

NEWFIELD



January 23, 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: 1-17-9-16, 2-17-9-16, 7-17-9-16, 8-17-9-16,
9-17-9-16, 10-17-9-16, 11-17-9-16, 12-17-9-16, 13-17-9-16, and 15-17-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in black ink that reads "Mandie Crozier". The signature is written in a cursive, flowing style.

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

JAN 24 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.
UTU-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 10-17-9-16

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NW/SE 2102' FSL 2117' FEL 573322X 40.029394
At proposed prod. zone 4431163Y 110.146682

9. API Well No. 43-013-3 3033

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
NW/SE Sec. 17, T9S R16E

14. Distance in miles and direction from nearest town or post office*
Approximatley 15.9 miles southwest of Myton, Utah

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 538' f/lse, NA' f/unit
640.00

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. 1389'

19. Proposed Depth
6060'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5995' GL

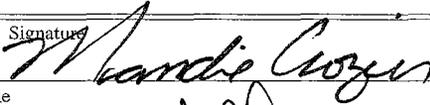
22. Approximate date work will start*
1st Quarter 2006

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

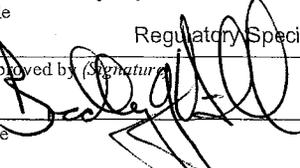
24. Attachments

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

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

25. Signature  Name (Printed/Typed) Mandie Crozier Date 1/23/06

Title Regulatory Specialist

Approved by  Name (Printed/Typed) BRADLEY G. HILL Date 01-26-06

Title ENVIRONMENTAL SCIENTIST III

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

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

*(Instructions on reverse)

