



February 17, 2006

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

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

Dear Diana:

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

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

**RECEIVED**  
**FEB 21 2006**  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.  
UTU-52018

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

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

8. Lease Name and Well No.  
Federal 3-20-9-16

9. API Well No.  
43-013-33047

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area  
NE/NW Sec. 20, T9S R16E

12. County or Parish  
Duchesne

13. State  
UT

1a. Type of Work:  DRILL  REENTER

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

2. Name of Operator  
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/NW 785' FNL 1826' FWL 572932X 40.021506  
At proposed prod. zone 4430284Y -110.145353

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 14.1 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. 1826' f/lse, NA' f/unit  
Approx. 1111'

16. No. of Acres in lease  
640.00

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. 1111'

19. Proposed Depth  
6015'

20. BLM/BIA Bond No. on file  
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6063' GL

22. Approximate date work will start\*  
2nd Quarler 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: 2/17/06

Title: Regulatory Specialist

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

Title: Office: ENVIRONMENTAL MANAGER

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

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

\*(Instructions on reverse)

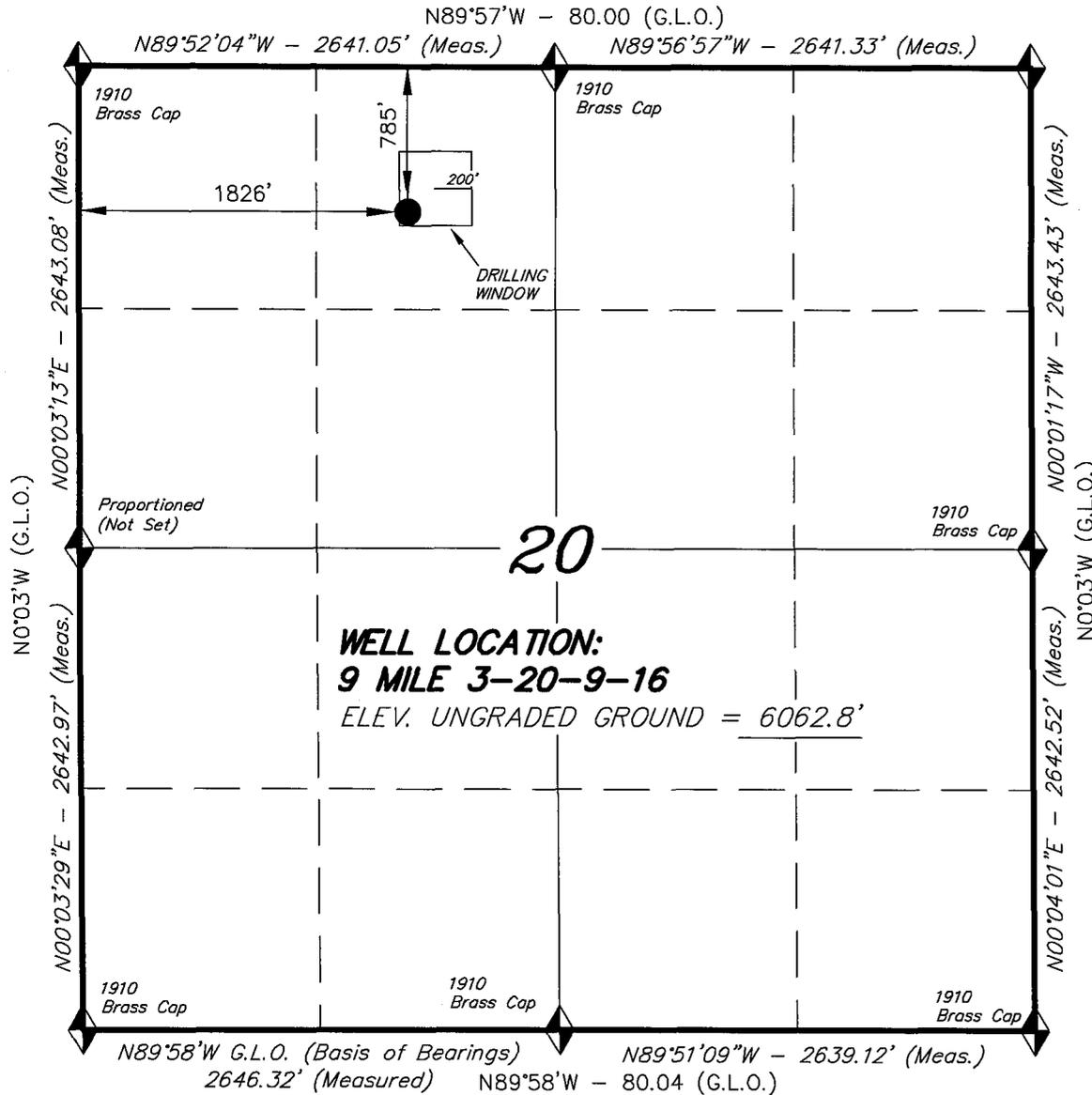
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FEB 21 2006

DIV. OF OIL, GAS & MINING

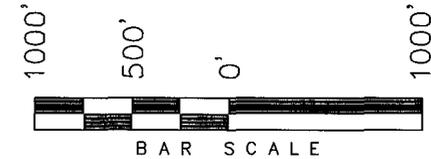
**Federal Approval of this  
Action is Necessary**

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

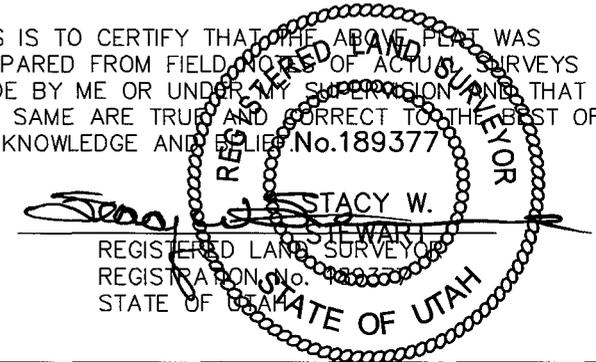
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 MILE 3-20-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NW  
 1/4 OF SECTION 20, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

**9 MILE 3-20-9-16**  
**(Surface Location) NAD 83**  
 LATITUDE =  $40^{\circ} 01' 17.35''$   
 LONGITUDE =  $110^{\circ} 08' 46.01''$

## TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 12-31-05	SURVEYED BY: C.M.
DATE DRAWN: 01-04-06	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY

FEDERAL #3-20-9-16

NE/NW SECTION 20, 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' - 2545'
Green River	2545'
Wasatch	6015'

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

Green River Formation 2545' - 6015' - Oil

4. PROPOSED CASING PROGRAM

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

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

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

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

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

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY  
FEDERAL #3-20-9-16  
NE/NW SECTION 20, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #3-20-9-16 located in the NE 1/4 NW 1/4 Section 20, 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 its junction with an existing road to the southeast; proceed southeasterly - 1.5 miles  $\pm$  to its junction with the beginning of the proposed access road; proceed along the proposed access road - 840'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

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

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

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

5. LOCATION AND TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #3-20-9-16 Newfield Production Company requests 840' of disturbed area be granted in Lease UTU-52018 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 840' of disturbed area be granted in Lease UTU-52018 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.

Newfield Production Company requests 840' of disturbed area be granted in Lease UTU-52018 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

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

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

**Threatened, Endangered, And Other Sensitive Species**

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

15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**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)

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

The proposed Federal #3-20-9-16 was on-sited on 10/25/05. The following were present; Shon Mckinnon (Newfeild Production), Byron Tolman (Bureau of Land Management), and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

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

Representative

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

Certification

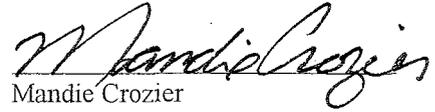
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #3-20-9-16 NE/NW Section 20, Township 9S, Range 16E: Lease UTU-52018 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and

subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/17/06

Date



Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

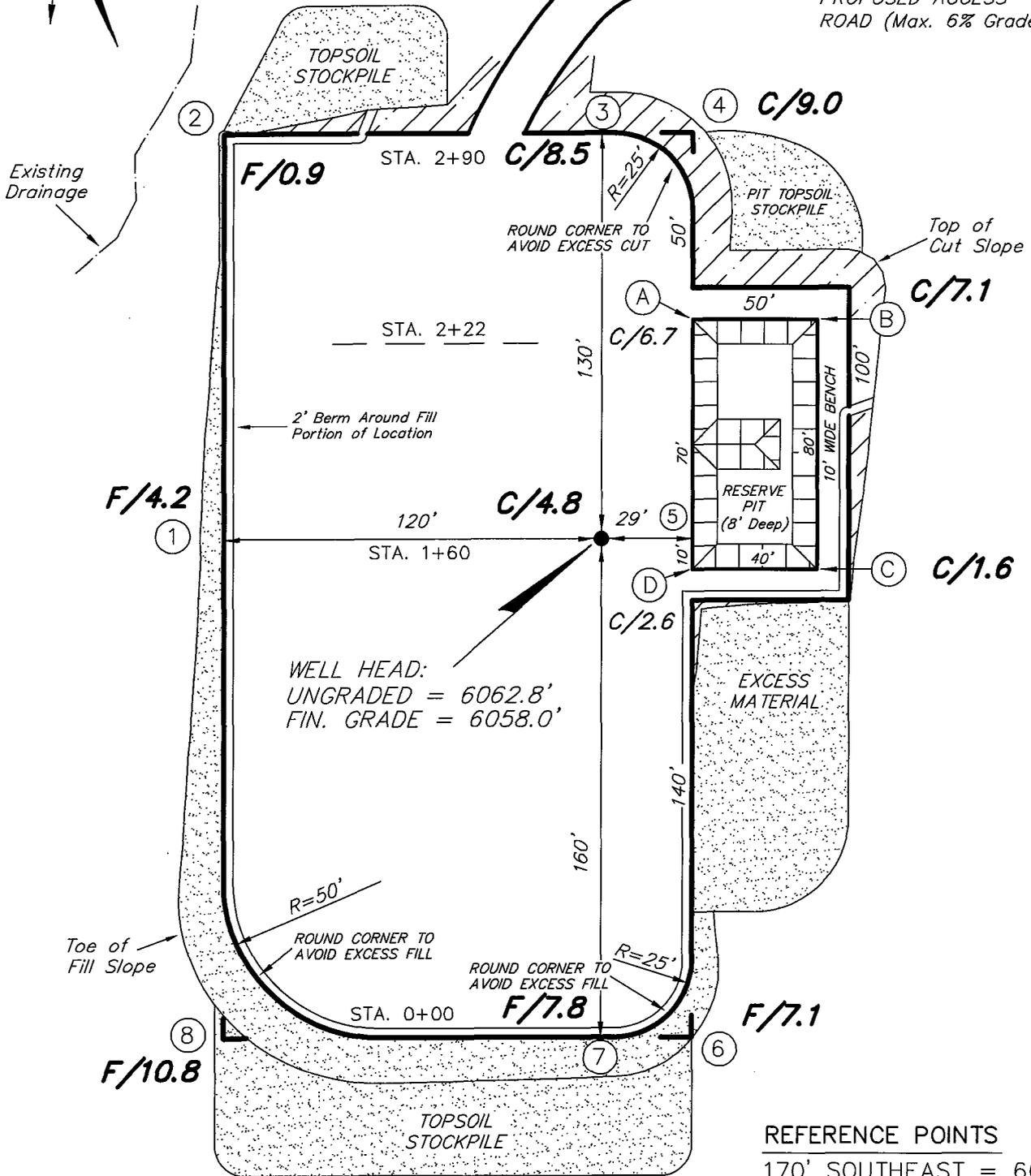
# NEWFIELD PRODUCTION COMPANY

9 MILE 3-20-9-16

Section 20, T9S, R16E, S.L.B.&M.



PROPOSED ACCESS ROAD (Max. 6% Grade)



WELL HEAD:  
UNGRADED = 6062.8'  
FIN. GRADE = 6058.0'

**REFERENCE POINTS**

- 170' SOUTHEAST = 6048.1'
- 220' SOUTHEAST = 6053.1'
- 210' NORTHEAST = 6047.1'
- 260' NORTHEAST = 6044.5'

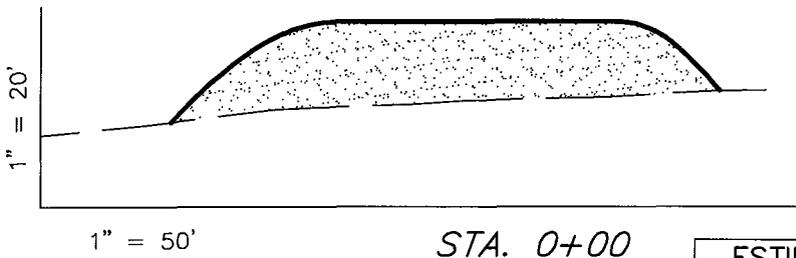
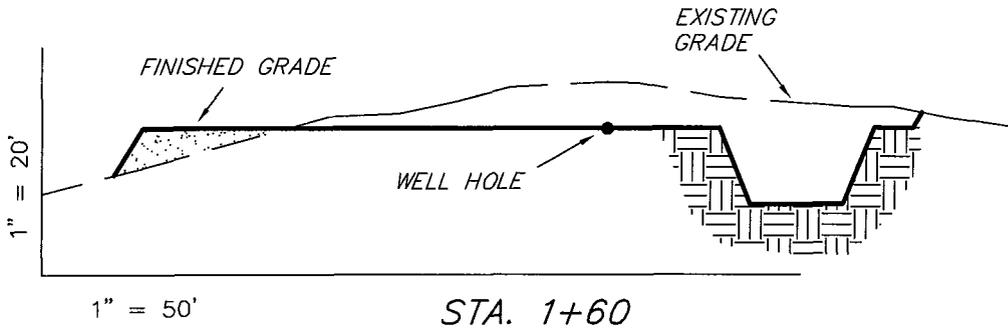
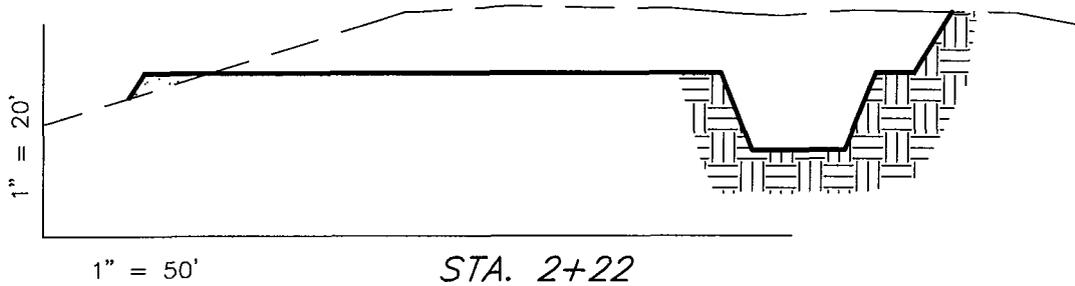
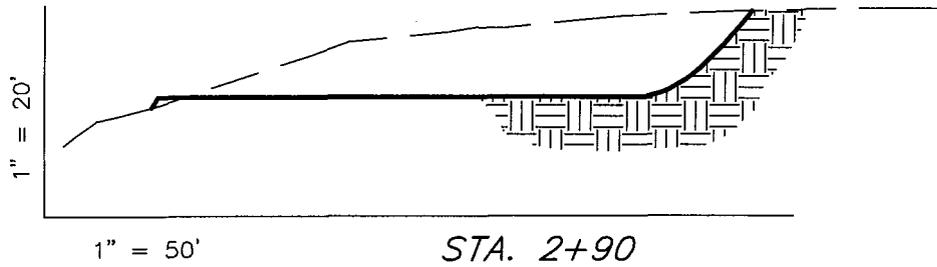
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: L.C.S.	DATE: 01-04-06

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### 9 MILE 3-20-9-16



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,350	4,350	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	4,990	4,350	1,030	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: L.C.S.

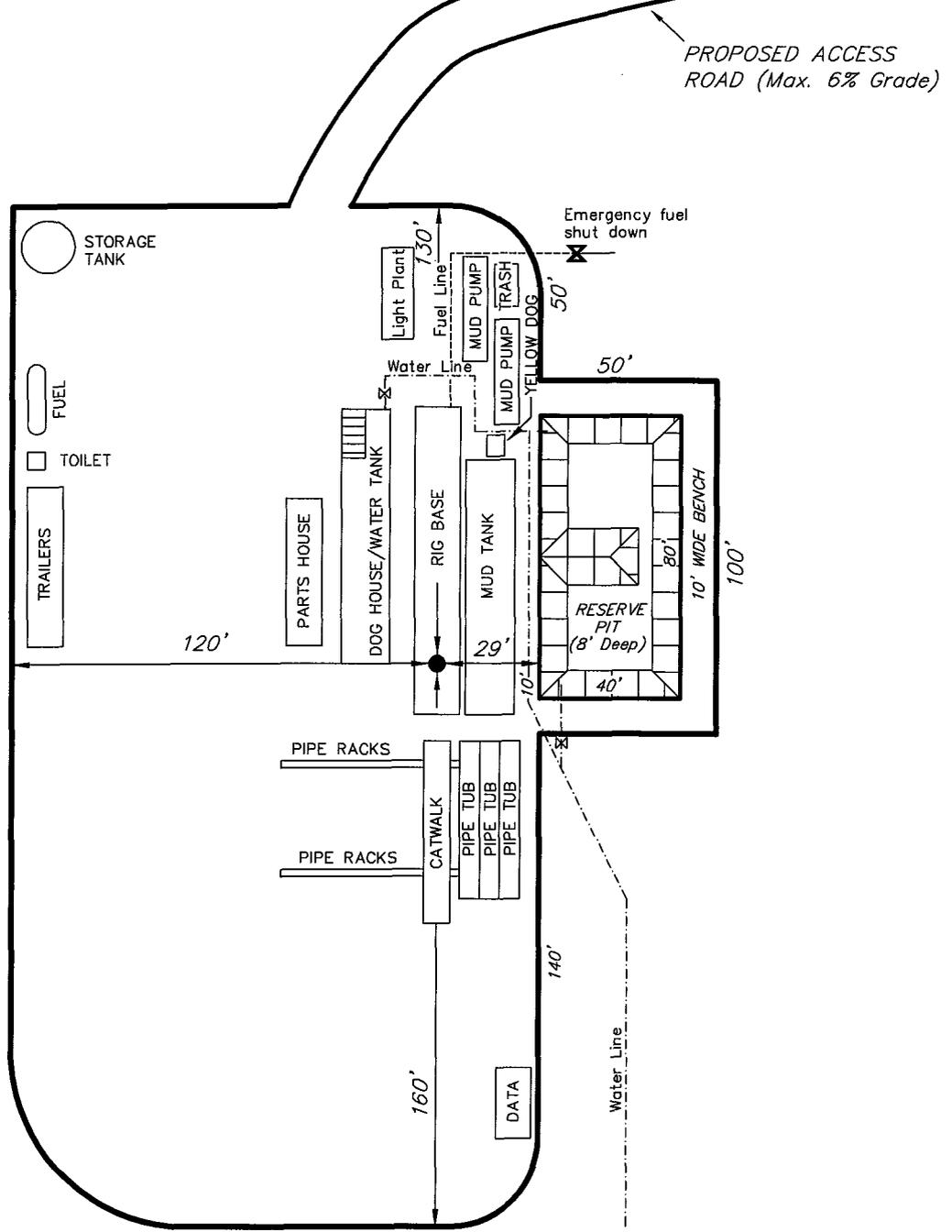
DATE: 01-04-06

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

9 MILE 3-20-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

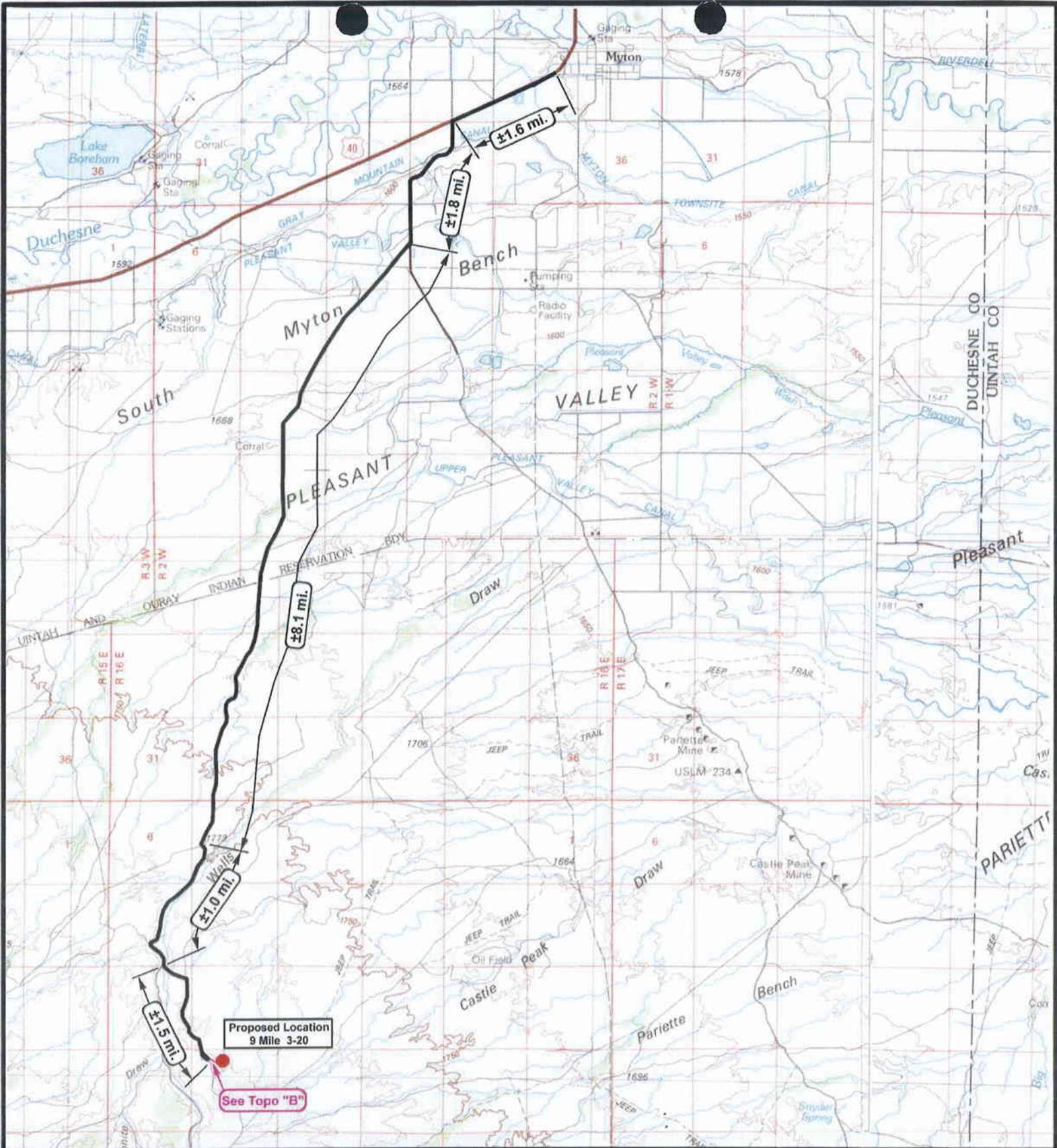
(435) 781-2501

DRAWN BY: L.C.S.

DATE: 01-04-06

Tri State  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**NEWFIELD**  
Exploration Company

**9 Mile 3-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



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

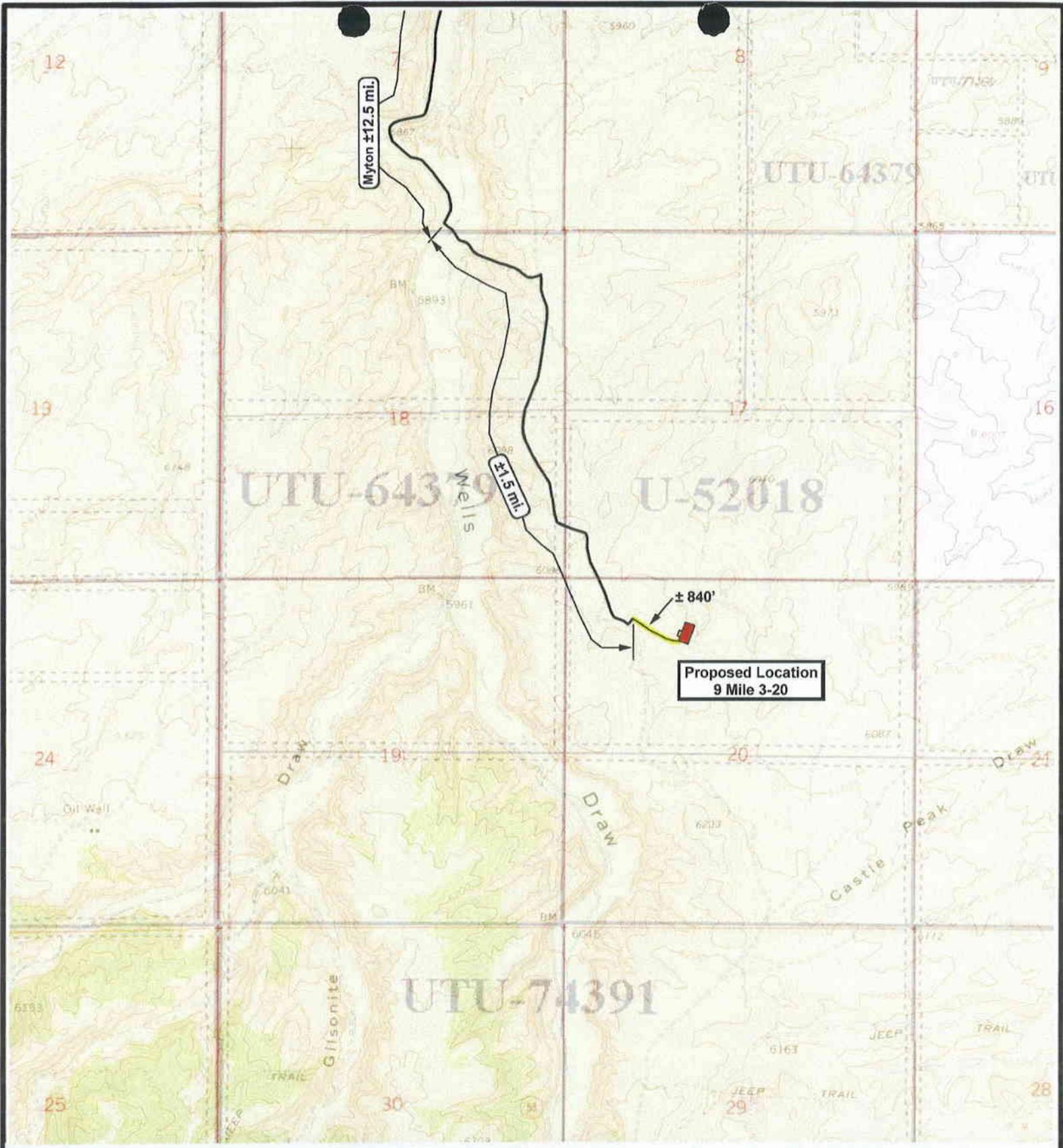
**SCALE: 1 = 100,000**  
**DRAWN BY: mw**  
**DATE: 01-12-2006**

