

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-74392

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 16-21-9-16

9. API Well No.
43-013-3 3165

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
SE/SE 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 SE/SE 606' FSL 831' FEL 575350 X 40.010750
At proposed prod. zone 4429114 Y 110.117151

14. Distance in miles and direction from nearest town or post office*
Approximatley 24.2 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2034' f/ise, NA f/unit
2080.00

16. No. of Acres in lease
2080.00

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1170'

19. Proposed Depth
6010'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6027' GL

22. Approximate date work will start*
3rd Quarter 2006

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

24. Attachments

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

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

25. Signature *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 4/25/06

Title Regulatory Specialist

Approved by (Signature) *Bradley Hill* Name (Printed/Typed) BRADLEY G. HILL Date 04-27-06

Title Office ENVIRONMENTAL MANAGER

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

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

*(Instructions on reverse)

**Federal Approval of this
Action is Necessary**

RECEIVED

APR 26 2006

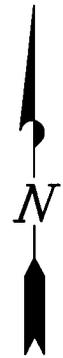
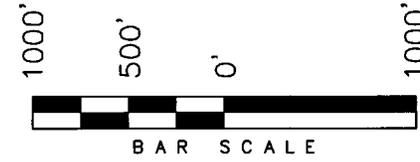
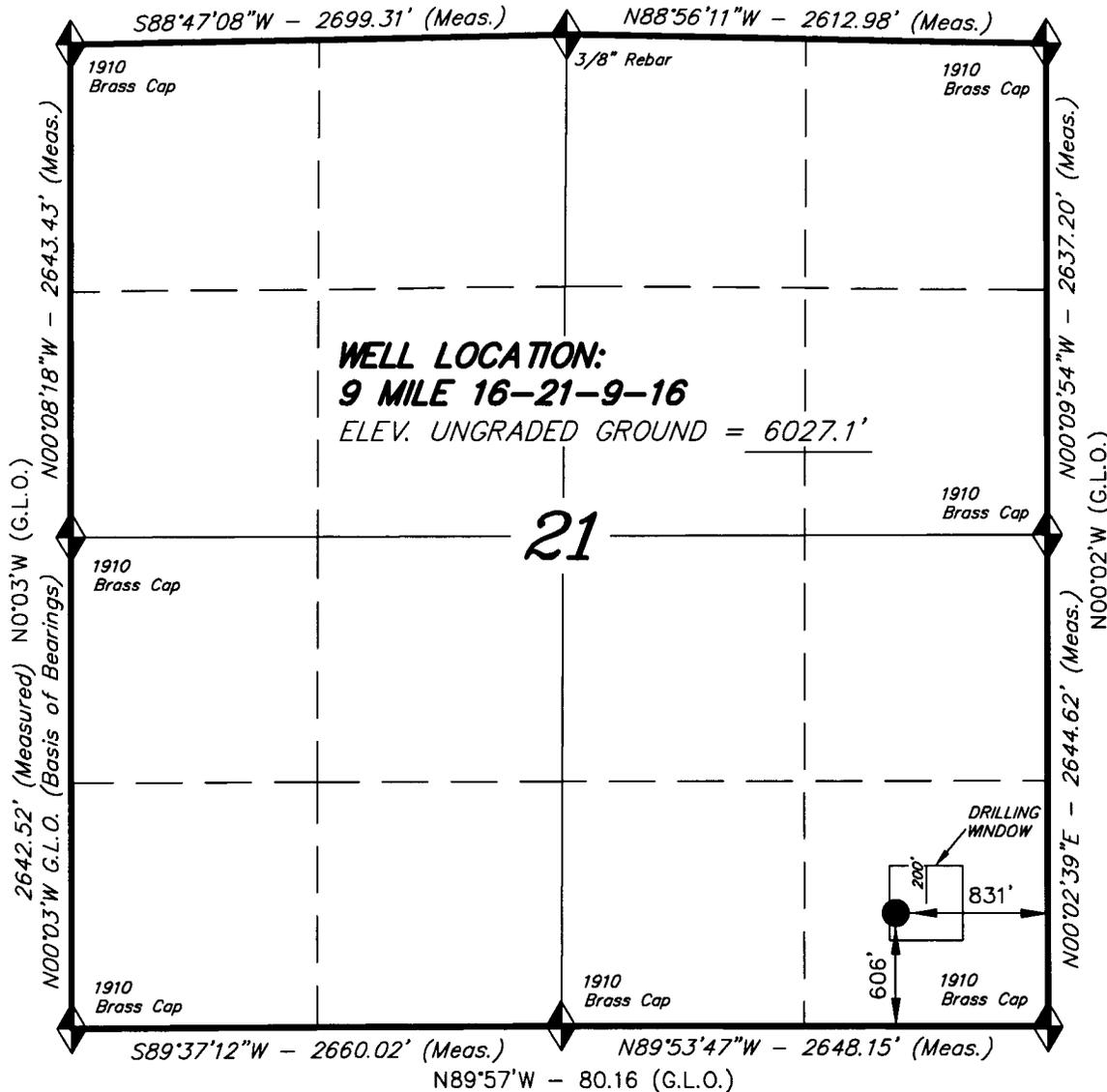
DIV. OF OIL, GAS & MINING

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

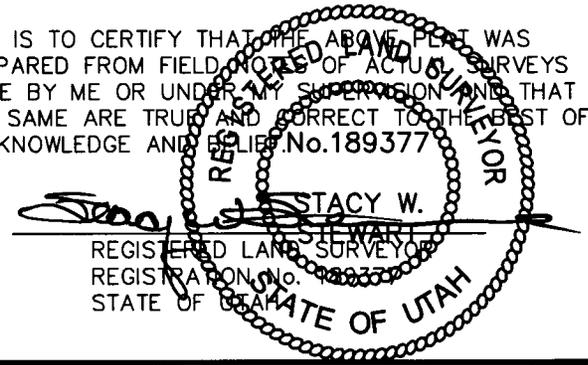
N89°57'W - 80.00 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

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



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



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

9 MILE 16-21-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 38.95"
LONGITUDE = 110° 07' 04.06"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 3-22-06	SURVEYED BY: C.M.
DATE DRAWN: 3-24-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'



April 25, 2006

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

RE: Applications for Permit to Drill: Federal 7-19-9-16, 10-19-9-16, 11-19-9-16, 14-19-9-16, 15-19-9-16, 16-19-9-16, 15-21-9-16, 16-21-9-16, 10-22-9-16, and 15-22-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed 11-19-9-16, 14-19-9-16, 10-22-9-16, and 15-22-9-16 are all Exception Locations. Our Land Department will send you the required Exception Location Letters. 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
APR 26 2006

DIV. OF OIL, GAS & MINING

**NEWFIELD PRODUCTION COMPANY
FEDERAL #16-21-9-16
SE/SE 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' – 2300'
Green River	2300'
Wasatch	6010'

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

Green River Formation 2300' – 6010' - 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 #16-21-9-16
SE/SE 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 #16-21-9-16 located in the SE 1/4 SE 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 - 10.1 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 0.9 miles \pm to it's junction with the beginning of the proposed access road; proceed southeasterly along the proposed access road - 3580' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

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

For the Federal #16-21-9-16 Newfield Production Company requests 3580' of disturbed area be granted in Lease UTU-74392 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 3580' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

Mountain Plover: If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

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)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

Details of the On-Site Inspection

The proposed Federal #16-21-9-16 was on-sited on 3/17/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Brandon McDonald (Bureau of Landmanagement). Weather conditions were clear and ground cover was 30% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

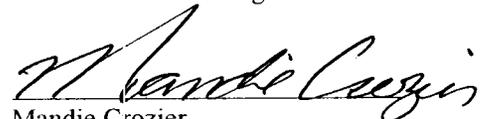
Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #16-21-9-16 SE/SE Section 21, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

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

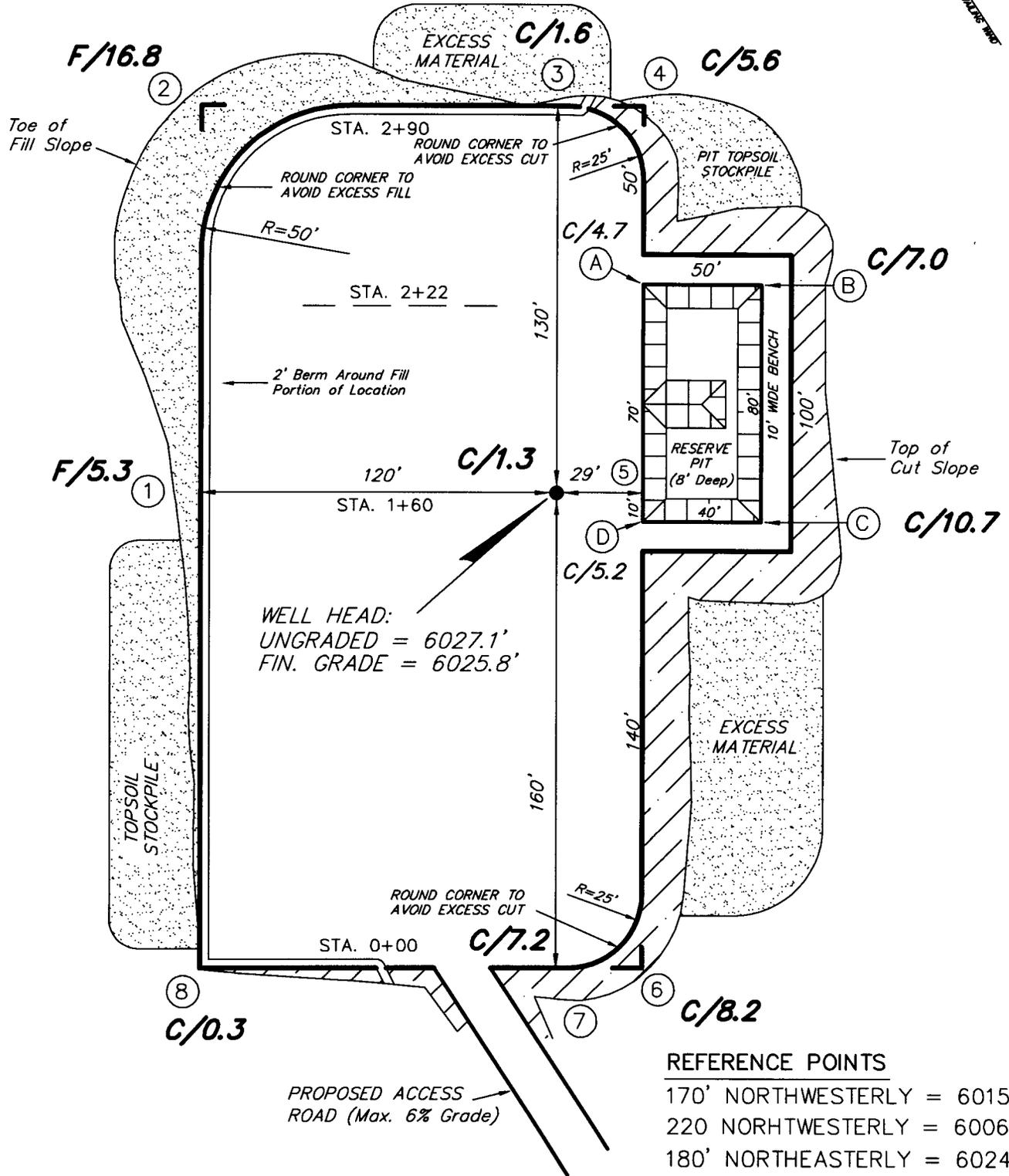
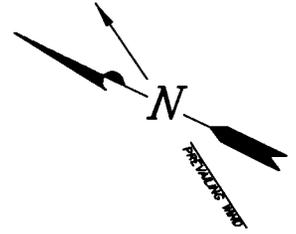
_____ 4/25/06
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 16-21-9-16

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



REFERENCE POINTS

- 170' NORTHWESTERLY = 6015.6'
- 220' NORTHWESTERLY = 6006.4'
- 180' NORTHEASTERLY = 6024.9'
- 230' NORTHEASTERLY = 6022.5'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

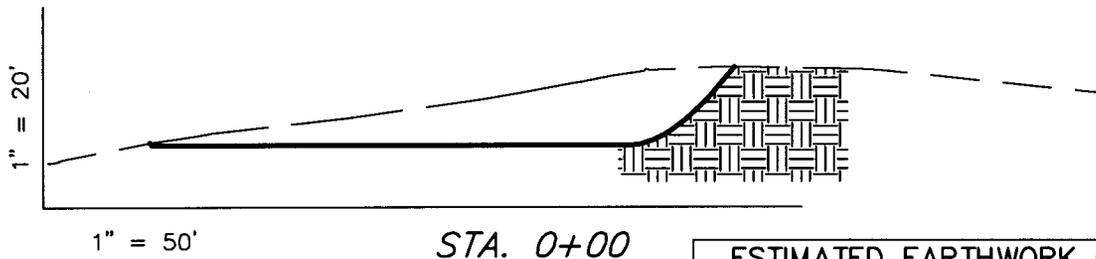
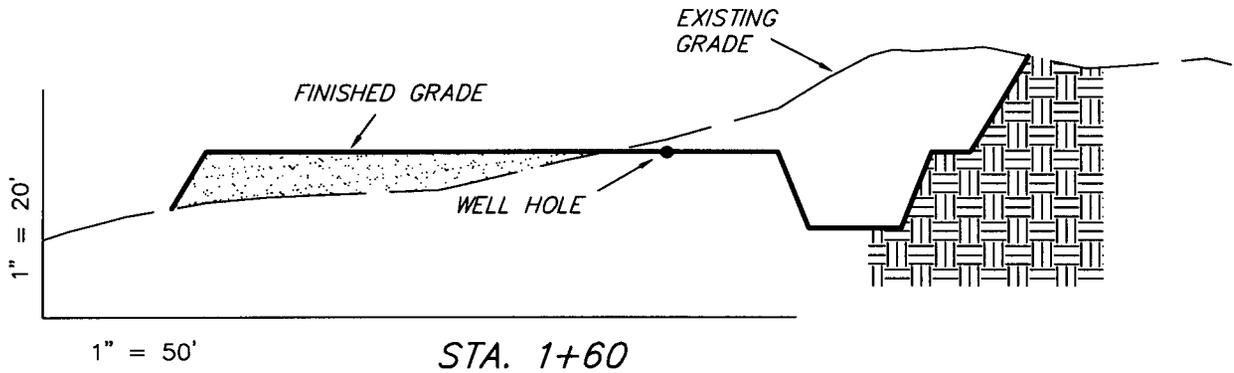
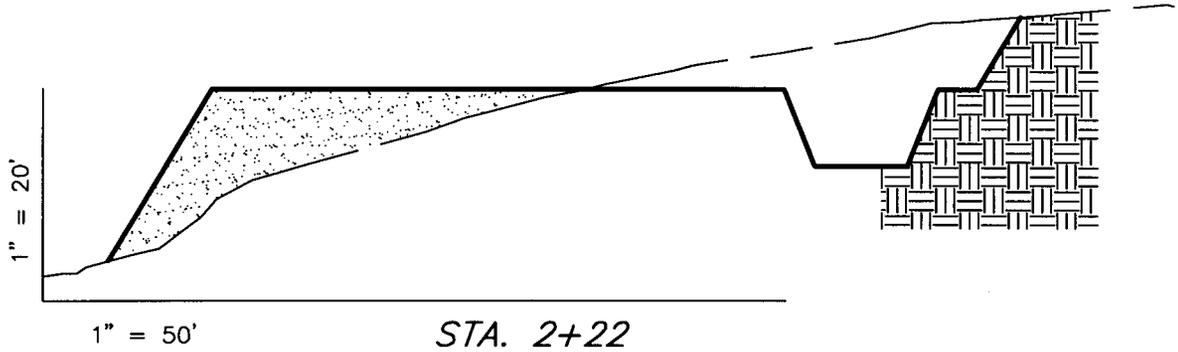
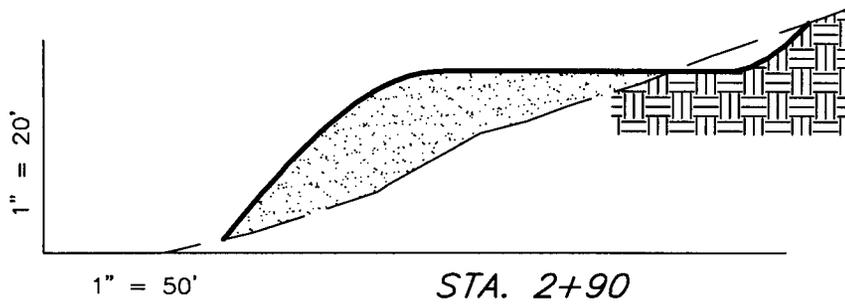
DATE: 3-25-06

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

NEW FIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 16-21-9-16



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,470	4,440	Topsoil is not included in Pad Cut	30
PIT	640	0		640
TOTALS	5,110	4,440	1,090	670

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

SURVEYED BY: C.M.

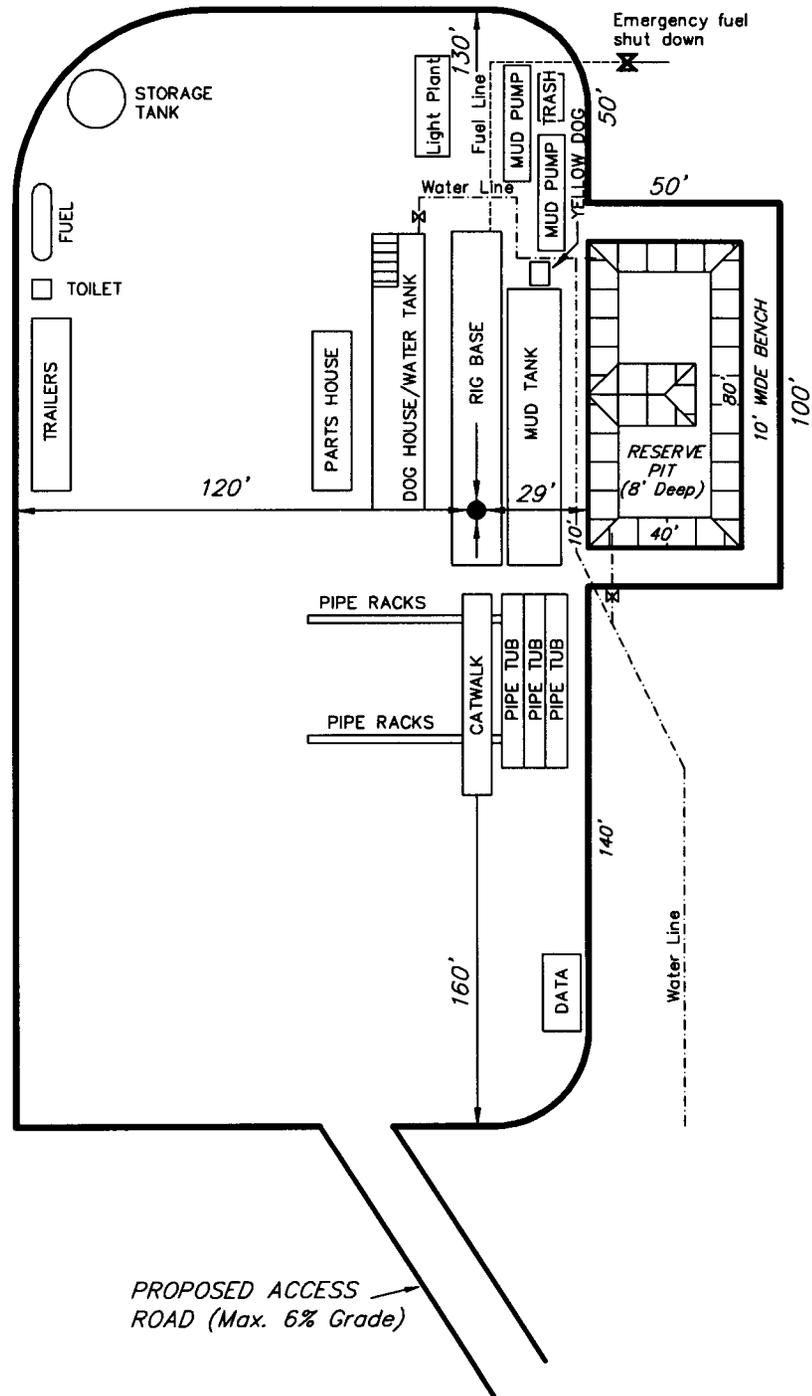
SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 3-25-06

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

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



SURVEYED BY: C.M.	SCALE: 1" = 50'	<p>Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>	(435) 781-2501
DRAWN BY: M.W.	DATE: 3-25-06		

