, 2014

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 3/10/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
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.		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 3-21-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013330190000
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: 0774 FNL 1909 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW 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: 2/7/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <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.

The subject well has been converted from a producing oil well to an injection well on 02/06/2014. On 02/06/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/07/2014 the casing was pressured up to 1590 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 20, 2014

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/19/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date 2/7/14 Time 9:59 am pm
Test Conducted by: Riley Bough
Others Present: _____

Well: <u>Federal 3-21-9-16</u>	Field: <u>monument Butte</u>
Well Location: <u>Federal 3-21-9-16 NE/NW Sec 21, T9S, R16E, Duchesne county Utah</u>	API No: <u>4301333019</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1593</u>	psig
5	<u>1592</u>	psig
10	<u>1592</u>	psig
15	<u>1592</u>	psig
20	<u>1591</u>	psig
25	<u>1590</u>	psig
30 min	<u>1590</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 100 psig

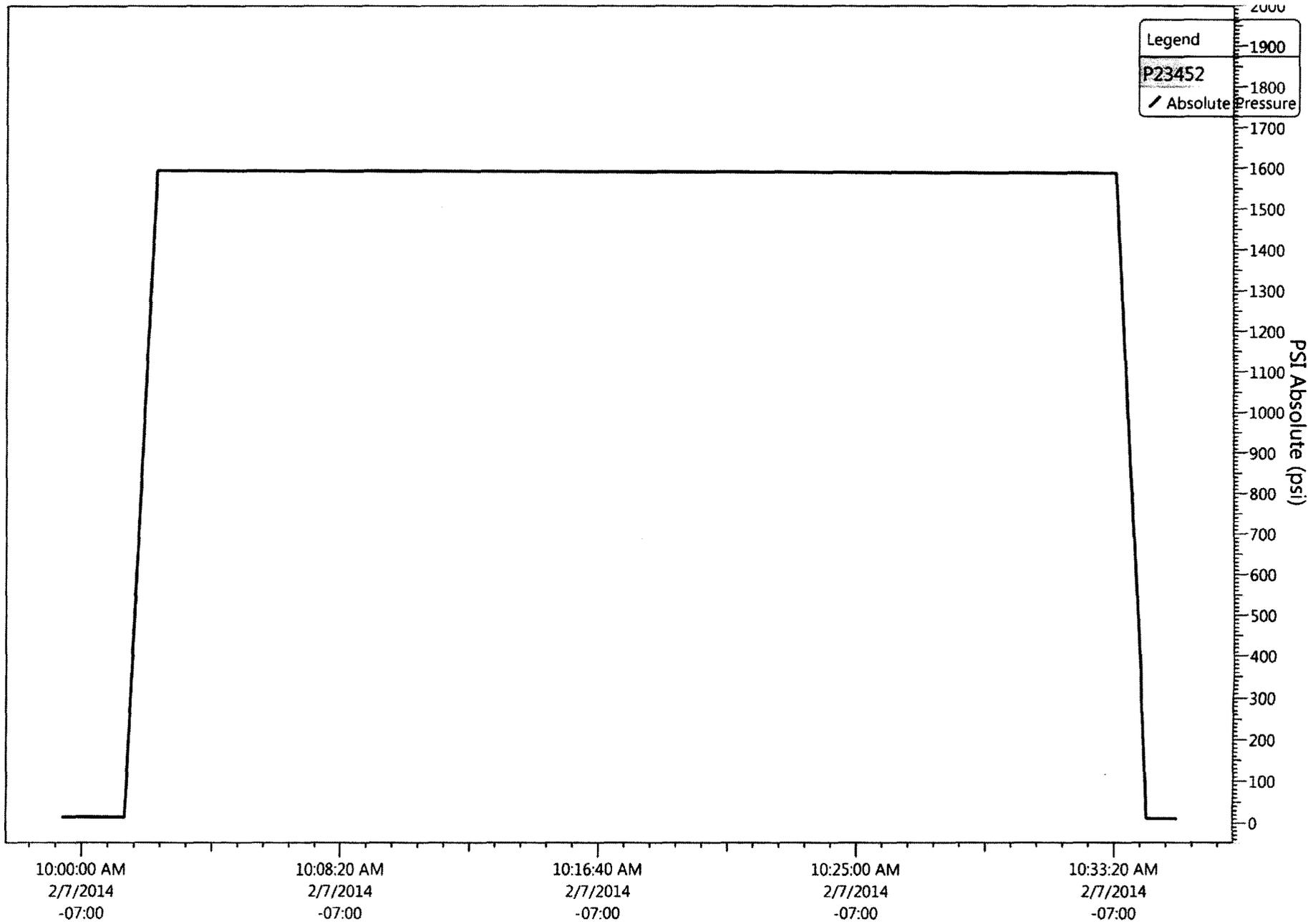
Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Riley Bough

federal 3-21-9-16 (mit 2/7/14)