**Legend**

- Existing Road
- Proposed Access

**TOPOGRAPHIC MAP**

**"A"**



**NEWFIELD**  
Exploration Company

**9 Mile 3-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



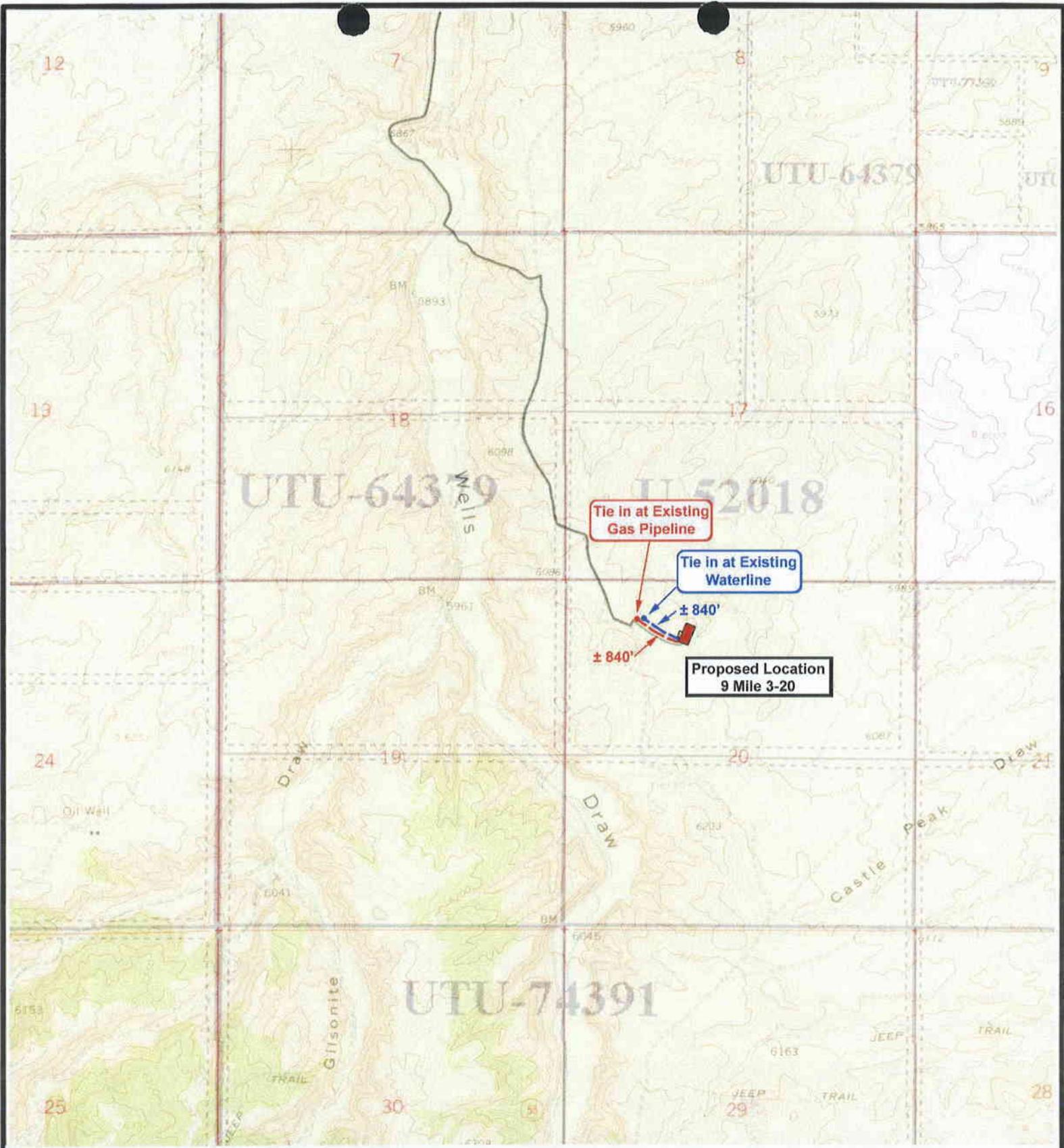
*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 01-12-2006

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**



 **NEWFIELD**  
Exploration Company

**9 Mile 3-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**



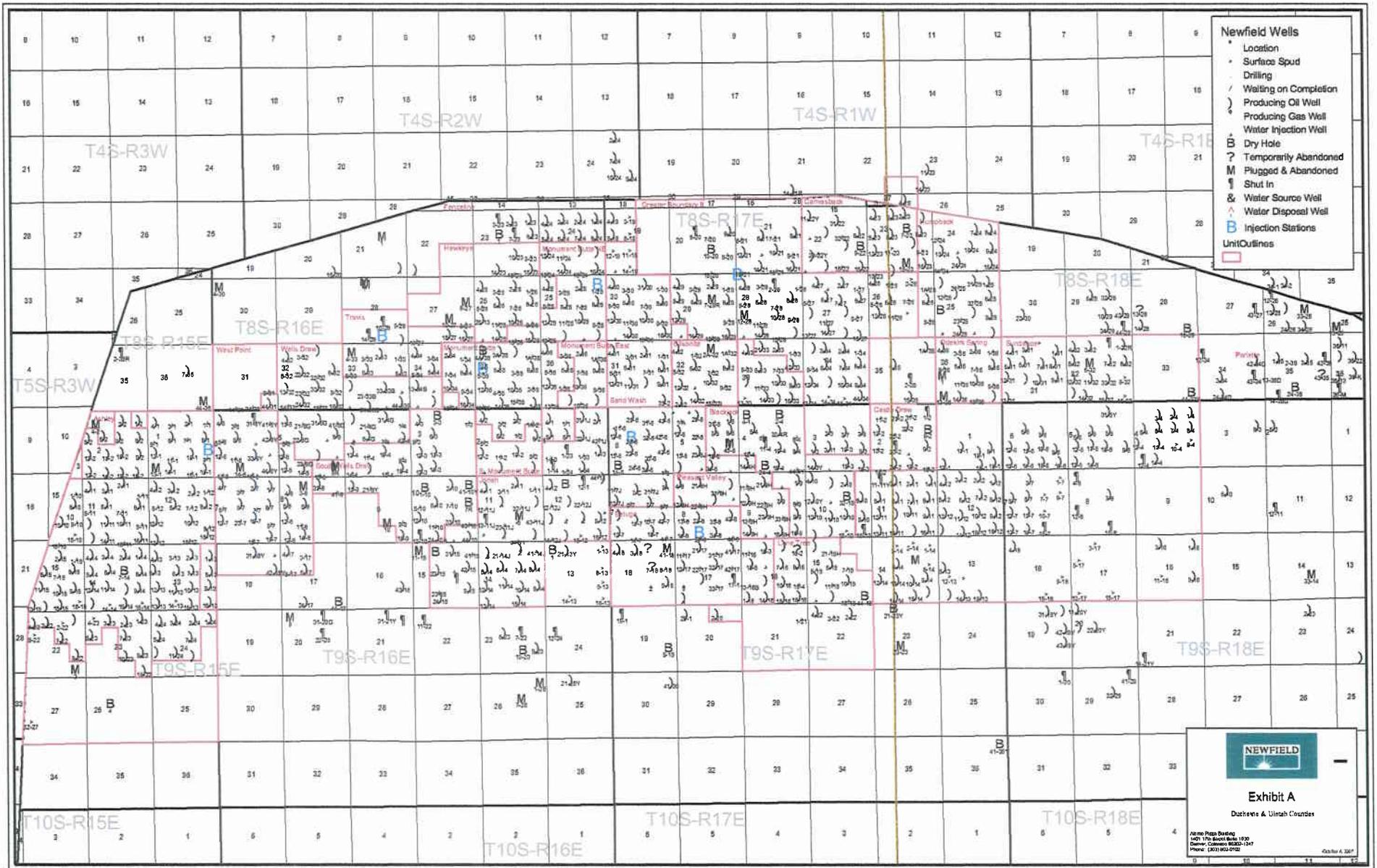
  
**Tri-State**  
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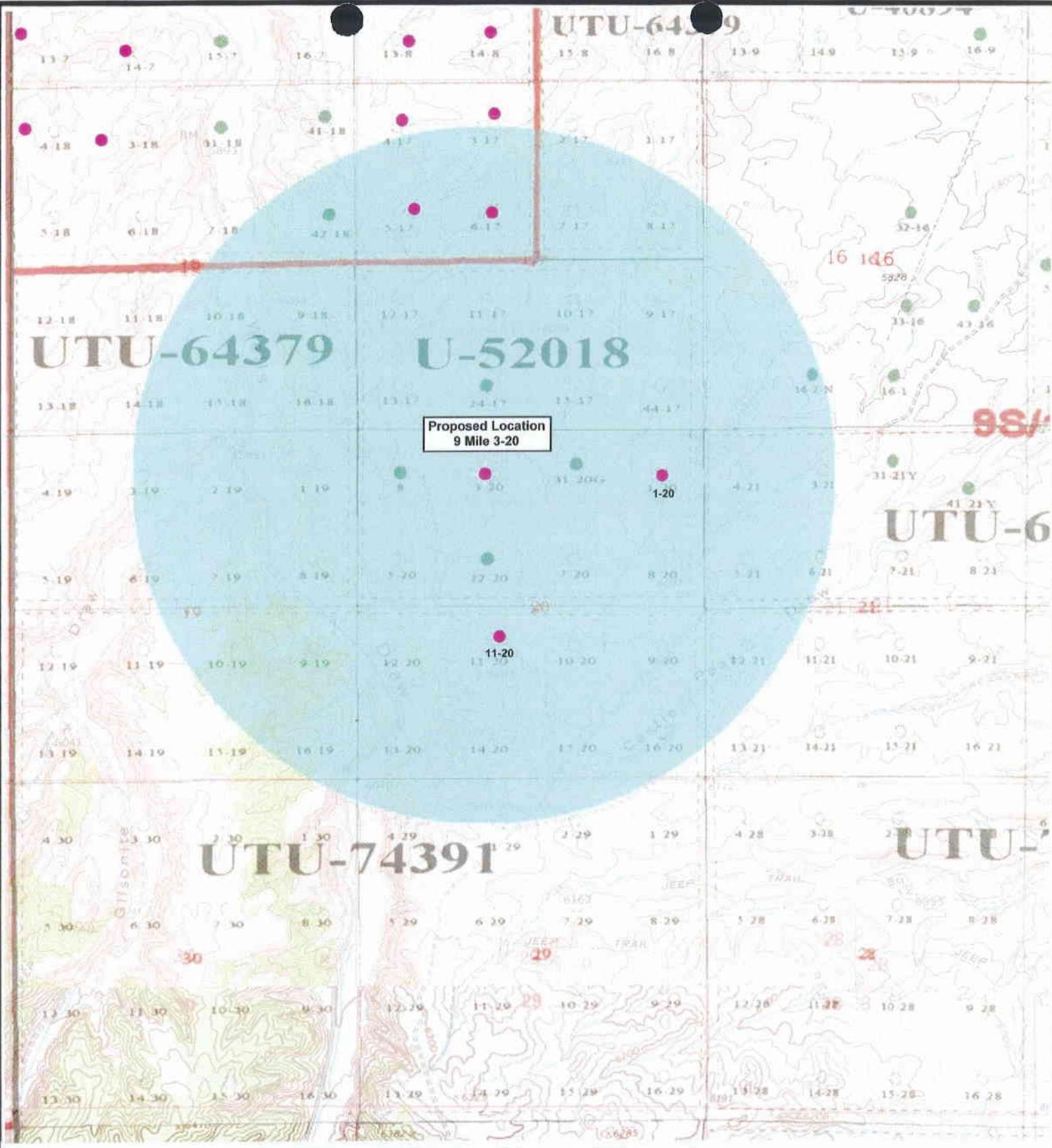
SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 01-12-2006

**Legend**

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**





Proposed Location  
9 Mile 3-20



**NEWFIELD**  
Exploration Company

**9 Mile 3-20-9-16**  
**SEC. 20, T9S, R16E, S.L.B.&M.**




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

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 01-12-2006

**Legend**

- Proposed Location
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

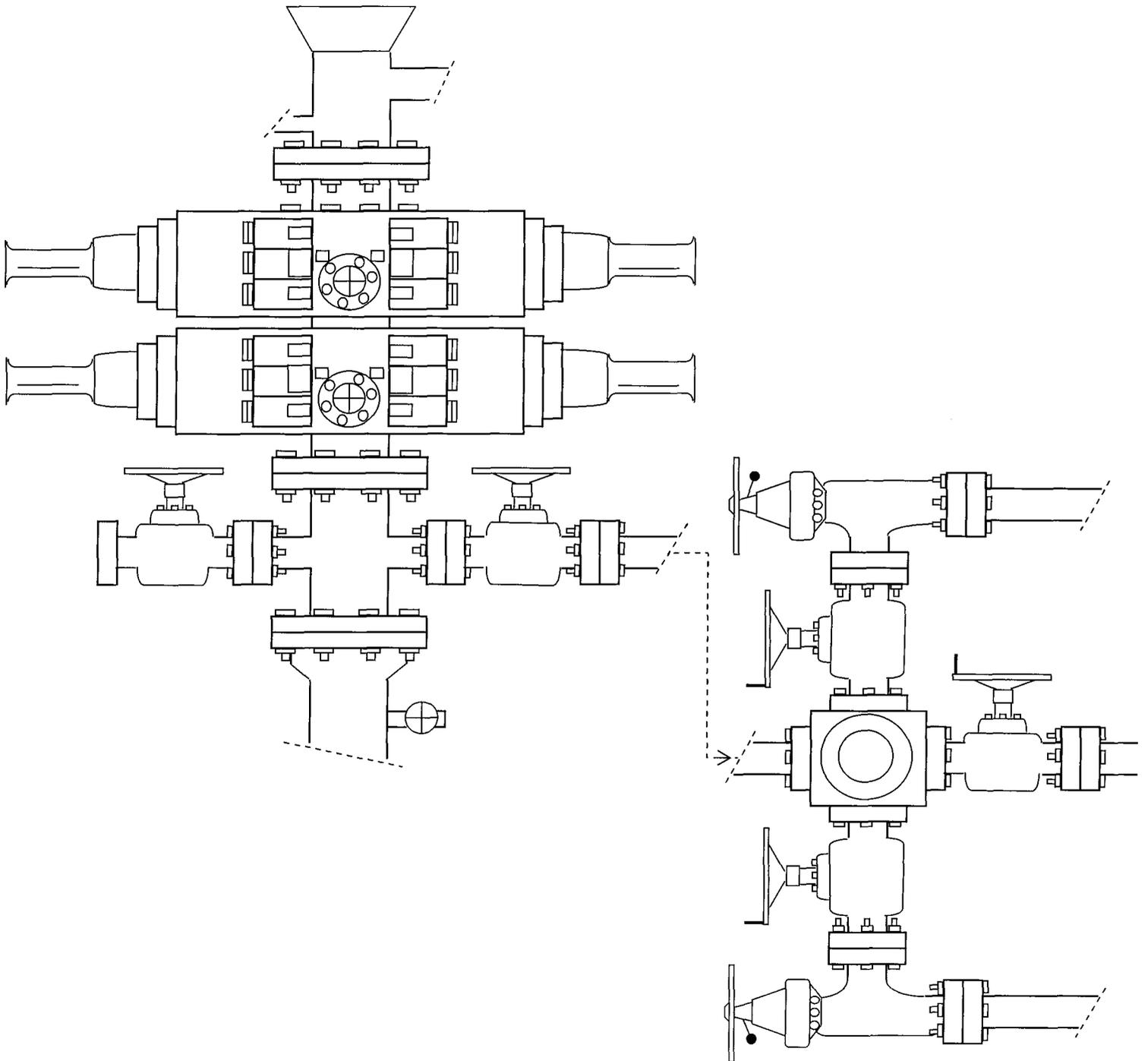


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF  
NEWFIELD EXPLORATION'S BLOCK PARCEL  
IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20,  
DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

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

Prepared By:

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

MOAC Report No. 05-225

July 13, 2005

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

State of Utah Antiquities Project (Survey)  
Permit No. U-05-MQ-0668b

**NEWFIELD PRODUCTION COMPANY**

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

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

**REPORT OF SURVEY**

Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
November 10, 2005

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/21/2006

API NO. ASSIGNED: 43-013-33067

WELL NAME: FEDERAL 3-20-9-16  
 OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENW 20 090S 160E  
 SURFACE: 0785 FNL 1826 FWL  
 BOTTOM: 0785 FNL 1826 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.02151 LONGITUDE: -110.1454  
 UTM SURF EASTINGS: 572932 NORTHINGS: 4430284  
 FIELD NAME: MONUMENT BUTTE ( 105 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-52018  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

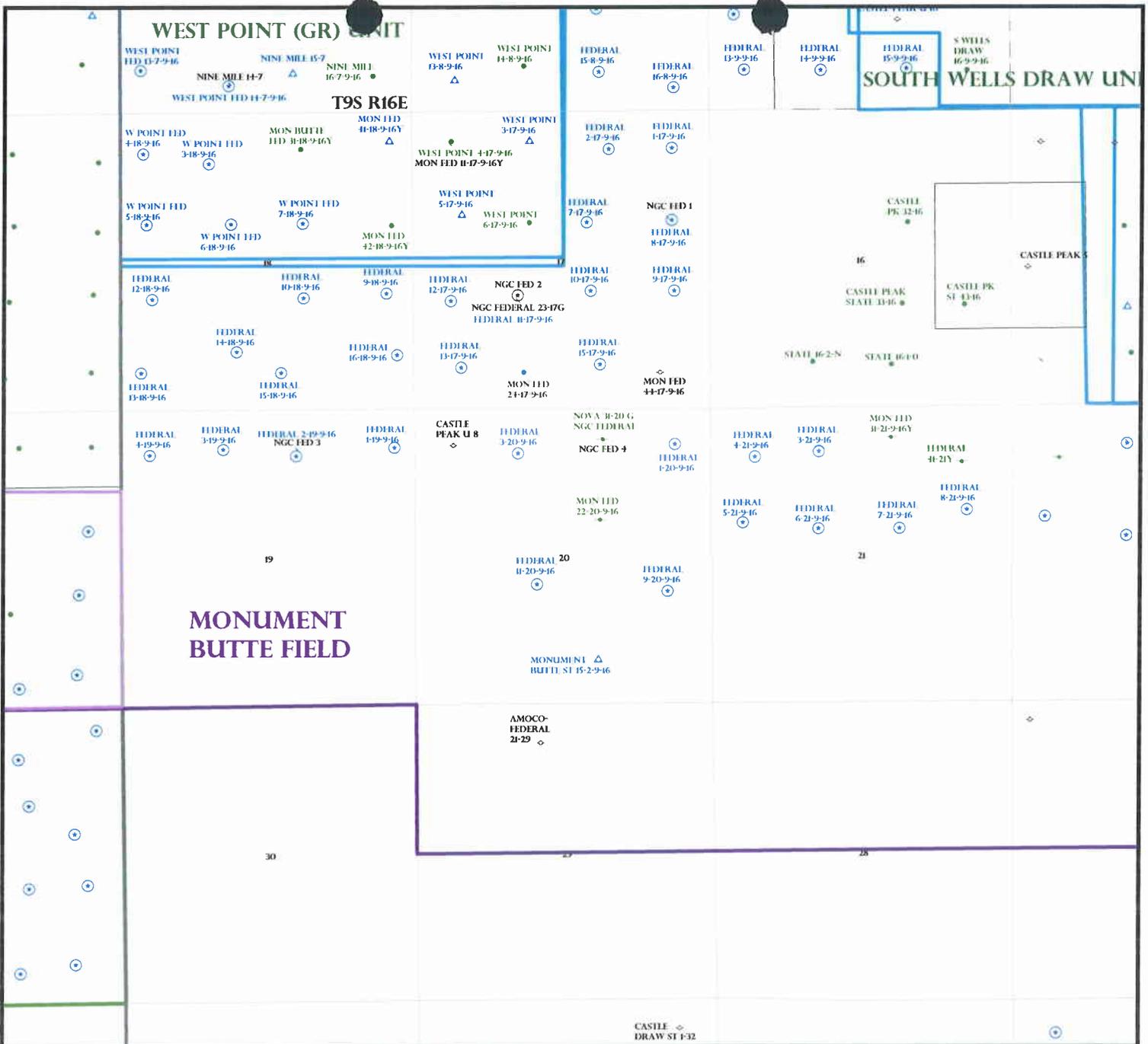
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: See Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing 100'



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 19,20,21 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

**Field Status**

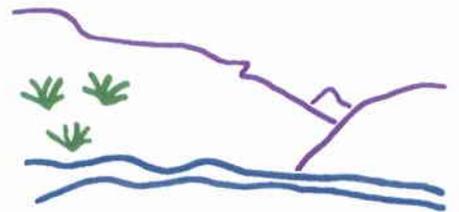
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

**Unit Status**

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

**Wells Status**

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



Utah Oil Gas and Mining



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



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

February 23, 2006

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

Re: Federal 3-20-9-16 Well, 785' FNL, 1826' FWL, NE NW, Sec. 20, 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 43-013-33067.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Newfield Production Company  
**Well Name & Number** Federal 3-20-9-16  
**API Number:** 43-013-33067  
**Lease:** UTU-52018

**Location:** NE NW                      **Sec.** 20                      **T.** 9 South                      **R.** 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**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-52018**

6. If Indian, Allottee or Tribe Name  
**NA**

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

8. Well Name and No.  
**FEDERAL 3-20-9-16**

9. API Well No.  
**43-013-33067**

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)  
**785 FNL 1826 FWL NE/NW Section 20, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Permit Extension</b>
	<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 2/23/06 (expiration 2/23/07).

This APD has not been approved yet by the BLM.

Approved by the  
Utah Division of  
Oil, Gas and Mining

2-8-07  
RM

Date: 02-07-07  
By: [Signature]

FEB 06 2007

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

Signed Mandie Crozier Title Regulatory Specialist Date 2/2/2007  
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:** 43-013-33067  
**Well Name:** Federal 3-20-9-16  
**Location:** NE/NW Section 20,T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 2/23/2006

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  NA

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

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

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

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

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

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

  
Signature

2/2/2007

Date

**Title:** Regulatory Specialist

**Representing:** Newfield Production Company

FEB 06 2007

FEB 21 2006

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-52018
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 3-20-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/NW 785' FNL 1826' FWL At proposed prod. zone		9. API Well No. 43-013-33067
14. Distance in miles and direction from nearest town or post office* Approximatley 14.1 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) Approx. 1826' f/lse, NA' f/unit	16. No. of Acres in lease 640.00	11. Sec., T., R., M., or Blk. and Survey or Area NE/NW Sec. 20, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1111'	19. Proposed Depth 6015'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6063' GL	22. Approximate date work will start* 2nd Quarter 2006	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BIA Bond No. on file UTB000192		
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 2/17/06
Title Regulatory Specialist		
Approved by (Signature) <i>Jean Kevorka</i>	Name (Printed/Typed) Jean Kevorka	Date 2-7-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

**CONDITIONS OF APPROVAL ATTACHED**

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

(Instructions on reverse)

RECEIVED

FEB 13 2007

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

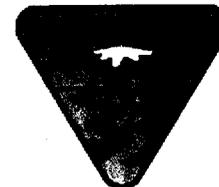
No NOS

07RM4689A



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

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



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company      **Location:** NENW, Sec 20, T9S, R16E  
**Well No:** Federal 3-20-9-16      **Lease No:** UTU-52018  
**API No:** 43-013-33067      **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
<b>After Hours Contact Number:</b>	<b>435-781-4513</b>	<b>Fax:</b> 435-781-4410	

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

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

**NOTIFICATION REQUIREMENTS**

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

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

**LEASE STIPULATIONS**

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

**GENERAL CONDITIONS OF APPROVAL**

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.

- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

- The interim seed mix for this location shall be:

Indian Ricegrass ( <i>Oryzopsis hymenoides</i> )	4 lbs/acre
Needle and Threadgrass ( <i>Stipa comata</i> ):	4 lbs/acre
Scarlet Globemallow ( <i>Sphaeralcea coccinea</i> ):	1 lb/acre
Winter Fat ( <i>Ceratoides lanata</i> )	3 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.

- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.

- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

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

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

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

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

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

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

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

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

Cement baskets shall not be run on surface casing.

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

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

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

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

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

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_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.

# DIVISION OF OIL, GAS AND MINING

## ***SPUDDING INFORMATION***

Name of Company: Newfield Production Company

Well Name: Federal 3-20-9-16

API No: 43-013-33067 Lease Type: Federal

Section 20 Township 09S Range 16E County Duchesne

Drilling Contractor NDSI Rig # NS#1

### **SPUDDED:**

Date 5-23-07

Time 10:00 AM

How Dry

***Drilling will Commence:*** \_\_\_\_\_

Reported by Justin Crum

Telephone # 435-823-6733

Date 5-23-07 Signed RM

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-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
FEDERAL 3-20-9-16

9. API Well No.  
4301333067

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 area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
785 FNL 1826 FWL  
NENW Section 20 T9S R16E

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

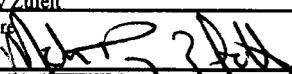
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

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

On 5/23/2007 MIRU NDSI NS # 1. Spud well @ 10:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 316.57' / KB On 5/25/2007 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 7 bbls cement to pit. WOC.

RECEIVED  
MAY 30 2007  
DIV. OF OIL, GAS & MINING

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

Signature 

Title  
Drilling Foreman

Date  
05/25/2007

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)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 316.57

LAST CASING 8 5/8" set @ 316.57  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 3-20-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 41.25'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	304.72
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			306.57
TOTAL LENGTH OF STRING		306.57	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>316.57</b>
TOTAL		304.72	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		304.72	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	5/23/2007	10:00 AM	GOOD CIRC THRU JOB <u>YES</u>			
CSG. IN HOLE		5/24/2007	1:00 PM	Bbls CMT CIRC TO SURFACE <u>7</u>			
BEGIN CIRC		5/25/2007	10:53 AM	RECIPROCATED PIPE FOR <u>N/A</u>			
BEGIN PUMP CMT		5/25/2007	11:06 AM				
BEGIN DSPL. CMT		5/25/2007	11:18 AM	BUMPED PLUG TO <u>490</u> PSI			
PLUG DOWN		5/25/2007	11:24 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 5/25/2007

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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	16146	4301332958	FEDERAL 2-22-9-16	NWNE	22	9S	16E	DUCHESNE	5/23/2007	5/31/07
WELL 1 COMMENTS: <i>GRRV</i>											
A	99999	16147	4301333067	FEDERAL 3-20-9-16	NENW	20	9S	16E	DUCHESNE	5/23/2007	5/31/07
WELL 2 COMMENTS: <i>GRRV</i>											
B	99999	16148	4301333138	FEDERAL 5-15-9-16	SWNW	15	9S	16E	DUCHESNE	5/25/2007	5/31/07
WELL 3 COMMENTS: <i>GRRV * OUTSIDE JONAH BOUNDARIES</i>											
A	99999		4301333109	FEDERAL 16-20-9-16	SESE	20	9S	16E	DUCHESNE	5/29/2007	
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											
WELL 6 COMMENTS:											
WELL 7 COMMENTS:											

ACTION CODES (See instructions on the back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (pump or unit well)
- C - two or more 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 31 2007

DIV. OF OIL, GAS & MINING

*Jentri Park*  
Signature  
Jentri 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.

SECRETARY OF THE INTERIOR, DEPARTMENT OF THE INTERIOR		5. Lease Serial No. USA UTU-52018
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name.
2. Name of Operator NEWFIELD PRODUCTION COMPANY		7. If Unit or CA/Agreement, Name and/or
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include area code) 435.646.3721	8. Well Name and No. FEDERAL 3-20-9-16
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 785 FNL 1826 FWL NENW Section 20 T9S R16E		9. API Well No. 4301333067
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

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

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

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

On 7/16/2007 MIRU Patterson Rig # 155. Set all equipment. 7/19/2007 Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 286'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,995'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 155 jt's of 5.5 J-55, 15.5# csgn. Set @ 5976.01' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.49 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With all spacers returned to pit. Nipple down Bop's. Drop slips @ 116,000 #'s tension. Release rig 1:00 pm on 7/25/2007.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Troy Zufelt	Title Drilling Supervisor
Signature 	Date 07/26/2007

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)

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

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5976.01

Flt cllr @ 5930.15

LAST CASING 8 5/8" Set @ 316.57

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 3-20-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

CONTRACTOR & RIG # Patterson-UTI Rig # 155

TD DRILLER 5995' TD loggers 5969'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 6.25' @ 3949.89'					
155	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5918.15
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.61
		<b>GUIDE</b> shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5978.01
TOTAL LENGTH OF STRING		5978.01	155	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		367.02	10	CASING SET DEPTH			<b>5976.01</b>
<b>TOTAL</b>		<b>6329.78</b>	165	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6329.78	165				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		7/24/2007	12:00 AM	GOOD CIRC THRU JOB		YES	
CSG. IN HOLE		7/24/2007	4:30 AM	Bbls CMT CIRC to surface		All Spacers to pit	
BEGIN CIRC		7/24/2007	4:45 AM	RECIPROCATED PIPE FOR		THRUSTROKE	
BEGIN PUMP CMT		7/25/2007	6:48 AM	DID BACK PRES. VALVE HOLD ?		YES	
BEGIN DSPL. CMT		7/25/2007	7:30 AM	BUMPED PLUG TO		2289	PSI
PLUG DOWN		7/25/2007	7:57 AM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal +.5SMS+FP+SF					
		mixed @ 11.0 ppg W / 3.49 cf/sk yield					
2	450	50/50:2 W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk.C.F.2%SF+.3% SMS+FP-6L mixed @14.4 ppgW/ 1.24YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Troy Zufelt DATE 7/25/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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



1. Type of Well  
 Oil Well    Gas Well    Other

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)  
                   785 FNL 1826 FWL  
                   NENW Section 20 T9S R16E

5. Lease Serial No.  
                   USA UTU-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.  
                   FEDERAL 3-20-9-16

9. API Well No.  
                   4301333067

10. Field and Pool, or Exploratory Area  
                   MONUMENT BUTTE

11. County or Parish, State  
                   DUCHESNE, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> 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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

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

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

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

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

08/13/2007

Approved by

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

Title

Date

Office

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

(Instructions on reverse)

**RECEIVED**

**AUG 14 2007**

**DIV. OF OIL, GAS & MINING**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-52018

**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:

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:

FEDERAL 3-20-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333067

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: 785 FNL 1826 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 20, 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"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 08/22/2007	<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	

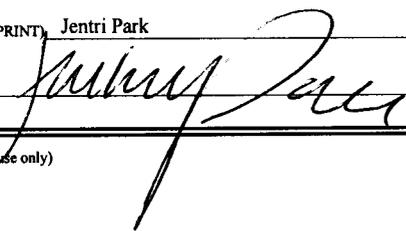
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 08/12/07, attached is a daily completion status report.