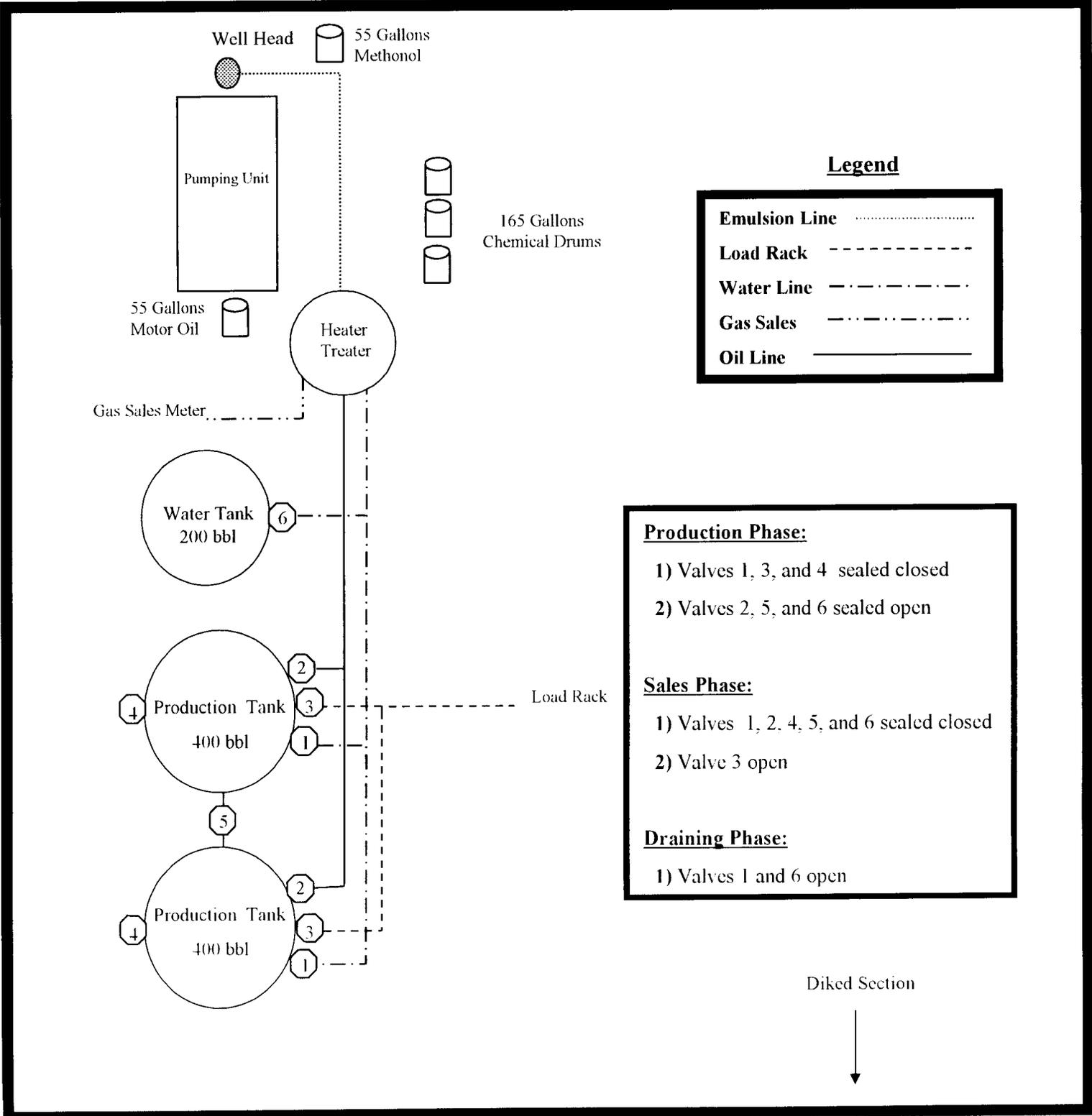
Newfield Production Company Proposed Site Facility Diagram

Federal 16-21-9-16

SE/SE Sec. 21, T9S, 16E

Duchesne County, Utah

UTU-74392



Legend

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

Production Phase:

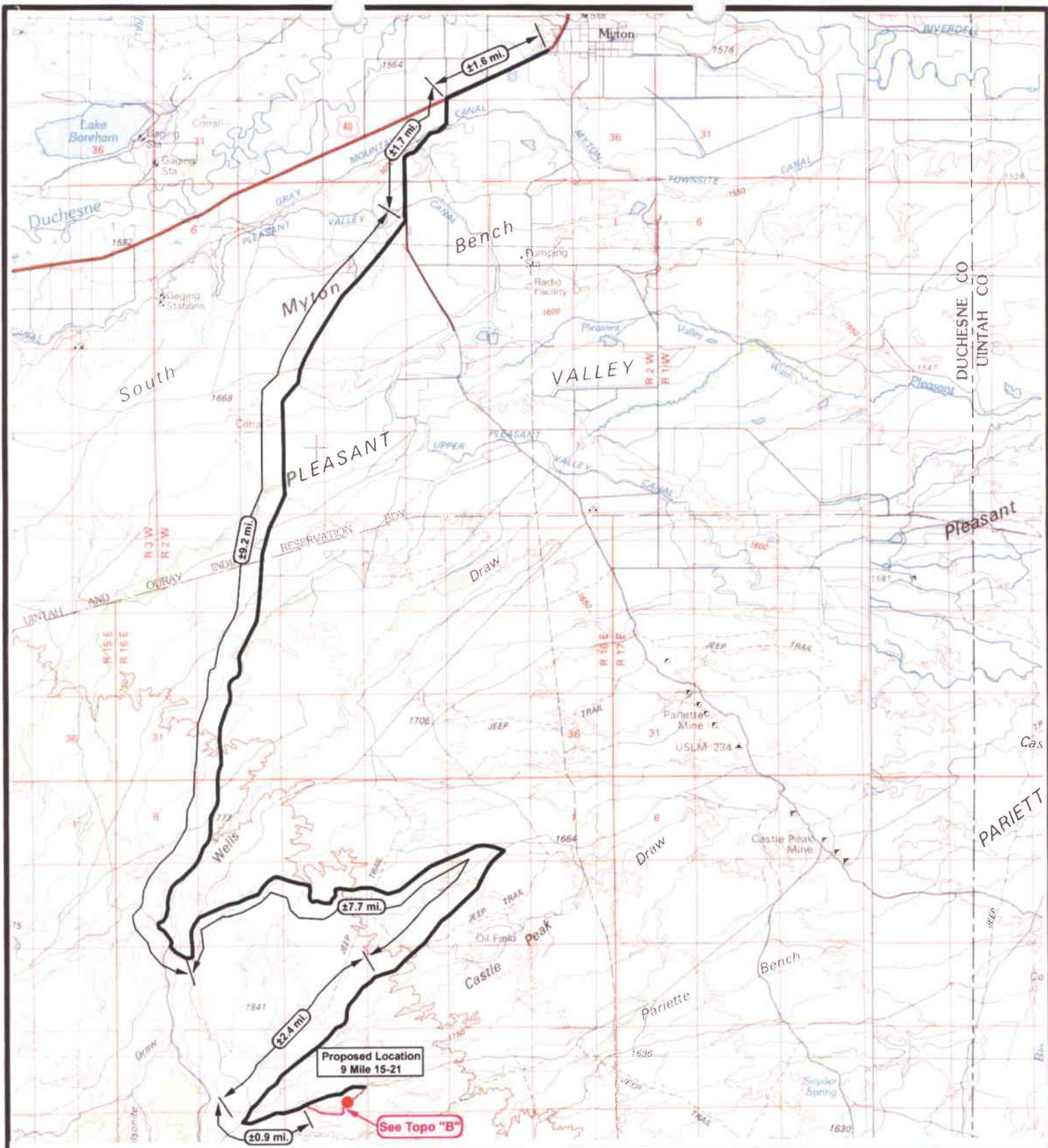
- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

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

Draining Phase:

- 1) Valves 1 and 6 open



NEWFIELD
Exploration Company

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



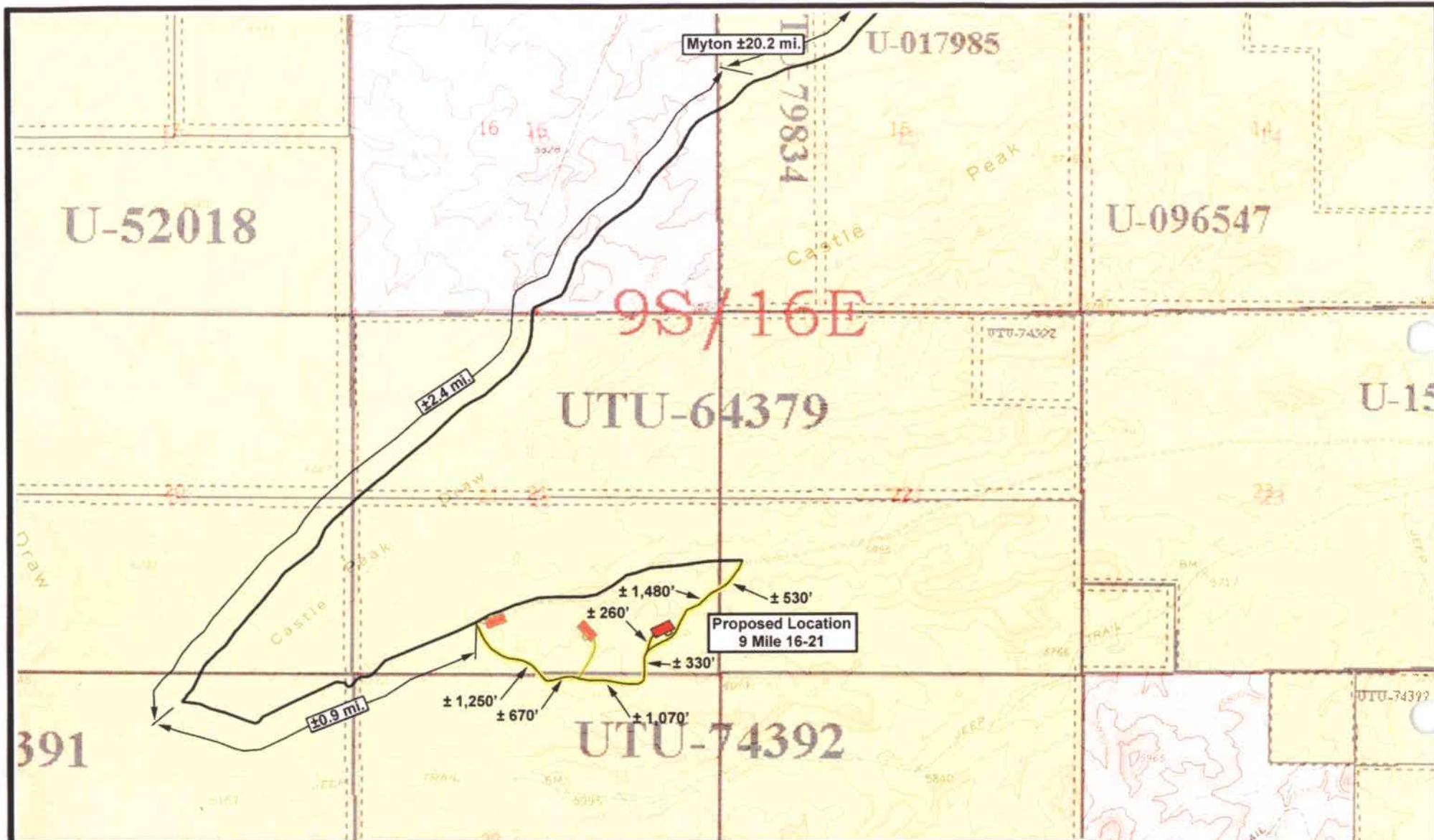
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

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

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



 **NEWFIELD**
Exploration Company

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



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

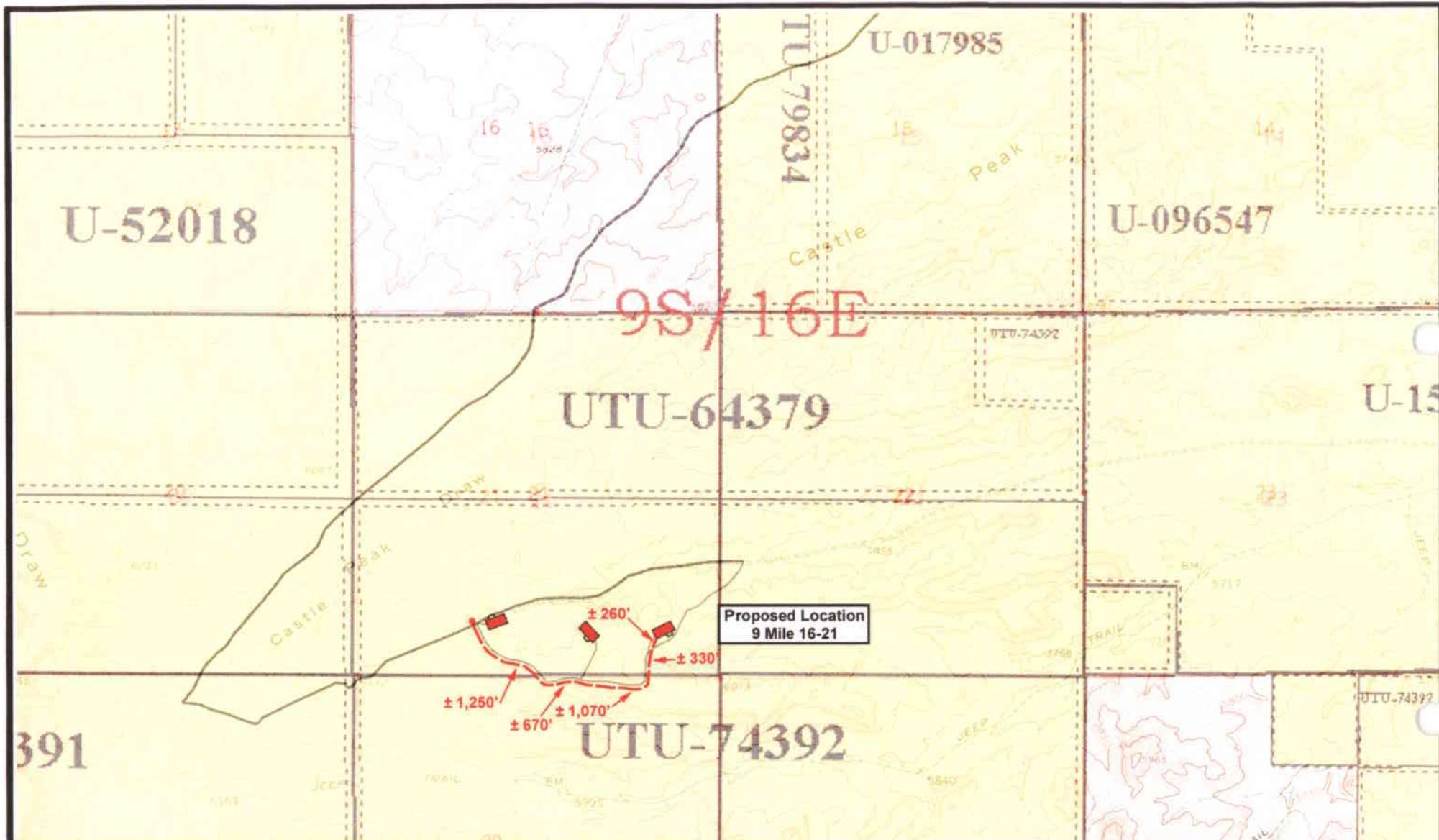
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 04-04-2006

Legend

 Existing Road

 Proposed Access

TOPOGRAPHIC MAP
"B"



 **NEWFIELD**
Exploration Company

9 Mile 16-21-9-16
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: 04-04-2006

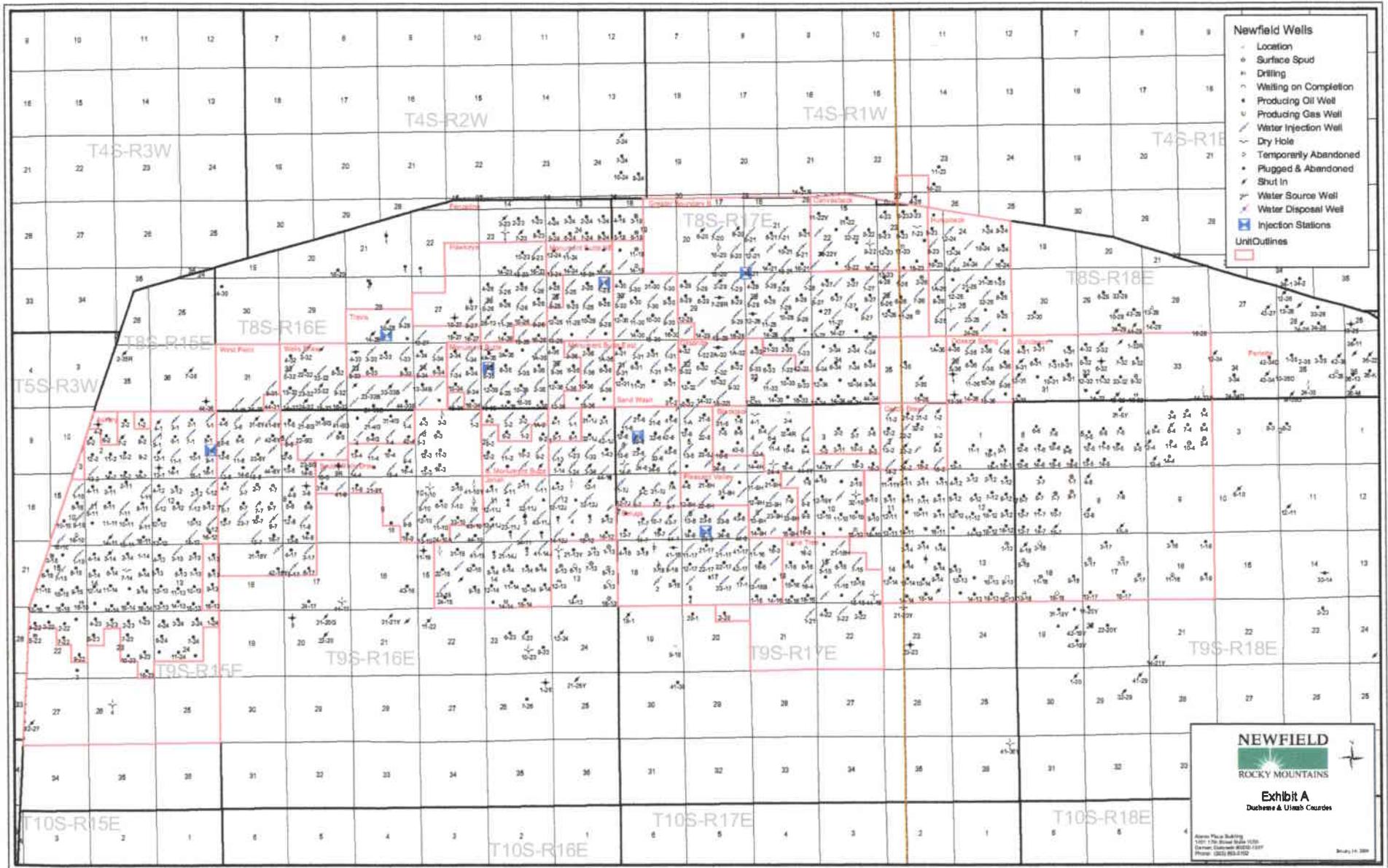
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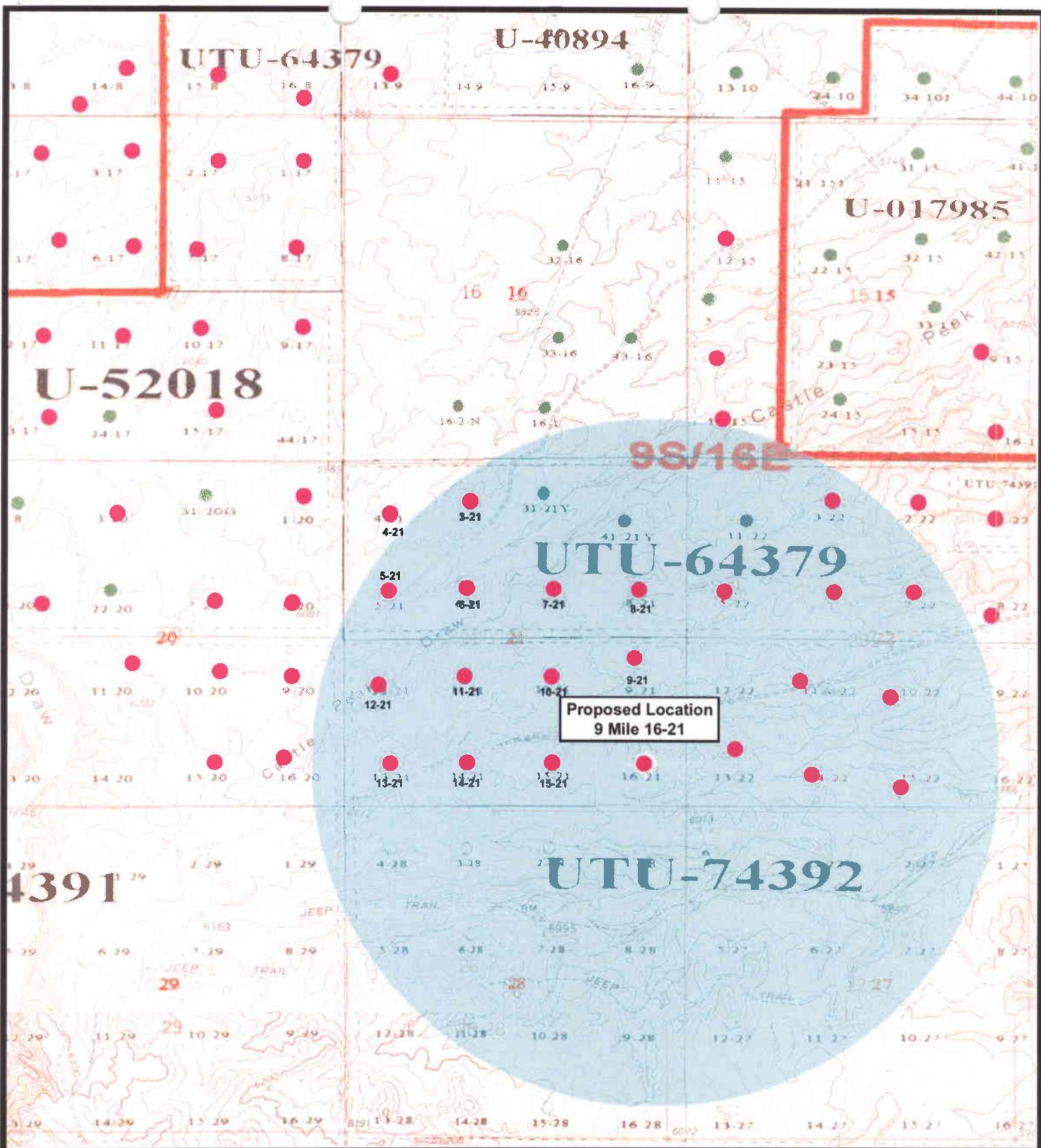
 Roads

 Proposed Gas Line

TOPOGRAPHIC MAP

"C"





 **NEWFIELD**
Exploration Company

9 Mile 16-21-9-16
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: 04-04-2006

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

Exhibit "D"
Page 1 of 2

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

By:

Katie Simon

Prepared For:

Bureau fo Land Management
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 05-240

July 25, 2005

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

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

NEWFIELD PRODUCTION COMPANY

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

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

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/26/2006

API NO. ASSIGNED: 43-013-33165

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

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SESE 21 090S 160E
 SURFACE: 0606 FSL 0831 FEL
 BOTTOM: 0606 FSL 0831 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.01075 LONGITUDE: -110.1172
 UTM SURF EASTINGS: 575350 NORTHINGS: 4429114
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-74392
 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: Sp. Separate Allow

STIPULATIONS: 1-Federal Approval
2 Spacing Strip

MONUMENT BUTTE FIELD



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 21 T. 9S R. 16E

FIELD: MONUMENT BUTT (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status