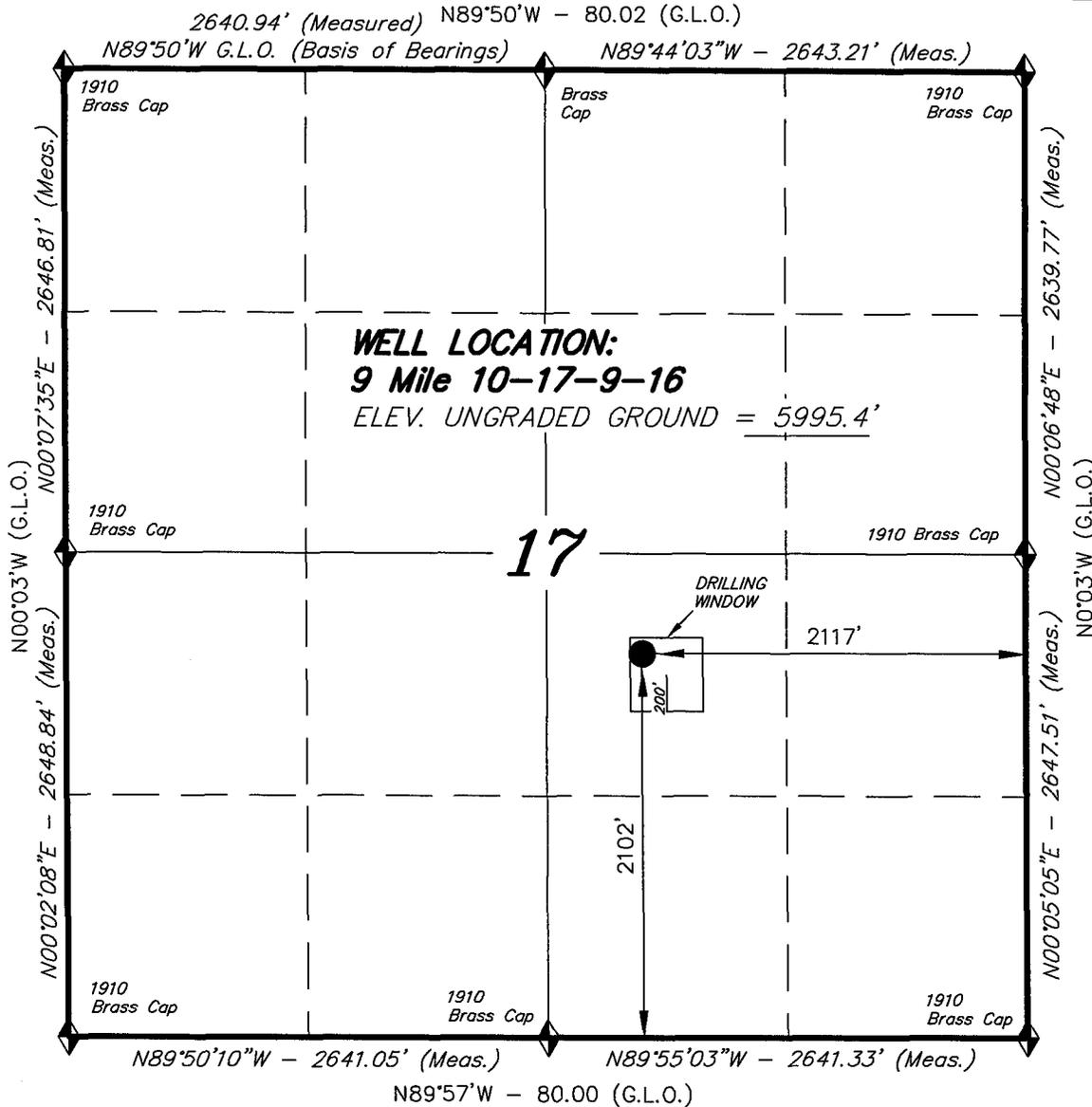
RECEIVED

JAN 24, 2006

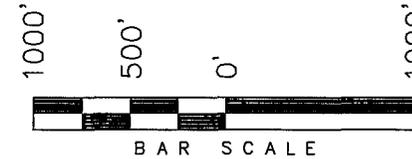
Federal Approval of this
Action Is Necessary

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

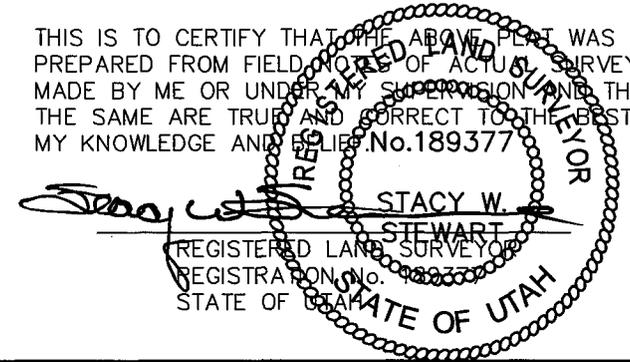
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 Mile 10-17-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 SE
 1/4 OF SECTION 17, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

9 Mile 10-17-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 45.85"
 LONGITUDE = 110° 08' 28.79"

TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 12-12-05	SURVEYED BY: C.M.
DATE DRAWN: 12-28-05	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
FEDERAL #10-17-9-16
NW/SE SECTION 17, 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' - 2620'
Green River	2620'
Wasatch	6060'

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

Green River Formation 2620' - 6060' - 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 #10-17-9-16
NW/SE SECTION 17, 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 #10-17-9-16 located in the NW 1/4 SE 1/4 Section 17, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 1.5 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 0.3 miles \pm to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 3220' \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. Arch Report #1030-01, 4/23/98. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #10-17-9-16 Newfield Production Company requests 3220' 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 3220' of disturbed area be granted in Lease UTU-~~52018~~ 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.

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

Sage Grouse: If new construction or surface disturbing activities are scheduled to occur between March 1 and June 30, detailed surveys of the area within 0.5 mile of the proposed location must be conducted to detect the presence of sage grouse. 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. 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.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

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

Details of the On-Site Inspection

The proposed Federal #10-17-9-16 was on-sited on 11/3/05. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), and Amy Torres (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open..