2/7/2014 9:58:53 AM



Sundry Number : 48003 API Well Number : 43013330190000

Daily Activity Report

Format For Sundry

FEDERAL 3-21-9-16

12/1/2013 To 4/28/2014

12/4/2013 Day: 1

Host Well Gyro

Nabors #1460 on 12/4/2013 - MIRU, TOOH W/ PRODUCTION, RUN GYRO - FLUSH TBG W/ 45 BBL RU MULTI SHOT - CREW TRAVEL - PU PUMP 6 WEIGHT BARS W/ 6 STABILIZERS RIH W/ 40 3/4" 4 PERS 73 3/4" SLK 100 3/4" 4 PERS 8' 2' PONY RODS PU POLISH ROD AND STACK OUT RODS PICK UP EQUIPMENT DIDNT FIX RAN WHAT WAS PULLED - RUN GYRO LOG RD MULTISHOT - POOH W/ RODS FLUSH 1 TIME W/ 15 BBL LD WEIGHT BARS AND PUMP - SPOT IN RIG WAIT FOR AND PLANT 2 DEAD MEN SICP 500 # GROUND TANK AND BLEED OFF PRESSURE - CREW TRAVEL - SAFETY MEETING TOPIC RIG UP PULLING AND RUNING RODS RUNING GYRO RIG DOWN

Daily Cost: \$0

Cumulative Cost: \$12,175

2/5/2014 Day: 3

Conversion

NC #1 on 2/5/2014 - NU BOP, POOH w/ Tbg Breaking Collars, LD Excess Tbg, MU & RIH w/ PKR & 40- Jts - 5:30 to 6:00AM C/travl: SICP 150psi SITP 100psi, OWU, XO For Tbg, ND B-1 WH, Release TAC, NU Weatherford BOP, RU Workfloor, PU 5- Jts, Tagged Fill @ 5784', 22' Of Total Fill On PB, LD Jts, POOH w/ 149- Jts Breaking & Inspected Collars, Applied Liquid O-Ring To Pins, Tallied Each Stn to 4793", LD 26-Jts & BHA, Cleaned Out 30' Of Fill From Tail jts, H/Oiler Pmped 70BW During Trip, MU & RIH w/ Weatherford AS-1 PKR w/ XN, TIH w/ 40- Jts...SWIFN...7:00 to 7:30PM C/travl - Moved From 22-20-9-16 @ 11:00: MIRUSU, BMW H/ Oiler Pmped 25BW d/ Tbg, Caught Pressure, Pmped 45BW d/Csg, LD & Stripped Polished Rod, Soft Seat Rod Pmp, 15BWto Fill Tbg, Tbg Failed @ 2900psi, LD Rod String, Flushed Rods w/ 30BW, LD & Inspect Rod Pmp (Heavy Scale Built Up On Screen), SWIFN...6:00 to 6:30PM C/travl - Moved From 22-20-9-16 @ 11:00: MIRUSU, BMW H/ Oiler Pmped 25BW d/ Tbg, Caught Pressure, Pmped 45BW d/Csg, LD & Stripped Polished Rod, Soft Seat Rod Pmp, 15BWto Fill Tbg, Tbg Failed @ 2900psi, LD Rod String, Flushed Rods w/ 30BW, LD & Inspect Rod Pmp (Heavy Scale Built Up On Screen), SWIFN...6:00 to 6:30PM C/travl - 5:30 to 6:00AM C/travl: SICP 150psi SITP 100psi, OWU, XO For Tbg, ND B-1 WH, Release TAC, NU Weatherford BOP, RU Workfloor, PU 5- Jts, Tagged Fill @ 5784', 22' Of Total Fill On PB, LD Jts, POOH w/ 149- Jts Breaking & Inspected Collars, Applied Liquid O-Ring To Pins, Tallied Each Stn to 4793", LD 26-Jts & BHA, Cleaned Out 30' Of Fill From Tail jts, H/Oiler Pmped 70BW During Trip, MU & RIH w/ Weatherford AS-1 PKR w/ XN, TIH w/ 40-Jts...SWIFN...7:00 to 7:30PM C/travl