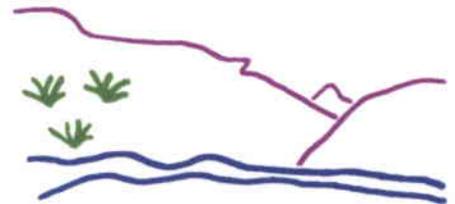
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

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

Wells Status

- * GAS INJECTION
- * GAS STORAGE
- x LOCATION ABANDONED
- o NEW LOCATION
- ◇ PLUGGED & ABANDONED
- * PRODUCING GAS
- PRODUCING OIL
- * SHUT-IN GAS
- * SHUT-IN OIL
- x TEMP. ABANDONED
- o TEST WELL
- △ WATER INJECTION
- WATER SUPPLY
- ⚡ WATER DISPOSAL
- ⚡ DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 27-APRIL-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

April 27, 2006

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

Re: Federal 16-21-9-16 Well, 606' FSL, 831' FEL, SE SE, 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 43-013-33165.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 26 2006

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-74392
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 16-21-9-16
9. API Well No. 43-013-33165
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SE/SE Sec. 21, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	
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 SE/SE 606' FSL 831' FEL At proposed prod. zone	
14. Distance in miles and direction from nearest town or post office* Approximatley 24.2 miles southwest of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 2034' #/lse, NA #/unit	16. No. of Acres in lease 2080.00
17. Spacing Unit dedicated to this well 40 Acres	18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1170'
19. Proposed Depth 6010'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6027' GL	22. Approximate date work will start* 3rd Quarter 2006
23. Estimated duration Approximately seven (7) days from spud to rig release	

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 4/25/06
Title Regulatory Specialist		
Approved by (Signature) <i>Jay Kemp</i>	Name (Printed/Typed) Jesse Kervelt	Date 2-13-2007
Title Assistant Field Manager Lands & Mineral Resources		

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

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

RECEIVED
JAN 14 2007
DIV. OF OIL, GAS & MINING

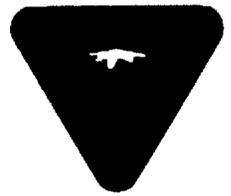


078M 4723A



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:** SESE, Sec 21, T9S, R16E
Well No: Federal 16-21-9-16 **Lease No:** UTU-74392
API No: 43-013-33165 **Agreement:** N/A

Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	Cell: 435-828-
Petroleum Engineer:	James Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
NRS/Environmental Scientist:	Scott Ackerman	Office: 435-781-4437	
NRS/Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
NRS/Environmental Scientist:	Jannice Cutler	Office: 435-781-3400	
NRS/Environmental Scientist:	Michael Cutler	Office: 435-781-3401	
NRS/Environmental Scientist:	Anna Figueroa	Office: 435-781-3407	
NRS/Environmental Scientist:	Melissa Hawk	Office: 435-781-4476	
NRS/Environmental Scientist:	Chuck Macdonald	Office: 435-781-4441	
NRS/Environmental Scientist:	Nathan Packer	Office: 435-781-3405	
NRS/Environmental Scientist:	Verlyn Pindell	Office: 435-781-3402	
NRS/Environmental Scientist:	Holly Villa	Office: 435-781-4404	
NRS/Environmental Scientist:	Darren Williams	Office: 435-781-4447	
NRS/Environmental Scientist:	Karl Wright	Office: 435-781-4484	
After Hours Contact Number:	435-781-4513	Fax: 435-781-4410	

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

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

NOTIFICATION REQUIREMENTS

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

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

STIPULATIONS:

Lease Notices (field review and RMP): Lessee/operator is given notice the area has been identified as containing Golden Eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden and/or their habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.

Comments: None of the suspected species (or their burrows or nests) was identified on or near the location.

CONDITIONS OF APPROVAL:

1. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
2. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
3. 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.
4. The access road will be crowned and ditched. Flat-bladed roads are not allowed.
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. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
7. Pipelines will be buried at all major drainage crossings.
8. Prevent fill and stock piles from entering drainages.
9. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
10. The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
11. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
12. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
13. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

14. The interim seed mix for this location shall be:

Crested wheatgrass (*Agropyron cristatum*): 4 lbs/acre
Needle and Threadgrass (*Hesperostipa comata*): 4 lbs/acre
Indian Ricegrass (*Achnatherum hymenoides*): 4 lbs/acre

All pounds are in pure live seed.

Rates are set for drill seeding; double the rate if broadcasting.

Reseeding may be required if initial seeding is not successful.

15. The operator will be responsible for treatment and control of invasive and noxious weeds.
16. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
17. Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding shall take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
18. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
19. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
20. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
21. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
22. Notify the Authorized Officer 48 hours prior to surface disturbing activities.

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. Production casing cement shall be brought up and into the surface.

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 a 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 (¼¼, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - g. Unit agreement and / or participating area name and number, if applicable.

h. Communitization agreement number, if applicable.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU-74392

6. If Indian, Allottee or Tribe Name
NA

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

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

9. API Well No.
43-013-33165

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
606 FSL 831 FEL SE/SE Section 21, T9S R16E

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

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

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

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

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 4/27/06 (expiration 4/27/07).

This APD was approved by the BLM on 2/12/07.

Approved by the
Utah Division of
Oil, Gas and Mining

4-10-07
RM

Date: 04-09-07
By: [Signature]

RECEIVED
APR 09 2007
DIV. OF OIL, GAS & MINING

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

Signed Mandie Crozier Title Regulatory Specialist Date 4/4/2007
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: Utah DOGM

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

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

API: 43-013-33165
Well Name: Federal 16-21-9-16
Location: SE/SE Section 21, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 4/27/2006

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

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

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

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

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

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

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

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

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

Mandi Crozier
Signature

4/4/2007
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
APR 09 2007
DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 16-21-9-16

Api No: 43-013-33165 Lease Type: FEDERAL

Section 21 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 05/07/07

Time 4:30 PM

How DRY

Drilling will Commence: _____

Reported by JOHNNY DAVIS

Telephone # (435) 823-3610

Date 05/08/07 Signed CHD

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

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84062

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
B	99999	12187	4301333264	<i>Hawkeye</i> FEDERAL I-26-8-16	SENE	26	8S	16E	DUCHESNE	5/11/2007	5/30/07
WELL 1 COMMENTS: <i>B HL = C NE/4 GRU</i>											
A	99999	16132	4301333100	FEDERAL 6-19-9-16	SENW	19	9S	16E	DUCHESNE	5/13/2007	5/30/07
<i>GRU</i>											
A	99999	16133	4301333148	FEDERAL 13-22-9-16	SWSW	22	9S	16E	DUCHESNE	5/13/2007	5/30/07
<i>GRU</i>											
A	99999	16134	4301333165	FEDERAL 16-21-9-16	SESE	21	9S	16E	DUCHESNE	5/13/2007	5/30/07
<i>GRU</i>											
A	99999	16135	4301333110	FEDERAL 10-21-9-16	NWSE	21	9S	16E	DUCHESNE	5/13/2007	5/30/07
WELL 4 COMMENTS: <i>GRU</i>											
A	99999	16136	4301333149	FEDERAL 11A-22-9-16	NESE	22	9S	16E	DUCHESNE	5/16/2007	5/30/07
WELL 5 COMMENTS:											

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

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

RECEIVED
MAY 16 2007

DIV. OF OIL, GAS & MINING

Signature Jenri Park
Production Clerk April 18, 2007
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
USA UTU-74392

6. If Indian, Allottee or Tribe Name.

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

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

9. API Well No.
4301333165

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)
606 FSL 831 FEL
SESE Section 21 T9S R16E

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

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

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

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

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

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

RECEIVED
JUL 09 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 07/06/2007

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

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

(Instructions on reverse)

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74392

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 16-21-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-33165

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 **606' FSL & 831' FEL (SE/SE) 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. **43-013-33165** DATE ISSUED **04/27/07**

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

05/07/07

16. DATE T.D. REACHED

06/14/07

17. DATE COMPL. (Ready to prod.)

07/05/07

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

6027' GL

19. ELEV. CASINGHEAD

6039' KB

20. TOTAL DEPTH, MD & TVD

5900'

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

5876'

22. IF MULTIPLE COMPL., HOW MANY*

----->

23. INTERVALS DRILLED BY

X

ROTARY TOOLS

CABLE TOOLS

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

Green River 4587'-5716'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

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

27. WAS WELL CORED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5900'	7-7/8"	328 sx Premlite II and 402 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 @ 5786'	TA @ 5689'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP5) 5704'-5716'	.49"	4/48	5704'-5716'	Frac w/ 55,584# 20/40 sand in 485 bbls fluid
(A1) 4946'-4964'	.43"	4/72	5946'-4964'	Frac w/ 140,302# 20/40 sand in 956 bbls fluid
(C) 4685'-4692'	.43"	4/28	4685'-4692'	Frac w/ 24m299# 20/40 sand in 323 bbls fluid
(D2) 4587'-4595'	.43"	4/32	4587'-4595'	Frac w/ 72,627# 20/40 sand in 606 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 07/05/07	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 12' x 16' RHAC SM Plunger Pump	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 66	GAS--MCF. 41	WATER--BBL. 51	GAS-OIL RATIO 621
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

Sold & Used for Fuel

TEST WITNESSED BY
RECEIVED

35. LIST OF ATTACHMENTS

JUL 27 2007

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

SIGNED

Jentri Park

TITLE

Production Clerk

DATE **7/24/2007**

Jentri Park

DIV. OF OIL, GAS & MINING

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 16-21-9-16	Garden Gulch Mkr	3549'	
				Garden Gulch 1	3741'	
				Garden Gulch 2	3852'	
				Point 3 Mkr	4094'	
				X Mkr	4356'	
				Y-Mkr	4390'	
				Douglas Creek Mkr	4505'	
				BiCarbonate Mkr	4738'	
				B Limestone Mkr	4854'	
				Castle Peak	5386'	
				Basal Carbonate	5824'	
				Total Depth (LOGGERS)	5899'	

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

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74392
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

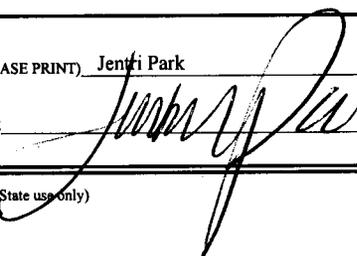
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. WELL NAME and NUMBER: FEDERAL 16-21-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 4301333165
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	PHONE NUMBER 435.646.3721	10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 606 FSL 831 FEL		COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 21, T9S, R16E		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>07/24/2007</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The above subject well was completed on 07/05/07, attached is a daily completion status report.

NAME (PLEASE PRINT) <u>Jenni Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>07/24/2007</u>

(This space for State use only)

RECEIVED
JUL 27 2007
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 16-21-9-16

5/1/2007 To 9/30/2007

6/28/2007 Day: 1

Completion

Rigless on 6/27/2007 - 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 @ 5847' & cement top @ 244'. Perforate stage #1. CP5 sds @ 5704-16' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. 139 BWTR. SIFN.

6/29/2007 Day: 2

Completion

Rigless on 6/28/2007 - RU BJ Services. 0 psi on well. Frac CP5 sds w/ 55,584#'s of 20/40 sand in 485 bbls of Lightning 17 fluid. Broke @ 3143 psi. Treated w/ ave pressure of 2306 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2630 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through plug & 18' perf gun. Set plug @ 5060'. Perforate A1 sds @ 4946- 64' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 72 shots. Leave pressure on well. SIWFN w/ 624 BWTR.

7/2/2007 Day: 3

Completion

Rigless on 7/1/2007 - RU BJ Services. 1713 psi on well. Frac A1 sds w/ 140,302#'s of 20/40 sand in 956 bbls of Lightning 17 fluid. Broke @ 4063 psi. Treated w/ ave pressure of 1929 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2095 psi. Leave pressure on well. 1580 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid plug & 7' perf gun. Set plug @ 4790'. Perforate C sds @ 4685- 92' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 430 psi on well. Frac C sds w/ 24,299#'s of 20/40 sand in 323 bbls of Lightning 17 fluid. Broke @ 4212 psi. Treated w/ ave pressure of 1973 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1950 psi. Leave pressure on well. 1903 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid plug & 8' perf gun. Set plug @ 4650'. Perforate D2 sds @ 4587- 95' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 32 shots. RU BJ Services. 112 psi on well. Frac D2 sds w/ 72,627#'s of 20/40 sand in 606 bbls of Lightning 17 fluid. Broke @ 2510 psi. Treated w/ ave pressure of 1400 psi @ ave rate of 24.7 BPM. ISIP 1838 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 3 1/2 hrs & died. Rec 204 BTF. MIRU NC Rig #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. SIWFN w/ 2305 BWTR.

7/3/2007 Day: 4

Completion

NC #1 on 7/2/2007 - 6:30AM OWU, P/U & RIH W/-4 3/4 Bit, Bit Sub, 146 Jts Tbg, To Fill @ 4586', R/U Nabors Pwr Swvl, C/Out To Plg @ 4650', Drill Up Plg, Swvl I/Hle To Fill @ 4689', C/Out To Plg @ 4790', Drill Up Plg, Swvl I/Hle To Fill @ 4972', C/Out To Plg @ 5060', Drill Up Plg, Swvl I/Hle To Fill @ 5701', C/Out To PBDT @ 5876', Curc Well Clean 1 Hr, R/D Swvl, POOH W/-5 Jts Tbg, EOB @ 5744', SWI, 6:30 C/SDFN, Lost 63 Bbls Wtr On Drill Out To PBDT.

7/5/2007 Day: 5

Completion

NC #1 on 7/4/2007 - 6:30AM OWU, R/U Swab, RIH, IFL @ Surf, Made 14 Swab Runs, Recvred 157 Bbls Wtr, Lite Trce Oil, Lite Trce Sand, FFL @ 2200', RIH W/-Tbg To Fill @ 5874', 2' Of Fill On PBTD, R/U R/pmp & C/Out To PBTD @ 5876', Curc Well Clean, POOH W/-187 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-2 1/2x1 1/2x12x16' RHAC, 6-1 1/2x25' Wt Bars, 20-3/4x25' Scrapered Rods, 90-3/4x25' Slick Rods, SWI, 6:30PM C/SDFN. Lost 120 Bbls Wtr On C/Out To PBTD & Flshing Tbg, Total Wtr Recvery For Day = 37 Bbls.

7/6/2007 Day: 6

Completion

NC #1 on 7/5/2007 - 6:30AM OWU, P/U & RIH W/-12-3/4X25' Slick Rods, 99-3/4x25' Scrapered Rods, 3/4x8'-4'-2' Ponys, 1 1/2X26' Polish Rod, R/U Unit, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Eq, R/D Rig. POP @ 10:00AM, 76'' SL, 5 1/2 SPM, (Final Report).

Pertinent Files: Go to File List

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392
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 16-21-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013331650000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0606 FSL 0831 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 21 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/7/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="New Perforation"/>

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 07/07/2014. One interval was perforated, D1 sands - 4528-4534' 3 JSPF. On 07/07/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/07/2014 the casing was pressured up to 129 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an State representative available to witness the test.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: _____
 By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/10/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date: 7/7/2014 Time: 2:45 P.M.

Test Conducted by: Everett Unruh

Others Present: _____

Well:	Federal 16-21-9-16	Field:	Monument Butte
Well Location:	SESE Sec 21 T9S R16E Duchesne County, UT	API No:	43-013-31372

Time	Casing Pressure
0 min	<u>1520</u> psig
5	<u>1521</u> psig
10	<u>1522</u> psig
15	<u>1524</u> psig
20	<u>1525</u> psig
25	<u>1527</u> psig
30 min	<u>1529</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing Pressure: 0 psig

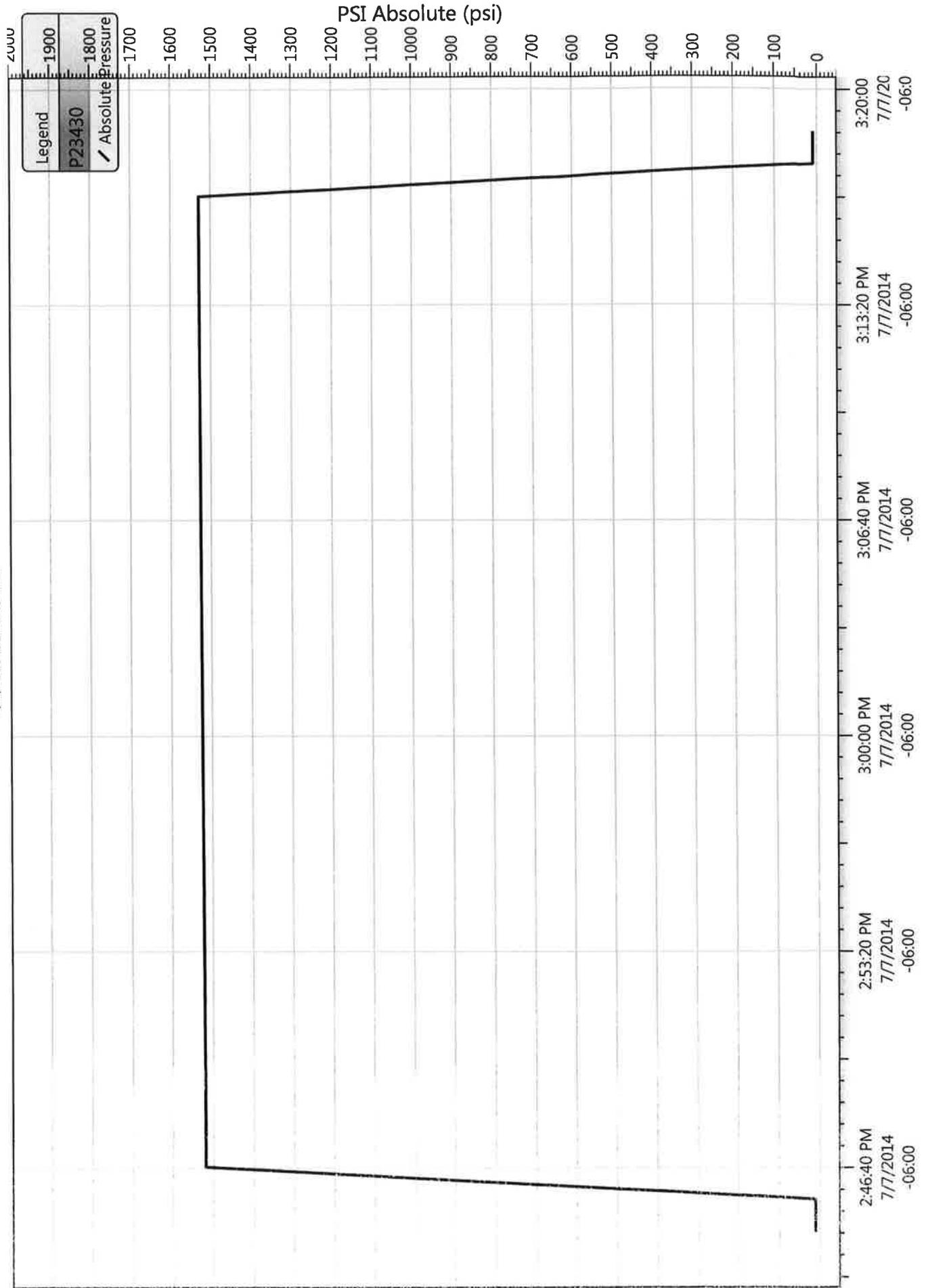
Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Unruh

Federal 16-21-9-16 (7-7-2014, conversion MIT)

7/7/2014 2:43:50 PM





Well Name: Federal 16-21-9-16

Job Detail Summary Report

Jobs	Job Start Date	6/30/2014	Job End Date	7/7/2014
Primary Job Type	Conversion			

Daily Operations		24hr Activity Summary
Report Start Date	Report End Date	MIRUSU. LD rod string. TOOH w/ tbg (breaking collars & applying liquid O-ring to threads).
6/30/2014	7/1/2014	
Start Time	End Time	Comment
	06:00	Crew Travel
Start Time	End Time	Comment
	07:00	Load out & move from FED 6-19 TO FED 6-21. MIRU Same, Pump 60 BBLS H2O Down CSG, Remove head
Start Time	End Time	Comment
	10:30	Rods parted, TOOH W/ 65-3/4" 4 PER & 15' of 66th 3/4" 4 per, body break
Start Time	End Time	Comment
	11:00	PU & TIH W/ Overshot latch onto fish unseat pump @ 8000# Over string WT, Flush rods W/ 40 BBLS H2O, Fill & test TBG To 3000 PSI-OK
Start Time	End Time	Comment
	12:15	
Start Time	End Time	Comment
	15:00	LD 1 1/2 X 26" Polish rod 1-3/4" 4' Pony rod, 100-3/4" 4 PER, 69 3/4" Sticks, 53-3/4" 4 per 6 1 1/2" WT Bars, LD 2 1/2 X 1 1/2 X 16 RHAC, Stopped 3 times & flushed W/ TOT Of 60 BBLS H2O
Start Time	End Time	Comment
	16:45	ND Wellhead, Unset 5 1/2 B-2 TAC, Strip on 5000# BOPS, RU Floor & TBG Works
Start Time	End Time	Comment
	18:00	TOOH Breaking & Redoping every collar W/ 40 JTS 2 7/8" TBG
Start Time	End Time	Comment
	19:00	Crew Travel
Start Time	End Time	Comment
	00:00	SDFN
24hr Activity Summary		24hr Activity Summary
Report Start Date	Report End Date	Continue TOOH w/ tbg while breaking collars & applying liquid O-ring to threads. ND 3K wellhead & NU 5K wellhead & BOPS. Pressure test csg. Perforate new perfs. Attempt break down of perfs.
7/1/2014	7/2/2014	
Start Time	End Time	Comment
	06:00	SDFN
Start Time	End Time	Comment
	07:00	Crew travel
Start Time	End Time	Comment
	07:00	CONT TOOH Breaking & Redoping every collar W/ 60 JTS 2 7/8" TBG
Start Time	End Time	Comment
	09:00	Flush TBG W/ 60 BBLS H2O
Start Time	End Time	Comment
	09:30	CONT TOOH Breaking & Redoping every collar W/ 41 JTS 2 7/8" TBG, CONT LD 37 JTS, LD 5 1/2" B-2 TAC, PSN & NC
Start Time	End Time	Comment
	11:30	ND Stripping head, RU Wireline, Set WRP @ 4570'
Start Time	End Time	Comment
	13:30	RD Floor & TBG, ND 5K BOPS, Change out 3K To 5K Wellheads, NU 5K Frac valve & 5K Single blind ram, PRESS Test CSG & WRP To 4200 PSI
Start Time	End Time	Comment
	15:00	
Start Time	End Time	Comment
	17:30	PERF Zone 4528-34', Try breaking down zone, press up to 4200 PSI, PRESS Up & bleed off a few times, Would not break. Press up to 4350 PSI, Leave PRESS Overnight
Start Time	End Time	Comment
	18:30	Crew travel
Start Time	End Time	Comment
	00:00	SDFN
24hr Activity Summary		24hr Activity Summary
Report Start Date	Report End Date	Frac & flowback D-1 sands. TIH w/ kill string.
7/2/2014	7/3/2014	