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

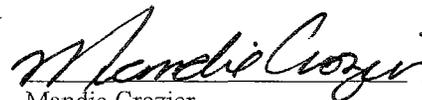
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #10-17-9-16 NW/SE Section 17, 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.

1/23/06

Date

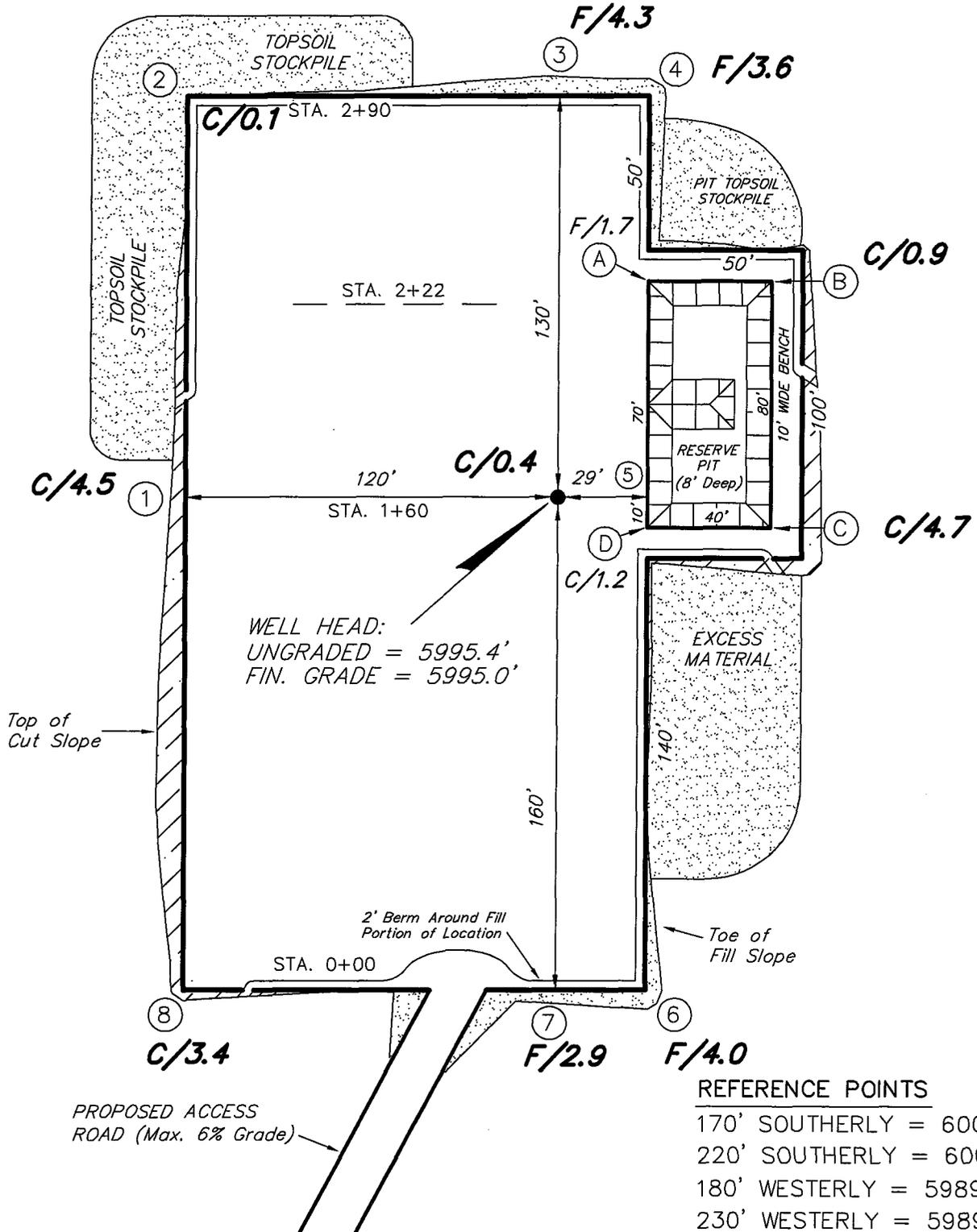


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 10-17-9-16

Section 17, T9S, R16E, S.L.B.&M.