RECEIVED  
AUG 29 2007

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 08/22/2007

(This space for State use only)

## Daily Activity Report

Format For Sundry

**FEDERAL 3-20-9-16**

6/1/2007 To 10/30/2007

**8/2/2007 Day: 1**

**Completion**

Rigless on 8/1/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5877' & cement top @ 408'. Perforate stage #1, CP1 sds @ 5510-20' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 40 shots. 141 bbls EWTR. SIFN.

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**8/8/2007 Day: 2**

**Completion**

Rigless on 8/7/2007 - RU BJ Servics "Ram Head" frac flange. RU BJ & frac CP1 sds, stage #1 down casing w/ 28,247#'s of 20/40 sand in 420 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2315 psi. Treated @ ave pressure of 2334 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2280. 561 bbls EWTR. Leave pressure on well. RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8' perf gun. Set plug @ 5383'. Perforate LODC sds @ 5273-81' w/ 3-1/8" Slick Guns (23 gram, .37" HE, 90°) w/ 4 spf for total of 32 shots. BJ broke down. RU BJ & frac stage #2 w/ 14,530#'s of 20/40 sand in 286 bbls of Lightning 17 frac fluid. Open well w/ 1738 psi on casing. Perfs broke down @ 4000 psi. Treated @ ave pressure of 2660 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2050. 847 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 13' perf gun. Set plug @ 5200'. Perforate LODC sds @ 5119-32' w/ 4 spf for total of 52 shots. RU BJ & frac stage #3 w/ 45,312#'s of 20/40 sand in 447 bbls of Lightning 17 frac fluid. Open well w/ 1730 psi on casing. Perfs broke down @ 2623 psi. Treated @ ave pressure of 2162 w/ ave rate of 26.2 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1900. 1294 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 7' perf gun. Set plug @ 4760'. Perforate D2 sds @ 4654-61' w/ 4 spf for total of 28 shots. RU BJ & frac stage #4 w/ 25,097#'s of 20/40 sand in 345 bbls of Lightning 17 frac fluid. Open well w/ 1420 psi on casing. Perfs broke down @ 3700 psi. Treated @ ave pressure of 1686 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1760. 1639 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 14' perf gun. Set plug @ 4615'. Perforate D1 sds @ 4576-00' w/ 4 spf for total of 56 shots. RU BJ & frac stage #5 w/ 77,698#'s of 20/40 sand in 604 bbls of Lightning 17 frac fluid. Open well w/ 1219 psi on casing. Perfs broke down @ 2748 psi. Treated @ ave pressure of 1939 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. ISIP was 2122. 243 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 4 hours & died w/ 243 bbls rec'd. SIFN.

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**8/9/2007 Day: 3**

**Completion**

NC #1 on 8/8/2007 - 6:30AM MIRU NC#1, N/D 10,000 BOP & Frac HD, N/U 3,000 Flng & 5,000 BOP, P/U & RIH W/-4 3/4 Bit & Bit Sub, 147 Jts Tbg To Plg @ 4615', R/U Nabors Pwr Swvl, Drill Up Plg, Swvl I/Hle To Plg @ 4760', Drill Up Plg, Swvl I/Hle To Plg @ 5200', Drill Up Plg, Swvl I/Hle To Plg @ 5383', Drill Up Plg, Swvl I/Hle To Fill @ 5836', C/Out To PBTD @ 5912', Curc Well Clean 30 Min, R/D Swvl, POOH W/-5 Jts Tbg, EOB @ 5764', Pour Rope Socket For S/Line, SWI, 6:30PM C/SDFN. 128 Bbls Wtr Loss For Day.

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**8/10/2007 Day: 4****Completion**

NC #1 on 8/9/2007 - 6:30AM OWU, RIH W/-Swab, IFL @ Surf, Made 12 Swab Runs, Recvred 142 Bbls Wtr, Lite Trce Oil, Lite Trce Sand FFL @ 1200', RIH W/-Tbg To Fill @ 5908', C/Out To PBTD @ 5912', Curc Well Clean, POOH W/-188 Jts Tbg, Bit Sub & Bit. P/U & RIH W/- N/C, 2 Jts Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 174 Jts Tbg, N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD, R/U R/pmp, Flsh Tbg W/-60 Bbls Wtr, SWI, 6:30 PM C/SDFN. Lost 40 Bbls Wtr On Curc Out @ PBTD, Total Wtr Recvry For Day = 102 Bbls.

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**8/13/2007 Day: 5****Completion**

NC #1 on 8/12/2007 - 6:30AM OWU, P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x10x14' RHAC & Rod Production String Shown Below. Seat pmp, R/U Unit, R/U R/pmp, Fill Tbg W/-2 Bbls Wtr, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Eq, R/D Rig. POP @ 1:00 PM, 86" SL, 5 SPM, ( Final Report ).

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**Pertinent Files: Go to File List**

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

5. LEASE DESIGNATION AND SERIAL NO.

**UTU-52018**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

Federal

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR.  Other \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.

Federal 3-20-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

**SEP 04 2007**

9. WELL NO.

43-013-33067

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

DIV. OF OIL, GAS & MINING

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

At Surface 785' FNL & 1826' FWL (NE/NW) Sec. 20, T9S, R16E

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

Sec. 20, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-33067 DATE ISSUED 02/23/07

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

05/23/07

16. DATE T.D. REACHED

07/24/07

17. DATE COMPL. (Ready to prod.)

08/10/07

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

6063' GL

19. ELEV. CASINGHEAD

6075' KB

20. TOTAL DEPTH, MD & TVD

5995'

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

5912'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

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

Green River 4576'-5520'  
4500-5520

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

**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#	317'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5976'	7-7/8"	300 sx Premlite II and 425 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5585'	TA @ 5486'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5510'-5520'	.49"	4/40	5510'-5520'	Frac w/ 28,247# 20/40 sand in 420 bbls fluid
(LODC) 5273'-5281'	.37"	4/32	5273'-5281'	Frac w/ 14,530# 20/40 sand in 286 bbls fluid
(LODC) 5119'-5132'	.37"	4/52	5119'-5132'	Frac w/ 45,312# 20/40 sand in 447 bbls fluid
(D2) 4654'-4661'	.37"	4/28	4654'-4661'	Frac w/ 25,097# 20/40 sand in 345 bbls fluid
(D1) 4576'-4500'	.37"	4/56	4576'-4500'	Frac w/ 77,698# 20/40 sand in 604 bbls fluid

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

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
08/10/07	2-1/2" x 1-1/2" x 10' x14' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	52	0	26	0
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.)

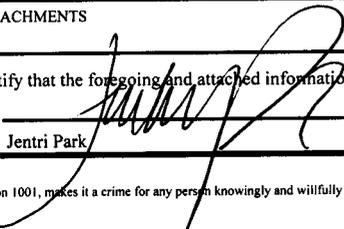
Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED



TITLE

Production Clerk

DATE

8/30/2007

Jentri Park

JP

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 3-20-9-16	Garden Gulch Mkr	3594'	
				Garden Gulch 1	3791'	
				Garden Gulch 2	3895'	
				Point 3 Mkr	4142'	
				X Mkr	4406'	
				Y-Mkr	4437'	
				Douglas Creek Mkr	4548'	
				BiCarbonate Mkr		
				B Limestone Mkr	4883'	
				Castle Peak	5459'	
				Basal Carbonate	5900'	
				Total Depth (LOGGERS)	5969'	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
--	---

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-20-9-16
------------------------------------	--

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013330670000
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<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 382-4443 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
--	--	--

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0785 FNL 1826 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 20 Township: 09.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/1/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield Production Company requests the approval to open additional pay in the B2 sand in the subject well. The single stage OAP will target the following intervals [4850-4852], [4844-4846] and [4838-4841]. Attached is the detailed procedure and well bore diagram, please contact Paul Weddle at 303-383-4117 with any questions.

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

Date: October 28, 2010

By: *Paul Weddle*

<b>NAME (PLEASE PRINT)</b> Sam Styles	<b>PHONE NUMBER</b> 303 893-0102	<b>TITLE</b> Engineering Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/27/2010	

**Newfield Production Company**

**Federal 3-20-9-16**

**Procedure for: OAP B2. Tubing fracs**

**Well Status: See attached Wellbore Diagram**

**AFE #** [redacted] Q4 master AFE

**Engineer: Paul Weddle** [pweddle@newfield.com](mailto:pweddle@newfield.com)  
mobile 720-233-1280  
office 303-383-4117

**PROCEDURE**

- 1 Blow down tbg. MIRU SU. Seat pump and pressure test tubing to 3,000 psi. POH, LD, and visually inspect rods and pump. ND wellhead. Strip-on and NU BOP. GIH and tag fill. Clean out to PBTD as necessary. TOOH visually inspecting 2-7/8" production tbg. Report any scale on production string (interval, depth, type) on morning report and verbally to Engineer
- 2 RU wireline unit. Make 4-3/4" gauge ring run to +/- **5,912**  
Only Run B&S if required. RIH and perforate the following interval w/ 3SPF 120deg phasing:
 

<b>B2</b>	<b>4850-4852</b>	3spf	120deg phasing
<b>B2</b>	<b>4844-4846</b>	3spf	120deg phasing
<b>B2</b>	<b>4838-4841</b>	3spf	120deg phasing
- 3 PU tandem RBP/PKR and TIH on 2-7/8" N80 8RD EUE workstring. Breakdown all new perforations with 5-10 bbls fresh water while TIH (skip to next step if only 1 treatment zone)  
Set RBP @ +/- **4,900** and test to 4,000psi. PUH with packer to +/- **4,790**
- 4 RU frac equip. Frac the **B2** down tubing w/**50,000**# 20/40sand at 15 BPM with max sand concentration of 6ppg per BJ recommendation.
- 5 Flowback well immediately @ 3-4 BPM until dead.
- 9 Release Packer and RBP. POOH laying down workstring, packer, and RBP.
- 9 Run tubing as pulled. RU swab equipment and swab well until returns are clean of sand. GIH tag fill and clean out as necessary.
- 10 Place SN @ ± 5521 and set TAC at ±5486' with 15,000 lbs overpull. ND BOP's. NU wellhead.
- 11 PU and RIH with a 2-1/2" x 1-3/4" x 20' RHAC pump, 6 x 1-1/2" weight rods, 10 x 3/4" guided rods, 20 x 3/4" guided rods, 94x3/4" slickrods, 100 x 7/8" guided rods, Space out with pony rods as necessary.
- 12 PWOP and track results for one month.

# Federal 3-20-9-16

Spud Date: 5-23-07  
 Put on Production: 8-10-07  
 GL: 6063' KB: 6075'

Initial Production: BOPD,  
 MCFD, BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.72')  
 DEPTH LANDED: 316.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts. (5962.76')  
 DEPTH LANDED: 5976.01' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 408'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 174 jts (5474.48')  
 TUBING ANCHOR: 5486.48' KB  
 NO. OF JOINTS: 1 jts (31.43')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5520.71' KB  
 NO. OF JOINTS: 2 jts (62.70')  
 TOTAL STRING LENGTH: EOT @ 5584.96' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-4', 1-6', 1-8' X 3/4" pony rods, 100-3/4" guided rods, 94-3/4" slick rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 12'x16' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

### FRAC JOB

08-07-07 5510-5520' **Frac CP1 sands as follows:**  
 28247# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2334 psi w/avg rate of 24.8 BPM. ISIP 2280 psi. Calc flush: 5508 gal. Actual flush: 5040 gal.

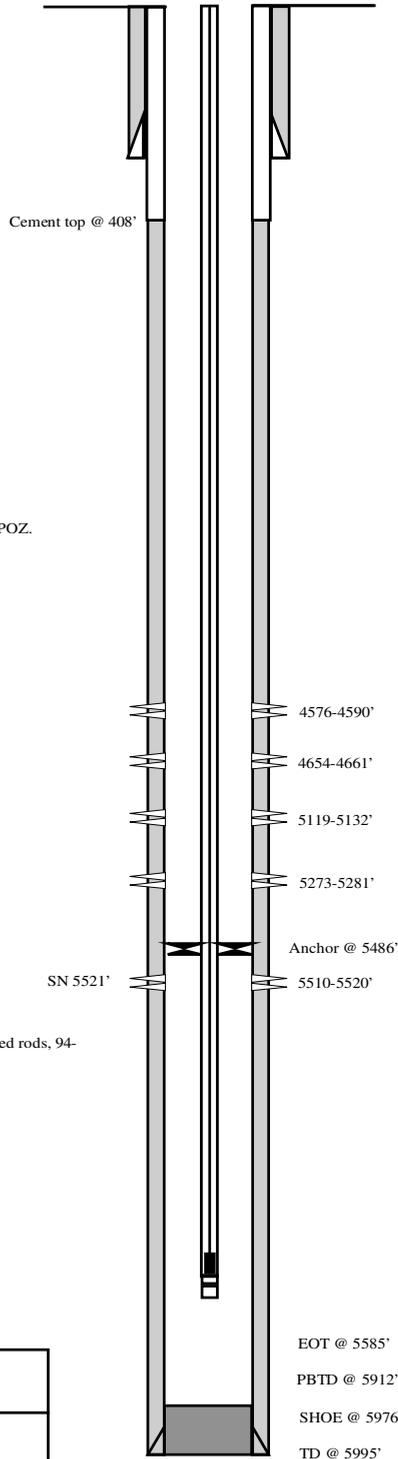
08-07-07 5273-5281' **Frac LODC sands as follows:**  
 14530# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 2660 psi w/avg rate of 24.8 BPM. ISIP 2050 psi. Calc flush: 5271 gal. Actual flush: 4788 gal.

08-07-07 5119-5132' **Frac LODC sands as follows:**  
 45312# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 2162 psi w/avg rate of 26.2 BPM. ISIP 1900 psi. Calc flush: 5117 gal. Actual flush: 4578 gal.

08-07-07 4654-4661' **Frac D2 sand as follows:**  
 25097# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1686 w/ avg rate of 24.8 BPM. ISIP 1760 psi. Calc flush: 4652 gal. Actual flush: 4200 gal.

08-07-07 4576-4590' **Frac D1 sand as follows:**  
 77698# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 1939 w/ avg rate of 24.8 BPM. ISIP 2122 psi. Calc flush: 4574 gal. Actual flush: 4536 gal.

08/16/07 **Pump Change.** Rod & Tubing detail updated.  
 12/30/08 Pump Change. Updated r & t details.  
 8/20/09 Pump Maintenance. Updated rod & tubing detail.



### PERFORATION RECORD

Date	Interval	Tool	Holes
08-01-07	5510-5520'	4 JSPF	40 holes
08-07-07	5273-5281'	4 JSPF	32 holes
08-07-07	5119-5132'	4 JSPF	52 holes
08-07-07	4654-4661'	4 JSPF	28 holes
08-07-07	4576-4590'	4 JSPF	56 holes

**NEWFIELD**

**Federal 3-20-9-16**

785' FNL & 1826' FEL

NE/NW Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33067; Lease # UTU-52018

DF 10/5/09

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-52018

**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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FEDERAL 3-20-9-16

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301333067

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

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 785 FNL 1826 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW, 20, 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"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/11/2010	<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 type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

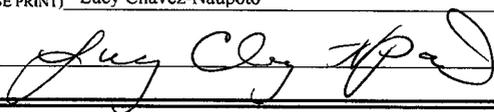
The above subject well was recompleted on 11-11-10 and then placed back on production. The following perforation was added in the Green River Formation:

- B2 4850-4852' 3 JSPF 6 holes
- B2 4844-4846' 3 JSPF 6 holes
- B2 4838-4841' 3 JSPF 9 holes

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 11/17/2010

(This space for State use only)

**RECEIVED**  
NOV 23 2010

DIV. OF OIL, GAS & MINING

**Daily Activity Report****Format For Sundry****FEDERAL 3-20-9-16****9/1/2010 To 1/30/2011****11/8/2010 Day: 1****Recompletion**

Nabors #809 on 11/8/2010 - MIRUSU. TOH w/ rods & Start out w/ tbg. - MIRUSU. Hot oiler had pumped 60 BW down csg @ 250°. RD pumping unit. Unseat rod pump. Flush tbg w/ 40 BW @ 250°. Soft seat rod pump. Fill tbg & pressure test tbg to 3000 psi. TOH w/ rods as detailed. X-over for tbg. ND wellhead. Release TA. NU BOPs. RU rig floor. TOH w/ 120- jts 2 7/8" J-55 6.5# 8rd EUE tbg. SWIFN. - MIRUSU. Hot oiler had pumped 60 BW down csg @ 250°. RD pumping unit. Unseat rod pump. Flush tbg w/ 40 BW @ 250°. Soft seat rod pump. Fill tbg & pressure test tbg to 3000 psi. TOH w/ rods as detailed. X-over for tbg. ND wellhead. Release TA. NU BOPs. RU rig floor. TOH w/ 120- jts 2 7/8" J-55 6.5# 8rd EUE tbg. SWIFN.

**Finalized****Daily Cost: \$0****Cumulative Cost: \$8,945****11/9/2010 Day: 3****Recompletion**

Nabors #809 on 11/9/2010 - Continue PU N-80 frac tbg. Break down B2 sands. RU BJ services & frac B2 sands. Flow well back until dead. - Hot oiler had flushed tbg w/ 70 BW @ 250°. Continue TOH w/ tbg. RU WLT. RIH w/ perf gun & 4 3/4" gauge ring to 5000'. Perforate B2 sands @ 4850-52', 4844-46' & 4838-41. POH w/ WLT. RD Perforators WLT. RU VES WLT. RIH w/ GYRO tool & tag fill @ 5864'. GYRO well. RD VES WLT. Talley & PU RBP, Pkr & 140- jts 2 7/8" N-80 6.5# 8rd EUE tbg. - Check pressure on well, 0 psi. Continue PU N-80 frac tbg. Set RBP @ 4887', PUH & set Pkr @ 4793'. Fill tbg w/ 15 BW & break down B2 sands @ 4450 psi. Establish injection rate of 1400 psi @ 1/4 BPM. MIRU BJ frac crew. Frac B2 sands as detailed. Open for immediate flowback @ approx 3 BPM. Recovered 220 BW. SWIFN. 536 BWTR. - Check pressure on well, 0 psi. Continue PU N-80 frac tbg. Set RBP @ 4887', PUH & set Pkr @ 4793'. Fill tbg w/ 15 BW & break down B2 sands @ 4450 psi. Establish injection rate of 1400 psi @ 1/4 BPM. MIRU BJ frac crew. Frac B2 sands as detailed. Open for immediate flowback @ approx 3 BPM. Recovered 220 BW. SWIFN. 536 BWTR. - Hot oiler had flushed tbg w/ 70 BW @ 250°. Continue TOH w/ tbg. RU WLT. RIH w/ perf gun & 4 3/4" gauge ring to 5000'. Perforate B2 sands @ 4850-52', 4844-46' & 4838-41. POH w/ WLT. RD Perforators WLT. RU VES WLT. RIH w/ GYRO tool & tag fill @ 5864'. GYRO well. RD VES WLT. Talley & PU RBP, Pkr & 140- jts 2 7/8" N-80 6.5# 8rd EUE tbg. - Hot oiler had flushed tbg w/ 70 BW @ 250°. Continue TOH w/ tbg. RU WLT. RIH w/ perf gun & 4 3/4" gauge ring to 5000'. Perforate B2 sands @ 4850-52', 4844-46' & 4838-41. POH w/ WLT. RD Perforators WLT. RU VES WLT. RIH w/ GYRO tool & tag fill @ 5864'. GYRO well. RD VES WLT. Talley & PU RBP, Pkr & 140- jts 2 7/8" N-80 6.5# 8rd EUE tbg. - Check pressure on well, 0 psi. Continue PU N-80 frac tbg. Set RBP @ 4887', PUH & set Pkr @ 4793'. Fill tbg w/ 15 BW & break down B2 sands @ 4450 psi. Establish injection rate of 1400 psi @ 1/4 BPM. MIRU BJ frac crew. Frac B2 sands as detailed. Open for immediate flowback @ approx 3 BPM. Recovered 220 BW. SWIFN. 536 BWTR. - Check pressure on well, 0 psi. Continue PU N-80 frac tbg. Set RBP @ 4887', PUH & set Pkr @ 4793'. Fill tbg w/ 15 BW & break down B2 sands @ 4450 psi. Establish injection rate of 1400 psi @ 1/4 BPM. MIRU BJ frac crew. Frac B2 sands as detailed. Open for immediate flowback @ approx 3 BPM. Recovered 220 BW. SWIFN. 536 BWTR.

**Daily Cost: \$0**

**Cumulative Cost:** \$55,872

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**11/11/2010 Day: 4**

**Recompletion**

Nabors #809 on 11/11/2010 - Continue TIH w/ tbg & run rods - Thaw frac valve & csg valves. Pump 80 BW down csg & pressure to 300psi. Release pkr & circulate well clean. RD frac valve. TIH w/ 2- jts tbg to ensure perfs are clear. POH w/ 6- jts tbg. RU swab equipment. Made 13 swab runs w/ SFL @ 300' & EFL @ 3000'. Recovered 125 bbls. RD swab equipment. TIH w/ tbg & tag fill @ 4857'. Clean out to RBP @ 4887'. Latch onto & release RBP. LD N-80 frac tbg, pkr & RBP. TIH w/ 153- jts tbg. 463 BWTR. - Thaw frac valve & csg valves. Pump 80 BW down csg & pressure to 300psi. Release pkr & circulate well clean. RD frac valve. TIH w/ 2- jts tbg to ensure perfs are clear. POH w/ 6- jts tbg. RU swab equipment. Made 13 swab runs w/ SFL @ 300' & EFL @ 3000'. Recovered 125 bbls. RD swab equipment. TIH w/ tbg & tag fill @ 4857'. Clean out to RBP @ 4887'. Latch onto & release RBP. LD N-80 frac tbg, pkr & RBP. TIH w/ 153- jts tbg. 463 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$65,854

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**11/12/2010 Day: 5**

**Recompletion**

Nabors #809 on 11/12/2010 - Continue TIH w/ tbg & run rods. - Check pressure on well, 0 psi. Continue TIH w/ tbg. RD rig floor. ND BOPs. Set TA @ 5484' w/ 18,000#s tension. NU wellhead. X-over for rods. Flush tbg w/ 60 BW @ 250°. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 17' X 20' RHAC rod pump. TIH w/ rods as detailed. RU pumping unit. Fill tbg w/ 6 BW & stroke test pump w/ unit to 800 psi. PWOP @ 1:00 PM w/ 86" SL & 4 SPM. 469 BWTR. - Check pressure on well, 0 psi. Continue TIH w/ tbg. RD rig floor. ND BOPs. Set TA @ 5484' w/ 18,000#s tension. NU wellhead. X-over for rods. Flush tbg w/ 60 BW @ 250°. PU & prime Central Hydraulic 2 1/2" X 1 3/4" X 17' X 20' RHAC rod pump. TIH w/ rods as detailed. RU pumping unit. Fill tbg w/ 6 BW & stroke test pump w/ unit to 800 psi. PWOP @ 1:00 PM w/ 86" SL & 4 SPM. 469 BWTR. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$78,437

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**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-20-9-16
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013330670000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0785 FNL 1826 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 20 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> 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: 8/17/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 08/15/2012. On 08/15/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test.

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

Date: August 28, 2012

By:

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/20/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 8/17/12 Time 9:00 AM am pm  
Test Conducted by: Kody Olson  
Others Present: \_\_\_\_\_

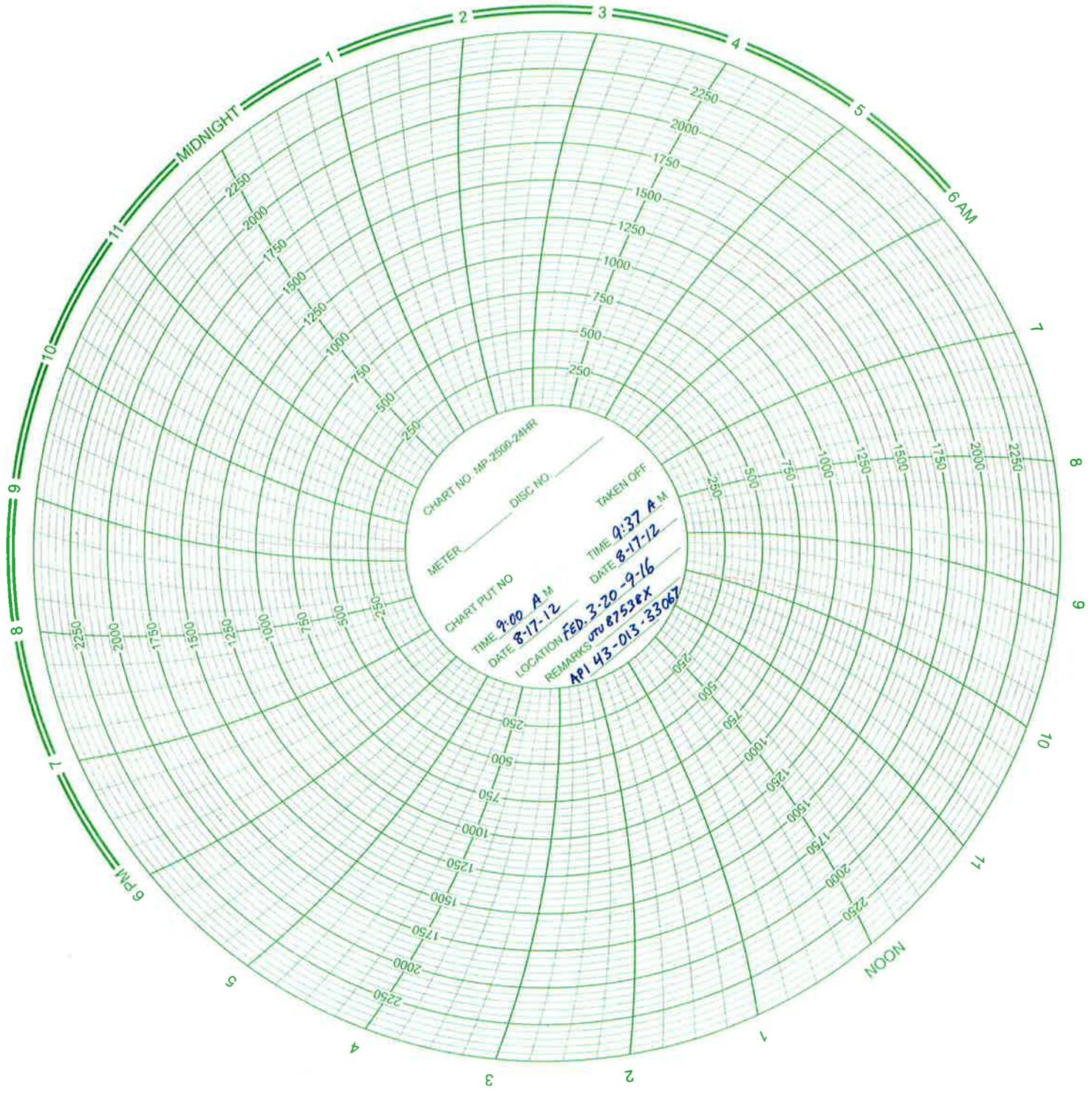
Well: <u>FEDERAL 3-20-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/NW SEC. 20, T9S, R16E</u> <u>DUCHESENE COUNTY, UT</u>	API No: <u>43-013-33067</u> <u>UTU 87538X</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1400</u>	psig
25	<u>1400</u>	psig
30 min	<u>1400</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 480 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_  
Signature of Person Conducting Test: [Signature]