Well Name: Federal 16-21-9-16

Job Detail Summary Report

Start Time	00:00	End Time	06:00	Comment
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	07:30	Crew travel
Start Time	07:30	End Time	09:00	CK PRESS 3000 PSI, Bleed off & PRESS up to 4200 PSI 3 times, Started Injecting @ 4200 PSI @ 1/4 BPM
Start Time	09:00	End Time	11:00	Wait for WL truck to bail acid
Start Time	11:00	End Time	12:00	RU Wireline, Dump bail acid, Break down PERFS 4528-34', Broke @ 4200 PSI back to 2000 PSI, INJ 5 BBLS W/ 2000 PSI @ 1/2 BPM, ISIP @ 1900 PSI, RD Wireline
Start Time	12:00	End Time	14:30	RU Frac crew
Start Time	14:30	End Time	16:15	Comment
Start Time	16:15	End Time	17:30	Flow back well, Flowed back 60 BBLS H2O, ND Single blind ram, NU PROD BOPS, RU Floor & TBG works
Start Time	17:30	End Time	18:30	PU & TIH W/ RH & 60 JTS 2 7/8" TBG EOT @ 1888', CIRC well clean
Start Time	18:30	End Time	00:00	Crew travel
Report Start Date	7/3/2014	Report End Date	7/4/2014	SDFN
Start Time	00:00	End Time	06:00	Comment
Start Time	06:00	End Time	07:00	Retrieve RBP. TOOH w/ tbg & ld RBP. TIH w/ injection string.
Start Time	07:00	End Time	09:30	SDFN
Start Time	09:30	End Time	11:30	Crew travel
Start Time	11:30	End Time	13:00	CONT TIH W/ 86 JTS 2 7/8" TBG, CIRC 60' Of sand off WRP, REL WRP
Start Time	13:00	End Time	17:00	Comment
Start Time	17:00	End Time	18:00	TOOH W/ 86 JTS 2 7/8 TBG, Flush TBG W/ 30 BBLS H2O, CONT TOOH W/ 52 JTS 2 7/8 TBG, LD 5 JTS & WRP
Start Time	18:00	End Time	00:00	Comment
Report Start Date	7/7/2014	Report End Date	7/8/2014	PU & TIH W/ 2 3/8 Reentry guide, 2 3/8 XN Nipple, 2 3/8 4' TBG SUB, X-Over, 5 1/2 Arrowset-1 PKR, On/off tool, PSN & 141 JTS 2 7/8" TBG, Pump 15 BBL Pad, CIRC SV To PSN
Start Time	00:00	End Time	06:00	Test TBG To 3000 PSI, Lost 40 PSI In last 30 MIN, Leave PRESS over weekend
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	07:15	Crew travel
Start Time	07:00	End Time	07:15	SDFN
Report Start Date	7/7/2014	Report End Date	7/8/2014	Comment
Start Time	00:00	End Time	06:00	Pressure test tbg. Blew hole. TOOH & replace bad tbg. TIH w/ tbg & pressure test tbg. Pump packer fluid & pressure test annulus. RDMOSU
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	07:15	Comment
Start Time	07:00	End Time	07:15	Crew travel
Start Time	07:00	End Time	07:15	CK PRESS On TBG 0 PSI, PRESS Up on TBG Blew hole @ 2500 PSI



Job Detail Summary Report

Well Name: Federal 16-21-9-16

Start Time	07:15	End Time	08:15	Comment
Start Time	08:15	End Time	09:00	TIH W/ 20 JTS 2 7/8 TBG, Test TBG To 4000 PSI -OK, CONT TIH W/ 117 JTS 2 7/8" TBG Test TBG To 3000 PSI For 30 MIN-Good test.
Start Time	09:00	End Time	11:30	RU & RIH W/ Sandline RET SV, RD Floor & TBG Works, Strip off 5000# BOPS & Frac valve, Land TBG W/ B-1 Adaptor flange
Start Time	11:30	End Time	12:30	Comment Pump 60 BBL/S Fresh H2O & PKR Fluid down CSG, Set 5 1/2" Arrowset-1 PKR W/ 15000# Tension @ 4463', PSN @ 4456', EOT @ 4473', Land TBG W/ B-1 Adaptor flange, NU Wellhead
Start Time	12:30	End Time	14:00	Comment Test CSG To 1500 PSI
Start Time	14:00	End Time	14:45	Comment On 07/07/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/07/2014 the casing was pressured up to 1529 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.
Start Time	14:45	End Time	16:30	Comment RDMO
Start Time	16:30	End Time	17:30	Comment Crew travel

NEWFIELD

Schematic

Well Name: Federal 16-21-9-16

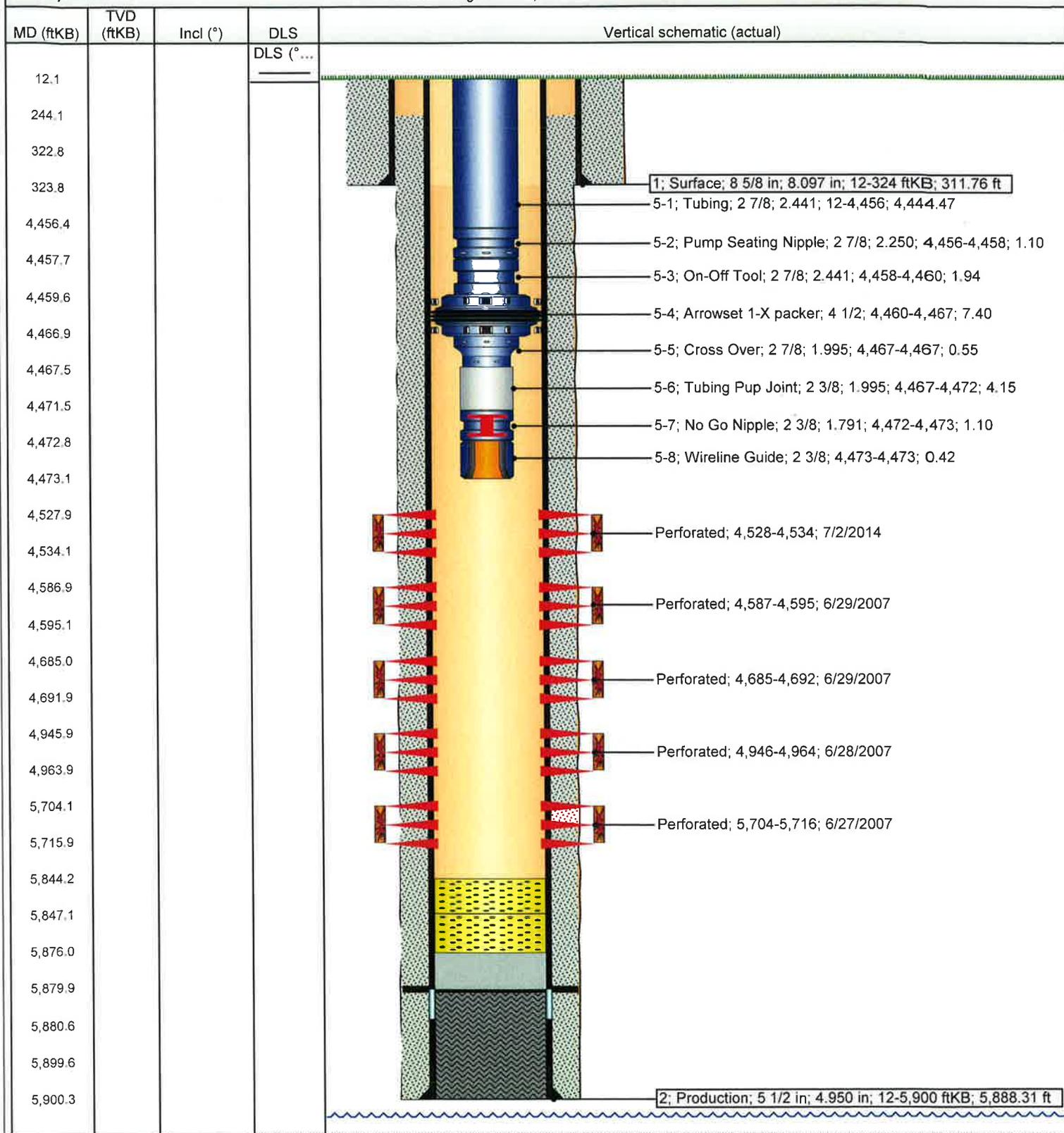
Surface Legal Location 21-9S-16E			API/UWI 43013331650000	Well RC 500158551	Lease	State/Province Utah	Field Name GMBU CT B6	County DUCHESNE
Spud Date 5/7/2007	Rig Release Date 6/15/2007	On Production Date 7/5/2007	Original KB Elevation (ft) 6,039	Ground Elevation (ft) 6,027	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 5,879.9	

Most Recent Job

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

TD: 5,900.3

Vertical - Original Hole, 7/10/2014 8:16:39 AM



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

Surface Legal Location 21-9S-16E		API/UWI 43013331650000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 5/7/2007		Spud Date 5/7/2007		Final Rig Release Date 6/15/2007	
Original KB Elevation (ft) 6,039		Ground Elevation (ft) 6,027		Total Depth (ftKB) 5,900.3	
				Total Depth All (TVD) (ftKB)	
				PBTB (All) (ftKB) Original Hole - 5,879.9	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/7/2007	8 5/8	8.097	24.00	J-55	324
Production	6/15/2007	5 1/2	4.950	15.50	J-55	5,900

Cement**String: Surface, 324ftKB 5/17/2007**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 323.8	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,900ftKB 6/15/2007

Cementing Company BJ Services Company		Top Depth (ftKB) 244.0	Bottom Depth (ftKB) 5,900.3	Full Return?	Vol Cement Ret (bbl)
Fluid Description w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 328	Class PL II	Estimated Top (ftKB) 244.0
Fluid Description W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 402	Class 50/50 Poz	Estimated Top (ftKB) 3,000.0

Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		7/7/2014		4,473.1				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	141	2 7/8	2.441	6.50	J-55	4,444.47	12.0	4,456.5
Pump Seating Nipple	1	2 7/8	2.250			1.10	4,456.5	4,457.6
On-Off Tool	1	2 7/8	2.441			1.94	4,457.6	4,459.5
Arrowset 1-X packer	1	4 1/2				7.40	4,459.5	4,466.9
Cross Over	1	2 7/8	1.995			0.55	4,466.9	4,467.5
Tubing Pup Joint	1	2 3/8	1.995	4.70	j-55	4.15	4,467.5	4,471.6
No Go Nipple		2 3/8	1.791			1.10	4,471.6	4,472.7
Wireline Guide		2 3/8				0.42	4,472.7	4,473.1

Rod Strings

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Cement (PBTB)	5,876	5,880	7/3/2007	
Fill	5,847	5,876	5/22/2008	
Fill	5,844	5,847	8/24/2010	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
5	D-1, Original Hole	4,528	4,534	3	120	0.340	7/2/2014
4	D2 sds, Original Hole	4,587	4,595	4	90	0.430	6/29/2007
3	C sds, Original Hole	4,685	4,692	4	90	0.430	6/29/2007
2	A1 sds, Original Hole	4,946	4,964	4	90	0.430	6/28/2007
1	CP5 sds, Original Hole	5,704	5,716	4	120	0.490	6/27/2007

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,630	0.9	24.8	2,631			
2	2,095	0.86	25.3	1,700			
3	1,950	0.85	24.6	2,193			
4	1,838	0.84	24.8	2,785			
5	1,742	0.817	27.6	4,197	489	526	489

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 55584 lb
2		Proppant White Sand 140302 lb

NEWFIELD

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



Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
3		Proppant White Sand 24299 lb
4		Proppant White Sand 72627 lb
5	15,100	Main White Sand 15100 lbs

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74392	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 16-21-9-16	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013331650000	
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0606 FSL 0831 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE 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: 7/31/2014 <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 10:00 AM 07/31/2014.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 01, 2014			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 8/1/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-420

Operator: Newfield Production Company
Well: Federal 16-21-9-16
Location: Section 21, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33165
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 8, 2014.
2. Maximum Allowable Injection Pressure: 1,808 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,733' – 5,876')
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: 7/29/15

JR/MLR/js

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

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





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 8, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 16-21-9-16, Section 21, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33165

Newfield Production Company:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,733 feet in the Federal 16-21-9-16 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,

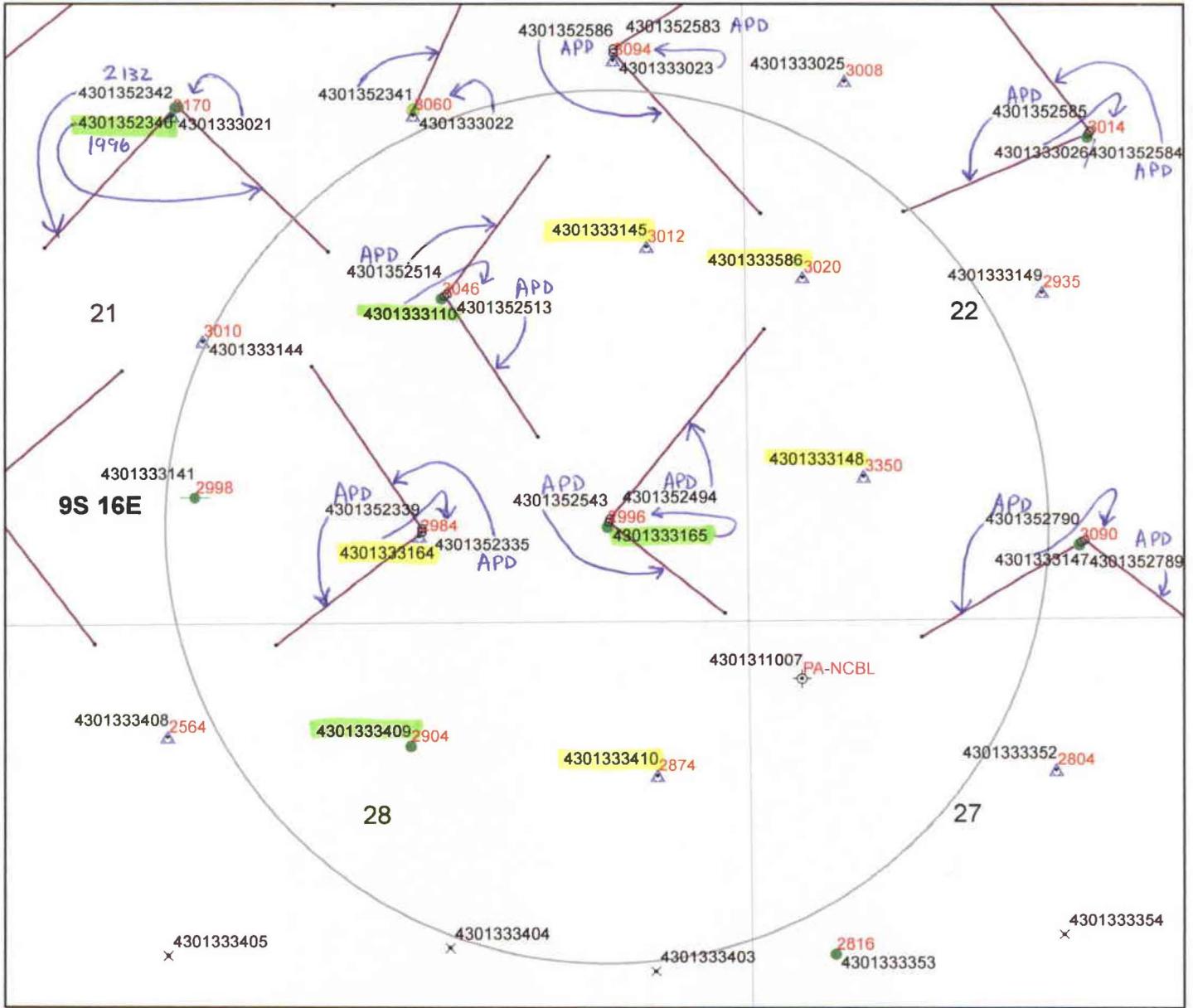
John Rogers
Associate Director

JR/MLR/js

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

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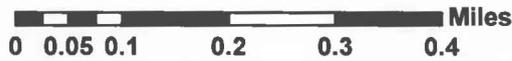
Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well *in AOR*
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well *in AOR*
- WSW-Water Supply Well

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

**Cement Bond Tops
Federal 16-21-9-16
API #43-013-33165
UIC-420.5**



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

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

Location: 21/9S/16E **API:** 43-013-33165

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and leaseholders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 324 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,900 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,996 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,537 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, 5 injection wells, 1 shut-in well (permitted for injection), and 1 P/A well in the AOR. In addition, there is 1 directional producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there are 3 approved surface locations outside the AOR, from which directional wells will be drilled to 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 3,753 feet and 5,876 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 16-21-9-16 well is 0.83 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,808 psig. The requested maximum pressure is 1,808 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 16-21-9-16

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: 5/5/2014

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

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352 RECEIVED	4/17/2014
	APR 24 2014	

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE
8015385340	0000952488 /
SCHEDULE	
Start 04/17/2014	End 04/17/2014
CUST. REF. NO.	
CAUSE NO. UIC-420	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES	
SIZE	
73 Lines	2.00 COLUMNS
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
250.28	

BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-420

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 16, 19, 21, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE 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:
 Federal 10-13-9-16 well located in NW/4 SE/4, Section 13, Township 9 South, Range 16 East
 API 42-013-32653
 Federal 12-13-9-16 well located in NW/4 SW/4, Section 13, Township 9 South, Range 16 East
 API 43-013-32651
 State 16-16-9-16 well located in SE/4 SE/4, Section 16, Township 9 South, Range 16 East
 API 43-013-33854
 Federal 8-19-9-16 well located in SE/4 NE/4, Section 19, Township 9 South, Range 16 East
 API 43-013-33101
 Federal 16-21-9-16 well located in SE/4 SE/4, Section 21, Township 9 South, Range 16 East
 API 43-013-33165
 Federal 12-23-9-16 well located in NW/4 SW/4, Section 23, Township 9 South, Range 16 East
 API 43-013-33179

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 intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 14th day of April, 2014.

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

952488 UPAFLP

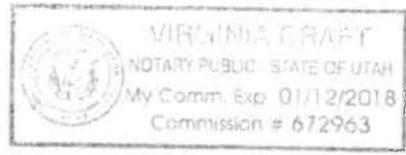
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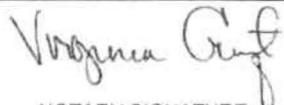
AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES' CAUSE NO. UIC-420 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING, WAS COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104.

PUBLISHED ON Start 04/17/2014 End 04/17/2014

SIGNATURE 

DATE 4/17/2014



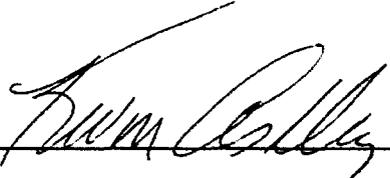

 NOTARY SIGNATURE

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

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, 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 22 day of April, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 27 day of April, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

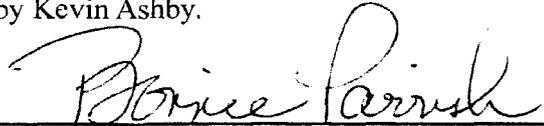


Publisher

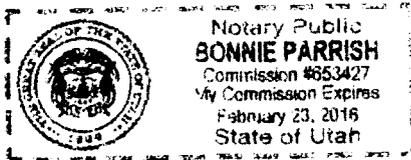
Subscribed and sworn to before me on this

23 day of April, 20 14

by Kevin Ashby.



Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING DEPART- MENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-420

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTIONS
13, 16, 19, 21, and
23, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

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

Greater Monument
Butte Unit:

Federal 10-13-9-16
well located in NW/4
SE/4, Section 13,
Township 9 South,
Range 16 East

API 43-013-32653
Federal 12-13-9-16
well located in NW/4
SW/4, Section 13,
Township 9 South,
Range 16 East

API 43-013-32651
State 16-16-9-16
well located in SE/4
SE/4, Section 16,
Township 9 South,
Range 16 East

API 43-013-33854
Federal 8-19-9-16
well located in SE/4
NE/4, Section 19,
Township 9 South,
Range 16 East

API 43-013-33101
Federal 16-21-9-16
well located in SE/4
SE/4, Section 21,
Township 9 South,
Range 16 East

API 43-013-33165
Federal 12-23-9-16
well located in NW/4
SW/4, Section 23,
Township 9 South,
Range 16 East

API 43-013-33179

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

Selected zones in the Green River Formation will be

Kerrish

Notary Public

Public
KERRISH
#653427
Commission Expires
23, 2016
of Utah

NE/4, Section 19,
Township 9 South,
Range 16 East
API 43-013-33101
Federal 16-21-9-16
well located in SE/4
SE/4, Section 21,
Township 9 South,
Range 16 East
API 43-013-33165
Federal 12-23-9-16
well located in NW/4
SW/4, Section 23,
Township 9 South,
Range 16 East
API 43-013-33179

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

Selected zones
in the Green River
Formation will be
used for water injec-
tion. The maximum
requested injection
pressures and rates
will be determined
based on fracture
gradient informa-
tion 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 demon-
strate at the hearing
how this matter af-
fects their interests.