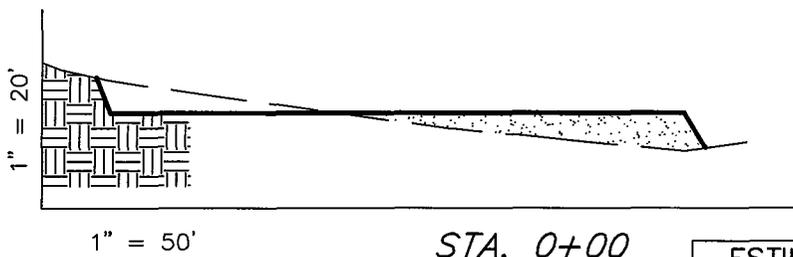
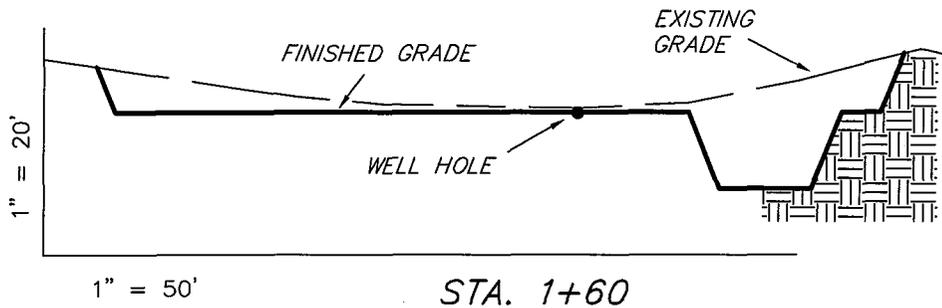
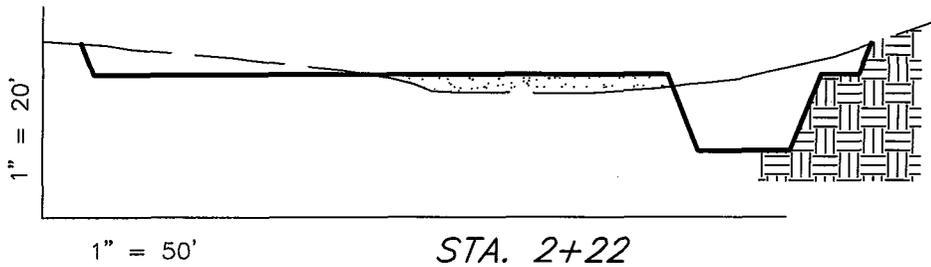
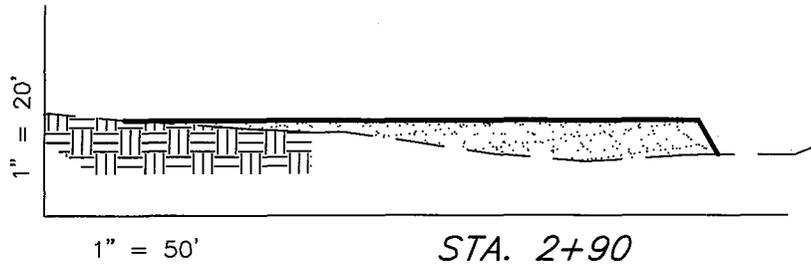
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: M.W.	DATE: 12-28-2005

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 10-17-9-16



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
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	1,820	1,560	Topsoil is not included in Pad Cut	260
PIT	640	0		640
TOTALS	2,460	1,560	890	900