## Daily Activity Report

Format For Sundry  
**FEDERAL 3-20-9-16**  
**6/1/2012 To 10/30/2012**

**8/13/2012 Day: 1**

**Conversion**

NC #3 on 8/13/2012 - MIRU NC#3, R/D Unit, Soft Seat Tst To 3500(Good Tst). L/D Rod String - 12:00PM, 1 Mile Rig Move, MIRU NC#3, R/D Unit, R/U Hot Oiler, Pmp 30BW Down Csg, Flush Tbg W/ 40BW @ 250\*, Soft Seat Pmp & Psr Tst Tbg To 3500psi, Tst Good, R/U Rod Eqp & L/D Rod, L/D Polish Rod, 2', 4', & 8' 3/4 Ponys, 99 3/4 4 Pers, 94 3/4 Slicks, 20 3/4 4 Pers, & 6 Wt Bars W/ 5 Stabilizers Between, Flush W/ 20BW To Clean Rods, SWI, 6:30PM CSDFN, 6:30PM-7:00PM C/Tvl - 12:00PM, 1 Mile Rig Move, MIRU NC#3, R/D Unit, R/U Hot Oiler, Pmp 30BW Down Csg, Flush Tbg W/ 40BW @ 250\*, Soft Seat Pmp & Psr Tst Tbg To 3500psi, Tst Good, R/U Rod Eqp & L/D Rod, L/D Polish Rod, 2', 4', & 8' 3/4 Ponys, 99 3/4 4 Pers, 94 3/4 Slicks, 20 3/4 4 Pers, & 6 Wt Bars W/ 5 Stabilizers Between, Flush W/ 20BW To Clean Rods, SWI, 6:30PM CSDFN, 6:30PM-7:00PM C/Tvl - 12:00PM, 1 Mile Rig Move, MIRU NC#3, R/D Unit, R/U Hot Oiler, Pmp 30BW Down Csg, Flush Tbg W/ 40BW @ 250\*, Soft Seat Pmp & Psr Tst Tbg To 3500psi, Tst Good, R/U Rod Eqp & L/D Rod, L/D Polish Rod, 2', 4', & 8' 3/4 Ponys, 99 3/4 4 Pers, 94 3/4 Slicks, 20 3/4 4 Pers, & 6 Wt Bars W/ 5 Stabilizers Between, Flush W/ 20BW To Clean Rods, SWI, 6:30PM CSDFN, 6:30PM-7:00PM C/Tvl **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$4,875

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**8/14/2012 Day: 2**

**Conversion**

NC #3 on 8/14/2012 - RU tbg eq., TOH w/ tbg. - X-over to tbg eq. Unset TA. RU rig floor. Flush tbg w/ 20 bbls water @ 250. TOH w/ 144- jts tbg, breaking collars & applying liquid teflon dope. Flush tbg w/ 20bbls water @ 250. Cont. to TOH w/ tbg, breaking collars & applying liquid teflon dope. Pump down csg w/ 20 bbls water @ 250 to clean outside of pipe. LD 33- jts 2 7/8 tbg. PU TIH w/ guide collar, xn nipple, 4' 2/38 tbg sub, xo, pkr, on/off sn, 144- jts 2 7/8 tbg. Drop STD. Fill tbg w/ 30 bbls water. Pressure test tbg to 3000 psi. Pressure dropped 50 psi in an hour. Leave pressure on tbg over night. SDFD. - X-over to tbg eq. Unset TA. RU rig floor. Flush tbg w/ 20 bbls water @ 250. TOH w/ 144- jts tbg, breaking collars & applying liquid teflon dope. Flush tbg w/ 20bbls water @ 250. Cont. to TOH w/ tbg, breaking collars & applying liquid teflon dope. Pump down csg w/ 20 bbls water @ 250 to clean outside of pipe. LD 33- jts 2 7/8 tbg. PU TIH w/ guide collar, xn nipple, 4' 2/38 tbg sub, xo, pkr, on/off sn, 144- jts 2 7/8 tbg. Drop STD. Fill tbg w/ 30 bbls water. Pressure test tbg to 3000 psi. Pressure dropped 50 psi in an hour. Leave pressure on tbg over night. SDFD. - X-over to tbg eq. Unset TA. RU rig floor. Flush tbg w/ 20 bbls water @ 250. TOH w/ 144- jts tbg, breaking collars & applying liquid teflon dope. Flush tbg w/ 20bbls water @ 250. Cont. to TOH w/ tbg, breaking collars & applying liquid teflon dope. Pump down csg w/ 20 bbls water @ 250 to clean outside of pipe. LD 33- jts 2 7/8 tbg. PU TIH w/ guide collar, xn nipple, 4' 2/38 tbg sub, xo, pkr, on/off sn, 144- jts 2 7/8 tbg. Drop STD. Fill tbg w/ 30 bbls water. Pressure test tbg to 3000 psi. Pressure dropped 50 psi in an hour. Leave pressure on tbg over night. SDFD.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$105,863

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**8/15/2012 Day: 3**

**Conversion**

NC #3 on 8/15/2012 - RD rig floor, pressure test csg. - Pressure dropped to 2700 psi. Pumped tbg up to 3000 psi. Test held for 1 hour. RIH w/ sandline & retrieved STD. RD rig

floor. ND bops. Set pkr w/ 1800 tension, CE @ 4547.8'. Fill csg w/ 45 bbls water w/ pkr fluid. Pressured csg to 1500 psi. Pressure dropped 100 psi in an hour. Pumped up csg to 1500 psi. Test held for 1 hour. X-over to rod eq. RDMOSU. READY FOR MIT!! - Pressure dropped to 2700 psi. Pumped tbg up to 3000 psi. Test held for 1 hour. RIH w/ sandline & retrieved STD. RD rig floor. ND bops. Set pkr w/ 1800 tension, CE @ 4547.8'. Fill csg w/ 45 bbls water w/ pkr fluid. Pressured csg to 1500 psi. Pressure dropped 100 psi in an hour. Pumped up csg to 1500 psi. Test held for 1 hour. X-over to rod eq. RDMOSU. READY FOR MIT!! - Pressure dropped to 2700 psi. Pumped tbg up to 3000 psi. Test held for 1 hour. RIH w/ sandline & retrieved STD. RD rig floor. ND bops. Set pkr w/ 1800 tension, CE @ 4547.8'. Fill csg w/ 45 bbls water w/ pkr fluid. Pressured csg to 1500 psi. Pressure dropped 100 psi in an hour. Pumped up csg to 1500 psi. Test held for 1 hour. X-over to rod eq. RDMOSU. READY FOR MIT!! **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$109,896

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**8/20/2012 Day: 4**

**Conversion**

Rigless on 8/20/2012 - Conduct initial MIT - On 08/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test. - On 08/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test. - On 08/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$141,166

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)	<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-20-9-16
<b>1. TYPE OF WELL</b> Water Injection Well	<b>9. API NUMBER:</b> 43013330670000
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0785 FNL 1826 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 20 Township: 09.0S Range: 16.0E Meridian: S	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2012	<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 type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input 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="Put on Injection"/>

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

The above reference well was put on injection at 9:20 AM on 09/05/2012.

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

**Date:** September 13, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/5/2012	



April 30, 2012

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

RE: Permit Application for Water Injection Well  
Federal #3-20-9-16  
Monument Butte Field, Lease #UTU-52018  
Section 20-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #3-20-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", written over a long horizontal line.

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**MAY 01 2012**

**DIV OF OIL, GAS, & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #3-20-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-52018**  
**APRIL 30, 2012**

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# Federal 3-20-9-16

Spud Date: 5-23-07  
 Put on Production: 8-10-07  
 GL: 6063' KB: 6075'

Initial Production: BOPD,  
 MCFD, BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

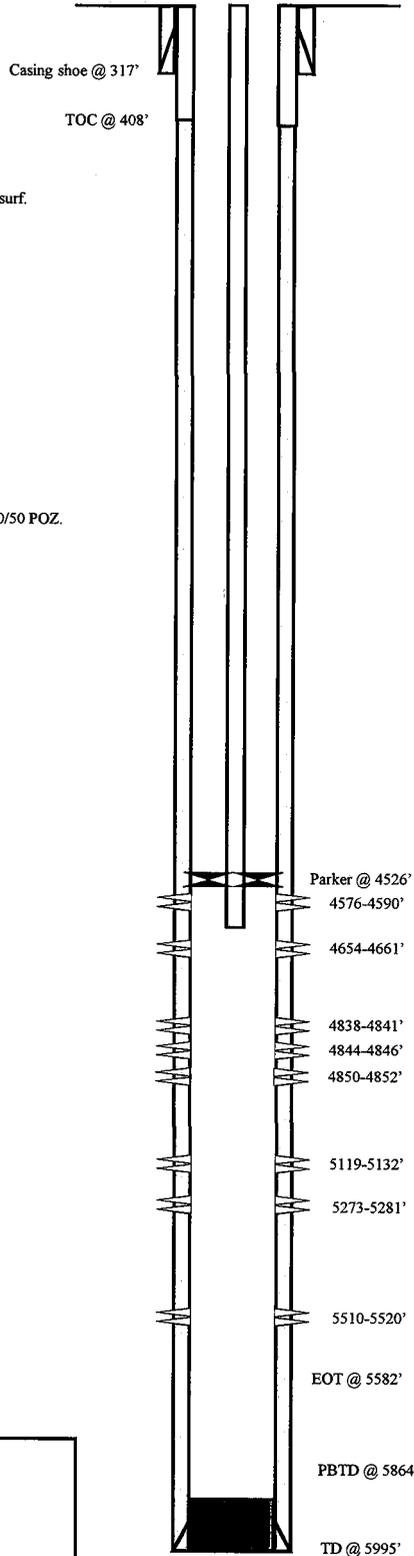
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.72')  
 DEPTH LANDED: 316.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts (5962.76')  
 DEPTH LANDED: 5976.01' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 408'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 174 jts (5472')  
 TUBING ANCHOR: 5484' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5518.2' KB  
 NO. OF JOINTS: 2 jts (62.70')  
 TOTAL STRING LENGTH: EOT @ 5582' KB



### FRAC JOB

08-07-07	5510-5520'	<b>Frac CP1 sands as follows:</b> 28247# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2334 psi w/avg rate of 24.8 BPM. ISIP 2280 psi. Calc flush: 5508 gal. Actual flush: 5040 gal.
08-07-07	5273-5281'	<b>Frac LODC sands as follows:</b> 14530# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 2660 psi w/avg rate of 24.8 BPM. ISIP 2050 psi. Calc flush: 5271 gal. Actual flush: 4788 gal.
08-07-07	5119-5132'	<b>Frac LODC sands as follows:</b> 45312# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 2162 psi w/avg rate of 26.2 BPM. ISIP 1900 psi. Calc flush: 5117 gal. Actual flush: 4578 gal.
08-07-07	4654-4661'	<b>Frac D2 sand as follows:</b> 25097# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1686 w/ avg rate of 24.8 BPM. ISIP 1760 psi. Calc flush: 4652 gal. Actual flush: 4200 gal.
08-07-07	4576-4590'	<b>Frac D1 sand as follows:</b> 77698# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 1939 w/ avg rate of 24.8 BPM. ISIP 2122 psi. Calc flush: 4574 gal. Actual flush: 4536 gal.
08/16/07		<b>Pump Change.</b> Rod & Tubing detail updated.
12/30/08		<b>Pump Change.</b> Updated r & t details.
8/20/09		<b>Pump Maintenance.</b> Updated rod & tubing detail.
11-09-10	4838-4852'	<b>Frac B2 sands as follows:</b> 48449# 20/40 sand in 430 bbls Lightning 17 fluid.
11-11-10		<b>Re-Completion</b> -- updated details

### PERFORATION RECORD

08-01-07	5510-5520'	4 JSPF	40 holes
08-07-07	5273-5281'	4 JSPF	32 holes
08-07-07	5119-5132'	4 JSPF	52 holes
08-07-07	4654-4661'	4 JSPF	28 holes
08-07-07	4576-4590'	4 JSPF	56 holes
11-09-10	4850-4852'	3 JSPF	6 holes
11-09-10	4844-4846'	3 JSPF	6 holes
11-09-10	4838-4841'	3 JSPF	9 holes



**Federal 3-20-9-16**  
 785' FNL & 1826' FWL  
 NE/NW Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33067; Lease # UTU-52018

## 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 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

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

See Attachment A.

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

Approval is requested to convert the Federal #3-20-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

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

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

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

The injection zone is in the Green River Formation. For the Federal #3-20-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3895' - 5864'). 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 3574' and the TD is at 5995'.

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

The referenced log for the Federal #3-20-9-16 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-52018) 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 317' KB, and 5-1/2", 15.5# casing run from surface to 5976' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

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

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1730 psig.

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

The minimum fracture gradient for the Federal #3-20-9-16, for existing perforations (4576' - 5520') calculates at 0.81 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 1730 psig. We may add additional perforations between 3574' and 5995'. See Attachments G and G-1.

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

In the Federal #3-20-9-16, the proposed injection zone (3895' - 5864') 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.

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

See Attachments E through E-10.

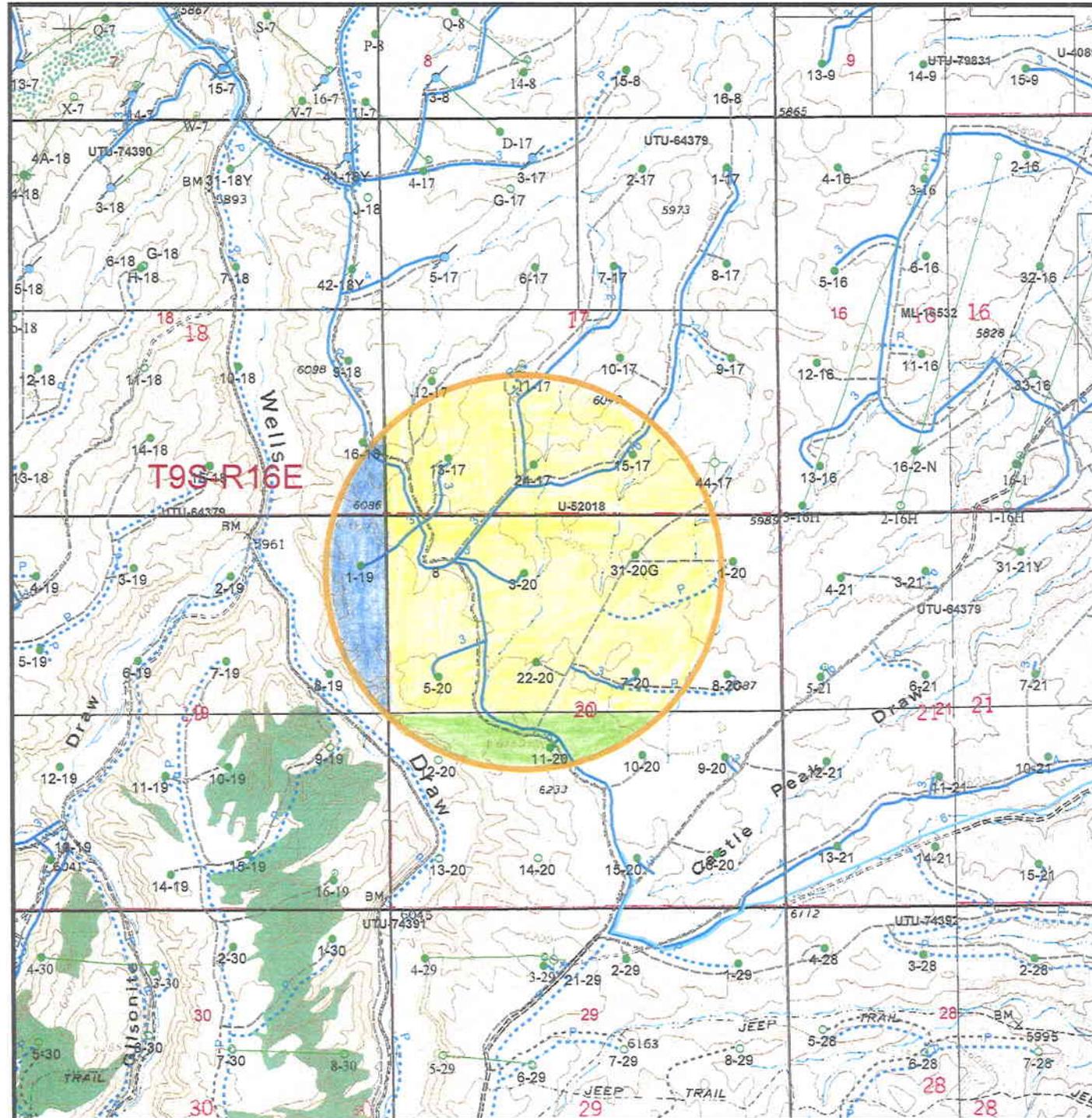
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



**WellStatus\_HalfMile\_Buffer**

**Well Status**

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

**Injection system**

- high pressure
- low pressure
- - - - proposed
- return
- - - - return proposed
- Leases
- Mining tracts

■ U-52018  
■ U-64379  
■ U-74391

Federal 3-20  
Section 20, T9S-R16E

**NEWFIELD**

**ROCKY MOUNTAINS** 1" = 2000'

**1/2 Mile Radius Map**  
Duchesne & Uintah Counties

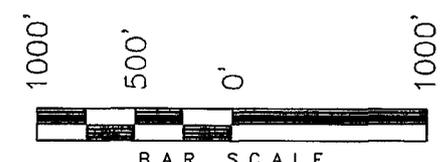
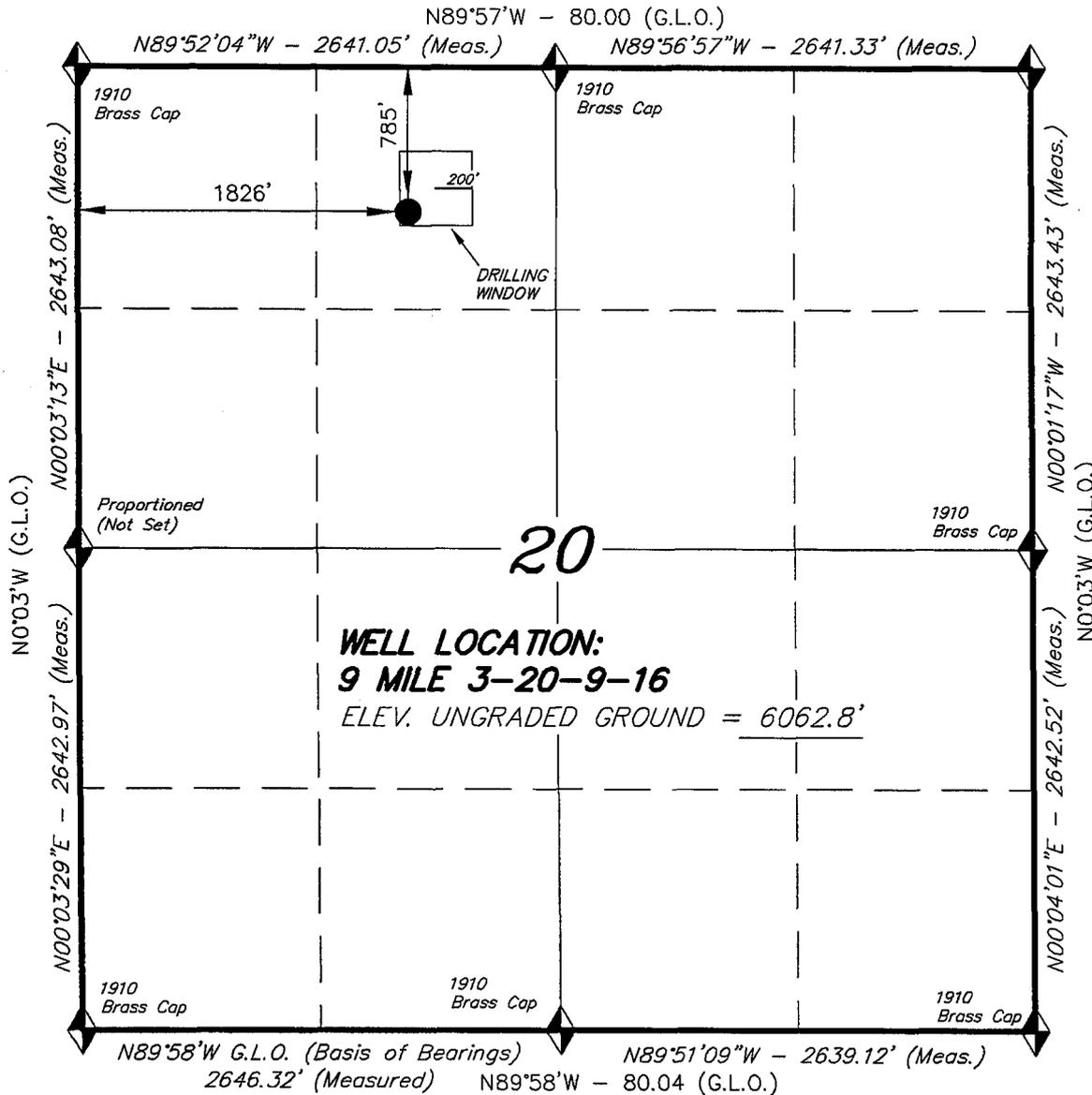
1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

January 25, 2012

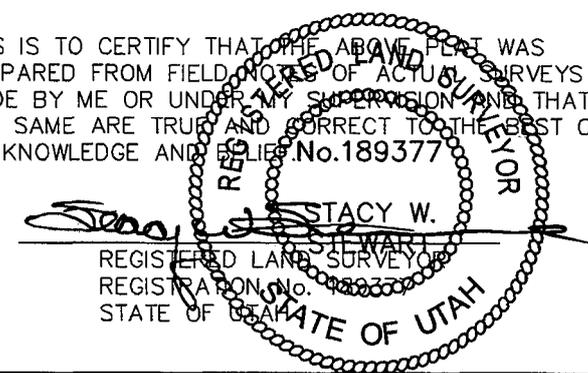
## T9S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 3-20-9-16,  
 LOCATED AS SHOWN IN THE NE 1/4 NW  
 1/4 OF SECTION 20, T9S, R16E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

**9 MILE 3-20-9-16**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 01' 17.35"  
 LONGITUDE = 110° 08' 46.01"

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

DATE SURVEYED: 12-31-05	SURVEYED BY: C.M.
DATE DRAWN: 01-04-06	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'

**EXHIBIT B**

<b>#</b>	<b>Legal Description</b>	<b>Lessor &amp; Expiration</b>	<b>Lessee &amp; Operating Rights</b>	<b>Surface Owner</b>
1	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
2	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
3	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3,4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Corp Yates Petroleum Corp	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #3-20-9-16

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

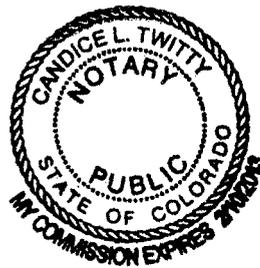
Signed:

  
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 30<sup>th</sup> day of April, 2012.

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

My Commission Expires: 02/10/2013



## Federal 3-20-9-16

Spud Date: 5-23-07  
 Put on Production: 8-10-07  
 GL: 6063' KB: 6075'

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.72')  
 DEPTH LANDED: 316.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts (5962.76')  
 DEPTH LANDED: 5976.01' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 408'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 174 jts (5472')  
 TUBING ANCHOR: 5484' KB  
 NO. OF JOINTS: 1 jts (31.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5518.2' KB  
 NO. OF JOINTS: 2 jts (62.70')  
 TOTAL STRING LENGTH: EOT @ 5582' KB

#### SUCKER RODS

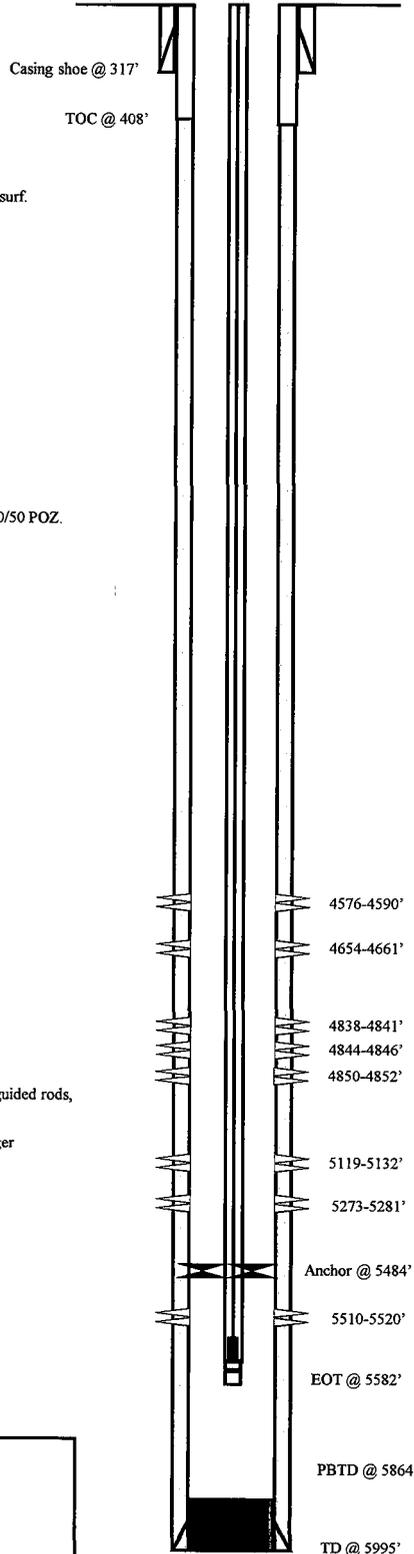
POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-4', 1-6', 1-8' X 3/4" pony rods, 99- 3/4" guided rods, 94- 3/4" sucker rods, 21- 3/4" guided rods, 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-3/4" x 17" x 20' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

#### FRAC JOB

08-07-07	5510-5520'	<b>Frac CP1 sands as follows:</b> 28247# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2334 psi w/avg rate of 24.8 BPM. ISIP 2280 psi. Calc flush: 5508 gal. Actual flush: 5040 gal.
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08/16/07		<b>Pump Change.</b> Rod & Tubing detail updated.
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11-11-10		<b>Re-Completion</b> - updated details

#### PERFORATION RECORD

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**Federal 3-20-9-16**  
 785' FNL & 1826' FWL  
 NE/NW Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33067; Lease # UTU-52018

## FEDERAL 5-20-9-16

Spud Date: 06/12/07  
Put on Production: 08/09/07

GL: 6032' KB: 6044'

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (312.03')  
DEPTH LANDED: 323.88' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5926.74')  
DEPTH LANDED: 5939.99' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 349 sxs Prem. Lite II mixed & 426 sxs 50/50 POZ.

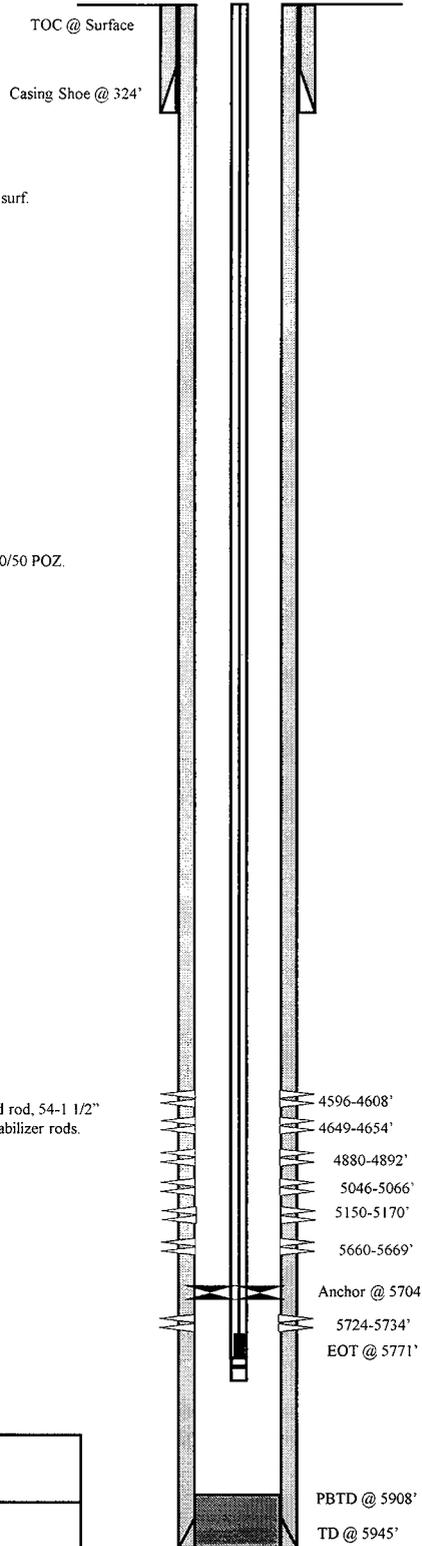
### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 181 jts (5692')  
TUBING ANCHOR: 5704' KB  
NO. OF JOINTS: 1 jts (31.3')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5738' KB  
NO. OF JOINTS: 1 jts (31.51')  
TOTAL STRING LENGTH: EOT @ 5771' W/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1-4", 8" x 3/4" pony rods, 167-3/4" guided rod, 54-1 1/2" sucker rods, 6-1 1/2" sinker bars, 5-1" x 3" Pony Rod, 1-1" Stabilizer rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/4" x 14' X 16' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED: 4 SPM:

### Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

### FRAC JOB

07/31/07	5660-5734'	<b>Frac CP4 &amp; CP3 sands as follows:</b> 49687# 20/40 sand in 482 bbls Lightning 17 frac fluid. Treated @ avg press of 2062 psi w/avg rate of 24.8 BPM. ISIP 2275 psi. Calc flush: 5658 gal. Actual flush: 5371 gal.
08/06/07	5150-5170'	<b>Frac LODC sands as follows:</b> 59976# 20/40 sand in 541 bbls Lightning 17 frac fluid. Treated @ avg press of 1952 psi w/avg rate of 24.8 BPM. ISIP 2110 psi. Calc flush: 5148 gal. Actual flush: 4641 gal.
08/06/07	5046-5066'	<b>Frac A3 sands as follows:</b> 70150# 20/40 sand in 582 bbls Lightning 17 frac fluid. Treated @ avg press of 2225 psi w/avg rate of 24.8 BPM. ISIP 2340 psi. Calc flush: 5044 gal. Actual flush: 4536 gal.
08/06/07	4880-4892'	<b>Frac B2 sands as follows:</b> 29054# 20/40 sand in 470 bbls Lightning 17 frac fluid. Treated @ avg press of 2463 psi w/avg rate of 24.8 BPM. ISIP 2290 psi. Calc flush: 4878 gal. Actual flush: 4536 gal.
08/06/07	4596-4654'	<b>Frac D1 &amp; D2 sands as follows:</b> 27540# 20/40 sand in 372 bbls Lightning 17 frac fluid. Treated @ avg press of 1664 psi w/avg rate of 24.8 BPM. ISIP 1700 psi. Calc flush: 4594 gal. Actual flush: 4507 gal.
06-16-08		Workover. Rod & Tubing detail updated.
3/11/09		Stuck Pump. Updated r & t details.
11/21/09		Tubing Leak. Tubing & Rod updated.
6/8/2010		Tubing Leak. Update rod and tubing details
2/14/2011		Tubing Leak. Update rod and tubing details
07/15/11		Tubing Leak. Rods & tubing updated.