Dated this 14th day
of April, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MIN-
ING

/s/

Brad Hill

Published in the
Uintah Basin Stan-
dard April 22, 2014.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-420

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 16, 19, 21, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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API 43-013-33101

Federal 16-21-9-16 well located in SE/4 SE/4, Section 21, Township 9 South, Range 16 East
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Federal 12-23-9-16 well located in NW/4 SW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33179

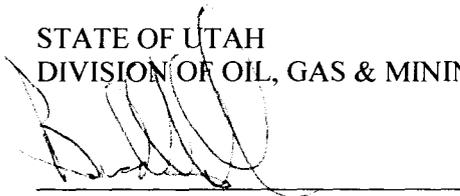
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Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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 14th day of April, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**FEDERAL 10-13-9-16, FEDERAL 12-13-9-16, STATE 16-16-9-16,
FEDERAL 8-19-9-16, FEDERAL 16-21-9-16, FEDERAL 12-23-9-16**

Cause No. UIC-420

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 [legals @ubstandard.com](mailto:legals@ubstandard.com)

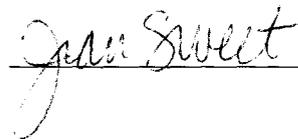
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

April 15, 2014

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-420

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-420

1 message

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

Thu, Apr 17, 2014 at 2:08 PM

On 4/15/2014 9:08 AM, Jean Sweet wrote:

To Whom It May Concern:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

-

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

Received. Thank you. It will publish April 22.
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

April 15, 2014

Via e-mail naclegal@mediaoneutah.com

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-420

To Whom It May Concern:

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

Please send proof of publication and billing for **account #9001402352** to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Order Confirmation for Ad #0000952488-01

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

Total Amount	\$250.28			
Payment Amt	\$0.00			
Amount Due	\$250.28	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	CAUSE NO. UIC-420	
Confirmation Notes:				
Text:	Jean			
Ad Type	Ad Size	Color		
Legal Liner	2.0 X 73 Li	<NONE>		

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	4/17/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	4/17/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	4/17/2014	

Ad Content Proof Actual Size

**BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-420**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 13, 16, 19, 21, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33101
Federal 16-21-9-16 well located in SE/4 SE/4, Section 21, Township 9 South, Range 16 East
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Federal 12-23-9-16 well located in NW/4 SW/4, Section 23, Township 9 South, Range 16 East
API 43-013-33179

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, or 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 14th day of April, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
952488 **UPAXLP**

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

April 7, 2014

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

RECEIVED

APR 08 2014

DIV. OF OIL, GAS & MINING

RE: Permit Application for Water Injection Well
Federal #16-21-9-16
Monument Butte Field, Lease #UTU-74392
Section 21-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

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

A handwritten signature in black ink that reads "Jill L. Loyle". The signature is fluid and cursive.

Jill L. Loyle
Regulatory Associate

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #16-21-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-74392
APRIL 7, 2014

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FEDERAL 16-21-9-16

Spud Date: 05/07/07
 Put on Production: 07/05/07
 GL: 6027' KB: 6039'

Initial Production: BOPD,
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.91')
 DEPTH LANDED: 323.76' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, 3.5 bbls cmt to surf.

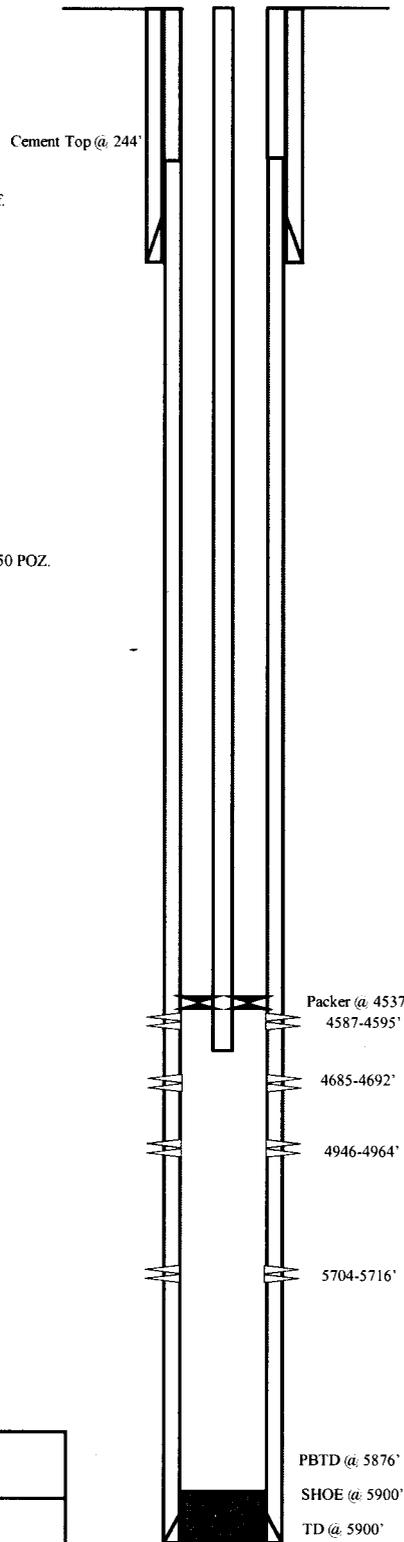
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5887.06')
 DEPTH LANDED: 5900.31' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 328 sxs Prem. Lite II mixed & 402 sxs 50/50 POZ.
 CEMENT TOP: 244'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 /
 NO. OF JOINTS: 180 jts (5663.1')
 TUBING ANCHOR: 5675.1'
 NO. OF JOINTS: 1 jts (31.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5709.3'
 NO. OF JOINTS: 2 jts (61.1')
 TOTAL STRING LENGTH: EOT @ 5772'

Proposed Injection Wellbore Diagram



FRAC JOB

06/28/07	5704-5716'	Frac CP5 sands as follows: 55584# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 2306 psi w/avg rate of 24.5 BPM. ISIP 2630 psi. Calc flush 5702 gal. Actual flush: 5162 gal.
06/29/07	4946-4964'	Frac A1 sands as follows: 140302# 20/40 sand in 956 bbls Lightning 17 frac fluid. Treated @ avg press of 1929 psi w/avg rate of 24.8 BPM. ISIP 2095 psi. Calc flush: 4944 gal. Actual flush: 4439 gal.
06/29/07	4685-4692'	Frac C sands as follows: 24299# 20/40 sand in 323 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 24.6 BPM. ISIP 1950 psi. Calc flush: 4683 gal. Actual flush: 4225 gal.
06/29/07	4587-4595'	Frac D2 sands as follows: 72627# 20/40 sand in 606 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 1838 psi. Calc flush: 4585 gal. Actual flush: 4536 gal
10/16/07		Stuck Pump. Updated rod & tubign details.
05/27/08		Major Workover. Rod & Tubing updated.
05/27/08	4587-4595'	Acidize D2 sands: Pump 250 gals techni-hib 767, W/ 200 gals acid, ISIP @ 1339 psi.
05/27/08	4685-4692'	Acidize C sands: Pump 250 gals techni-hib 767, W/ 200 gals acid, ISIP @ 1343 psi.
05/27/08	4946-4964'	Acidize A1 sands: Pump 500 gals techni-hib 767, W/ 400 gals acid, ISIP @ 1179 psi
05/27/08	5704-5716'	Acidize CP5 sands: Pump 375 gals techni-hib 767, W/ 300 gals acid, ISIP @ 2066 psi
4/23/09		Tubing Leak. Updated r & t details.
8/25/2010		Tubing Leak. Update rod and tubing details.

PERFORATION RECORD

06/28/07	5704-5716'	4 JSPF	48 holes
06/29/07	4946-4964'	4 JSPF	72 holes
06/29/07	4685-4692'	4 JSPF	28 holes
06/29/07	4587-4595'	4 JSPF	32 holes

NEWFIELD

FEDERAL 16-21-9-16

606'FSL & 831' FEL

SE/SE Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33165; Lease # UTU-74392

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 #16-21-9-16 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 #16-21-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3733' - 5876'). 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 3528' and the TD is at 5900'.

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

The referenced log for the Federal #16-21-9-16 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-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**

- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

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

All logs are on file with the Utah Division of Oil, Gas and Mining.

 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 324' KB, and 5-1/2", 15.5# casing run from surface to 5900' 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 1808 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 #16-21-9-16, for existing perforations (4587' - 5716') calculates at 0.83 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 1808 psig. We may add additional perforations between 3528' and 5900'. 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 #16-21-9-16, the proposed injection zone (3733' - 5876') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-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.

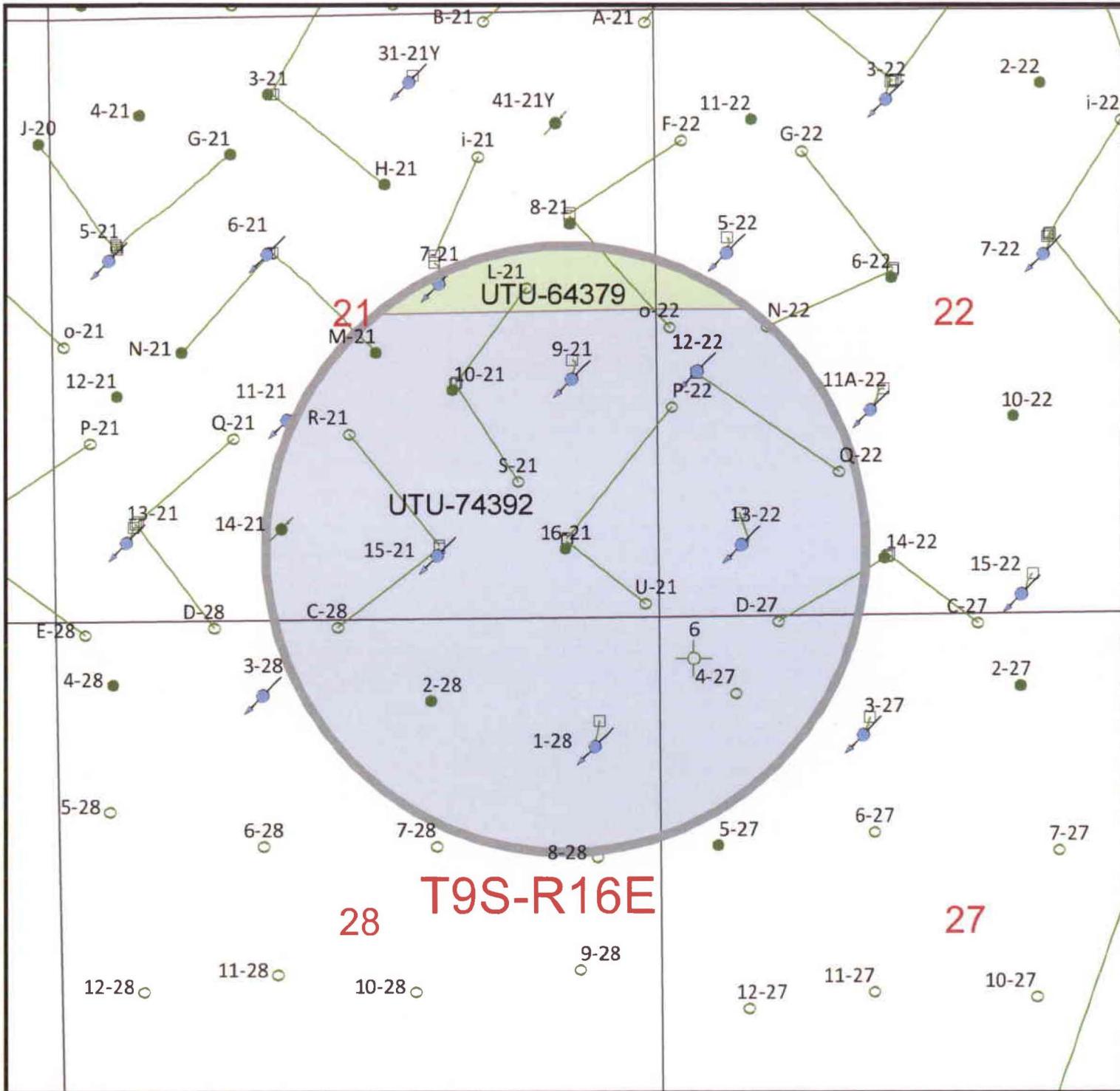
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

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.

3-16H



Lease Number

- UTU-64379
- UTU-74392

Half-Mile Buffer

Well Status

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

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



1/2 Mile Radius Map

Duchesne County

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

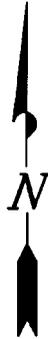
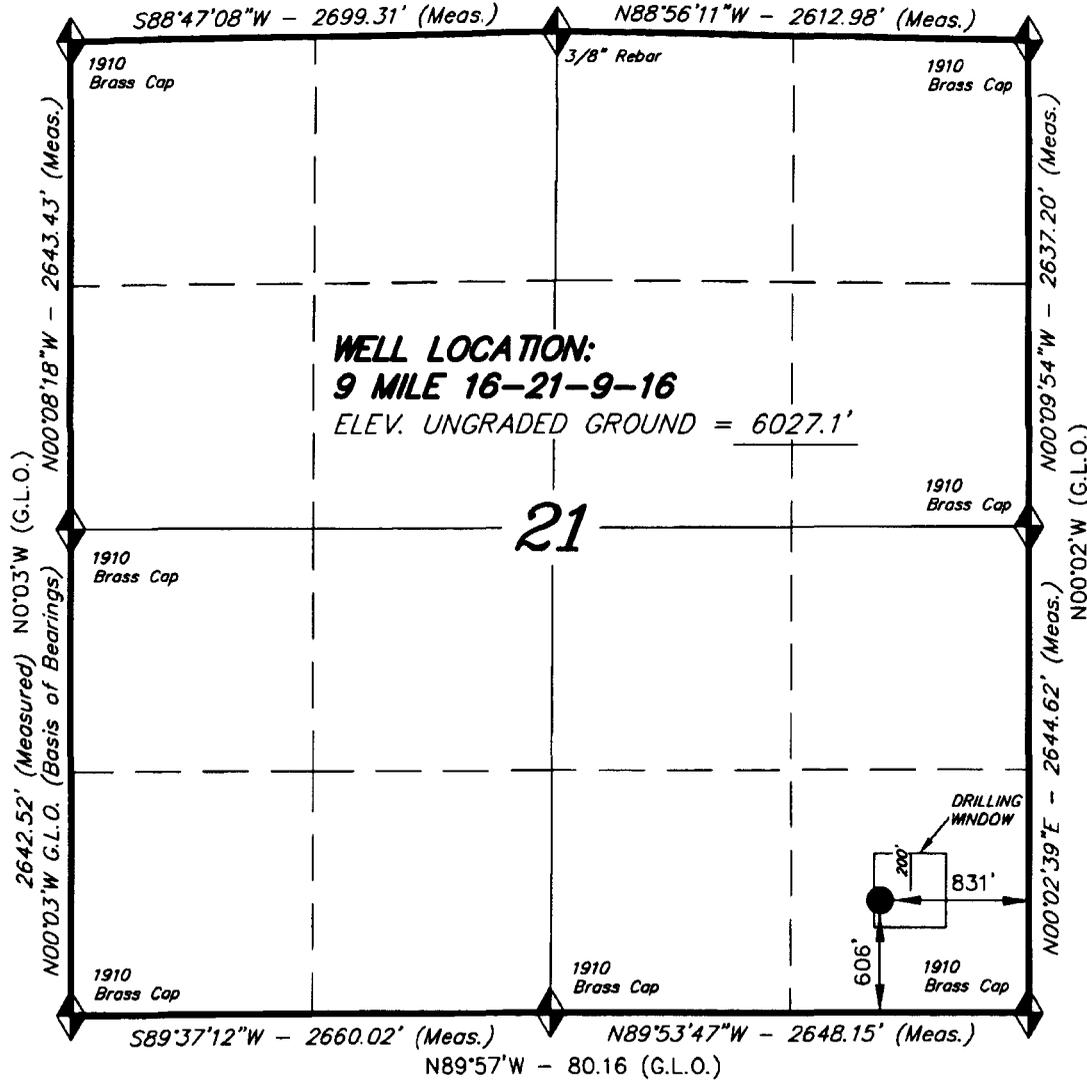
Feb. 27, 2014

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

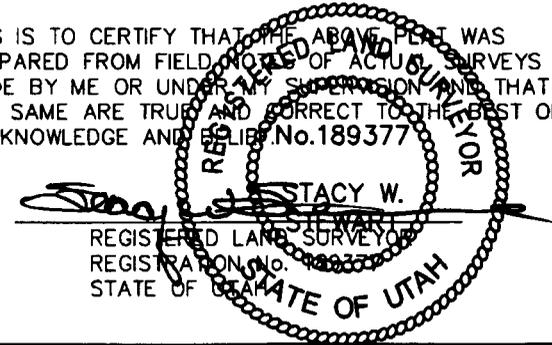
N89°57'W - 80.00 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

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



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



◆ = SECTION CORNERS LOCATED

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

9 MILE 16-21-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 38.95"
LONGITUDE = 110° 07' 04.06"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED:
3-22-06

SURVEYED BY: C.M.

DATE DRAWN:
3-24-06

DRAWN BY: M.W.

REVISED:

SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

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

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 7th day of April, 2014.

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

My Commission Expires: 12/31/15

**LYDIA BIONDO
Notary Public
State of Colorado**

FEDERAL 16-21-9-16

Spud Date: 05/07/07
 Put on Production: 07/05/07
 GL: 6027' KB: 6039'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.91')
 DEPTH LANDED: 323.76' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, 3.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5887.06')
 DEPTH LANDED: 5900.31' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 328 sxs Prem. Lite II mixed & 402 sxs 50/50 POZ.
 CEMENT TOP: 244'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 /
 NO. OF JOINTS: 180 jts (5663.1')
 TUBING ANCHOR: 5675.1'
 NO. OF JOINTS: 1 jts (31.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5709.3'
 NO. OF JOINTS: 2 jts (61.1')
 TOTAL STRING LENGTH: EOT @ 5772'

SUCKER RODS

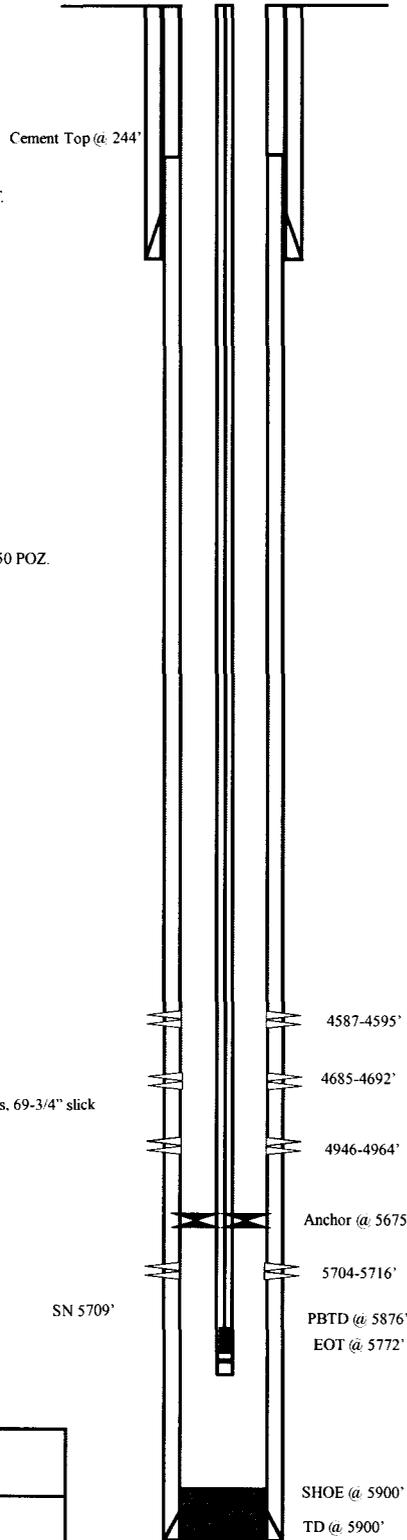
POLISHED ROD: 1-1/2" x 26' polished rod
 SUCKER RODS: 1' - x3/4" pony rods, 100-3/4" scraped rods, 69-3/4" slick rods, 53-3/4" scraped rods, 6-1/2" weight rods.
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12 x 16' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, 5 SPM:

FRAC JOB

06/28/07	5704-5716'	Frac CP5 sands as follows: 55584# 20/40 sand in 485 bbls Lightning 17 frac fluid. Treated @ avg press of 2306 psi w/avg rate of 24.5 BPM. ISIP 2630 psi. Calc flush 5702 gal. Actual flush: 5162 gal.
06/29/07	4946-4964'	Frac A1 sands as follows: 140302# 20/40 sand in 956 bbls Lightning 17 frac fluid. Treated @ avg press of 1929 psi w/avg rate of 24.8 BPM. ISIP 2095 psi. Calc flush: 4944 gal. Actual flush: 4439 gal.
06/29/07	4685-4692'	Frac C sands as follows: 24299# 20/40 sand in 323 bbls Lightning 17 frac fluid. Treated @ avg press of 1973 psi w/avg rate of 24.6 BPM. ISIP 1950 psi. Calc flush: 4683 gal. Actual flush: 4225 gal.
06/29/07	4587-4595'	Frac D2 sands as follows: 72627# 20/40 sand in 606 bbls Lightning 17 frac fluid. Treated @ avg press of 1400 psi w/avg rate of 24.7 BPM. ISIP 1838 psi. Calc flush: 4585 gal. Actual flush: 4536 gal
10/16/07		Stuck Pump. Updated rod & tubign details.
05/27/08		Major Workover. Rod & Tubing updated.
05/27/08	4587-4595'	Acidize D2 sands: Pump 250 gals techni-hib 767, W/ 200 gals acid, ISIP @ 1339 psi.
05/27/08	4685-4692'	Acidize C sands: Pump 250 gals techni-hib 767, W/ 200 gals acid, ISIP @ 1343 psi.
05/27/08	4946-4964'	Acidize A1 sands: Pump 500 gals techni-hib 767, W/ 400 gals acid, ISIP @ 1179 psi
05/27/08	5704-5716'	Acidize CP5 sands: Pump 375 gals techni-hib 767, W/ 300 gals acid, ISIP @ 2066 psi
4/23/09		Tubing Leak. Updated r & t details.
8/25/2010		Tubing Leak. Update rod and tubing details.