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

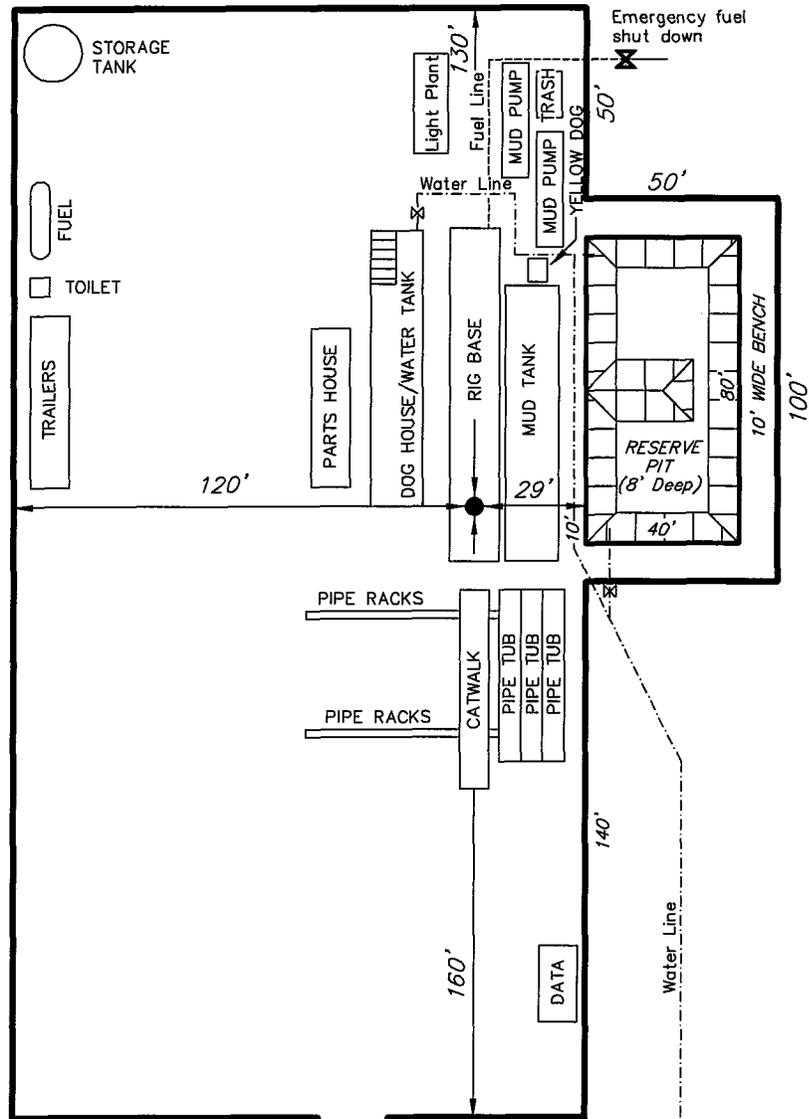
DATE: 12-28-2005

Tri State
Land Surveying, Inc.