Daily Cost: \$0

Cumulative Cost: \$27,608

2/6/2014 Day: 4

Conversion

NC #1 on 2/6/2014 - PT Tbg, GOOD TEST, ND BOP, Pmp PKR Fluids, Set PKR, NU Injection Tree, PT CSG, GOOD TEST, RD MOSU - 5:30 to 6:00AM C/travl: SICP 50psi SITP 50psi: OWU, TIH w/ Rемаing Jts, BMW H/Oiler Pmped 15BW d/Tbg, Dropped Stnd Valv, RU & RIH w/ SL to Seat ST, 17BW to Fill Tbg, LD SL, MU Isolation T, PT Tbg to 3000psi, Observ Pressure, 125psi Loss in 30Min, Bleed Off Gas, RePressured to 3000psi, NO Pressure Loss In 30Min, GOOD TBG TEST, Retrieved Stn Valv, RD Workfloor, ND BOP, XO 3K Ball Valves, Tightened WH, H/ Oiler Pmped 55BW d/ Annulus w/ PKR Fluids, Well Didn't Circulate, MU 3K Injection Tree, Set AS-1 PKR CE @ 4811' w/ 1500# of Tension, NU WH, 22BW to Fill Annulus, PT to 1580psi, Observ

Pressure, NO PRESURE LOSS in 30min, GOOD TEST, XO for Rods, RD MOSU...FINAL RIG REPORT....READY FOR MIT!!

Daily Cost: \$0

Cumulative Cost: \$41,898

2/11/2014 Day: 5

Conversion

Rigless on 2/11/2014 - Conduct initial MIT - On 02/06/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/07/2014 the casing was pressured up to 1590 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$74,110

Pertinent Files: Go to File List

Federal 3-21-9-16

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

Injection Wellbore Diagram

SURFACE CASING

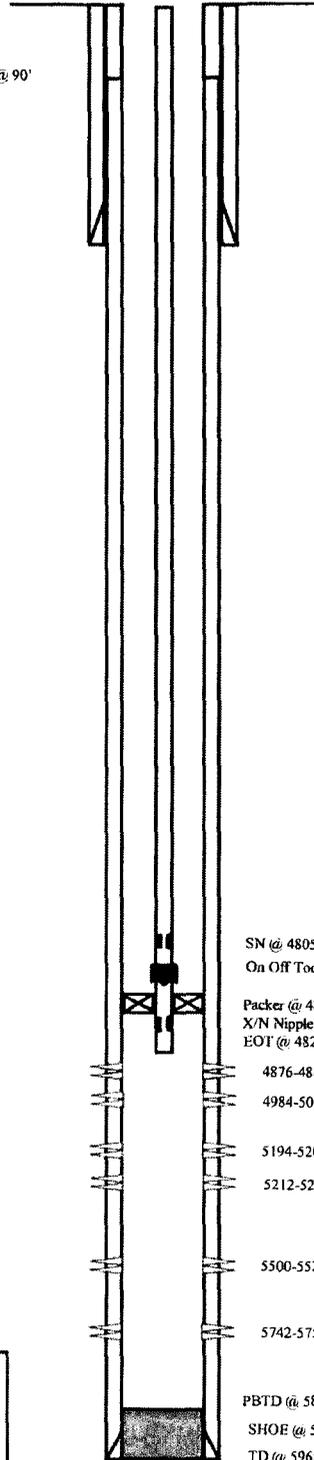
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310 86')
 DEPTH LANDED: 322.71' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 2 bbls cmt to surf.

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'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 149 jts (4793.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4805.4' KB
 ON/OFF TOOL AT: 4806.5'
 "X" SEAL NIPPLE 1-7/8" @ 4807.9'
 ARROW #1 PACKER CE AT: 4811.54'
 XO 2-3/8 x 2-7/8 J-55 AT: 4815.2'
 TBG PUP 2-3/8 J-55 AT: 4815.7'
 X/N NIPPLE AT: 4819.8'
 TOTAL STRING LENGTH: EOT @ 4821.37'



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.
 02/06/14 **Convert to Injection Well**
 02/07/14 **Conversion MIT Finalized** -- update the detail

PERFORATION RECORD

Date	Interval	JSPF	Holes
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