PERFORATION RECORD

06/28/07	5704-5716'	4 JSPF	48 holes
06/29/07	4946-4964'	4 JSPF	72 holes
06/29/07	4685-4692'	4 JSPF	28 holes
06/29/07	4587-4595'	4 JSPF	32 holes



NEWFIELD

FEDERAL 16-21-9-16

606'FSL & 831' FEL

SE/SE Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33165; Lease # UTU-74392

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

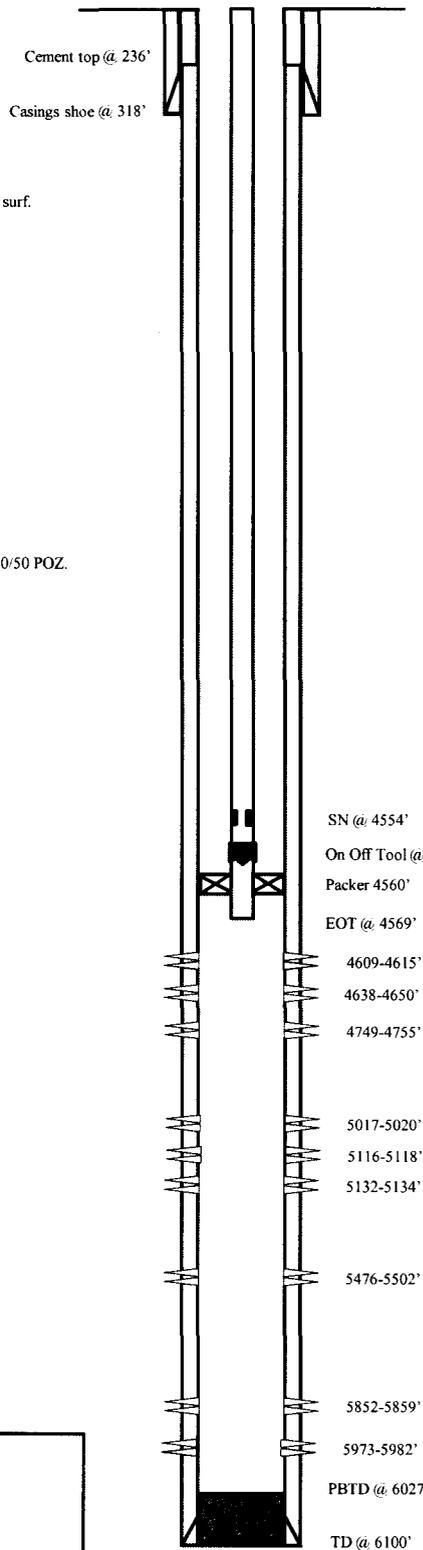
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (306.20')
 DEPTH LANDED: 318.05' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

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 CPI 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

Date	Interval	Count	Holes
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

Spud Date: 07/31/09
 Put on Production: 09/02/09
 GL: 5970' KB: 5982'

Federal 9-21-9-16

Injection Wellbore
Diagram

SURFACE CASING

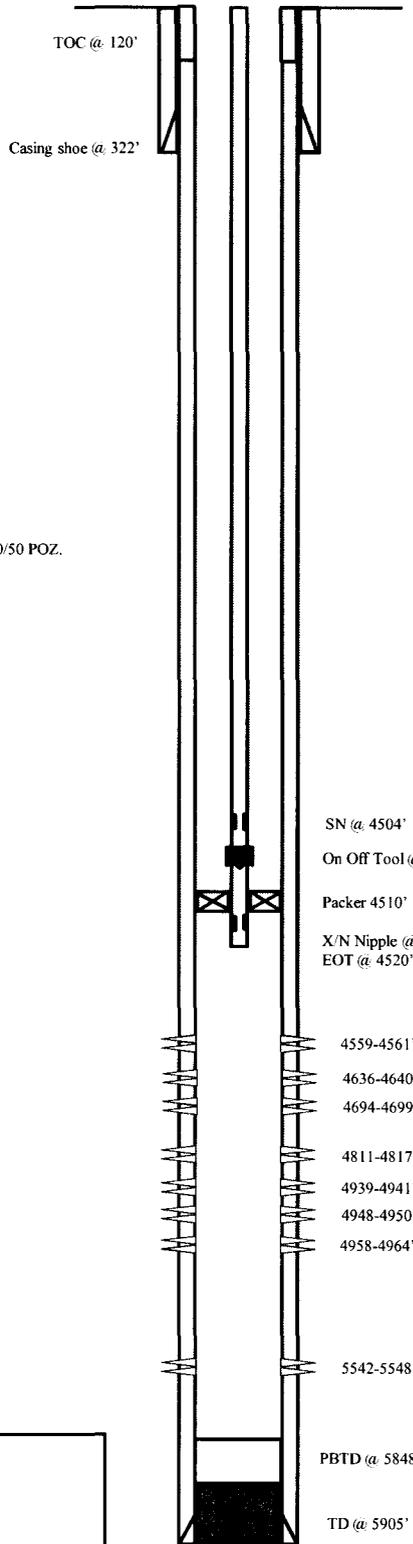
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (264')
 DEPTH LANDED: 322'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (5836')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5887.85'
 CEMENT DATA: 260 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 120'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4492.4')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 4504.4' KB
 ON/OFF TOOL AT 4505.5'
 PACKER 5-1/2" AT: 4510'
 XO AT: 4513'
 TBG PUP 2-3/8" AT: 4514.4'
 X/N NIPPLE AT: 4518.6'
 TOTAL STRING LENGTH: EOT @ 4520'



FRAC JOB

9-2-09 5542-5548' **Frac CP3 sands as follows:** Frac with 15136# 20/40 sand in 122 bbls Lightning 17 fluid.
 9-2-09 4939-4964' **Frac A3 sands as follows:** Frac with 115669# 20/40 sand in 698 bbls Lightning 17 fluid.
 9-2-09 4811-4817' **Frac B2 sands as follows:** Frac with 25293# 20/40 sand in 204 bbls Lightning 17 fluid.
 9-2-09 4559-4699' **Frac C, D1, & D3 sands as follows:** Frac with 111451# 20/40 sand in 635 bbls Lightning 17 fluid.
 11/25/10 **Pump Change.** Rod & tubing updated.
 3/30/11 **Tubing leak.** Rod & tubing detail updated.
 09/12/12 **Convert to Injection Well**
 09/14/12 **Conversion MIT Finalized** - updtc tbg detail

PERFORATION RECORD

Interval	Count	Holes
5542-5548'	3 JSPF	18 holes
4958-4964'	3 JSPF	18 holes
4948-4950'	3 JSPF	6 holes
4939-4941'	3 JSPF	6 holes
4811-4817'	3 JSPF	18 holes
4694-4699'	3 JSPF	15 holes
4636-4640'	3 JSPF	12 holes
4559-4561'	3 JSPF	6 holes

NEWFIELD



Federal 9-21-9-16
 2303' FSL & 582' FEL
 NE/SE Section 21-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33145; Lease #UTU-74392

FEDERAL 10-21-9-16

Spud Date: 05/12/07
 Put on Production: 07/26/07
 GL: 6032' KB: 6044'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (306.20')
 DEPTH LANDED: 323.56' 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: 144 jts. (6041.7')
 DEPTH LANDED: 6054.25' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP: 214'

TUBING

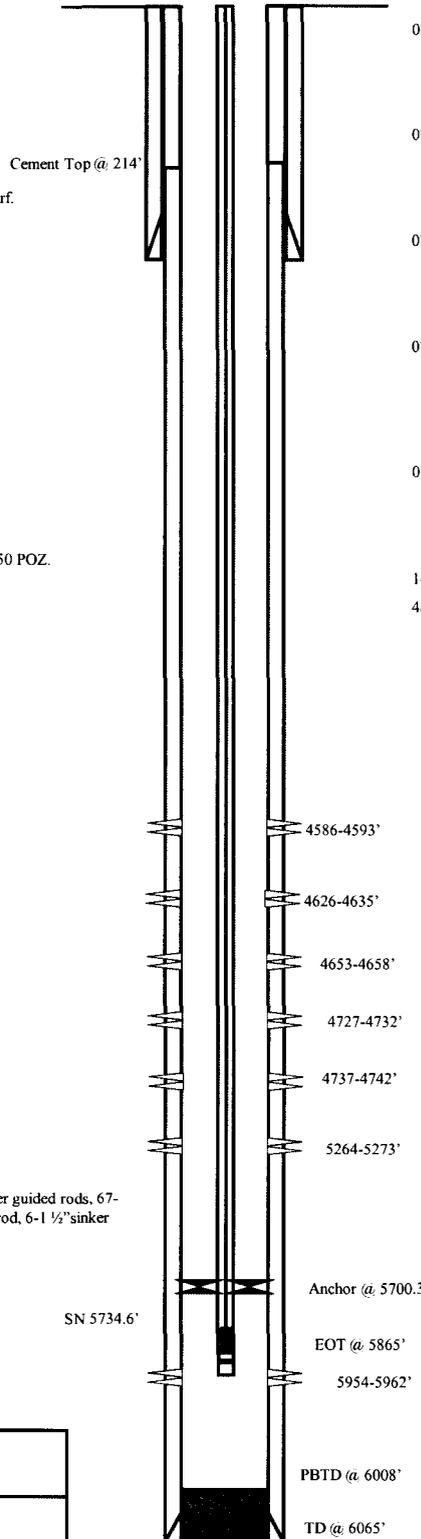
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 179 jts (5540.9')
 TUBING ANCHOR: 5700.3'
 NO. OF JOINTS: 1 jts (31.50')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5734.6'
 NO. OF JOINTS: 1 jts (30.9')
 GAS ANCHOR : 3-1/2" (5.2')
 SEATING NIPPLE: 2-7/8" (0.2')
 NO. OF JOINTS: 3 jts (92.5')
 BULL PLUG: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5865'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 1 - 2", 4", 8" x 3/4" pony rods, 134 - 3/4" 4per guided rods, 67-3/4" sucker rods, 20 - 3/4" 4per guided rods, 6 - 1" stabilizer rod, 6-1 1/2" sinker bar.
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 14' x 15' RHAC
 STROKE LENGTH: 144"
 PUMP SPEED: 5 SPM

FRAC JOB

07/20/07	5954-5962'	Frac BSLS sands as follows: 40380# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2388 psi w/avg rate of 24.9 BPM. ISIP 4330 psi. Calc flush: 5952 gal. Actual flush: 5208 gal.
07/20/07	5264-5273'	Frac LODC sands as follows: 15583# 20/40 sand in 279 bbls Lightning 17 frac fluid. Treated @ avg press of 2484 psi w/avg rate of 24.8 BPM. ISIP 2438 psi. Calc flush: 5262 gal. Actual flush: 4746 gal.
07/20/07	4727-4742'	Frac C sands as follows: 45637# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 1823 psi w/avg rate of 24.8 BPM. ISIP 1756 psi. Calc flush: 4725 gal. Actual flush: 4284 gal.
07/20/07	4586-4658'	Frac D3, D2, & D1 sands as follows: 0# 20/40 sand in 211 bbls Lightning 17 frac fluid. Treated @ avg press of 1823 psi w/avg rate of 24.8 BPM. ISIP 1597 psi. Calc flush: 4584 gal. Actual flush: 0 gal. (BJ blender broke.)
07/21/07	4586-4658'	Frac D sands as follows: 111055# 20/40 sand in 812 bbls Lightning 17 frac fluid. Treated @ avg press of 1670 psi w/avg rate of 24.8 BPM. ISIP 1770 psi. Calc flush: 4584 gal. Actual flush: 4578 gal
1-23-08		Parted rods. Updated rod & tubing details.
4/21/09		Pump Change. Updated r & t details.



PERFORATION RECORD

07/20/07	5954-5962'	4 JSPF	32 holes
07/20/07	5264-5273'	4 JSPF	36 holes
07/20/07	4737-4742'	4 JSPF	20 holes
07/20/07	4727-4732'	4 JSPF	20 holes
07/20/07	4653-5658'	4 JSPF	20 holes
07/20/07	4626-4635'	4 JSPF	36 holes
07/21/07	4586-4593'	4 JSPF	28 holes

NEWFIELD

FEDERAL 10-21-9-16

1992' FSL & 1810' FEL

NW/SE Section 21-T9S-R16E

Duchesne Co, Utah

API #43-013-33110; Lease # UTU-74392

Federal 11-21-9-16

Spud Date: 7-04-07
 Put on Production: 8-06-07
 GL: 6040' KB: 6052'

Injection Wellbore Diagram

SURFACE CASING

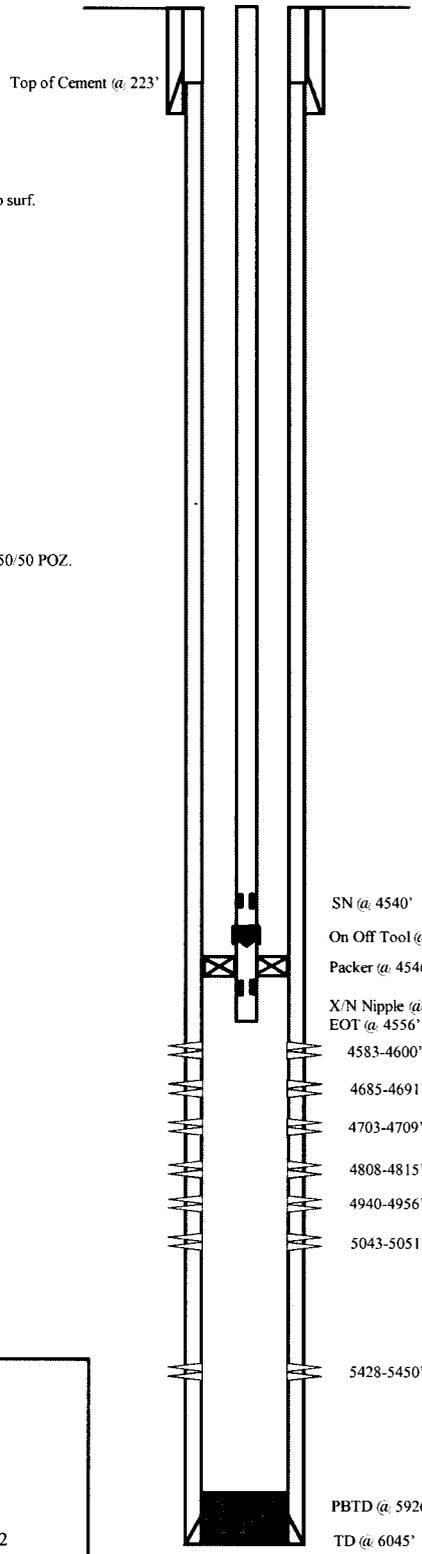
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.74')
 DEPTH LANDED: 321.59' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts (6017.88')
 DEPTH LANDED: 6031.13' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 223'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 144 jts (4528')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4540' KB
 ON/OFF TOOL AT: 4541.1'
 ARROW #1 PACKER CE AT: 4546.23'
 XO 2-3/8 x 2-7/8 J-55 AT: 4550'
 TBG PUP 2-3/8 J-55 AT: 4550.6'
 X/N NIPPLE AT: 4554.7'
 TOTAL STRING LENGTH: EOT @ 4556.26'



FRAC JOB

08-01-07 5428-5450' **Frac CPI sands as follows:**
 99480# 20/40 sand in 758 bbls Lightning 17 frac fluid. Treated @ avg press of 2388 psi w/avg rate of 24.8 BPM. ISIP 2100 psi. Calc flush: 5426 gal. Actual flush: 4839 gal.

08-01-07 5043-5051' **Frac LODC sands as follows:**
 24293# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2280 psi w/avg rate of 24.9 BPM. ISIP 2492 psi. Calc flush: 5041 gal. Actual flush: 4524 gal.

08-01-07 4940-4956' **Frac A3 sands as follows:**
 70072# 20/40 sand in 595 bbls Lightning 17 frac fluid. Treated @ avg press of 2180 psi w/avg rate of 24.9 BPM. ISIP 2368 psi. Calc flush: 4938 gal. Actual flush: 4431 gal.

08-01-07 4808-4815' **Frac B2 sand as follows:**
 14168# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 2415 w/ avg rate of 25 BPM. ISIP 1720 psi. Calc flush: 4806 gal. Actual flush: 4301 gal.

08-01-07 4685-4709' **Frac C sand as follows:**
 19350# 20/40 sand in 304 bbls Lightning 17 frac fluid. Treated @ avg press of 1870 w/ avg rate of 24.8 BPM. ISIP 1717 psi. Calc flush: 4683 gal. Actual flush: 4179 gal.

08-01-07 4583-4600' **Frac D2 sand as follows:**
 112592# 20/40 sand in 813 bbls Lightning 17 frac fluid. Treated @ avg press of 1600 w/ avg rate of 24.7 BPM. ISIP 1750 psi. Calc flush: 4581 gal. Actual flush: 4494 gal.

12/18/08 **Stuck Pump.** Updated rod & tubing details.

05/25/11 **Parted Rods** Rod & tubing updated.

08/28/13 **Convert to Injection Well**

08/30/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	Number of JSPF	Total Holes
07-24-07	5428-5450'	4 JSPF	22 holes
08-01-07	5043-5051'	4 JSPF	32 holes
08-01-07	4940-4956'	4 JSPF	64 holes
08-01-07	4808-4815'	4 JSPF	28 holes
08-01-07	4703-4709'	4 JSPF	24 holes
08-01-07	4685-4691'	4 JSPF	24 holes
08-01-07	4583-4600'	4 JSPF	68 holes

NEWFIELD

Federal 11-21-9-16
 1742' FSL & 2052' FWL
 NE/SW Section 21-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33144; Lease # UTU-74392

Federal 14-21-9-16

Spud Date: 6-22-07
 Put on Production: 7-27-07
 GL: 6052' KB: 6064'

Injection Wellbore Diagram

SURFACE CASING

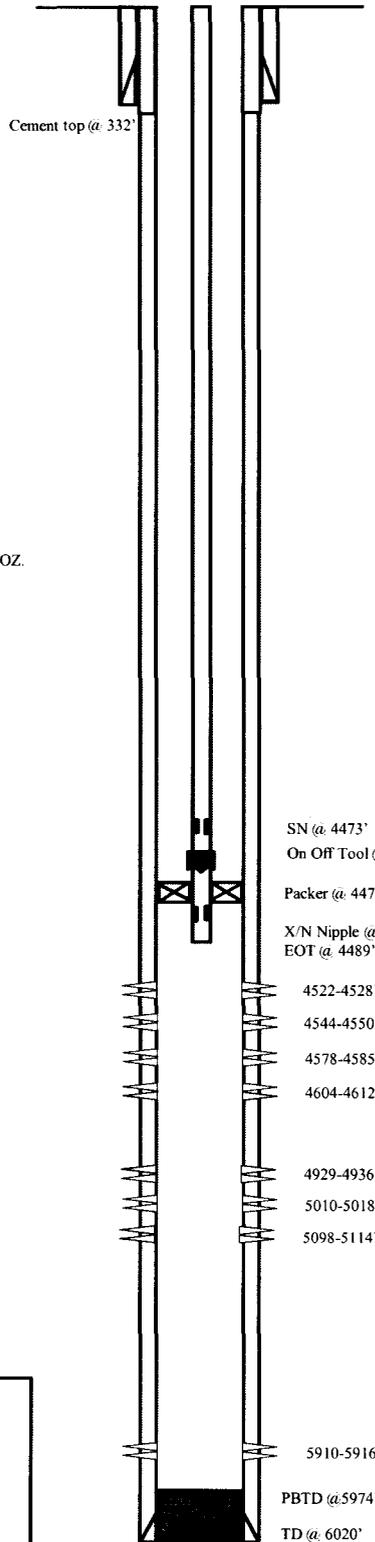
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jnts (311.59')
 DEPTH LANDED: 323.44' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jnts (6006.31')
 DEPTH LANDED: 6019.56' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TO SURFACE: 332'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 143 jnts (4460.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4472.6' KB
 ON/OFF TOOL AT: 4473.7'
 ARROW #1 PACKER CE AT: 4478.9'
 SWEDGE AT: 4482.5'
 TBG PUP 2-3/8 J-55 AT: 4483'
 X/N NIPPLE AT: 4487.1'
 TOTAL STRING LENGTH: EOT @ 4488.94'



FRAC JOB

7-23-07 5910-5916' **Frac BSC sands as follows:**
 15064# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 1992 psi w/avg rate of 24.7 BPM. ISIP 2266 psi. Calc flush: 5908 gal. Actual flush: 5334 gal.

7-23-07 5098-5114' **Frac LODC sands as follows:**
 109920# 20/40 sand in 810 bbls Lightning 17 frac fluid. Treated @ avg press of 2714 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5096 gal. Actual flush: 4591 gal.

7-23-07 5010-5018' **Frac LODC sands as follows:**
 15148# 20/40 sand in 263 bbls Lightning 17 frac fluid. Treated @ avg press of 3213 psi w/avg rate of 24.9 BPM. ISIP 3464 psi. Calc flush: 5008 gal. Actual flush: 4494 gal.

7-24-07 **A3 Sands would not break down** - decision made to skip A3 sds.

7-24-07 4522-4612' **Frac D1, D1, D2, D3 sands as follows:**
 122380# 20/40 sand in 848 bbls Lightning 17 frac fluid. Treated @ avg press of 1681 psi w/avg rate of 24.9 BPM. ISIP 1905 psi. Calc flush: 4520 gal. Actual flush: 4410 gal.

04/04/08 **Pump Change.** Rod & Tubing detail updated

2/27/12 **Parted Rods.** Updated rod & tubing detail.