### PERFORATION RECORD

07/31/07	5724-5734'	4 JSPF	40 holes
08/06/07	5660-5669'	4 JSPF	36 holes
08/06/07	5150-5170'	4 JSPF	80 holes
08/06/07	5046-5066'	4 JSPF	80 holes
08/06/07	4880-4892'	4 JSPF	48 holes
08/06/07	4649-4654'	4 JSPF	20 holes
08/06/07	4596-4608'	4 JSPF	48 holes

**NEWFIELD**

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**FEDERAL 5-20-9-16**  
2178' FNL & 673' FWL  
SW/NW Section 20-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33104; Lease # UTU-52018

Federal 7-20-9-16

Spud Date: 6-6-07  
 Put on Production: 8-12-05  
 GL: 6078' KB: 6090'

Injection Wellbore  
 Diagram

SURFACE CASING

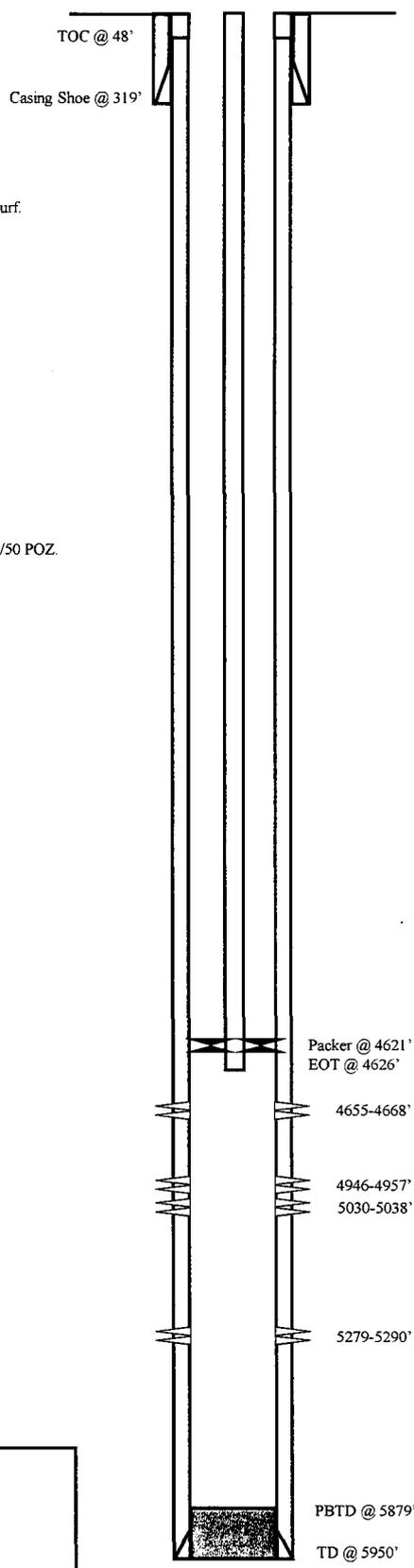
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (306.9')  
 DEPTH LANDED: 318.75' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 1343 jts. (5918.61')  
 DEPTH LANDED: 5931.86' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 48'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 146 jts (4605')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4617' KB  
 ARROW #1 PKR CE @ 4621.42'  
 TOTAL STRING LENGTH: EOT @ 4626'



FRAC JOB

7-9-07 5279-5290' **Frac LODC, sands as follows:**  
 29,554# 20/40 sand in 370 bbls Lightning 17 frac fluid. Treated @ avg press of 1987 psi w/avg rate of 24.7 BPM. ISIP 2284 psi. Calc flush: 5277 gal. Actual flush: 4746 gal.

7-9-07 5030-5038' **Frac LODC sands as follows:**  
 24,274# 20/40 sand in 368 bbls Lightning 17 frac fluid. Treated @ avg press of 2044 psi w/avg rate of 24.7 BPM. ISIP 2143 psi. Calc flush: 5028 gal. Actual flush: 4557 gal.

7-9-07 4946-4957' **Frac A3 sands as follows:**  
 40,017# 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 1862 psi w/avg rate of 24.7 BPM. ISIP 2238 psi. Calc flush: 4944 gal. Actual flush: 4389 gal.

7-9-07 4655-4668' **Frac D3 sands as follows:**  
 48,763# 20/40 sand in 450 bbls Lightning 17 frac fluid. 24.8 BPM. Calc flush: 4653 gal. Actual flush: 4578 gal.

6/9/09 **Stuck Pump.** Updated rod & tubing details.

5/26/11 **Pump Change.** Updated rod and tubing detail.

01/30/12 **Parted rods.** Updated rod and tubing detail

3/12/12 **Pump change:** Updated rod & tubing detail

5/9/12 **Convert to Injection Well**

5/11/12 **Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

7-3-07	5279-5290'	4 JSPF	44 holes
7-9-07	5030-5038'	4 JSPF	32 holes
7-9-07	4946-4957'	4 JSPF	44 holes
7-9-07	4655-4668'	4 JSPF	52 holes

**NEWFIELD**

**Federal 7-20-9-16**

2098' FNL & 1961' FEL

SW/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33106; Lease #UTU-52018

## Federal 11-20-9-16

Spud Date: 11/29/05  
 Put on Production: 11/17/06  
 K.B.: 6154, G.L.: 6142

Initial Production: BOPD,  
 MCFD, BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (262.90')  
 DEPTH LANDED: 323.15' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est. 5 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (6010.04')  
 DEPTH LANDED: 6023.29' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 165 jts (5193.4')  
 TUBING SWIVEL: 1.8' (5205.4')  
 NO. OF JOINTS: 1 jt 31.7'  
 TUBING ANCHOR: 5238.9' KB  
 NO. OF JOINTS: 1 jts (31.8')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5273.5' KB  
 NO. OF JOINTS: 2 jts (63.1')  
 TOTAL STRING LENGTH: EOT @ 5339' KB

#### SUCKER RODS

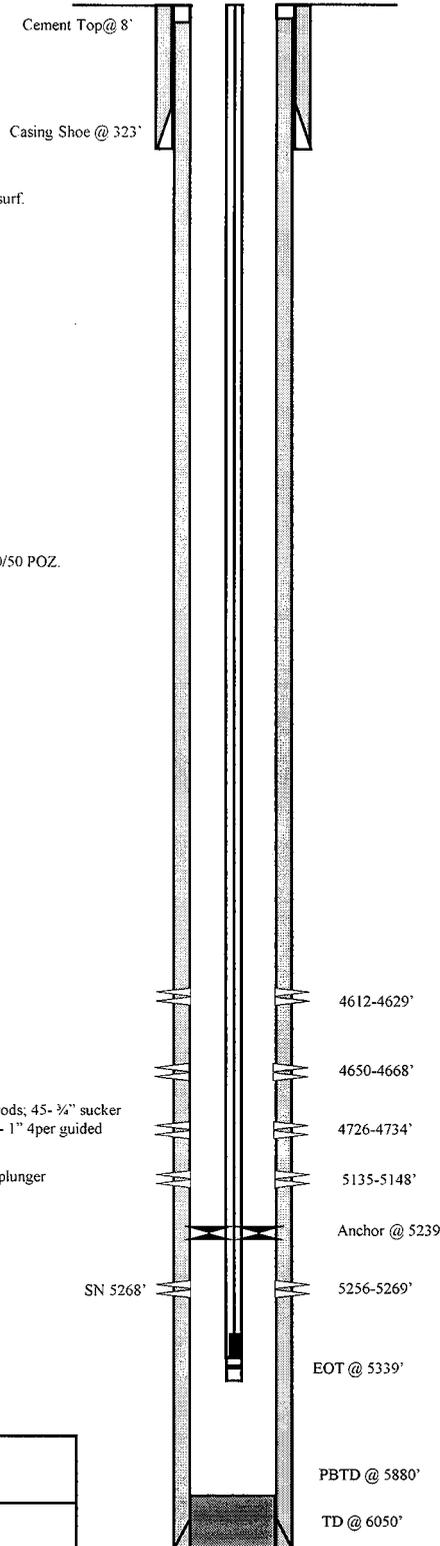
POLISHED ROD: 1-1/2" x 26' SM  
 SUCKER RODS: 1-2" x 3/4" pony rods, 93- 3/4" 4per guided rods; 45- 3/4" sucker rods; 41- 3/4" 4 per guided rods; 20-3/4" 8per guided rods, 10- 1" 4per guided rods.  
 PUMP SIZE: 2-1/2" x 1-1/4" x 6' x 15' x 19' RHAC w/SM plunger  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 5

#### FRAC JOB

11/13/06	5256-5269'	<b>Frac LODC sands as follows:</b> 78169# 20/40 sand in 622 bbls Lightning 17 frac fluid. Treated @ avg press of 2527 psi w/avg rate of 25.4 BPM. ISIP 2720 psi. Calc flush: 5267 gal. Actual flush: 4746 gal.
11/13/06	5135-5148'	<b>Frac LODC sands as follows:</b> 101332# 20/40 sand in 784 bbls Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.2 BPM. ISIP 1800 psi. Calc flush: 5146 gal. Actual flush: 4620 gal.
11/13/06	4612-4629'	<b>Frac C, D3 sands as follows:</b> 184392# 20/40 sand in 1225 bbls Lightning 17 frac fluid. Treated @ avg press of 1436 psi w/avg rate of 24.3BPM. 1640 psi. Calc flush: 4627 gal. Actual flush: 4494 gal. Pump Change. Update rod and tubing details.
11/27/06		Major Workover
05/14/08	4612-4629'	<b>Acidize D2 sands:</b> Pump 16.6 bbls techni-hib 767, W/ 10.1 bbls acid.. ISIP @ 950 psi.
05/14/08	4650-4668'	<b>Acidize D3 sands:</b> Pump 16 bbls techni-hib 767, W/ 10.7 bbls acid.. ISIP @ 675 psi.
1/9/09		Tubing Leak. Updated rod & tubing details.
2/2/2010		Tubing leak. Updated rod and tubing details.
11/20/2010		Tubing leak. Updated rod and tubing detail.
3/20/2012		Tubing leak: Updated rod and tubing detail.

#### PERFORATION RECORD

11/06/06	5256-5269'	4 JSPF	52 holes
11/13/06	5135-5148'	4 JSPF	52 holes
11/13/06	4726-4734'	4 JSPF	32 holes
11/13/06	4650-4668'	4 JSPF	72 holes
11/13/06	4612-4629'	4 JSPF	68 holes



**NEWFIELD**

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**Federal 11-20-9-16**  
 2143' FSL & 2155' FWL  
 NE/SW Section 20-T9S-R15E  
 Duchesne Co, Utah  
 API #43-013-32598; Lease #UTU-74391

## Federal 11-17-9-16

Spud Date: 08/21/06  
 Put on Production: 09/28/06  
 K.B.: 6013, G.L.: 6001

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.79')  
 DEPTH LANDED: 322.64' 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: 140 jts. (6008.45')  
 DEPTH LANDED: 6021.70' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 80'

#### TUBING

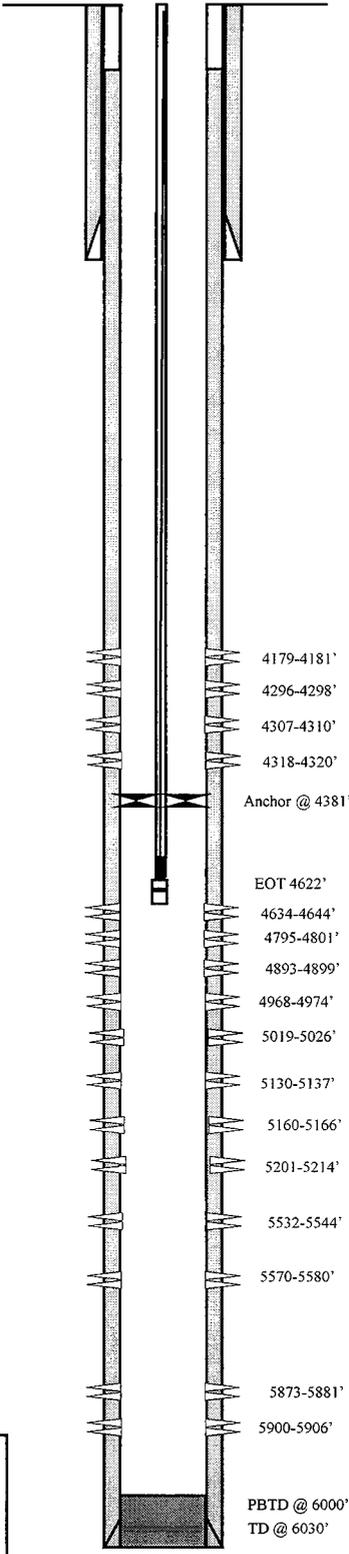
SIZE/GRADE/WT.: 2-7/8" / J-55  
 NO. OF JOINTS: 138 jts (4369')  
 TUBING ANCHOR: 4381'  
 NO. OF JOINTS: 1 jts (31.3')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4415'  
 NO. OF JOINTS: 1 jts (31.7')  
 GAS ANCHOR: 4448'  
 2 7/8" NIPPLE: 4463'  
 NO. OF JOINTS: 5 jts (158.7')  
 TOTAL STRING LENGTH: EOT @ 4622'

#### SUCKER RODS

POLISHED ROD: 1 1/2" x 26'  
 SUCKER RODS: 1-2", 1-8", x 3/4" pony rods, 75-7/8" 4 per guided rods, 93-3/4" 4 per guided rods, 6-1 1/2" sinker rods.  
 PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20" RTBC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5

#### FRAC JOB

09/19/06	5873-5906'	<b>Frac CP5 sands as follows:</b> 30146# 20/40 sand in 375 bbls Lightning 17 frac fluid. Treated @ avg press of 2325 psi w/avg rate of 25.3 BPM. ISIP 2450 psi. Calc flush: 5904 gal. Actual flush: 5376 gal.
09/19/06	5532-5580'	<b>Frac CP1, CP.5 sands as follows:</b> 55661# 20/40 sand in 468 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25.3 BPM. ISIP 1975 psi. Calc flush: 5578 gal. Actual flush: 5040 gal.
09/19/06	5130-5214'	<b>Frac LODC sands as follows:</b> 90266# 20/40 sand in 656 bbls Lightning 17 frac fluid. Treated @ avg press of 2135 psi w/avg rate of 25.2 BPM. ISIP 2375 psi. Calc flush: 5212 gal. Actual flush: 4662 gal.
09/20/06	4893-5026'	<b>Frac A1, A.5, B2 sands as follows:</b> 60197# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1950 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5024 gal. Actual flush: 4410 gal.
09/20/06	4761-4801'	<b>Frac B.5, C sands as follows:</b> 50215# 20/40 sand in 423 bbls Lightning 17 frac fluid. Treated @ avg press of 2225 psi w/avg rate of 28.2 BPM. ISIP 2475 psi. Calc flush: 4799 gal. Actual flush: 4284 gal.
09/20/06	4634-4644'	<b>Frac D1 sands as follows:</b> 28453# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2311 psi w/avg rate of 14.4 BPM. ISIP 2900 psi. Calc flush: 4642 gal. Actual flush: 4436 gal.
7/25/07		<b>Pump change.</b> Updated rod & tubing details.
10/09/08		<b>Pump Change.</b> Rod & tubing updated.
10/8/09		<b>Tubing Leak.</b> Updated rod & tubing details.
12/6/10	4179-4320'	<b>Frac PB8 &amp; GB6 sands as follows:</b> 68964# 20/40 sand in 426 bbls Lightning 17 fluid.
12/11/10		<b>Re-Completion finalized</b> – update rod & tbg detail.
1/12/2011		<b>Tubing Leak.</b> Update rod and tubing details
03/04/11		<b>Stuck Pump.</b> Rod & tubing details updated.



#### PERFORATION RECORD

Date	Depth Range	Number of JSPF	Number of Holes
09/13/06	5900-5906'	4 JSPF	24 holes
09/13/06	5873-5881'	4 JSPF	32 holes
09/19/06	5570-5580'	4 JSPF	40 holes
09/19/06	5532-5544'	4 JSPF	48 holes
09/19/06	5201-5214'	4 JSPF	52 holes
09/19/06	5160-5166'	4 JSPF	24 holes
09/19/06	5130-5137'	4 JSPF	28 holes
09/19/06	5019-5026'	4 JSPF	28 holes
09/19/06	4968-4974'	4 JSPF	24 holes
09/19/06	4893-4899'	4 JSPF	24 holes
09/20/06	4795-4801'	4 JSPF	24 holes
09/20/06	4761-4768'	4 JSPF	28 holes
09/20/06	4634-4644'	4 JSPF	40 holes
12/6/10	4318-4320'	3 JSPF	6 holes
12/6/10	4307-4310'	3 JSPF	9 holes
12/6/10	4296-4298'	3 JSPF	6 holes
12/6/10	4179-4181'	3 JSPF	6 holes



**Federal 11-17-9-16**  
 2022' FSL & 1854' FWL  
 NE/SW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33034; Lease #UTU-52018

Federal 13-17-9-16

Spud Date: 8-3-06  
 Put on Production: 9-14-06  
 GL: 6049' KB: 6061'

Injection Wellbore  
 Diagram

**SURFACE CASING**

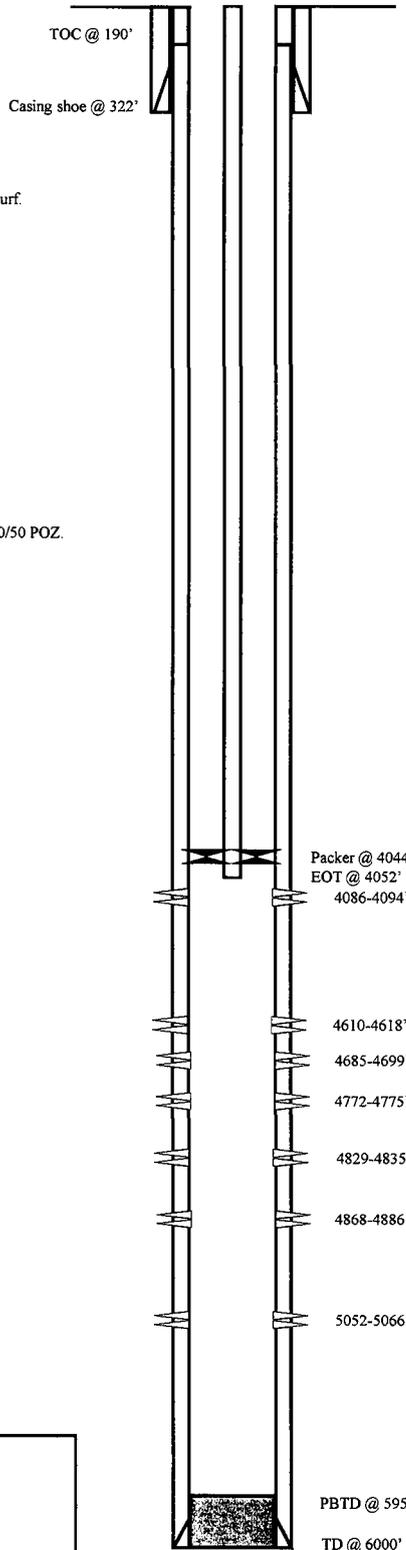
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (310.19')  
 DEPTH LANDED: 322.04' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts (5969.67')  
 DEPTH LANDED: 5982.92' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 190'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 TUBING PUP: 1 jt (6.0')  
 NO. OF JOINTS: 127jts (5026')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4043.2' KB  
 PACKER: 4044.3'  
 TOTAL STRING LENGTH: EOT @ 4052' KB



**FRAC JOB**

09-08-06 5052-5066' **Frac A3 sands as follows:**  
 53799# 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1879 psi w/avg rate of 24.8 BPM. ISIP 2050 psi. Calc flush: 5050 gal. Actual flush: 4536 gal.

09-08-06 4829-4886' **Frac B2, & B1 sands as follows:**  
 84971# 20/40 sand in 616 bbls Lightning 17 frac fluid. Treated @ avg press of 1856 psi w/avg rate of 24.9 BPM. ISIP 2250 psi. Calc flush: 4827 gal. Actual flush: 4326 gal.

09-08-06 4610-4699' **Frac D2, & D1 sands as follows:**  
 70145# 20/40 sand in 528 bbls Lightning 17 frac fluid. Treated @ avg press of 1827 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4608 gal. Actual flush: 4032 gal.

09-08-06 4086-4094' **Frac GB4 sands as follows:**  
 29228# 20/40 sand in 327 bbls Lightning 17 frac fluid. Treated @ avg press of 1944 w/ avg rate of 24.9 BPM. ISIP 1640 psi. Calc flush: 4084 gal. Actual flush: 3990 gal.

1-10-08 **Pump Change.** Updated rod & tubing details.  
 04/04/11 **Tubing leak.** Rod & tubing updated.  
 05/08/12 4772-4775' **Frac C sands a follows:** 23718# 20/40 sand in 309 bbls Lighting 17 frac fluid.  
 05/11/12 **Conversion to Injection Well**  
 05/15/12 **Conversion MIT Finalized** - update tbg detail

**PERFORATION RECORD**

Date	Interval	Tool	Holes
09-01-06	5052-5066'	4 JSPF	56 holes
09-08-06	4868-4886'	4 JSPF	72 holes
09-08-06	4829-4835'	4 JSPF	24 holes
09-08-06	4685-4699'	4 JSPF	56 holes
09-08-06	4610-4618'	4 JSPF	32 holes
09-08-06	4086-4094'	4 JSPF	32 holes
05/07/12	4772-4775'	3 JSPF	9 holes

**NEWFIELD**  
  
**Federal 13-17-9-16**  
 746' FSL & 842' FWL  
 SW/SW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API # 43-013-33036; Lease # UTU-52018

## Federal 15-17-9-16

Spud Date: 08/18/06  
 Put on Production: 10/13/06  
 K.B.: 6000, G.L5988

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (310.18')  
 DEPTH LANDED: 322.03' 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: 136 jts. (5986.81')  
 DEPTH LANDED: 6000.06' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP: 60'

### TUBING

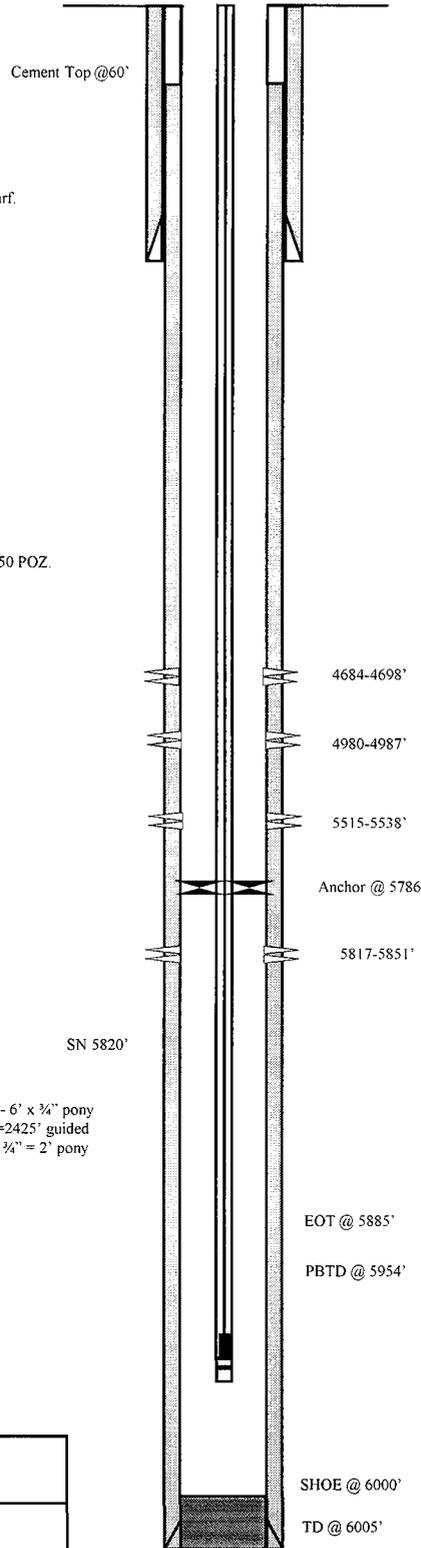
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 183 jts (5785.5')  
 TUBING ANCHOR: 5785.5' KB  
 NO. OF JOINTS: 1 jts (31.7')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5820.1' KB  
 NO. OF JOINTS: 2 jts (63.4')  
 TOTAL STRING LENGTH: EOT @ 5885' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2' x 3/4" pony rods, 1-4' x 3/4" pony rod, 1-6' x 3/4" pony rod, 1-8' x 3/4" pony rod, 98-3/4" = 2450' guided rods, 97-3/4" = 2425' guided rods, 30-3/4" = 750' guided rods, 6-1 1/2" = 150' weight bars, 1-3/4" = 2' pony rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 17"  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4.5

### FRAC JOB

10/10/06	5817-5851'	<b>Frac CP5 sands as follows:</b> 89648# 20/40 sand in 681 bbls Lightning 17 frac fluid. Treated @ avg press of 1910 psi w/avg rate 25.3 BPM. ISIP 2250 psi. Calc flush: 5849 gal. Actual flush: 5309 gal.
10/10/06	5515-5538'	<b>Frac CP1 sands as follows:</b> 60364# 20/40 sand in 493 bbls Lightning 17 frac fluid. Treated @ avg press of 1727 psi w/avg rate of 25.1 BPM. ISIP 2120 psi. Calc flush: 5536 gal. Actual flush: 4998 gal.
10/11/06	4980-4987'	<b>Frac A.5 sands as follows:</b> 29934# 20/40 sand 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2320 psi w/avg rate of 25 BPM. ISIP 2500 psi. Calc flush: 4985 gal. Actual flush: 4473 gal.
10/11/06	4684-4698'	<b>Frac D3 sands as follows:</b> 87753# 20/40 sand in 610 bbls Lightning 17 frac fluid. Treated @ avg press of 1960 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 4696 gal. Actual flush: 4578 gal.
11/30/06	Pump Change	Rod & Tubing Detail updated.
05/02/08	Stuck Pump	Tubing detail updated.
3/19/10		Pump change. Updated rod and tubing detail.
11/24/2011		<b>Pump Change.</b> Updated rod & tubing detail.



### PERFORATION RECORD

10/05/06	5817-5851'	2 JSPF	68 holes
10/10/06	5515-5538'	4 JSPF	92 holes
10/11/06	4980-4987'	4 JSPF	28 holes
10/11/06	4684-4698'	4 JSPF	56 holes



**Federal 15-17-9-16**  
 810' FSL & 1961' FEL  
 SW/SE Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33037; Lease #UTU-52018

## Federal 1-19-9-16

Spud Date: 7-25-07  
Put on Production: 09-11-07

GL: 6123' KB: 6135'

### Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (295.87')  
DEPTH LANDED: 306.47' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

#### PRODUCTION CASING

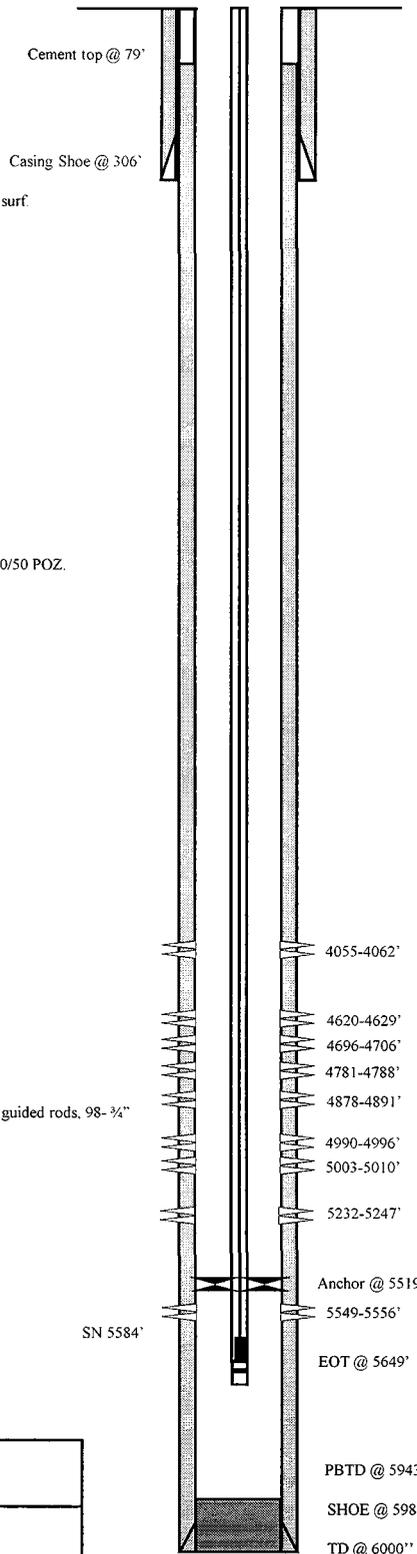
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 154 jts (5969.80')  
DEPTH LANDED: 5983.05' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 79'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 175 jts (5506.57')  
TUBING ANCHOR: 5518.57' KB  
NO. OF JOINTS: 2 jts (62.81')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5584.18' KB  
NO. OF JOINTS: 2 jts (62.98')  
TOTAL STRING LENGTH: EOT @ 5648.71' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-2", 1-4", & 1-8" x 3/4" pony rods, 98- 3/4" guided rods, 98- 3/4" slick rods, 20- 3/4" guided rods, 6-1 1/2" weight rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 18' RHAC w/SM plunger  
STROKE LENGTH: 102"  
PUMP SPEED, SPM: 5 SPM



#### FRAC JOB

09-05-07	5549-5556'	<b>Frac CP1 sands as follows:</b> 15110# 20/40 sand in 296 bbls Lightning 17 frac fluid. Treated @ avg press of 2353 psi w/avg rate of 24.9 BPM. ISIP 2692 psi. Calc flush: 5547 gal. Actual flush: 5040 gal.
09-05-07	5232-5247'	<b>Frac LODC sands as follows:</b> 50233# 20/40 sand in 463 bbls Lightning 17 frac fluid. Treated @ avg press of 2511 psi w/avg rate of 24.8 BPM. ISIP 2464 psi. Calc flush: 5230 gal. Actual flush: 4746 gal.
09-05-07	4990-5010'	<b>Frac A1 sands as follows:</b> 20077# 20/40 sand in 311 bbls Lightning 17 frac fluid. Treated @ avg press of 2085 psi w/avg rate of 24.7 BPM. ISIP 2373 psi. Calc flush: 4988 gal. Actual flush: 4536 gal.
09-05-07	4878-4891'	<b>Frac B2 sand as follows:</b> 49985# 20/40 sand in 456 bbls Lightning 17 frac fluid. Treated @ avg press of 1957 w/ avg rate of 24.8 BPM. ISIP 2153 psi. Calc flush: 4876 gal. Actual flush: 4410 gal.
09-06-07	4781-4788'	<b>Frac C sand as follows:</b> 19649# 20/40 sand in 311 bbls Lightning 17 frac fluid. Treated @ avg press of 2398 w/ avg rate of 24.7 BPM. ISIP 2579 psi. Calc flush: 4779 gal. Actual flush: 4326 gal.
09-06-07	4696-4706'	<b>Frac D2 sand as follows:</b> 40012# 20/40 sand in 408 bbls Lightning 17 frac fluid. Treated @ avg press of 1750 w/ avg rate of 24.8 BPM. ISIP 2092 psi. Calc flush: 4694 gal. Actual flush: 4242 gal.
09-06-07	4620-4629'	<b>Frac D1 sand as follows:</b> 30099# 20/40 sand in 389 bbls Lightning 17 frac fluid. Treated @ avg press of 1725 w/ avg rate of 24.8 BPM. ISIP 2003 psi. Calc flush: 4618 gal. Actual flush: 4074 gal.
09-06-07	4055-4062'	<b>Frac GB2 sand as follows:</b> 22242# 20/40 sand in 321 bbls Lightning 17 frac fluid. Treated @ avg press of 1516 w/ avg rate of 24.8 BPM. ISIP 1371 psi. Calc flush: 4053 gal. Actual flush: 3948 gal.

#### PERFORATION RECORD

08-29-07	5549-5556'	4 JSPF	28 holes
09-05-07	5232-5247'	4 JSPF	60 holes
09-05-07	5003-5010'	4 JSPF	28 holes
09-05-07	4990-4996'	4 JSPF	24 holes
09-05-07	4878-4891'	4 JSPF	52 holes
09-05-07	4781-4788'	4 JSPF	28 holes
09-06-07	4696-4706'	4 JSPF	40 holes
09-06-07	4620-4629'	4 JSPF	36 holes
09-06-07	4055-4062'	4 JSPF	28 holes

**NEWFIELD**

**Federal 1-19-9-16**

688' FNL & 355' FEL

NE/NE Section 19-T9S-R16E

Duchesne Co, Utah

API # 43-013-33062; Lease # UTU-64379

## Monument Fed. #24-17-9-16

Spud Date: 7/18/1996  
 Put on Production: 8/30/1996  
 GL: 6008' KB: 6018'

Initial Production: 20 BOPD,  
 NM MCFD, 5 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 268.95'  
 DEPTH LANDED: 279.95'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

### PRODUCTION CASING

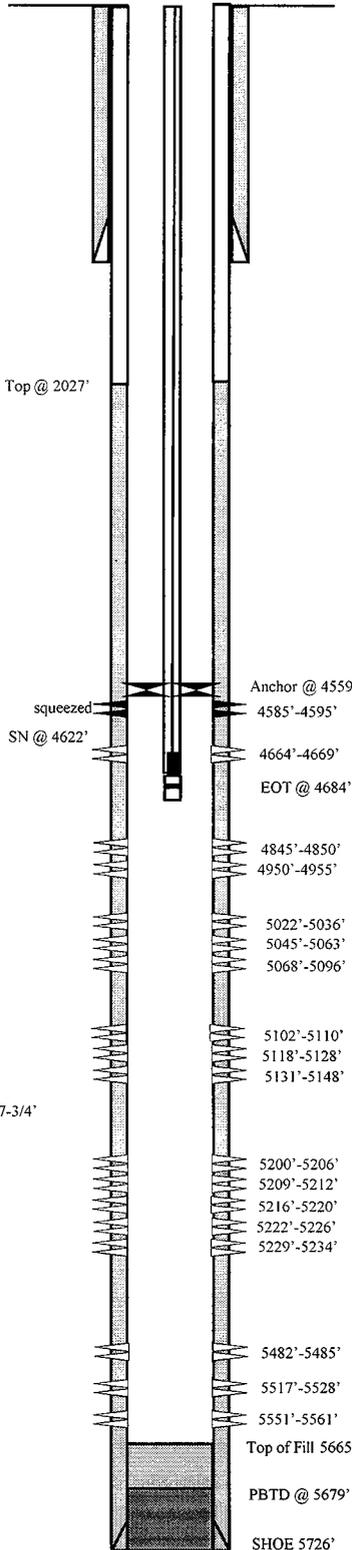
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 5716.51'  
 DEPTH LANDED: 5726.51'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 150 sxs Super "G" & 310 sxs 50/50 POZ.  
 CEMENT TOP AT: 2027' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS: 145 jts. 4549.45'  
 TUBING ANCHOR: 4559.45'  
 NO. OF JOINTS: 2 jt. (60.20')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4622.45' KB  
 NO. OF JOINTS: 1 jt. (60.19')  
 TOTAL STRING LENGTH: EOT @ 4684.19'

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 1 1/4" x 22' polished rods, 1-2', 2-6' x 3/4' pony rods, 177-3/4' guided rods, 6-1 1/2' wt bars  
 PUMP SIZE: 2 1/2" x 1 1/2" x 15' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 4 SPM



### FRAC JOB

8/13/96 5200'-5234' **Frac LODC as follows:**  
 29,908# 20/40 sand + 67,270# 16/30 sand in 703 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 19.4 BPM. ISIP 2650 psi. Calc. flush: 5200 gal. Actual flush: 5166 gal.

8/16/96 4845'-4955' **Frac A & B sands as follows:**  
 44,700# 16/30 sand in 396 bbls frac fluid. Treated @ avg press of 2650 psi w/avg rate of 30.4 BPM. ISIP 2150 psi. Calc. flush: 4845 gal. Actual flush: 4788 gal.

8/16/96 4664'-4669' **Frac D-2 as follows:**  
 21,800# 16/30 sand in 264 bbls frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.8 BPM. ISIP 1950 psi. Calc. flush: 4664 gal. Actual flush: 4620 gal.

6/06/98 5482'-5562' **Frac CP as follows:**  
 102,300# 20/40 sand 334 bbls Viking 1-25 frac fluid. Treated @ avg press of 6825 psi w/avg rate of 28.4 BPM. ISIP 2000 psi. Calc. Flush: 5482 gal. Actual flush: 1344 gal.

6/09/98 5032'-5140' **Frac LODC as follows:**  
 95,500# 20/40 sand 324 bbls Viking 1-25 frac fluid. Treated @ avg press of 5520 psi w/avg rate of 27.5 BPM. ISIP 1540 psi. Calc. Flush: 5032 gal. Actual flush: 1218 gal.

6/11/98 4585'-4595' **Frac D-1 as follows:**  
 117,110# 20/40 sand in 594 bbls Viking 1-25 frac fluid. Treated @ avg press of 2415 psi w/avg rate of 30 BPM. ISIP 2150 psi. Calc. Flush: 4585 gal. Actual flush: 4494 gal.

7/15/98 Squeeze 5032'-5140' w/ 90 sxs Class "G".

01/08/03 5022'-5148' **Frac UPLODC sands follows:**  
 247,818 # 20/40 sand in 1544 bbls Viking 1-25 fluid. Treated @ avg press of 3810 psi w/avg rate of 19.7 BPM. ISIP 2250 psi. Calc. Flush: 1291 gal. Actual flush: 1176 gal.

6/04/04 Pump Change.

10/25/04 Tubing Leak. Update rod and tubing details.

12/30/04 Tubing Leak. Update rod details.

1/24/05 Pump change. Update rod and tubing details.

08/16/05 Tubing Leak. Update rod and tubing details.

03/09/06 Parted Rods. Update rod and tubing details.

### PERFORATION RECORD

Date	Interval	SPF	Holes
8/12/96	5200'-5206'	4 SPF	24 holes
8/12/96	5209'-5212'	4 SPF	12 holes
8/12/96	5216'-5220'	4 SPF	16 holes
8/12/96	5222'-5226'	4 SPF	16 holes
8/12/96	5229'-5234'	4 SPF	20 holes
8/15/96	4845'-4850'		08 holes
8/15/96	4950'-4955'		06 holes
8/16/96	4664'-4669'	4 SPF	20 holes
6/05/98	5482'-5485'	4 SPF	12 holes
6/05/98	5517'-5528'	4 SPF	44 holes
6/05/98	5551'-5561'	4 SPF	40 holes
6/08/98	5032'-5035'	2 SPF	06 holes
6/08/98	5047'-5062'	2 SPF	30 holes
6/08/98	5069'-5076'	2 SPF	14 holes
6/08/98	5083'-5095'	2 SPF	24 holes
6/08/98	5121'-5126'	2 SPF	10 holes
6/08/98	5131'-5140'	2 SPF	18 holes
6/10/98	4585'-4595'	4 SPF	40 holes (sqzd)
1/06/03	5022'-5036'	4 SPF	128 holes (reperf)
1/06/03	5045'-5063'	4SPF	128 holes (reperf)
1/06/03	5068'-5096'	4 SPF	112 holes (reperf)
1/06/03	5102'-5110'	4 SPF	32 holes
1/06/03	5118'-5128'	4 SPF	108 holes (reperf)
1/06/03	5131'-5148'	4 SPF	108 holes (reperf)



**Monument Fed. #24-17-9-16**  
 660' FSL & 1980' FWL  
 SESW Section 17-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31682; Lease #U-52018

## Monument Federal #22-20

Elev GR - 6097' GL  
Elev KB - 6107' KB (10' KB)

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 253.07'  
DEPTH LANDED: 263.07' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 180 sks super "G", 2%  
CaCl<sub>2</sub>, 1/4#/sk Cello-flake.  
Returned 10 bbbs to pit.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 5696.50'  
DEPTH LANDED: 5706.50' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 181 sks super "G", 3% salt,  
2% gel, 2#/sk Koi-seal, 1/4#/sk  
Cello-flake, Tail w/ 400 sks  
50/50 POZ, 2% gel, 1/4#/sk  
Cello-flake, 2#/sk Koi-seal

CEMENT TOP AT: 1110' KB

#### TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#  
NO. OF JOINTS: 144 Jts (4513.91')  
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75"  
NO. OF JOINTS: 25 Jts (778.60')  
SEATING NIPPLE: 2-7/8"x1.10"  
PERFORATED SUB: 2-7/8"x4.20"  
MUD ANCHOR: 2-7/8"x31.40"  
STRING LENGTH: 5342.36'  
SN LANDED AT: 5305.26' KB

#### SUCKER RODS

WELL LAST PULLED: Completion

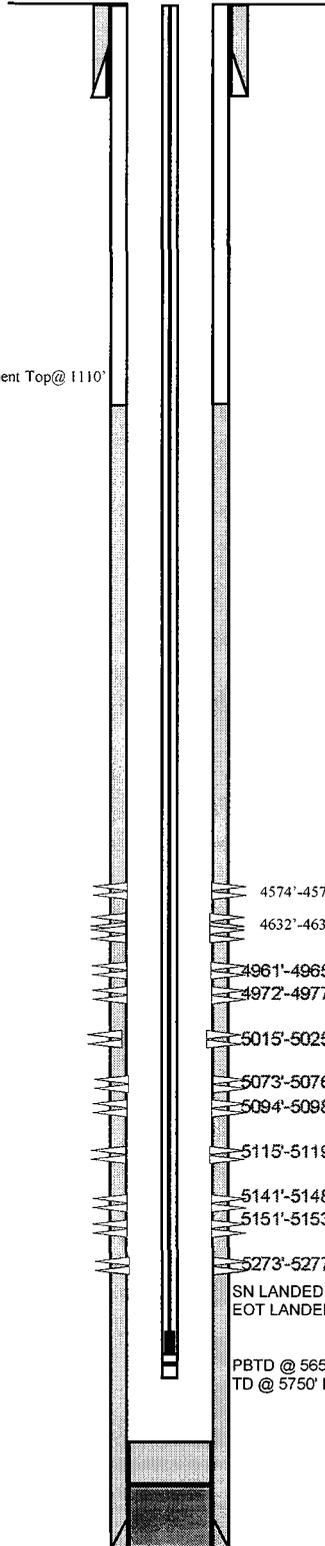
POLISHED ROD: 1-1/4"x22" SM  
SUCKER RODS: 210-3/4"x25" D-61 Plain  
1-7/8"x2" Pony w/ 2-1/2" guide  
1-1-1/2"x25" K-Bar  
1-7/8"x2" Pony w/ 2-1/2" guide

TOTAL STRING LENGTH: 5301'

PUMP NUMBER: Trico #1187  
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC  
w/ SM Plunger  
STROKE LENGTH: 72 inches  
PUMP SPEED, SPM: 4.2 spm  
PUMPING UNIT SIZE: LuKin C16D-173-74  
SN: E100070M4-58891

PRIME MOVER: Ajax E-30, 7-1/4"x6"  
SN: 79966

TANK SIZES & NUMBERS: 2-400 bbl Natco 12"x20"  
TANK #1 SN: 8D-16101-03  
TANK #2 SN: 8D-16101-02



#### ACID JOB / BREAKDOWN

Date	Interval	Services
8/20/96	5273'-5277'	BJ Services: 2058 gal 2% KCL water w/ 32 ball sealers. Ball action but no ball off. ATP= 3000 psi, ATR= 3.5 bpm, ISIP= 1920 psi.
8/22/96	4961'-4965' 4972'-4977'	BJ Services: 1806 gal 2% KCL water w/ 28 ball sealers. Balled off. ATP= 2200 psi, ATR= 4.0 bpm, ISIP= 1500 psi.
8/22/96	5015'-5025'	BJ Services: 2100 gal 2% KCL water w/ 40 ball sealers. Balled off. ATP= 2600 psi, ATR= 3.8 bpm, ISIP= 1500 psi.
8/22/96	5073'-5076' 5094'-5098' 5115'-5119'	BJ Services: 2394 gal 2% KCL water w/ 44 ball sealers. Balled off. ATP= 2500 psi, ATR= 4.0 bpm, ISIP= 1300 psi.
8/22/96	5141'-5148' 5151'-5153'	BJ Services: 2436 gal 2% KCL w water w/ 36 ball sealers. Balled off. ATP= 3600 psi, ATR= 3.4 bpm, ISIP= 2100 psi.
8/29/96	4574'-4576'	BJ Services: 1564 gal 2% KCL water w/ 8 ball sealers. Balled off. ATP= 2700 psi, ATR= 4.2 bpm, ISIP= 1550 psi.
8/29/96	4632'-4638'	BJ Services: 1722 gal 2% KCL water w/ 20 ball sealers. Ball action but no ball off. ATP= 3000 psi, ATR= 3.8 bpm, ISIP= 1400 psi.

#### FRAC JOB

Date	Interval	Services
8/21/96	5273'-5277'	BJ Services: 11,214 gal 2% KCL water w/ 5700# 20/40 sand & 10,000# 16/30 sand. ATP= 3500 psi, ATR= 19.8 bpm, ISIP= 2430 psi, 5 min= 2150 psi, 10 min= 2090 psi, 15 min= 2020 psi, 30 min= 1910 psi.
8/23/96	4961'-5153'	BJ Services: 52,626 gal 2% KCL water w/ 52,200# 20/40 sand & 119,780# 16/30 sand. ATP= 2800 psi, ATR= 55.8 bpm, ISIP= 2110 psi, 5 min= 1756 psi, 10 min= 1630 psi, 15 min= 1560 psi, 30 min= 1450 psi.
8/30/96	4574'-4576' 4632'-4638'	BJ Services: 13,398 gal 2% KCL water w/ 36,400# 16/30 sand. ATP= 3500 psi, ATR= 29.8 bpm, ISIP= 1870 psi, 5 min= 1600 psi, 10 min= 1430 psi, 15 min= 1330 psi, 30 min= 1090 psi.

#### PERFORATION RECORD

Date	Company	Interval	SPF
8/20/96	Schlumberger	5273'-5277'	4 SPF
8/22/96	Schlumberger	4961'-4965' 4972'-4977' 5015'-5025' 5073'-5076' 5094'-5098' 5115'-5119' 5141'-5148' 5151'-5153'	2 SPF 2 SPF 2 SPF 2 SPF 2 SPF 2 SPF 2 SPF
8/29/96	Schlumberger	4574'-4576' 4632'-4638'	4 Holes 10 Holes



Monument Butte  
Lease #U-52018  
SE NW Section 20, T9S, R16E  
1980' FNL, 1980' FWL  
Duchesne County, Utah

API # 43-013-31681

## NGC Fed. 31-20G-9-16

Spud Date: 1/04/85  
 Put on Production: 4/08/85  
 GL: 6051' KB: 6030'

Initial Production: 88 BOPD,  
 62 MCFPD, 21 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (319.75')  
 DEPTH LANDED: 319'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 250 sxs Class "H"

### PRODUCTION CASING

CSG SIZE: 5-1/2" / J-55 LT&C / 15.5#  
 LENGTH: 74 jts.  
 CSG SIZE: 5-1/2" / K-55 / 15.5#  
 LENGTH: 74 jts.  
 DEPTH LANDED: 6118'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 240 sxs Lite, tail w/ 570 sxs Class "H"  
 CEMENT TOP AT: 2450' per CBL

### TUBING

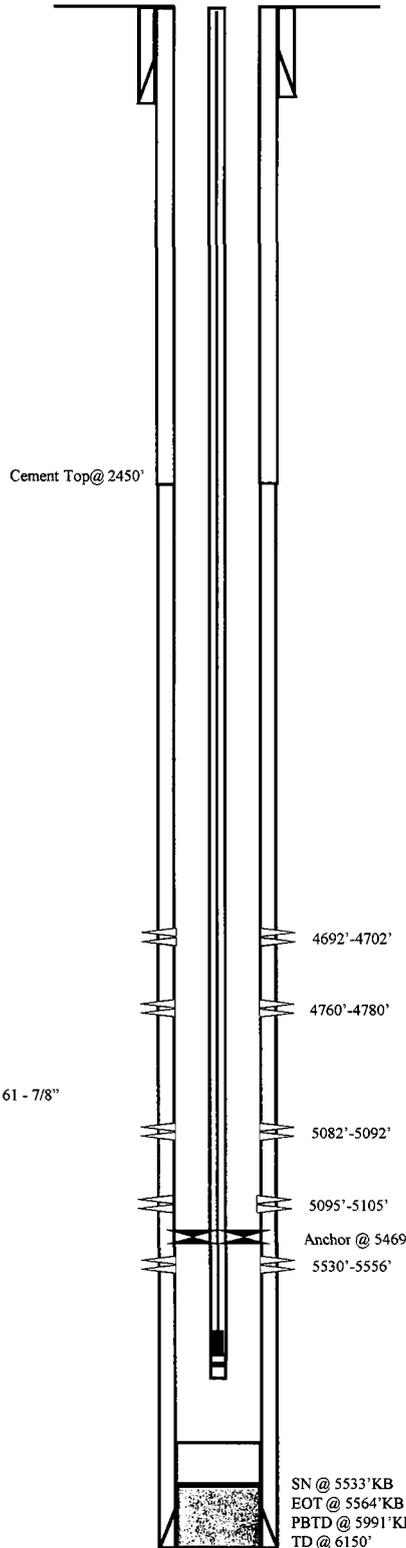
SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#  
 NO. OF JOINTS: 172 jts. (5457.93')  
 TUBING ANCHOR: 5469.93' KB  
 NO. OF JOINTS: 2 jts. (62.00')  
 SN LANDED AT: 1.10' x 2 7/8" (5533.03') KB  
 NO. OF JOINTS: 1 jt. (31.90')  
 TOTAL STRING LENGTH: 5564.93' KB

### SUCKER RODS

POLISHED ROD: 1-1/4" X 22'  
 SUCKER RODS: 4 - 1-1/2" weight rods, 154 - 3/4" slick rods, 61 - 7/8" guided rods, 1-4', 1-6', 1-10' x 7/8" pony rods..  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH:  
 PUMP SPEED:  
 LOGS: DIL, LDT-CNL, EPT, LSS, GR, SP, ABCL, CBL

### FRAC JOB

3/10/85	5530'-5556'	<b>Frac zone as follows:</b> 120,000# 20/40 sand + 30,000# 12/20 sand in 1263 bbl gel. Average treating pressure 2800 psi at 20 BPM. ISIP 2500 psi. Calc. flush: 5530 gal. Actual flush: 3654 gal. 3/10/85
3/17/85	4760'-4780'	<b>Frac zone as follows:</b> 45,000# 20/40 sand + 12,135# 12/20 sand in 1112 bbl gel. Average treating pressure 3100 psi at 20 BPM. ISIP 1800 psi. Calc. flush: 4760 gal. Actual flush: 1260 gal.
3/26/85	4692'-4702'	<b>Frac zone as follows:</b> 32,000# 20/40 sand + 14,000# 12/20 sand in 581 bbl gel. Average treating pressure 3200 psi at 25 BPM. ISIP 2000 psi. Calc. flush: 4692 gal. Actual flush: 3444 gal.
1/31/98	5082'-5105'	<b>Frac zone as follows:</b> 120,000# 20/40 sand in 489 bbl gel. Average treating pressure 6600 psi at 24.8 BPM. ISIP 4693 psi. Calc. flush: 1317 gal. Actual flush: 1737 gal.