10/14/13 **Convert to Injection Well**

10/16/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
7-13-07	5910-5916'	4 JSPF	24 holes
7-23-07	5098-5114'	4 JSPF	64 holes
7-23-07	5010-5018'	4 JSPF	32 holes
7-23-07	4929-4936'	4 JSPF	28 holes
7-24-07	5604-5612'	4 JSPF	32 holes
7-24-07	4578-4585'	4 JSPF	28 holes
7-24-07	4544-4550'	4 JSPF	24 holes
7-24-07	4522-4528'	4 JSPF	24 holes

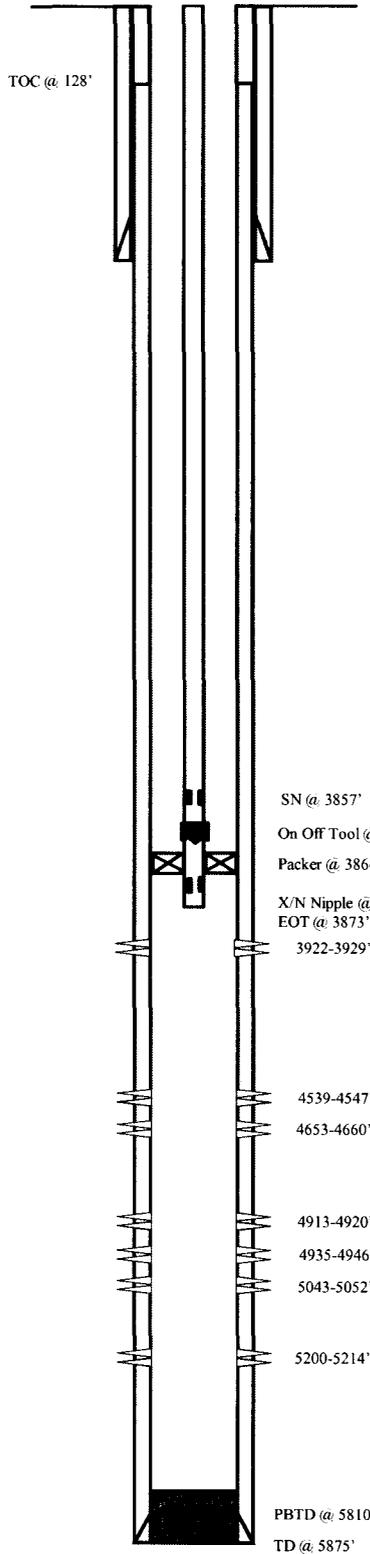


Federal 14-21-9-16
 797' FSL & 1993' FWL
 SE/SW Section 21-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33141; Lease #UTU-74392

Federal 15-21-9-16

Spud Date: 5-16-07
 Put on Production: 7-13-07
 GL: 6043' KB: 6055'

Injection Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (309.22')
 DEPTH LANDED: 319.22'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts (5858.44')
 DEPTH LANDED: 5855.44'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Premlite II & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 128' per CBL 7/2/07

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 124 jts (3845.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3857.4' KB
 ON/OFF TOOL AT: 3858.5'
 ARROW #1 PACKER CE AT: 3864.44'
 XO 2-3/8 x 2-7/8 J-55 AT: 3867.4'
 TBG PUP 2-3/8 J-55 AT: 3867.9'
 X/N NIPPLE AT: 3872.2'
 TOTAL STRING LENGTH: EOT @ 3873.54'

FRAC JOB

07-05-07	5200-5214'	Frac LODC sands as follows: 49991# 20/40 sand in 493 bbls Lightning 17 frac fluid. Treated @ avg press of 2442 psi w/avg rate of 24.5 BPM. ISIP 2660 psi. Calc flush: 5198 gal. Actual flush: 4796 gal.
07-06-07	5043-5052'	Frac LODC sands as follows: 44714# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 2384 psi w/avg rate of 24.3 BPM. ISIP 2743 psi. Calc flush: 5041 gal. Actual flush: 4578 gal.
07-06-07	4913-4946'	Frac A3 sands as follows: 80345# 20/40 sand in 626 bbls Lightning 17 frac fluid. Treated @ avg press of 1776 psi w/avg rate of 24.6 BPM. ISIP 2172 psi. Calc flush: 4911 gal. Actual flush: 4406 gal.
07-06-07	4653-4660'	Frac C sand as follows: 14684# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 1891 w/ avg rate of 24.5 BPM. ISIP 1694 psi. Calc flush: 4651 gal. Actual flush: 4187 gal.
07-06-07	4539-4547'	Frac D1 sand as follows: 35061# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 w/ avg rate of 24.6 BPM. ISIP 1813 psi. Calc flush: 4537 gal. Actual flush: 3990 gal.
07-07-07	3922-3929'	Frac GB2 sand as follows: 20191# 20/40 sand in 288 bbls Lightning 17 frac fluid. Treated @ avg press of 1587 w/ avg rate of 24.7 BPM. ISIP 1651 psi. Calc flush: 3920 gal. Actual flush: 3864 gal.
11/11/08		Pump Change. Updated rod & tubing details.
1/15/2010		Pump Change. Updated rod and tubing detail.
4/24/2010		Pump change. Updated rod and tubing detail.
10/26/10		Pump Change. Rod & Tubing detail updated.
08/30/13		Convert to Injection Well
09/04/13		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

06-15-07	5200-5214'	4 JSPF	56 holes
06-22-07	5043-5052'	4 JSPF	36 holes
06-22-07	4935-4946'	4 JSPF	44 holes
06-22-07	4913-4920'	4 JSPF	28 holes
06-22-07	4653-4660'	4 JSPF	28 holes
06-22-07	4539-4547'	4 JSPF	32 holes
06-22-07	3922-3929'	4 JSPF	28 holes

NEWFIELD

Federal 15-21-9-16

559' FSL & 1954' FEL
 SW/SE Section 21-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33164; Lease # UTU-74392

LCN 09/11/13

Federal 12-22-9-16

Spud Date: 4/28/2009
 Put on Production: 7/22/2009
 GL: 5966' KB: 5978'

Injection Wellbore Diagram

SURFACE CASING

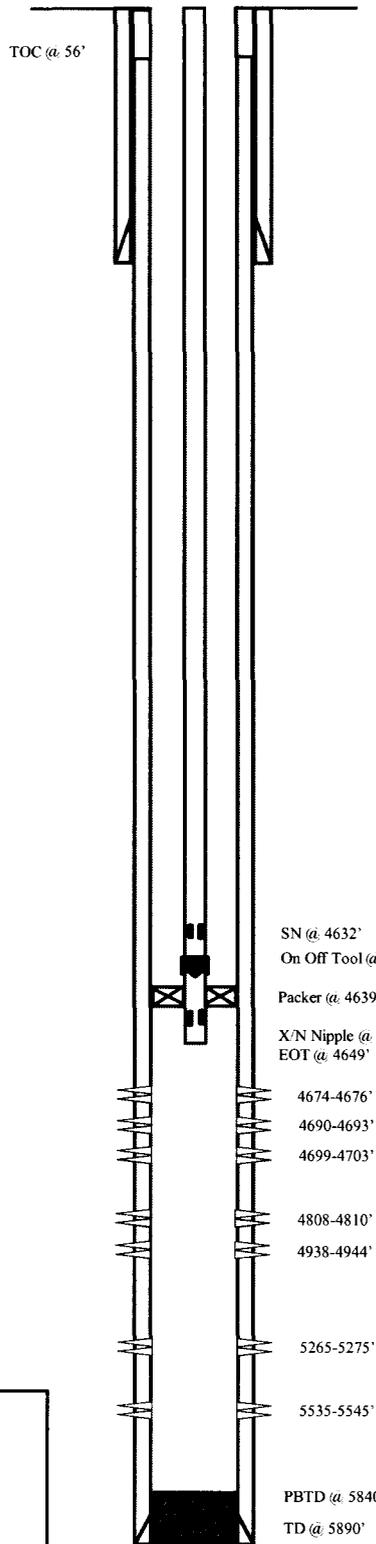
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (313.85')
 HOLE SIZE: 12-1/4"
 DEPTH LANDED: 325.7' KB
 CEMENT DATA: 160 sxs Class 'G', circ. 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 149 jts (5868.64')
 HOLE SIZE: 7 7/8"
 DEPTH LANDED: 5881.89'
 CEMENT DATA: 275 sxs Prem. Lite and 401 sxs 50/50 POZ
 CEMENT TOP AT: 56' per CBL 7/14/09

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 167 jts (4619.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4631.9' KB
 ON/OFF TOOL AT: 4633'
 ARROW #1 PACKER CE AT: 4639.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 4642.8'
 TBG PUP 2-3/8 J-55 AT: 4643.3'
 X/N NIPPLE AT: 4647.4'
 TOTAL STRING LENGTH: EOT @ 4649.03'



FRAC JOB

7-23-09 5535-5545' **Frac CP3 sands as follows:**
 Frac with 34,344# 20/40 sand in 249 bbls of Lightning 17 fluid.

7-23-09 5265-5275' **Frac LODC sands as follows:**
 Frac with 65,879# 20/40 sand in 147 bbls of Lightning 17 fluid.

7-23-09 4808-4944' **Frac A3 & B2 sands as follows:**
 Frac with 34,625# 20/40 sand in 285 bbls of Lightning 17 fluid.

7-23-09 4674-4703' **Frac C sands as follows:**
 Frac with 34344# 20/40 sand in 249 bbls of Lightning 17 fluid.

03/16/2011 **Tubing Leak.** Rod & tubing detail updated.
 12/18/13 **Convert to Injection Well**
 12/20/13 **Conversion MIT Finalized** -update tbg detail

PERFORATION RECORD

5535-5545'	3 JSPF	30 holes
5265-5275'	3 JSPF	30 holes
4938-4944'	3 JSPF	18 holes
4808-4810'	3 JSPF	6 holes
4699-4703'	3 JSPF	12 holes
4690-4693'	3 JSPF	9 holes
4674-4676'	3 JSPF	6 holes

NEWFIELD

Federal 12-22-9-16

2113' FSL & 349' FWL NW/SW
 Section 22-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33586; Lease # UTU-74392

Federal 13-22-9-16

Spud Date: 5-9-2007
 Put on Production: 6-25-2007
 GL: 5994' KB: 6006'

Injection Wellbore Diagram

SURFACE CASING

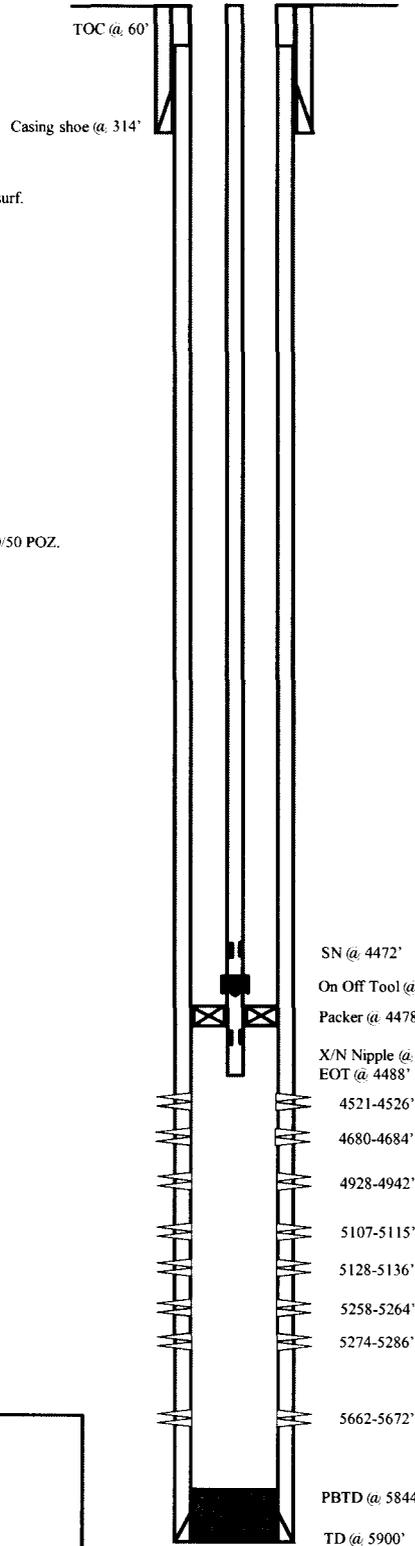
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (302.02')
 DEPTH LANDED: 313.87' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 134 jts. (5879.22')
 DEPTH LANDED: 5892.47' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 142 jts (4460.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4472.5' KB
 ON/OFF TOOL AT: 4473.4'
 ARROW #1 PACKER CE AT: 4478.17'
 XO 2-3/8 x 2-7/8 J-55 AT: 4481.8'
 TBG PUP 2-3/8 J-55 AT: 4482.3'
 X/N NIPPLE AT: 4486.5'
 TOTAL STRING LENGTH: EOT @ 4488'



FRAC JOB

06-19-07	5662-5672'	Frac CP5 sands as follows: 41156# 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1991 psi w/avg rate of 21.8 BPM. ISIP 2175 psi. Calc flush: 5660 gal. Actual flush: 5158 gal.
06-19-07	5258-5286'	Frac LODC sands as follows: 79611# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 2528 psi w/avg rate of 21.8 BPM. ISIP 2750 psi. Calc flush: 5256 gal. Actual flush: 4788 gal.
06-18-07	5107-5136'	Frac LODC sands as follows: 55106# 20/40 sand in 451 bbls Lightning 17 frac fluid. Treated @ avg press of 2838 psi w/avg rate of 24.7 BPM. ISIP 3235 psi. Calc flush: 5105 gal. Actual flush: 4620 gal.
06-19-07	4928-4942'	Frac A1 sands as follows: 59043# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1937 w/avg rate of 24.7 BPM. ISIP 2260 psi. Calc flush: 4926 gal. Actual flush: 4872 gal.
08/27/07		Pump Change: Rod & Tubing detail unchanged.
5/29/08		Stuck pump: Rod & Tubing detail updated.
1/31/09		Pump Change: Updated r & t detail.
3/16/2011		Pump Change: Updated rod & tubing detail.
11/26/12	4680-4684'	Frac C sands as follows: 11774# 20/40 sand in 216 bbls Lightning 17 frac fluid.
11/27/12	4521-4526'	Frac D1 sands as follows: 13743# 20/40 sand in 259 bbls Lightning 17 frac fluid.
11/28/12		Convert to Injection Well
12/04/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

06-18-07	5662-5672'	4 JSPF	40 holes
06-19-07	5274-5286'	4 JSPF	48 holes
06-19-07	5258-5264'	4 JSPF	24 holes
06-19-07	5128-5136'	4 JSPF	32 holes
06-19-07	5103-5110'	4 JSPF	32 holes
06-19-07	4928-4942'	4 JSPF	56 holes
11/21/12	4680-4684'	3 JSPF	12 holes
11/21/12	4521-4526'	3 JSPF	15 holes

NEWFIELD

Federal 13-22-9-16
 906' FSL & 702' FWL
 SW/SW Section 22-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33148; Lease # UTU-74392

Spud Date: 6/1/09
 Put on Production: 7/15/09
 GL: 5966' KB: 5978'

Federal 1-28-9-16

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts. (313')
 DEPTH LANDED: 325'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G"

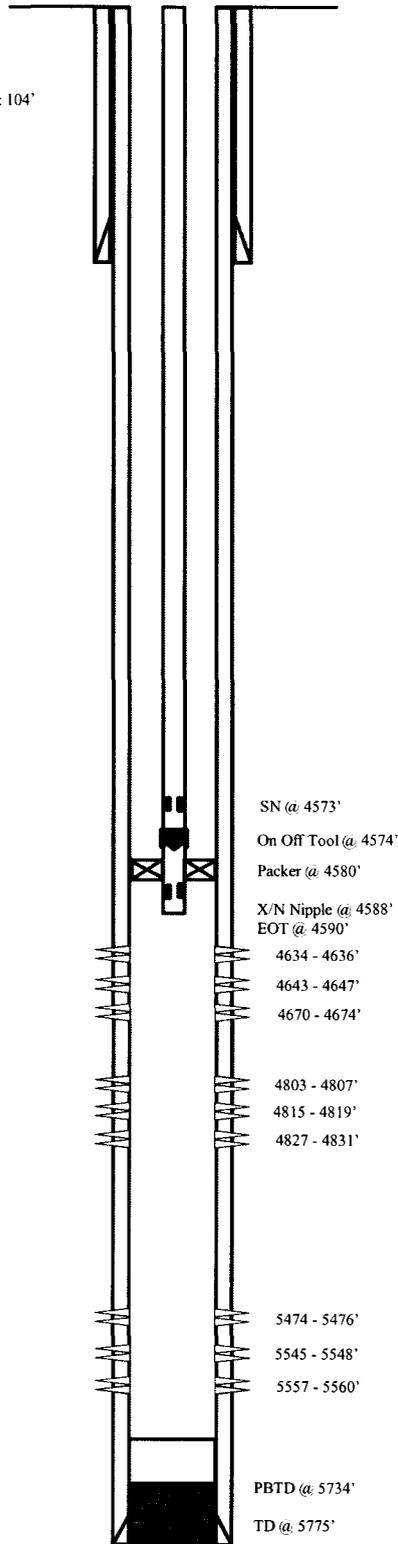
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts. (5722.31')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5773'
 CEMENT DATA: 276 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 104'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 140 jts (4561.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4573.3' KB
 ON/OFF TOOL AT: 4574.4'
 ARROW #1 PACKER CE AT: 4579.58'
 XO 2-3/8 x 2-7/8 J-55 AT: 4583.8'
 TBG PUP 2-3/8 J-55 AT: 4584.3'
 X/N NIPPLE AT: 4588.5'
 TOTAL STRING LENGTH: EOT @ 4590'

Cement Top at: 104'



FRAC JOB

7-16-09 5474 - 5560' Frac CP4 & CPS sands as follows:
 Frac with 25455# 20/40 sand in 205 bbbs
 Lightning 17 fluid.

7-16-09 4803 - 4831' Frac A3 sands as follows: Frac with
 141472# 20/40 sand in 854 bbbs
 Lightning 17 fluid.

7-16-09 4634 - 4674' Frac B.5 & B1 sands as follows:
 Frac with 43299# 20/40 sand in 274 bbbs
 Lightning 17 fluid.

08/23/13 Convert to Injection Well

08/27/13 Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

5557 - 5560'	3 JSPF	9 holes
5545 - 5548'	3 JSPF	9 holes
5474 - 5476'	3 JSPF	6 holes
4827 - 4831'	3 JSPF	12 holes
4815 - 4819'	3 JSPF	12 holes
4803 - 4807'	3 JSPF	12 holes
4670 - 4674'	3 JSPF	12 holes
4643 - 4647'	3 JSPF	12 holes
4634 - 4636'	3 JSPF	6 holes

NEWFIELD



Federal 1-28-9-16
 894' FNL & 546' FEL NE/NE
 Section 28-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33410; Lease #UTU-74392

Federal 2-28-9-16

Spud Date: 6/21/2009
 Put on Production: 7/17/2009
 GL: 6029' KB: 6041'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (273.63')
 DEPTH LANDED: 323.53' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

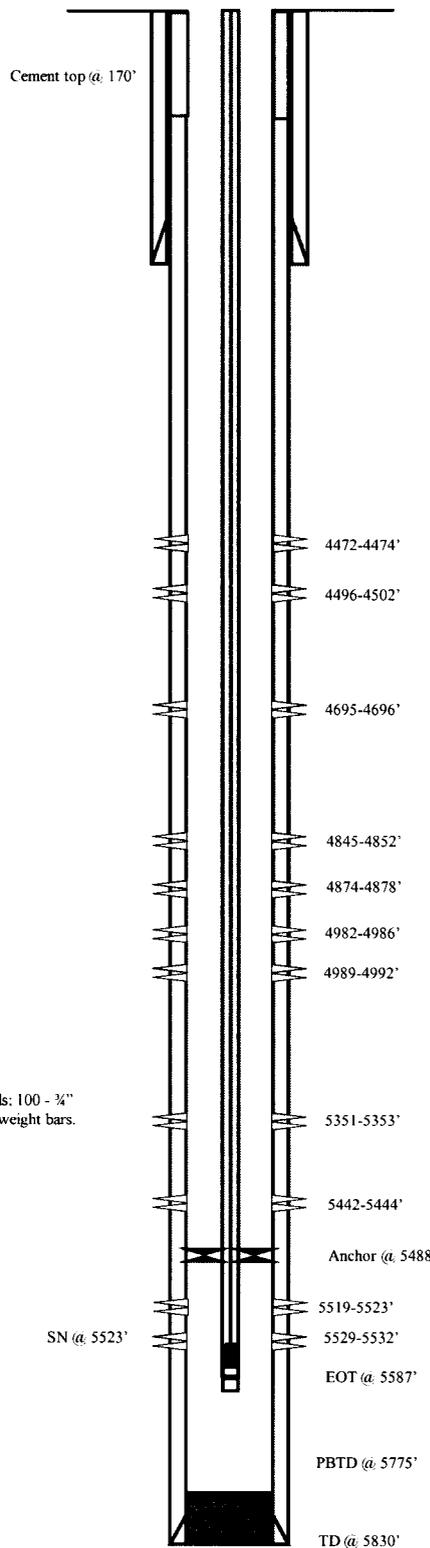
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 133 jts (5763.32')
 DEPTH LANDED: 5817.48'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sx Prem Lite II and 400 sx 50/50 poz
 CEMENT TOP AT: 170'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 174 jts (5476.2')
 TUBING ANCHOR: 5488' KB
 NO. OF JOINTS: 1 jt (31.5')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 5522.5' KB
 NO. OF JOINTS: 2 jts (63.1')
 TOTAL STRING LENGTH: EOT @ 5587'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS: 1 - 4' x 3/4", 1 - 6' x 3/4", 1 - 8' x 3/4" pony rods; 100 - 3/4" guided rods; 94 - 3/4" sucker rods; 20 - 3/4" guided rods; 6-1 1/2" weight bars.
 PUMP SIZE: 2 1/2" x 1 1/2" x 20' RHAC
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 5



FRAC JOB

7-20-09 5351-5532' **Frac CP1, CP3 & CP4 sands as follows:**
 Frac with 26,410# 20/40 sand in 211 bbls of Lightning 17 fluid.

7-20-09 4982-4992' **Frac LODC sands as follows:**
 Frac with 19,985# 20/40 sand in 178 bbls of Lightning 17 fluid.

7-20-09 4695-4878' **Frac A3 & B1 sands as follows:**
 Frac with 131605# 20/40 sand in 473 bbls of Lightning 17 fluid.

7-20-09 4472-4502' **Frac D1 sands as follows:**
 Frac with 22644# 20/40 sand in 180 bbls of Lightning 17 fluid.