### PERFORATION RECORD

Date	Depth Range	SPF	Holes
3/02/85	5530'-5556'	4	104
3/13/85	4764'-4780'	4	64
3/15/85	4760'-4780'	4	80
3/23/85	4692'-4702'	4	40
1/30/98	5082'-5092'	4	40
1/30/98	5095'-5105'	4	40



NGC Fed. #31-20G-9-16  
 540' FNL & 1944' FEL  
 NWNE Section 20-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31071; Lease #U-52018

SN @ 5533'KB  
 EOT @ 5564'KB  
 PBTD @ 5991'KB  
 TD @ 6150'

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Darren Betts**

Well Name: **SWDIF**

Lab Tech: **Gary Peterson**

Sample Point: **After production filter**

Sample Date: **12/9/2011**

Sample ID: **WA-204150**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	12/9/2011	Sodium (Na):	6799.09	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	26.10	Sulfate (SO4):	2.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	9.40	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	26.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	24.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.47	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	17913.62	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.70	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.06	Silica (SiO2):	0.00
H2S in Water (mg/L):	10.00				

Notes:

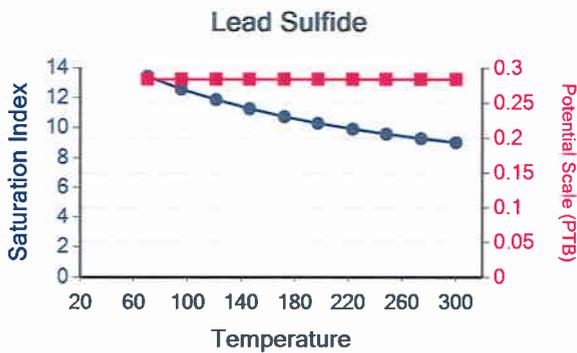
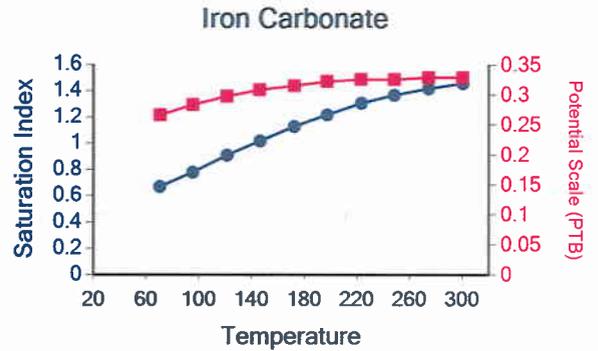
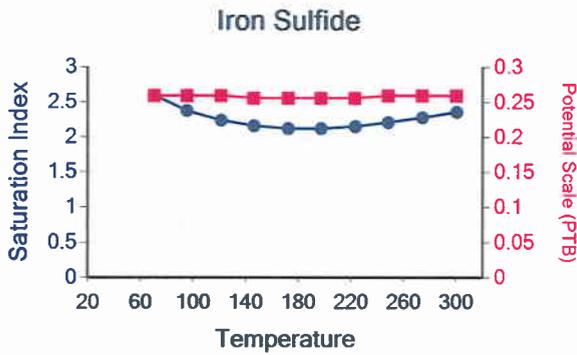
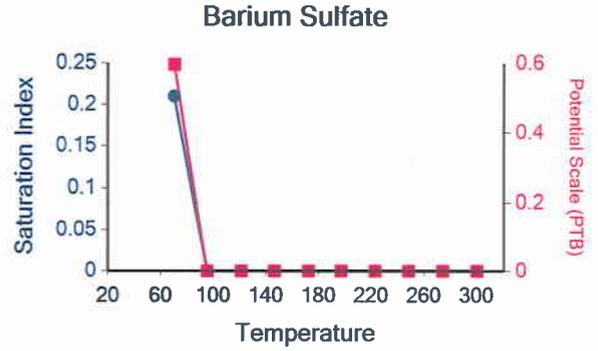
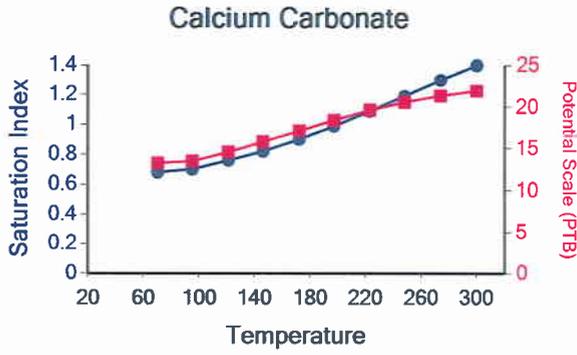
(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	0.00	0.00	0.00	0.00	0.00	0.00

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

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



Units of Measurement: **Standard**

**Water Analysis Report**

Production Company: **NEWFIELD PRODUCTION**

Sales Rep: **Darren Betts**

Well Name: **FEDERAL 3-20-9-16**

Lab Tech: **Gary Peterson**

Sample Point:

Sample Date: **4/12/2012**

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

Sample ID: **WA-212123**

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date: 4/25/2012		Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	300.00	Sodium (Na):	1565.51	Chloride (Cl):	1500.00
System Pressure 1 (psig):	3000.0000	Potassium (K):	54.70	Sulfate (SO <sub>4</sub> ):	9.00
System Temperature 2 (°F):	70.00	Magnesium (Mg):	5.90	Bicarbonate (HCO <sub>3</sub> ):	1708.00
System Pressure 2 (psig):	14.7000	Calcium (Ca):	7.80	Carbonate (CO <sub>3</sub> ):	0.00
Calculated Density (g/ml):	1.00	Strontium (Sr):	0.00	Acetic Acid (CH <sub>3</sub> COO)	0.00
pH:	9.50	Barium (Ba):	7.90	Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)	0.00
Calculated TDS (mg/L):	4858.94	Iron (Fe):	0.10	Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)	0.00
CO <sub>2</sub> in Gas (%):	0.00	Zinc (Zn):	0.00	Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO)	0.00
Dissolved CO <sub>2</sub> (mg/L):	0.00	Lead (Pb):	0.00	Fluoride (F):	0.00
H <sub>2</sub> S in Gas (%):	0.00	Ammonia NH <sub>3</sub> :	0.00	Bromine (Br):	0.00
H <sub>2</sub> S in Water (mg/L):	50.00	Manganese (Mn):	0.03	Silica (SiO <sub>2</sub> ):	0.00

**Notes:**

(PTB = Pounds per Thousand Barrels)

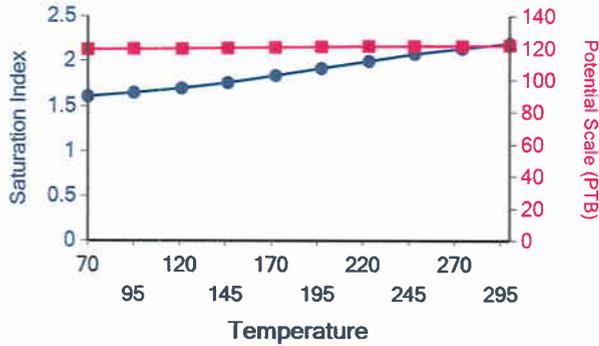
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Celestite SrSO <sub>4</sub>		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	1.61	6.65	0.88	3.54	3.97	0.06	1.37	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.96	0.00
95.00	346.00	1.65	6.67	0.64	2.94	3.76	0.06	1.50	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.45	0.00
121.00	678.00	1.70	6.69	0.45	2.32	3.62	0.06	1.63	0.07	0.00	0.00	0.00	0.00	0.00	0.00	10.02	0.00
146.00	1009.00	1.76	6.71	0.31	1.75	3.54	0.06	1.75	0.07	0.00	0.00	0.00	0.00	0.00	0.00	9.67	0.00
172.00	1341.00	1.84	6.73	0.22	1.29	3.50	0.06	1.86	0.07	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.00
197.00	1673.00	1.92	6.74	0.16	0.96	3.49	0.06	1.96	0.07	0.00	0.00	0.00	0.00	0.00	0.00	9.10	0.00
223.00	2004.00	2.00	6.76	0.12	0.78	3.50	0.06	2.04	0.07	0.00	0.00	0.00	0.00	0.00	0.00	8.86	0.00
248.00	2336.00	2.08	6.77	0.12	0.73	3.52	0.06	2.09	0.07	0.00	0.00	0.00	0.00	0.00	0.00	8.64	0.00
274.00	2668.00	2.14	6.78	0.13	0.80	3.55	0.06	2.11	0.07	0.00	0.00	0.00	0.00	0.00	0.00	8.43	0.00
300.00	3000.00	2.20	6.78	0.16	0.96	3.57	0.06	2.11	0.07	0.00	0.00	0.00	0.00	0.00	0.00	8.23	0.00

Temp (°F)	PSI	Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O		Anhydrate CaSO <sub>4</sub>		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.00	346.00	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
121.00	678.00	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
146.00	1009.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.00	1341.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.00	1673.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223.00	2004.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248.00	2336.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274.00	2668.00	0.00	0.00	0.00	0.00	0.00	0.00	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

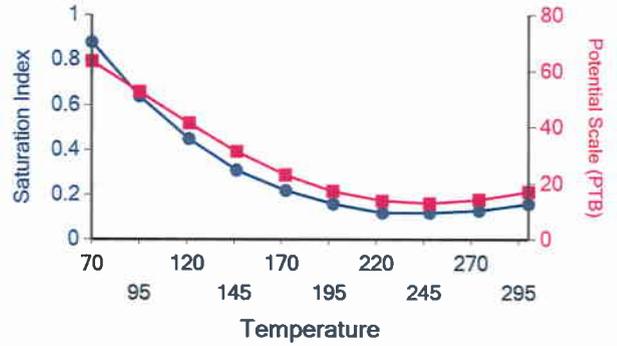
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide

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

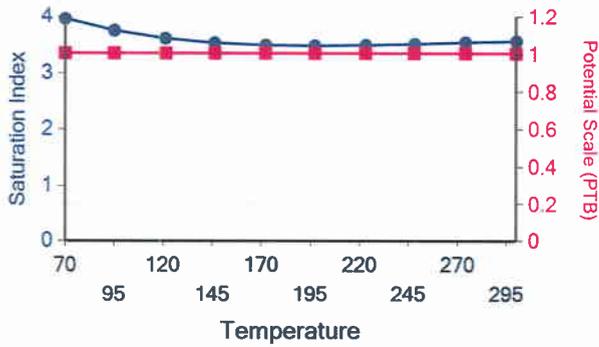
Calcium Carbonate



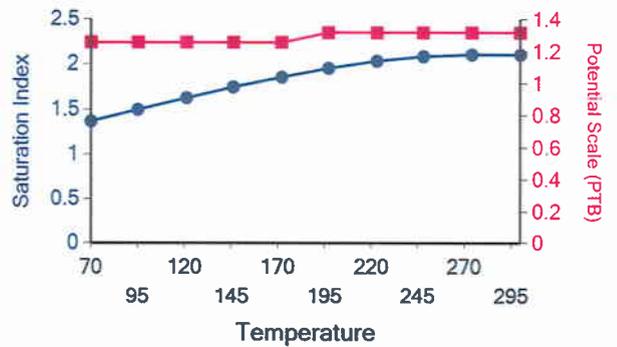
Barium Sulfate



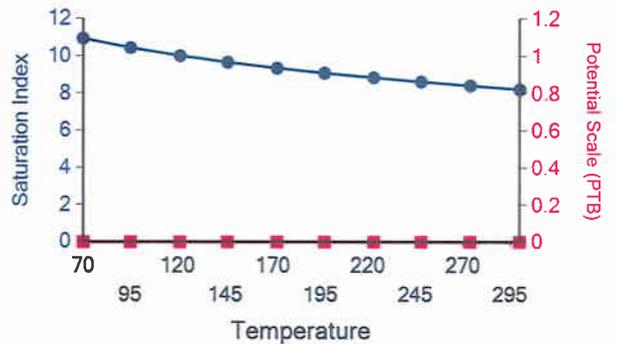
Iron Sulfide

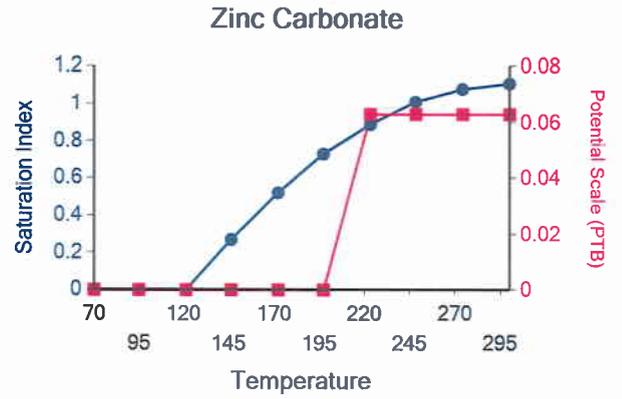


Iron Carbonate



Zinc Sulfide





Attachment "G"

Federal #3-20-9-16  
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5510	5520	5515	2280	0.85	2244
5273	5281	5277	2050	0.82	2016
5119	5132	5126	1900	0.80	1867
4654	4661	4658	1760	0.81	1730 ←
4576	4590	4583	2122	0.90	2092
				<b>Minimum</b>	<u><u>1730</u></u>

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

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

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



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 3-20-9-16      **Report Date:** 8-2-07      **Day:** 01  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 316'      **Prod Csg:** 5-1/2" @ 5976'      **Csg PBTD:** 5877'WL  
**Tbg:** Size: \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** \_\_\_\_\_

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>CP1 sds</u>	<u>5510-5520'</u>	<u>4/40</u>			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 01-Aug-07      **SITP:** \_\_\_\_\_ **SICP:** 0

Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5877' & cement top @ 408'. Perforate stage #1, CP1 sds @ 5510-20' w/ 3-1/8" Slick Guns (19 gram, .49"HE. 120 ) w/ 4 spf for total of 40 shots. 141 bbls EWTR. SIFN.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 141      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 0      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 141      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** \_\_\_\_\_ **Job Type:** \_\_\_\_\_  
**Company:** \_\_\_\_\_  
**Procedure or Equipment detail:**  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### COSTS

Weatherford BOP	\$540
NPC NU crew	\$300
Liddell trkg	\$800
Perforators LLC	\$5,750
Drilling cost	\$334,069
Zubiate Hot Oil	\$417
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

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

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$348,176  
**TOTAL WELL COST:** \$348,176





3 of 9

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 3-20-9-16      **Report Date:** 8-8-07      **Day:** 2b  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 316'      **Prod Csg:** 5-1/2" @ 5976'      **Csg PBTD:** 5877'WL  
**Tbg:**      **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 5383'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LODC sds	5273-5281'	4/32			
CP1 sds	5510-5520'	4/40			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 07-Aug-07      **SITP:** \_\_\_\_\_ **SICP:** 1738

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 8' per gun. Set plug @ 5383'. Perforate LODC sds @ 5273-81' w/ 3-1/8" Slick Guns (23 gram, .37"HE, 90 ) w/ 4 spf for tota of 32 shots. BJ broke down. RU BJ & frac stage #2 w/ 14,530#'s of 20/40 sand in 286 bbls of Lightning 17 frac fluid Open well w/ 1738 psi on casing. Perfs broke down @ 4000 psi. Treated @ ave pressure of 2660 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2050. 847 bbls EWTR Leave pressure on well. **See day2c.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 561      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 286      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 847      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

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

**Procedure or Equipment detail:**      LODC sds down casing  
1638 gals of 767W & to cross link  
1470 gals of pad  
1149 gals w/ 1-4 ppg of 20/40 sand  
2463 gals w/ 4-6.5 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4788 gals of slick water

### COSTS

Weatherford Services	\$2,300
C-D trkg frac water	\$345
NPC fuel gas	\$80
BJ Services LODCsds	\$4,741
Lone Wolf LODC sds	\$3,600

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

**Max TP:** 2910      **Max Rate:** 24.8      **Total fluid pmpd:** 286 bbls  
**Avg TP:** 2660      **Avg Rate:** 24.8      **Total Prop pmpd:** 14,530#'s  
**ISIP:** 2050      **5 min:** \_\_\_\_\_ **10 min:** \_\_\_\_\_      **FG:** .82

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$11,066  
**TOTAL WELL COST:** \$382,531



4 of 9

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 3-20-9-16      **Report Date:** 8-8-07      **Day:** 2c  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 316'      **Prod Csg:** 5-1/2" @ 5976'      **Csg PBTD:** 5877'WL  
**Tbg:**      **Size:** \_\_\_\_\_ **Wt:** \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBTD:** 5200'  
plug 5383'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LODC sds	5119-5132'	4/52			
LODC sds	5273-5281'	4/32			
CP1 sds	5510-5520'	4/40			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 07-Aug-07      **SITP:** \_\_\_\_\_ **SICP:** 1730

Day2c.

RU WLT. RIH w/ frac plug & 13' perf gun. Set plug @ 5200'. Perforate LODC sds @ 5119-32' w/ 4 spf for total of 52 shots. RU BJ & frac stage #3 w/ 45,312#'s of 20/40 sand in 447 bbls of Lightning 17 frac fluid. Open well w/ 1730 ps on casing. Perfs broke down @ 2623 psi. Treated @ ave pressure of 2162 w/ ave rate of 26.2 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1900. 1294 bbls EWTR. Leave pressure on well. See day2d.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 847      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 447      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1294      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

### COSTS

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:**      LODC sds down casing  
1344 gals of 767W & to cross link  
3570 gals of pad  
2819 gals w/ 1-5 ppg of 20/40 sand  
5959 gals w/ 5-8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4578 gals of slick water

Weatherford Services	\$2,300
C-D trkg frac water	\$1,040
NPC fuel gas	\$220
BJ Services LODCsds	\$10,385
Lone Wolf LODC sds	\$3,600

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

**Max TP:** 2513      **Max Rate:** 27.6      **Total fluid pmpd:** 447 bbls  
**Avg TP:** 2162      **Avg Rate:** 26.2      **Total Prop pmpd:** 45,312#'s  
**ISIP:** 1900      **5 min:** \_\_\_\_\_      **10 min:** \_\_\_\_\_      **FG:** .80

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \_\_\_\_\_ \$17,545  
**TOTAL WELL COST:** \_\_\_\_\_ \$400,076



## DAILY COMPLETION REPORT

**WELL NAME:** Federal 3-20-9-16      **Report Date:** 8-8-07      **Day:** 2d  
**Operation:** Completion      **Rig:** Rigless

### WELL STATUS

**Surf Csg:** 8-5/8' @ 316'      **Prod Csg:** 5-1/2" @ 5976'      **Csg PBD:** 5877'WL  
**Tbg:** Size: \_\_\_\_\_ Wt: \_\_\_\_\_      **Grd:** \_\_\_\_\_ **Pkr/EOT @:** \_\_\_\_\_      **BP/Sand PBD:** 4760'  
plug 5383' 5200'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4654-4661'	4/28			
LODC sds	5119-5132'	4/52			
LODC sds	5273-5281'	4/32			
CP1 sds	5510-5520'	4/40			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 07-Aug-07      **SITP:** \_\_\_\_\_ **SICP:** 1420

Day2d.  
 RU WLT. RIH w/ frac plug & 7' perf gun. Set plug @ 4760'. Perforate D2 sds @ 4654-61' w/ 4 spf for total of 28 shots. RU BJ & frac stage #4 w/ 25,097#'s of 20/40 sand in 345 bbls of Lightning 17 frac fluid. Open well w/ 1420 ps on casing. Perfs broke down @ 3700 psi. Treated @ ave pressure of 1686 w/ ave rate of 24.8 bpm w/ 6.5 ppg o sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1760. 1639 bbls EWTR. Leave pressure or well. **See day2e.**

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 1294      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 345      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 1639      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_ **FFL:** \_\_\_\_\_ **FTP:** \_\_\_\_\_ **Choke:** \_\_\_\_\_ **Final Fluid Rate:** \_\_\_\_\_ **Final oil cut:** \_\_\_\_\_

### STIMULATION DETAIL

**Base Fluid used:** Lightning 17      **Job Type:** Sand frac  
**Company:** BJ Services  
**Procedure or Equipment detail:** D2 sds down casing  
1386 gals of 767W & to cross link  
2478 gals of pad  
1915 gals w/ 1-4 ppg of 20/40 sand  
4007 gals w/ 5-8 ppg of 20/40 sand  
504 gals of 15% HCL acid  
Flush w/ 4200 gals of slick water

### COSTS

Weatherford Services	\$2,300
C-D trkg frac water	\$560
NPC fuel gas	\$120
BJ Services D2 sds	\$6,901
Lone Wolf D2 sds	\$3,600

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

**Max TP:** 1952    **Max Rate:** 24.8    **Total fluid pmpd:** 345 bbls  
**Avg TP:** 1686    **Avg Rate:** 24.8    **Total Prop pmpd:** 25,097#'s  
**ISIP:** 1760    **5 min:** \_\_\_\_\_    **10 min:** \_\_\_\_\_    **FG:** .81

**Completion Supervisor:** Ron Shuck

**DAILY COST:** \$13,481  
**TOTAL WELL COST:** \$413,557



DAILY COMPLETION REPORT

WELL NAME: Federal 3-20-9-16 Report Date: 8-8-07 Day: 2e  
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 316' Prod Csg: 5-1/2" @ 5976' Csg PBTD: 5877'WL  
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4615'  
plug 5383' 5200' 4760'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4576-4590'	4/56			
D2 sds	4654-4661'	4/28			
LODC sds	5119-5132'	4/52			
LODC sds	5273-5281'	4/32			
CP1 sds	5510-5520'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 07-Aug-07 SITP: SICP: 1219

Day 2d.

RU WLT. RIH w/ frac plug & 14' perf gun. Set plug @ 4615'. Perforate D1 sds @ 4576-00' w/ 4 spf for total of 56 shots. RU BJ & frac stage #5 w/ 77,698#'s of 20/40 sand in 604 bbls of Lightning 17 frac fluid. Open well w/ 1219 ps on casing. Perfs broke down @ 2748 psi. Treated @ ave pressure of 1939 w/ ave rate of 24.8 bpm w/ 8 ppg of sand ISIP was 2122. 243 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 4 hours & died w/ 243 bbls rec'd SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2243 Starting oil rec to date:  
Fluid lost/recovered today: 243 Oil lost/recovered today:  
Ending fluid to be recovered: 2000 Cum oil recovered:  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand frac  
Company: BJ Services  
Procedure or Equipment detail: D1 sds down casing  
1260 gals of 767W & to cross link  
5796 gals of pad  
3944 gals w/ 1-5 ppg of 20/40 sand  
7872 gals w/ 5-8 ppg of 20/40 sand  
1957 gals w/ 8 ppg of 20/40 sand  
Flush w/ 4536 gals of slick water

COSTS

Weatherford Services	\$2,300
C-D trkg frac water	\$1,690
NPC fuel gas	\$350
BJ Services D1 sds	\$33,127
Lone Wolf D1 sds	\$3,600
C-D trkg wtr transfer	\$400

Max TP: 2251 Max Rate: 24.8 Total fluid pmpd: 604 bbls  
Avg TP: 1939 Avg Rate: 24.8 Total Prop pmpd: 77,698#'s  
ISIP: 2122 5 min: 10 min: FG: .90

Completion Supervisor: Ron Shuck

DAILY COST: \$41,467  
TOTAL WELL COST: \$455,024



7 of 9

## DAILY COMPLETION REPORT

**WELL NAME:** Federal 3-20-9-16      **Report Date:** 8-9-07      **Day:** 3  
**Operation:** Completion      **Rig:** NC#1

### WELL STATUS

**Surf Csg:** 8-5/8' @ 316'      **Prod Csg:** 5-1/2" @ 5976'      **Csg PBTD:** 5912'  
**Tbg:** **Size:** 2 7/8"    **Wt:** 6.5#    **Grd:** J-55    **Pkr/EOT @:** 5764'    **BP/Sand PBTD:** 5912'  
**plug** 5383' 5200'

### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4576-4590'	4/56			
D2 sds	4654-4661'	4/28			
LODC sds	5119-5132'	4/52			
LODC sds	5273-5281'	4/32			
CP1 sds	5510-5520'	4/40			

### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 08-Aug-07      **SITP:** \_\_\_\_\_    **SICP:** \_\_\_\_\_

6:30AM MIRU NC#1, N/D 10,000 BOP & Frac HD, N/U 3,000 Flng & 5,000 BOP, P/U & RIH W/-4 3/4 Bit & Bit Sub, 147 Jts Tbg To Plg @ 4615', R/U Nabors Pwr Swvl, Drill Up Plg, Swvl I/Hle To Plg @ 4760', Drill Up Plg, Swvl I/Hle To Plg @ 5200', Drill Up Plg, Swvl I/Hle To Plg @ 5383', Drill Up Plg, Swvl I/Hle To Fill @ 5836', C/Out To PBTD @ 5912' Curc Well Clean 30 Min, R/D Swvl, POOH W/-5 Jts Tbg, EOB @ 5764', Pour Rope Socket For S/Line, SWI, 6:30PM C/SDFN. 128 Bbls Wtr Loss For Day.

### FLUID RECOVERY (BBLs)

**Starting fluid load to be recovered:** 2000      **Starting oil rec to date:** \_\_\_\_\_  
**Fluid lost/recovered today:** 128      **Oil lost/recovered today:** \_\_\_\_\_  
**Ending fluid to be recovered:** 2128      **Cum oil recovered:** \_\_\_\_\_  
**IFL:** \_\_\_\_\_    **FFL:** \_\_\_\_\_    **FTP:** \_\_\_\_\_    **Choke:** \_\_\_\_\_    **Final Fluid Rate:** \_\_\_\_\_    **Final oil cut:** \_\_\_\_\_

#### TUBING DETAIL

#### ROD DETAIL

#### COSTS

		NC#1	\$5,787
		NPC Supervision	\$300
		Weatherford BOP	\$225
		ZHO Trucking	\$1,000
		B&L J-55 Tbg	\$28,606
		NDSI Wtr Truck	\$400
		Unichem	\$400
		Monks Pit Reclaim	\$1,800
		NPC Sfc Eq	\$130,000
		Welding / Labor	\$19,500
		NDSI Wtr Disposal	\$3,000
		NPC Trucking	\$900
		Nabors Pwr Swvl	\$850
		<b>DAILY COST:</b>	<u>\$192,768</u>
		<b>TOTAL WELL COST:</b>	<u>\$647,792</u>

**Completion Supervisor:** Duane Freston.



ATTACHMENT G-1  
8 of 9

DAILY COMPLETION REPORT

WELL NAME: Federal 3-20-9-16 Report Date: 8-10-07 Day: 4  
Operation: Completion Rig: NC#1

WELL STATUS

Surf Csg: 8-5/8' @ 316' Prod Csg: 5-1/2" @ 5976' Csg PBTD: 5912'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5585' BP/Sand PBTD: 5912'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D1 sds	4576-4590'	4/56			
D2 sds	4654-4661'	4/28			
LODC sds	5119-5132'	4/52			
LODC sds	5273-5281'	4/32			
CP1 sds	5510-5520'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 09-Aug-07 SITP: SICP:

6:30AM OWU, RIH W/-Swab, IFL @ Surf, Made 12 Swab Runs, Recvrd 142 Bbls Wtr, Lite Trce Oil, Lite Trce Sanc FFL @ 1200', RIH W/-Tbg To Fill @ 5908', C/Out To PBTD @ 5912', Curc Well Clean, POOH W/-188 Jts Tbg, Bit Suk & Bit. P/U & RIH W/- N/C, 2 Jts Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 174 Jts Tbg, N/D BOP, Set T/A In 15,000 Tension, N/L W/-HD, R/U R/pmp, Fish Tbg W/-60 Bbls Wtr, SWI, 6:30 PM C/SDFN. Lost 40 Bbls Wtr On Curc Out @ PBTD, Tota Wtr Recvry For Day = 102 Bbls.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2128 Starting oil rec to date:  
Fluid lost/recovered today: Oil lost/recovered today:  
Ending fluid to be recovered: 2128 Cum oil recovered:  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

TUBING DETAIL

ROD DETAIL

COSTS

KB = 12.0		NC#1	\$5,513
174 Jts Tbg = 5474.48		NPC Supervision	\$300
T/A = 2.80 @ 5486.48 KB		Weatherford BOP	\$225
1 Jt Tbg = 31.43		NPC Location Cln Up	\$300
S/N = 1.10 @ 5520.71 KB		CDI-pmp-T/A-S/N	\$2,055
2 Jts Tbg = 62.70		Mtn West Sanitation	\$600
N/C = .45 @ 5584.96 KB		NPC Trucking	\$300
		New Wash Rubber	\$475

DAILY COST: \$9,768

TOTAL WELL COST: \$657,560

Completion Supervisor: Duane Freston.



## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4526'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 157' balance plug using 19 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. Perforate 4 JSPF @ 357'
6. Plug #4 Circulate 103 sx Class "G" cement down 5 1/2" and up the 5 1/2" x 8 5/8" annulus

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

## Federal 3-20-9-16

Spud Date: 5-23-07  
 Put on Production: 8-10-07  
 GL: 6063' KB: 6075'

Initial Production: BOPD,  
 MCFD, BWPD

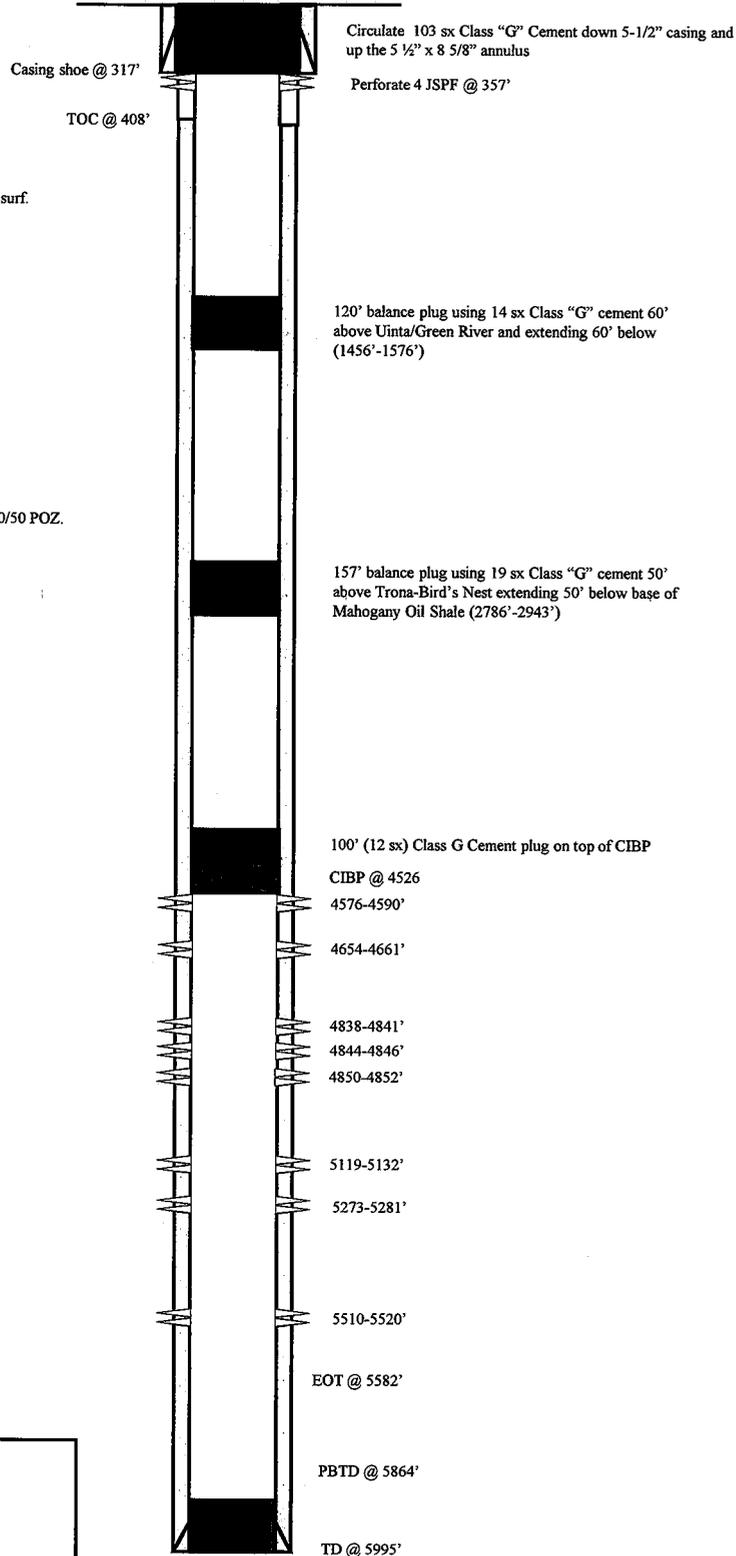
### Proposed P & A Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (304.72')  
 DEPTH LANDED: 316.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 156 jts. (5962.76')  
 DEPTH LANDED: 5976.01' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 408'



**NEWFIELD**

**Federal 3-20-9-16**

785' FNL & 1826' FWL

NE/NW Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33067; Lease # UTU-52018

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> 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:

- Monument Federal 22-12J well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15796
- Federal 5-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32658
- Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
API 43-013-33136
- Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33030
- Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33062
- Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33174
- Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066
- Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33067
- Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33104
- Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33068
- Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33145
- Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-31726
- Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-32612
- Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33027
- Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

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

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

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

Dated this 22<sup>nd</sup> day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



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Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 22-12J, FEDERAL 5-13-9-16, FEDERAL 13-15-9-16, FEDERAL 7-17-9-16, FEDERAL 1-19-9-16, FEDERAL 5-19-9-16, FEDERAL 1-20-9-16, FEDERAL 3-20-9-16, FEDERAL 5-20-9-16, FEDERAL 9-20-9-16, FEDERAL 9-21-9-16, MONUMENT FEDERAL 31-21-9-16Y, FEDERAL 1-22-9-16, FEDERAL 7-22-9-16, FEDERAL 3-23-9-16, FEDERAL 11-23-9-16, FEDERAL 15-23-9-16, FEDERAL 3-24-9-16, FEDERAL 15-24-9-16, FEDERAL 21-25Y**

**Cause No. UIC-392**

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 S 200 E  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

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

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto: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 S 500 E  
Vernal, UT 84078

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



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 22, 2012

Via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

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](mailto: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 - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 5/23/2012 3:07 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

---

On 5/22/2012 2:09 PM, 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](mailto: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 Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

It will be in the May 29 edition.  
Thank you.  
Cindy



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 22, 2012

Via e-mail [naclegal@mediaoneutah.com](mailto: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-392

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](mailto: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



**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/22/2012 2:32 PM  
**Subject:** Proof for Notice of Agency Action  
**Attachments:** OrderConf.pdf

AD# 794885  
Run SL Trib 5/25/12  
Cost \$331.25  
Please advise of any changes  
Thank You  
Ken

### Order Confirmation for Ad #0000794885-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	[REDACTED]	<b>Payor Account</b>	[REDACTED]
<b>Address</b>	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>EMail</b>	earlenerussell@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$331.25</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$331.25</b>	<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
		0	0	1
<b>Payment Method</b>		<u>PO Number</u>	Newfield Prod UIC-392	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			

<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>
Legal Liner	3.0 X 87 Li	<NONE>

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/25/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/25/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
utahlegals.com::	utahlegals.com	utahlegals.com
<b>Scheduled Date(s):</b>	05/25/2012	

### Order Confirmation for Ad #0000794885-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000794885-01

Ad Content Proof 135%

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:

Monument Federal 22-12J well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East

API 43-013-15796

Federal 5-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East

API 43-013-32658

Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East

API 43-013-33136

Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33030

Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33062

Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33174

Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33066

Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33067

Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33104

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

API 43-013-33068

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

API 43-013-33145

Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-31726

Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32612

Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33027

Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33178

Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33182

Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33084

Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33344

Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East

API 43-013-31394

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

Selected zones in the Greer 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 22nd day of May, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/Brad Hill

Permitting Manager

794885

UPAXLP

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

**Applicant:** Newfield Production Company      **Well:** Federal 3-20-9-16

**Location:** 20/9S/16E      **API:** 43-013-33067

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

**Well Integrity:** The proposed well has surface casing set at 317 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,976 feet. A cement bond log demonstrates adequate bond in this well up to about 3,070 feet. A 2 7/8 inch tubing with a packer will be set at 4,526 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells, 2 new injection wells (as of June 2012), 2 shut-in wells, 1 temporarily abandoned well, and 1 P/A well in the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,895 feet and 5,864 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 3-20-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,730 psig. The requested maximum pressure is 1,730 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 3-20-9-16**  
**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: 7/12/2012



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

July 19, 2012

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

Subject: Greater Monument Butte Unit Well: Federal 3-20-9-16, Section 20, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33067

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,895 feet in the Federal 3-20-9-16 well.

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

Sincerely,

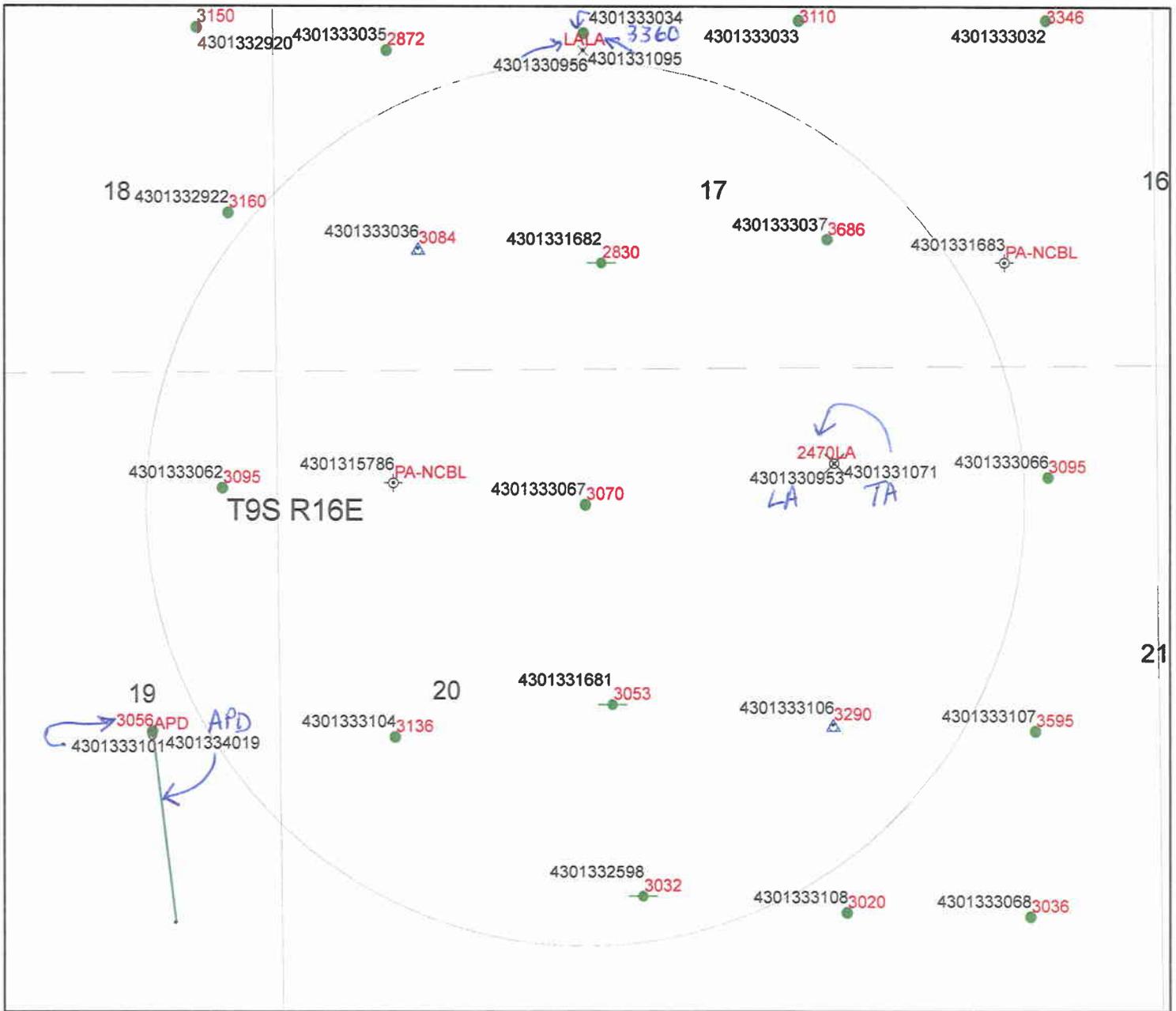
John Rogers  
Associate Director

JR/MLR/js

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

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





Cement Bond Tops  
 FEDERAL 3-20-9-16  
 API #43-013-33067  
 UIC 392.8

### Legend

- |   |                                       |
|---|---------------------------------------|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_82 | PGW                                   |
| SGID93_ENERGY_DNROilGasWells              | POW                                   |
| <b>SGID93.ENERGY.DNROilGasWells</b>       | RET                                   |
| <b>GIS_STAT_TYPE</b>                      | SGW                                   |
| APD                                       | SOW                                   |
| DRL                                       | TA                                    |
| GIW                                       | TW                                    |
| GSW                                       | WDW                                   |
| LA  | MIW                                   |
| LOC                                       | WSW                                   |
| OPS                                       | SGID93.BOUNDARIES.Counties            |
| PA  | SGID93.ENERGY.DNROilGasWells_HDBottom |
|   | SGID93.ENERGY.DNROilGasWells_HDPath   |
|   | Wells-CbitopsMaster07_06_12           |



1870calc = approx cement top calculated from well completion report

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-52018
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
--	---

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 3-20-9-16
------------------------------------	--

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013330670000
--	---

<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
--	--

<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 0785 FNL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 20 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
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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: 8/17/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 08/15/2012. On 08/15/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test.

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

**Date:** August 28, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/20/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: \_\_\_\_\_ Date 8/17/12 Time 9:00 AM am pm

Test Conducted by: Kody Olson

Others Present: \_\_\_\_\_

Well: <u>FEDERAL 3-20-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/NW SEC. 20, T9S, R16E</u>	API No: <u>43-013-33067</u>
<u>DUCHESNE COUNTY, UT</u>	<u>UTU 87538X</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1400</u>	psig
25	<u>1400</u>	psig
30 min	<u>1400</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

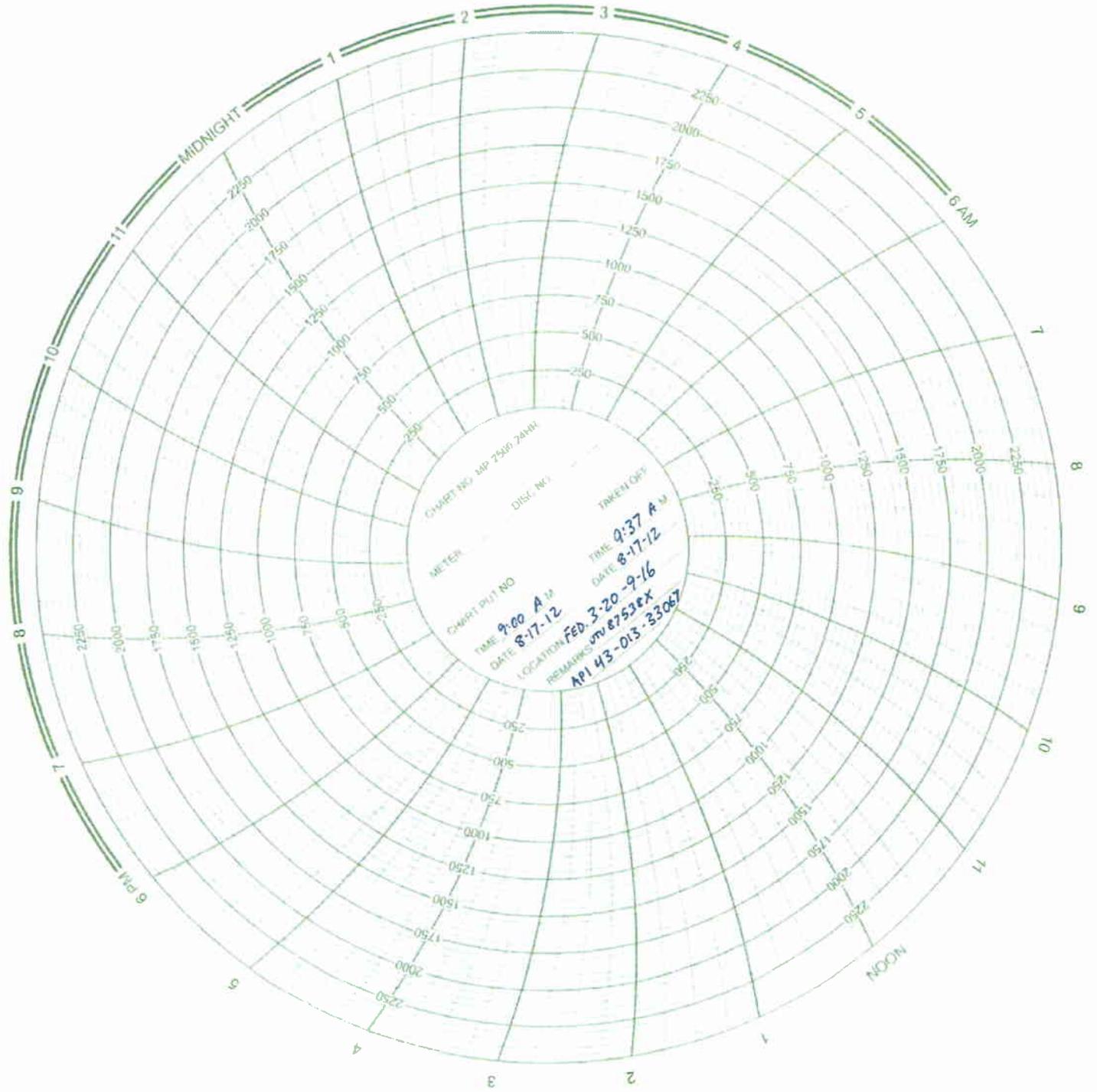
Tubing pressure: 480 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: [Signature]

Sundry Number: 29082 API Well Number: 43013330670000



## Daily Activity Report

Format For Sundry  
**FEDERAL 3-20-9-16**  
**6/1/2012 To 10/30/2012**

**8/13/2012 Day: 1**

**Conversion**

NC #3 on 8/13/2012 - MIRU NC#3, R/D Unit, Soft Seat Tst To 3500(Good Tst). L/D Rod String - 12:00PM, 1 Mile Rig Move, MIRU NC#3, R/D Unit, R/U Hot Oiler, Pmp 30BW Down Csg, Flush Tbg W/ 40BW @ 250\*, Soft Seat Pmp & Psr Tst Tbg To 3500psi, Tst Good, R/U Rod Eqp & L/D Rod, L/D Polish Rod, 2', 4', & 8' 3/4 Ponys, 99 3/4 4 Pers, 94 3/4 Slicks, 20 3/4 4 Pers, & 6 Wt Bars W/ 5 Stabilizers Between, Flush W/ 20BW To Clean Rods, SWI, 6:30PM CSDFN, 6:30PM-7:00PM C/Tvl - 12:00PM, 1 Mile Rig Move, MIRU NC#3, R/D Unit, R/U Hot Oiler, Pmp 30BW Down Csg, Flush Tbg W/ 40BW @ 250\*, Soft Seat Pmp & Psr Tst Tbg To 3500psi, Tst Good, R/U Rod Eqp & L/D Rod, L/D Polish Rod, 2', 4', & 8' 3/4 Ponys, 99 3/4 4 Pers, 94 3/4 Slicks, 20 3/4 4 Pers, & 6 Wt Bars W/ 5 Stabilizers Between, Flush W/ 20BW To Clean Rods, SWI, 6:30PM CSDFN, 6:30PM-7:00PM C/Tvl - 12:00PM, 1 Mile Rig Move, MIRU NC#3, R/D Unit, R/U Hot Oiler, Pmp 30BW Down Csg, Flush Tbg W/ 40BW @ 250\*, Soft Seat Pmp & Psr Tst Tbg To 3500psi, Tst Good, R/U Rod Eqp & L/D Rod, L/D Polish Rod, 2', 4', & 8' 3/4 Ponys, 99 3/4 4 Pers, 94 3/4 Slicks, 20 3/4 4 Pers, & 6 Wt Bars W/ 5 Stabilizers Between, Flush W/ 20BW To Clean Rods, SWI, 6:30PM CSDFN, 6:30PM-7:00PM C/Tvl **Finalized**

**Daily Cost: \$0**

**Cumulative Cost: \$4,875**

**8/14/2012 Day: 2**

**Conversion**

NC #3 on 8/14/2012 - RU tbg eq., TOH w/ tbg. - X-over to tbg eq. Unset TA. RU rig floor. Flush tbg w/ 20 bbls water @ 250. TOH w/ 144- jts tbg, breaking collars & applying liquid teflon dope. Flush tbg w/ 20bbls water @ 250. Cont. to TOH w/ tbg, breaking collars & applying liquid teflon dope. Pump down csg w/ 20 bbls water @ 250 to clean outside of pipe. LD 33- jts 2 7/8 tbg. PU TIH w/ guide collar, xn nipple, 4' 2/38 tbg sub, xo, pkr, on/off sn, 144- jts 2 7/8 tbg. Drop STD. Fill tbg w/ 30 bbls water. Pressure test tbg to 3000 psi. Pressure dropped 50 psi in an hour. Leave pressure on tbg over night. SDFD. - X-over to tbg eq. Unset TA. RU rig floor. Flush tbg w/ 20 bbls water @ 250. TOH w/ 144- jts tbg, breaking collars & applying liquid teflon dope. Flush tbg w/ 20bbls water @ 250. Cont. to TOH w/ tbg, breaking collars & applying liquid teflon dope. Pump down csg w/ 20 bbls water @ 250 to clean outside of pipe. LD 33- jts 2 7/8 tbg. PU TIH w/ guide collar, xn nipple, 4' 2/38 tbg sub, xo, pkr, on/off sn, 144- jts 2 7/8 tbg. Drop STD. Fill tbg w/ 30 bbls water. Pressure test tbg to 3000 psi. Pressure dropped 50 psi in an hour. Leave pressure on tbg over night. SDFD. - X-over to tbg eq. Unset TA. RU rig floor. Flush tbg w/ 20 bbls water @ 250. TOH w/ 144- jts tbg, breaking collars & applying liquid teflon dope. Flush tbg w/ 20bbls water @ 250. Cont. to TOH w/ tbg, breaking collars & applying liquid teflon dope. Pump down csg w/ 20 bbls water @ 250 to clean outside of pipe. LD 33- jts 2 7/8 tbg. PU TIH w/ guide collar, xn nipple, 4' 2/38 tbg sub, xo, pkr, on/off sn, 144- jts 2 7/8 tbg. Drop STD. Fill tbg w/ 30 bbls water. Pressure test tbg to 3000 psi. Pressure dropped 50 psi in an hour. Leave pressure on tbg over night. SDFD.

**Finalized**

**Daily Cost: \$0**

**Cumulative Cost: \$105,863**

**8/15/2012 Day: 3**

**Conversion**

NC #3 on 8/15/2012 - RD rig floor, pressure test csg. - Pressure dropped to 2700 psi. Pumped tbg up to 3000 psi. Test held for 1 hour. RIH w/ sandline & retrieved STD. RD rig

floor. ND bops. Set pkr w/ 1800 tension, CE @ 4547.8'. Fill csg w/ 45 bbls water w/ pkr fluid. Pressured csg to 1500 psi. Pressure dropped 100 psi in an hour. Pumped up csg to 1500 psi. Test held for 1 hour. X-over to rod eq. RDMOSU. READY FOR MIT!! - Pressure dropped to 2700 psi. Pumped tbg up to 3000 psi. Test held for 1 hour. RIH w/ sandline & retrieved STD. RD rig floor. ND bops. Set pkr w/ 1800 tension, CE @ 4547.8'. Fill csg w/ 45 bbls water w/ pkr fluid. Pressured csg to 1500 psi. Pressure dropped 100 psi in an hour. Pumped up csg to 1500 psi. Test held for 1 hour. X-over to rod eq. RDMOSU. READY FOR MIT!! - Pressure dropped to 2700 psi. Pumped tbg up to 3000 psi. Test held for 1 hour. RIH w/ sandline & retrieved STD. RD rig floor. ND bops. Set pkr w/ 1800 tension, CE @ 4547.8'. Fill csg w/ 45 bbls water w/ pkr fluid. Pressured csg to 1500 psi. Pressure dropped 100 psi in an hour. Pumped up csg to 1500 psi. Test held for 1 hour. X-over to rod eq. RDMOSU. READY FOR MIT!! **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$109,896

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**8/20/2012 Day: 4**

**Conversion**

Rigless on 8/20/2012 - Conduct initial MIT - On 08/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test. - On 08/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test. - On 08/13/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/17/2012 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 480 psig during the test. There was not a State representative available to witness the test. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$141,166

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**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 3-20-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330670000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0785 FNL 1826 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 20 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/5/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text" value="Put on Injection"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 The above reference well was put on injection at 9:20 AM on 09/05/2012.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/5/2012	

# Federal 3-20-9-16

Spud Date: 5-23-07

Put on Production: 8-10-07

GL: 6063' KB: 6075'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (304.72')

DEPTH LANDED: 316.57' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 156 jts (5962.76')

DEPTH LANDED: 5976.01' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP AT: 408'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 144 jts (4529.6')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4541.6' KB

ON/OFF TOOL AT: 4542.7'

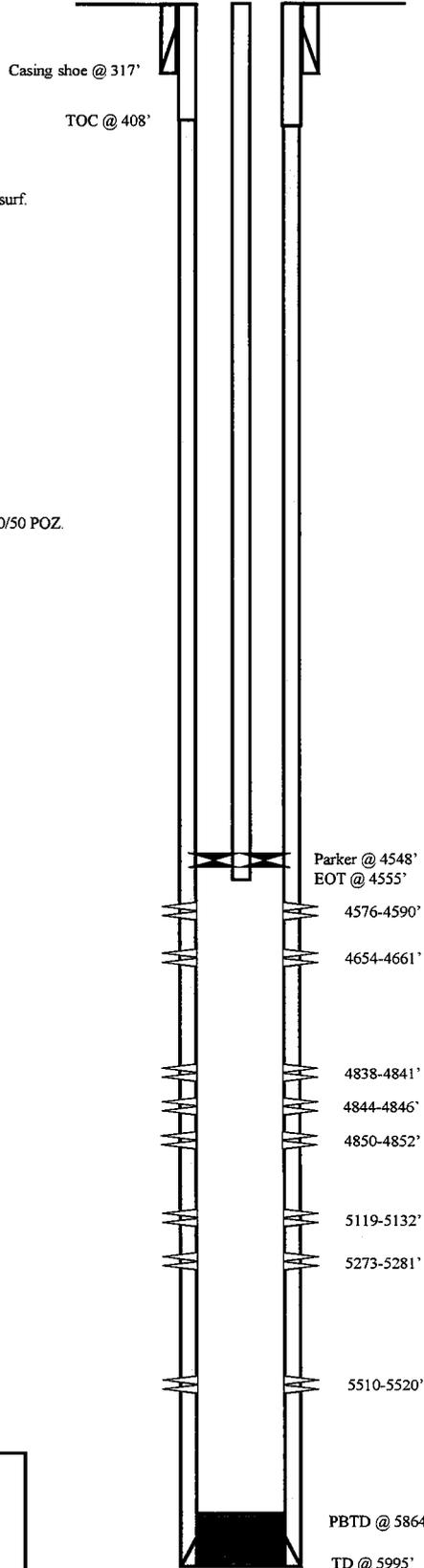
PACKER CE @ 4547.8'

XO AT: 4548.9'

TBG PUP 2-3/8" J-55 AT: 4549.4'

XN NIPPLE AT: 4553.6'

TOTAL STRING LENGTH: EOT @ 4555' KB



### FRAC JOB

08-07-07	5510-5520'	<b>Frac CP1 sands as follows:</b> 28247# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2334 psi w/avg rate of 24.8 BPM. ISIP 2280 psi. Calc flush: 5508 gal. Actual flush: 5040 gal.
08-07-07	5273-5281'	<b>Frac LODC sands as follows:</b> 14530# 20/40 sand in 286 bbls Lightning 17 frac fluid. Treated @ avg press of 2660 psi w/avg rate of 24.8 BPM. ISIP 2050 psi. Calc flush: 5271 gal. Actual flush: 4788 gal.
08-07-07	5119-5132'	<b>Frac LODC sands as follows:</b> 45312# 20/40 sand in 447 bbls Lightning 17 frac fluid. Treated @ avg press of 2162 psi w/avg rate of 26.2 BPM. ISIP 1900 psi. Calc flush: 5117 gal. Actual flush: 4578 gal.
08-07-07	4654-4661'	<b>Frac D2 sand as follows:</b> 25097# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 1686 w/ avg rate of 24.8 BPM. ISIP 1760 psi. Calc flush: 4652 gal. Actual flush: 4200 gal.
08-07-07	4576-4590'	<b>Frac D1 sand as follows:</b> 77698# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 1939 w/ avg rate of 24.8 BPM. ISIP 2122 psi. Calc flush: 4574 gal. Actual flush: 4536 gal.
08/16/07		<b>Pump Change.</b> Rod & Tubing detail updated.
12/30/08		<b>Pump Change.</b> Updated r & t details.
8/20/09		<b>Pump Maintenance.</b> Updated rod & tubing detail.
11-09-10	4838-4852'	<b>Frac B2 sands as follows:</b> 48449# 20/40 sand in 430 bbls Lightning 17 fluid.
11-11-10		<b>Re-Completion</b> – updated details
08/15/12		<b>Convert to Injection Well</b>
08/17/12		<b>Conversion MIT Finalized</b> – update tbg detail

### PERFORATION RECORD

08-01-07	5510-5520'	4 JSPF	40 holes
08-07-07	5273-5281'	4 JSPF	32 holes
08-07-07	5119-5132'	4 JSPF	52 holes
08-07-07	4654-4661'	4 JSPF	28 holes
08-07-07	4576-4590'	4 JSPF	56 holes
11-09-10	4850-4852'	3 JSPF	6 holes
11-09-10	4844-4846'	3 JSPF	6 holes
11-09-10	4838-4841'	3 JSPF	9 holes

**NEWFIELD**



**Federal 3-20-9-16**

785' FNL & 1826' FWL

NE/NW Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33067; Lease # UTU-52018



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

## UNDERGROUND INJECTION CONTROL PERMIT

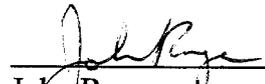
Cause No. UIC-392

**Operator:** Newfield Production Company  
**Well:** Federal 3-20-9-16  
**Location:** Section 20, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-33067  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 19, 2012.
2. Maximum Allowable Injection Pressure: 1,730 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,895' – 5,864')
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

8-29-2012  
Date

JR/MLR/js

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

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



1770 S. 5600 W.  
 P.O. BOX 704005  
 WEST VALLEY CITY, UTAH 84170  
 FED. TAX I.D.# 87-0217663

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,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/25/2012

RECEIVED  
 JUN 04 2012  
 DIV OF OIL GAS & MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING  
 DEPARTMENT OF NATURAL RESOURCES  
 STATE OF UTAH  
 NOTICE OF AGENCY ACTION  
 CAUSE NO. UIC-392

43 013 32567  
 Federal 3-20-9-16  
 OS 16E 20

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER#
8015385340	0000794885
SCHEDULE	
Start 05/25/2012	End 05/25/2012
CUST. REF. NO.	
Newfield Prod UIC-392	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
87 Lines	3.00
TIMES	
3	
MISC. CHARGES	AD
AFFIDAVIT OF PUBLICATION	

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Greater Monument Butte Unit:  
 Monument Federal 22-12J well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
 API 43-013-15796  
 Federal 5-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
 API 43-013-32658  
 Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
 API 43-013-33136  
 Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
 API 43-013-33030  
 Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33062  
 Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
 API 43-013-33174  
 Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33066  
 Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33067  
 Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33104  
 Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
 API 43-013-33068  
 Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-33145  
 Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East  
 API 43-013-31726  
 Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-32612  
 Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
 API 43-013-33027  
 Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33176  
 Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33178  
 Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
 API 43-013-33182  
 Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33094  
 Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
 API 43-013-33344  
 Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
 API 43-013-31394

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) 538-2340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how the matter affects their interests.

Dated this 22nd day of May, 2012.

STATE OF UTAH  
 DIVISION OF OIL, GAS & MINING  
 /s/Brad Hill  
 Permitting Manager  
 794885

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, LLC  
 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES  
 CAUSE NO. UIC-392 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING  
 COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS  
 ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, UTAH  
 NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 05/25/2012 End 05/25/2012

SIGNATURE *Brad Hill*

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

*Virginia Craft*

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

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066

Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	30968	Invoice Date	5/30/2012
Advertiser No.	2080	Invoice Amount	\$191.45
		Due Date	6/29/2012

DIVISION OF OIL GAS & MINING  
 Rose Nolton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

RECEIVED  
 JUN 05 2012  
 DIV OF OIL GAS & MINING

1 1/2% fee will be charged to all past due balances.

Amount Enclosed

Please detach top portion and return with your payment.

**INVOICE**

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 30968

5/30/2012

Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
5/30/2012	15615	UBS UBS Legal Notice: Not of Agcy Actn: Newfield Cause No. UIC-392 Pub. May 29, 2012				\$191.45

Sub Total: \$191.45

Total Transactions: 1 Total: \$191.45

**SUMMARY** Advertiser No. 2080 Invoice No. 30968

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