PERFORATION RECORD

5529-5532'	3 JSPF	9 holes
5519-5523'	3 JSPF	12 holes
5442-5444'	3 JSPF	6 holes
5351-5353'	3 JSPF	6 holes
4989-4992'	3 JSPF	9 holes
4982-4986'	3 JSPF	12 holes
4874-4878'	3 JSPF	12 holes
4845-4852'	3 JSPF	21 holes
4695-4696'	3 JSPF	3 holes
4496-4502'	3 JSPF	18 holes
4472-4474'	3 JSPF	6 holes

NEWFIELD

Federal 2-28-9-16

716' FNL & 2019' FEL NW/NE

Section 28-T9S-R16E

Duchesne Co, Utah

API # 43-013-33409; Lease # UTU-74390



43-013-52340

Well Name: GMBU M-21-9-16

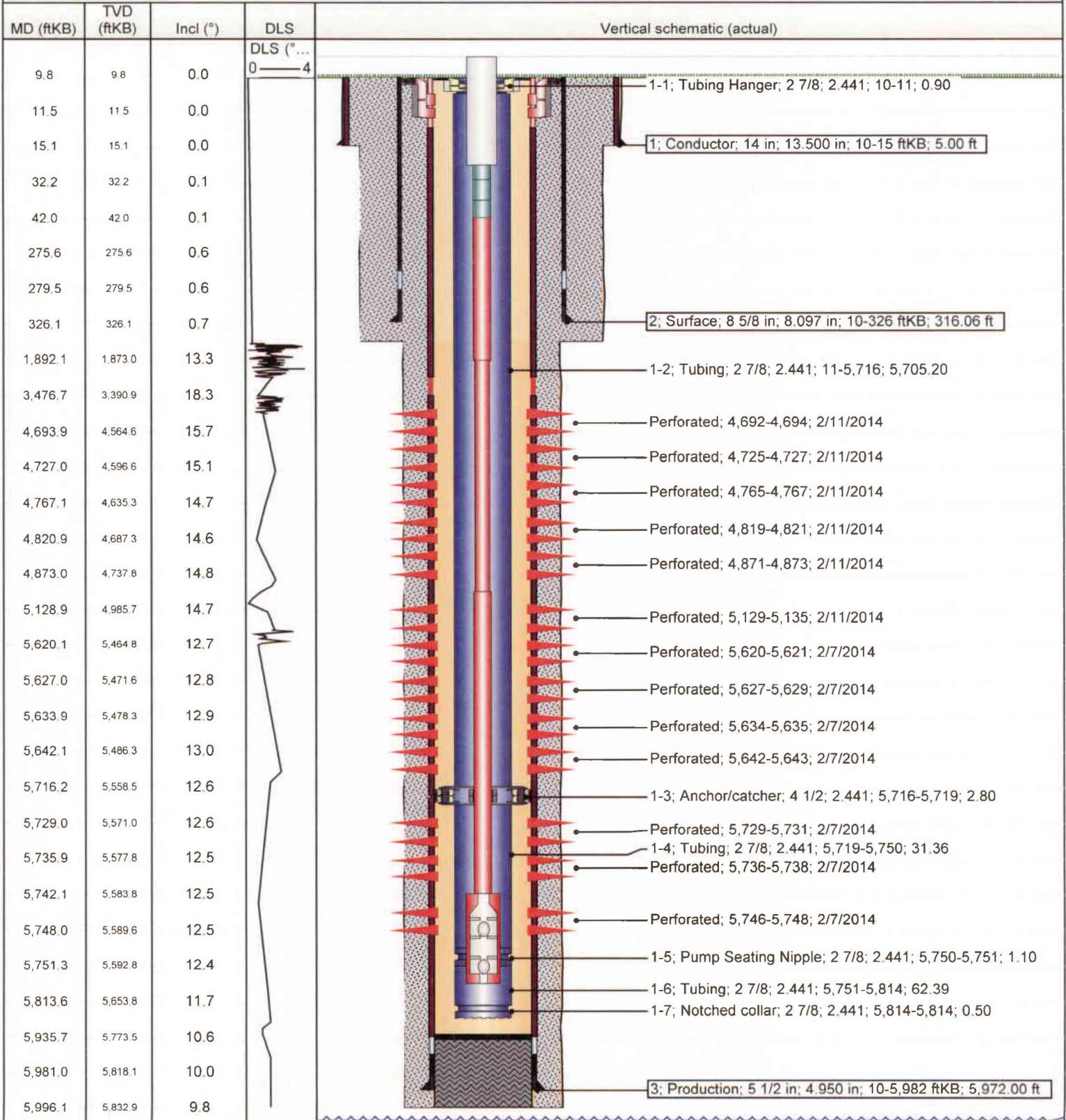
Surface Legal Location SENW 2107 FNL 1926 FWL Sec 21 T9S R16E Mer SLB				API/UWI 4301352340000	Well RC 500346524	Lease UTU64379	State/Province Utah	Field Name GMBU CTB6	County Duchesne
Spud Date 1/9/2014	Rig Release Date 1/25/2014	On Production Date	Original KB Elevation (ft) 6,032	Ground Elevation (ft) 6,022	Total Depth All (TVD) (ftKB) Original Hole - 5,832.9	PBTD (All) (ftKB) Original Hole - 5,935.6			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 2/7/2014	Job End Date 2/18/2014
------------------------------------	--	---------------------------	----------------------------	---------------------------

TD: 5,996.0

Slant - Original Hole, 4/2/2014 3:32:12 PM



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Pete Prodromides**

Well Name: **FEDERAL 16-21-9-16**

Lab Tech: **Gary Winegar**

Sample Point:

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

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

Sample ID: **WA-264565**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	1/24/2014	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120	Sodium (Na):	6186.00	Chloride (Cl):	16000.00
System Pressure 1 (psig):	60	Potassium (K):	2737.00	Sulfate (SO ₄):	29.00
System Temperature 2 (°F):	210	Magnesium (Mg):	15.50	Bicarbonate (HCO ₃):	1708.00
System Pressure 2 (psig):	60	Calcium (Ca):	24.30	Carbonate (CO ₃):	
Calculated Density (g/ml):	1.014	Strontium (Sr):	10.00	Acetic Acid (CH ₃ COO)	
pH:	6.50	Barium (Ba):	4.80	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	26725.72	Iron (Fe):	10.10	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.05	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	0.00	Lead (Pb):	0.04	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	20.00	Manganese (Mn):	0.93	Silica (SiO ₂):	

Notes:

AI=0.07 B=9.2 LI=1.5

(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	0.04	1.73	0.00	0.00	2.30	5.53	1.66	7.18	0.00	0.00	0.00	0.00	0.00	0.00	6.63	0.02
200.00	60.00	0.00	0.00	0.00	0.00	2.25	5.53	1.58	7.14	0.00	0.00	0.00	0.00	0.00	0.00	6.68	0.02
190.00	60.00	0.00	0.00	0.00	0.00	2.20	5.52	1.51	7.11	0.00	0.00	0.00	0.00	0.00	0.00	6.73	0.02
180.00	60.00	0.00	0.00	0.00	0.00	2.16	5.52	1.43	7.06	0.00	0.00	0.00	0.00	0.00	0.00	6.78	0.02
170.00	60.00	0.00	0.00	0.00	0.00	2.12	5.51	1.35	7.00	0.00	0.00	0.00	0.00	0.00	0.00	6.84	0.02
160.00	60.00	0.00	0.00	0.00	0.00	2.08	5.50	1.27	6.94	0.00	0.00	0.00	0.00	0.00	0.00	6.91	0.02
150.00	60.00	0.00	0.00	0.00	0.00	2.05	5.50	1.19	6.85	0.00	0.00	0.00	0.00	0.00	0.00	6.98	0.02
140.00	60.00	0.00	0.00	0.03	0.16	2.02	5.50	1.11	6.75	0.00	0.00	0.00	0.00	0.00	0.00	7.06	0.02
130.00	60.00	0.00	0.00	0.08	0.44	2.00	5.49	1.03	6.63	0.00	0.00	0.00	0.00	0.00	0.00	7.15	0.02
120.00	60.00	0.00	0.00	0.14	0.72	1.98	5.49	0.95	6.48	0.00	0.00	0.00	0.00	0.00	0.00	7.24	0.02

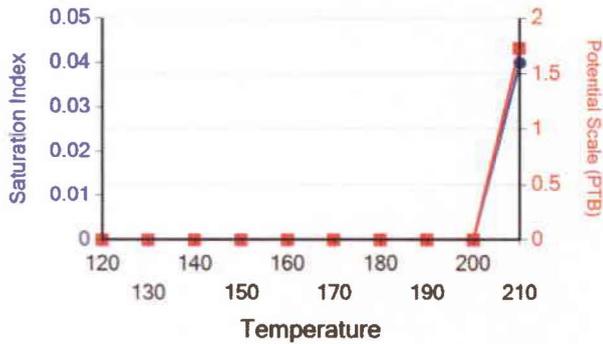
Water Analysis Report

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	7.60	0.02	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	7.71	0.02	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	7.83	0.02	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	7.96	0.02	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	8.10	0.02	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	8.25	0.02	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	8.41	0.02	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	8.58	0.02	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	8.76	0.02	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	8.96	0.02	0.00	0.00	0.00	0.00	0.00	0.00

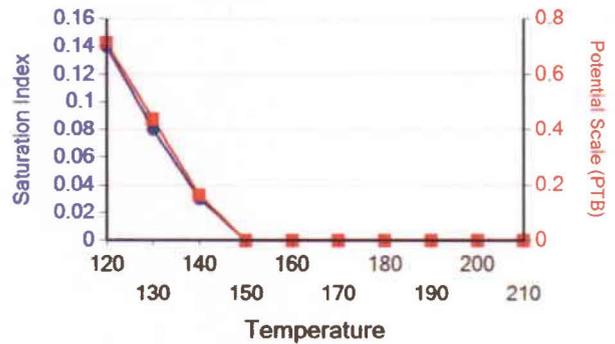
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

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

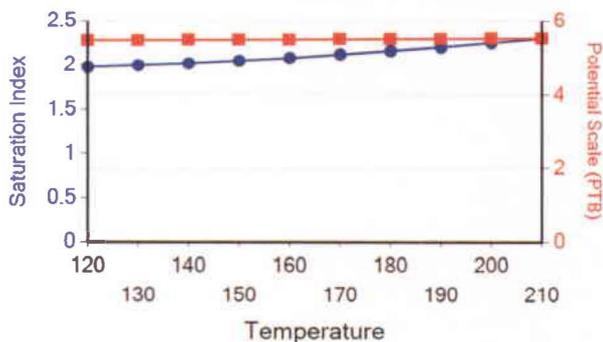
Calcium Carbonate



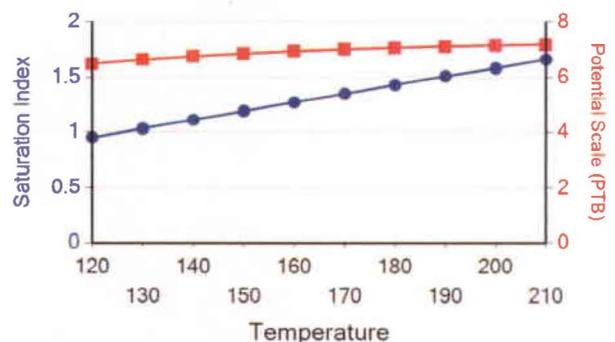
Barium Sulfate



Iron Sulfide

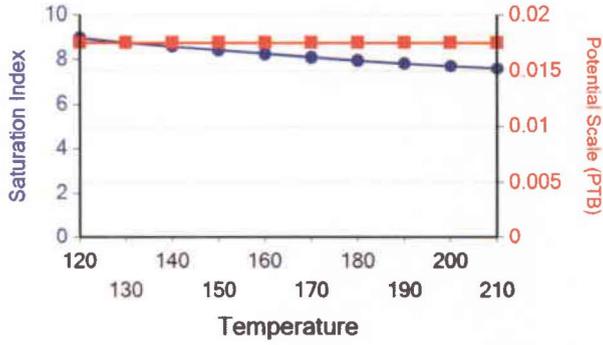


Iron Carbonate

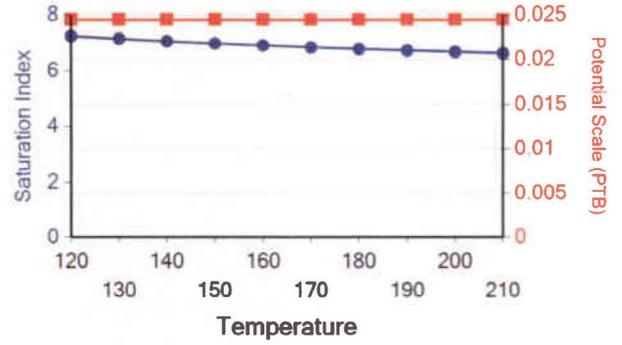


Water Analysis Report

Lead Sulfide



Zinc Sulfide



ATTACHMENT F

4 of 5

multi-chem[®]

A HALLIBURTON SERVICE

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

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **WELLS DRAW INJ FACILITY**
Sample Point: **Commingled After Filter**
Sample Date: **11/18/2013**
Sample ID: **WA-259493**

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

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/26/2013	Sodium (Na):	141.00	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120	Potassium (K):	39.00	Sulfate (SO ₄):	41.00
System Pressure 1 (psig):	2000	Magnesium (Mg):	24.00	Bicarbonate (HCO ₃):	1122.00
System Temperature 2 (°F):	210	Calcium (Ca):	41.00	Carbonate (CO ₃):	
System Pressure 2 (psig):	2000	Strontium (Sr):	0.70	Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.00	Propionic Acid (C ₂ H ₅ COO)	
pH:	6.50	Iron (Fe):	0.11	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	2413.76	Zinc (Zn):	0.03	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO ₂ (mg/L):	24.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.00	Silica (SiO ₂):	4.92
H ₂ S in Water (mg/L):	0.00				

Notes:

B=4 AI=18 LI=0

(PTB = Pounds per Thousand Barrels)

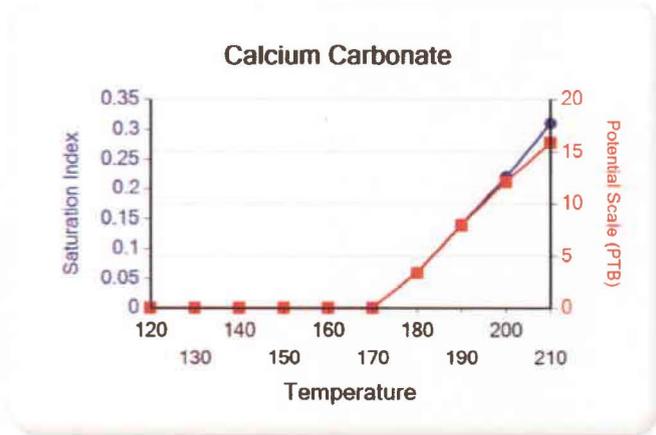
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	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	2000.00	0.14	7.94	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	2000.00	0.06	3.37	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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

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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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	2000.00	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

These scales have positive scaling potential under final temperature and pressure:



Attachment "G"

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

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5704	5716	5710	2630	0.89	2593
4946	4964	4955	2095	0.86	2063
4685	4692	4689	1950	0.85	1920
4587	4595	4591	1838	0.83	1808 ←
				Minimum	<u><u>1808</u></u>

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

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

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

Daily Activity Report

Format For Sundry

FEDERAL 16-21-9-16**5/1/2007 To 9/30/2007****6/28/2007 Day: 1****Completion**

Rigless on 6/27/2007 - 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 @ 5847' & cement top @ 244'. Perforate stage #1. CP5 sds @ 5704-16' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. 139 BWTR. SIFN.

6/29/2007 Day: 2**Completion**

Rigless on 6/28/2007 - RU BJ Services. 0 psi on well. Frac CP5 sds w/ 55,584#'s of 20/40 sand in 485 bbls of Lightning 17 fluid. Broke @ 3143 psi. Treated w/ ave pressure of 2306 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2630 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through plug & 18' perf gun. Set plug @ 5060'. Perforate A1 sds @ 4946- 64' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 72 shots. Leave pressure on well. SIWFN w/ 624 BWTR.

7/2/2007 Day: 3**Completion**

Rigless on 7/1/2007 - RU BJ Services. 1713 psi on well. Frac A1 sds w/ 140,302#'s of 20/40 sand in 956 bbls of Lightning 17 fluid. Broke @ 4063 psi. Treated w/ ave pressure of 1929 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2095 psi. Leave pressure on well. 1580 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid plug & 7' perf gun. Set plug @ 4790'. Perforate C sds @ 4685- 92' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 28 shots. RU BJ Services. 430 psi on well. Frac C sds w/ 24,299#'s of 20/40 sand in 323 bbls of Lightning 17 fluid. Broke @ 4212 psi. Treated w/ ave pressure of 1973 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1950 psi. Leave pressure on well. 1903 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid plug & 8' perf gun. Set plug @ 4650'. Perforate D2 sds @ 4587- 95' w/ 3-1/8" Slick Guns (.43"HE, 23 gram, 90°) w/ 4 spf for total of 32 shots. RU BJ Services. 112 psi on well. Frac D2 sds w/ 72,627#'s of 20/40 sand in 606 bbls of Lightning 17 fluid. Broke @ 2510 psi. Treated w/ ave pressure of 1400 psi @ ave rate of 24.7 BPM. ISIP 1838 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 3 1/2 hrs & died. Rec 204 BTF. MIRU NC Rig #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. SIWFN w/ 2305 BWTR.

7/3/2007 Day: 4**Completion**

NC #1 on 7/2/2007 - 6:30AM ODU, P/U & RIH W/-4 3/4 Bit, Bit Sub, 146 Jts Tbg, To Fill @ 4586', R/U Nabors Pwr Swvl, C/Out To Plg @ 4650', Drill Up Plg, Swvl I/Hle To Fill @ 4689', C/Out To Plg @ 4790', Drill Up Plg, Swvl I/Hle To Fill @ 4972', C/Out To Plg @ 5060', Drill Up Plg, Swvl I/Hle To Fill @ 5701', C/Out To PBTD @ 5876', Curc Well Clean 1 Hr, R/D Swvl, POOH W/-5 Jts Tbg, EOB @ 5744', SWI, 6:30 C/SDFN, Lost 63 Bbls Wtr On Drill Out To PBTD.

7/5/2007 Day: 5**Completion**

NC #1 on 7/4/2007 - 6:30AM OWU, R/U Swab, RIH, IFL @ Surf, Made 14 Swab Runs, Recvred 157 Bbls Wtr, Lite Trce Oil, Lite Trce Sand, FFL @ 2200', RIH W/-Tbg To Fill @ 5874', 2' Of Fill On PBDT, R/U R/pmp & C/Out To PBDT @ 5876', Curc Well Clean, POOH W/-187 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-2 1/2x1 1/2x12x16' RHAC, 6-1 1/2x25' Wt Bars, 20-3/4x25' Scrapered Rods, 90-3/4x25' Slick Rods, SWI, 6:30PM C/SDFN. Lost 120 Bbls Wtr On C/Out To PBDT & Fishing Tbg, Total Wtr Recvery For Day = 37 Bbls.

7/6/2007 Day: 6

Completion

NC #1 on 7/5/2007 - 6:30AM OWU, P/U & RIH W/-12-3/4X25' Slick Rods, 99-3/4x25' Scrapered Rods, 3/4x8'-4'-2' Ponys, 1 1/2X26' Polish Rod, R/U Unit, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Eq, R/D Rig. POP @ 10:00AM, 76' SL, 5 1/2 SPM, (Final Report).

Pertinent Files: Go to File List

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4537'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 171' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 45 sx Class "G" cement down 5 ½" casing to 373'

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

FEDERAL 16-21-9-16

Spud Date: 05/07/07
 Put on Production: 07/05/07
 GL: 6027' KB: 6039'

Initial Production: BOPD,
 MCFD, BWPD

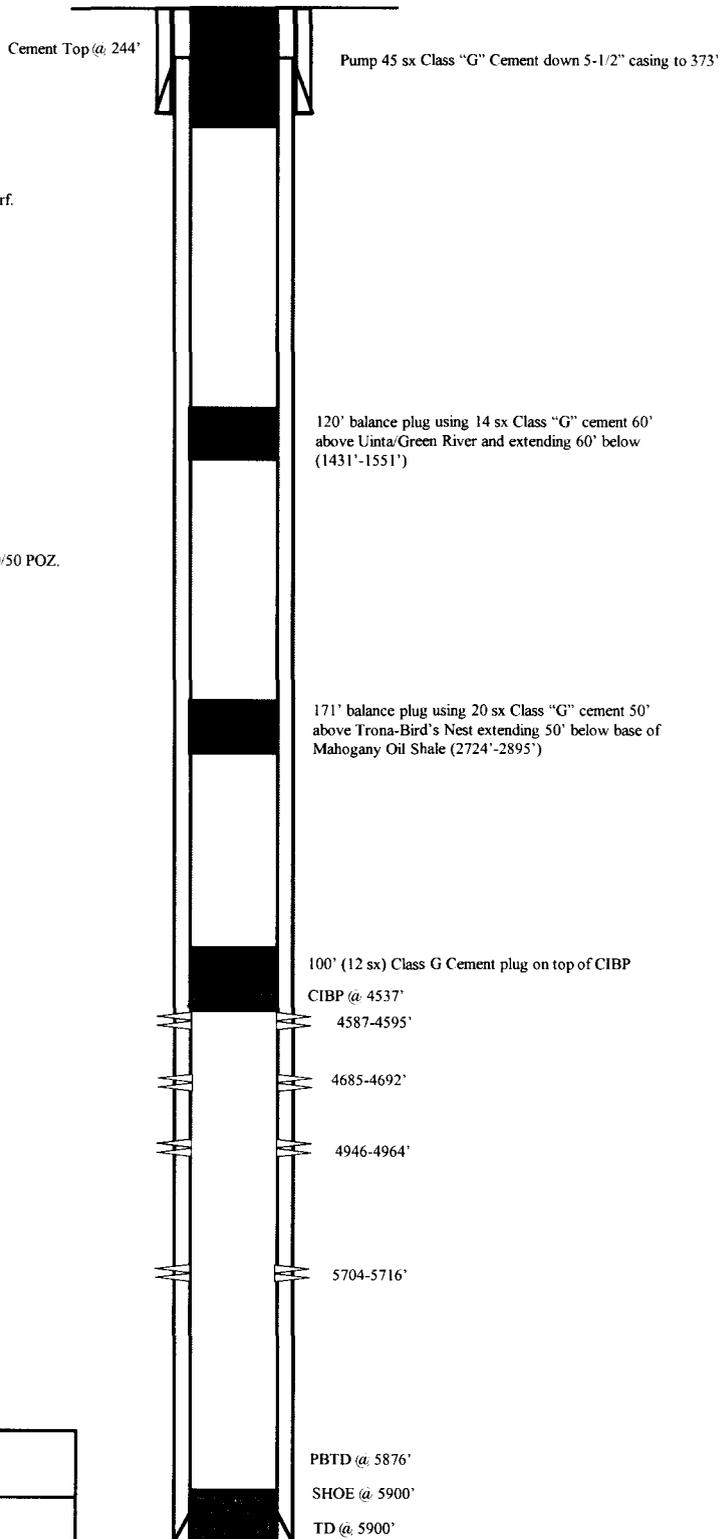
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.91')
 DEPTH LANDED: 323.76' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, 3.5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5887.06')
 DEPTH LANDED: 5900.31' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 328 sxs Prem. Lite II mixed & 402 sxs 50/50 POZ.
 CEMENT TOP: 244'




FEDERAL 16-21-9-16 606' FSL & 831' FEL SE/SE Section 21-T9S-R16E Duchesne Co, Utah API #43-013-33165; Lease # UTU-74392