(435) 781-2501

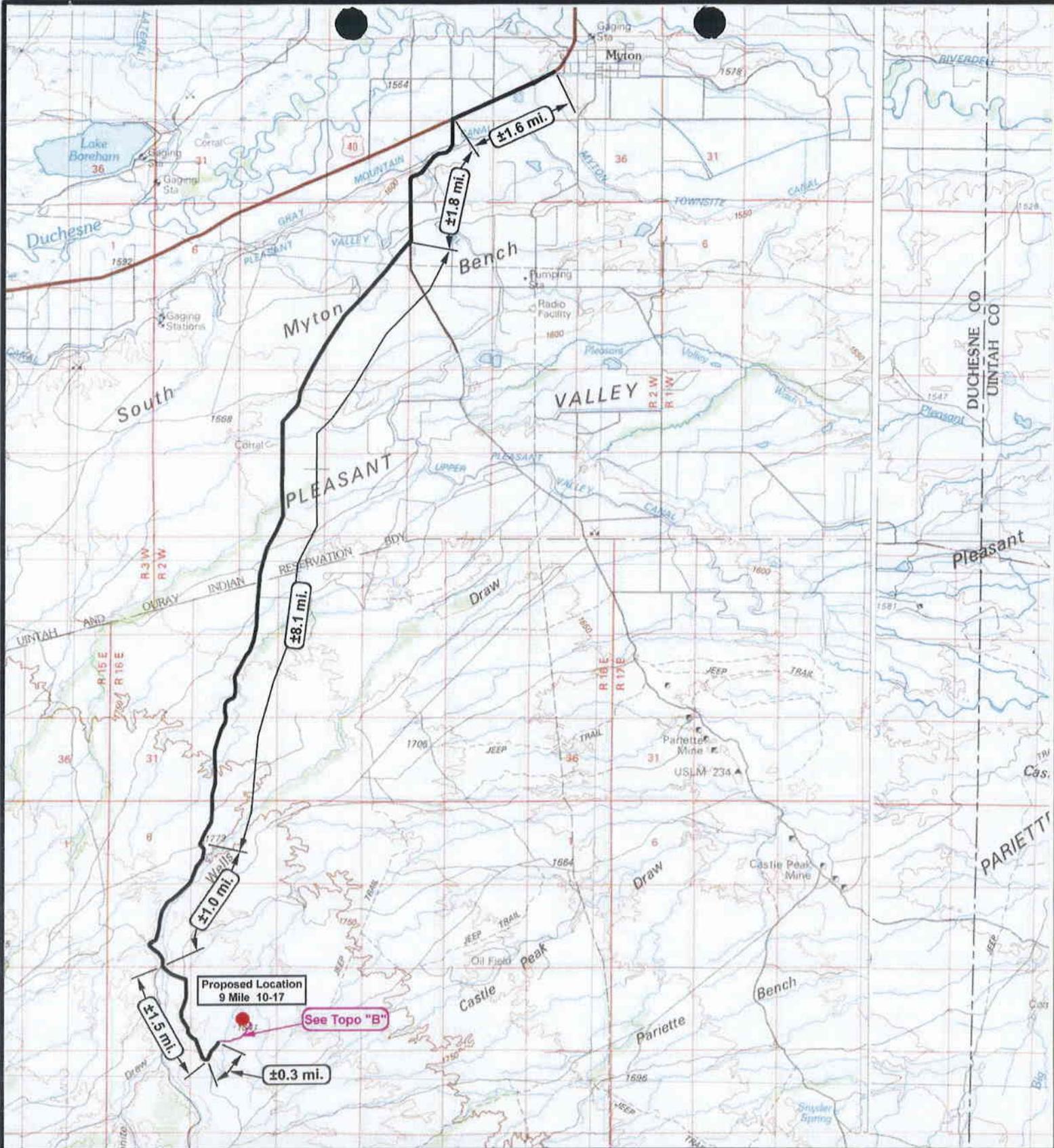
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
9 MILE 10-17-9-16



PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: C.M.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: M.W.	DATE: 12-28-2005	



NEWFIELD
Exploration Company

9 Mile 10-17-9-16
SEC. 17, 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: 12-28-2005

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"

J-74826

U-30096

U-034217A

UTU-73087

UTU-73086

Myton ±12.5 mi.

U-020255

U-020254

UTU-74390

UTU-79833

UTU-64379

±1.5 mi.

Proposed Location
9 Mile 10-17

± 590'

± 870'

± 1,760'

UTU-64379

U-52018

±0.3 mi.



NEWFIELD
Exploration Company

9 Mile 10-17-9-16
SEC. 17, 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: 12-28-2005

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"B"

J-74826

U-30090

U-034217A

UTU-73087

UTU-73086

U-020255

UTU-74390

UTU-79833

UTU-64379

UTU-64379

Proposed Location
9 Mile 10-17

Tie in at Existing
Gas Pipeline

± 590'

± 870'

± 1,760'



NEWFIELD
Exploration Company

9 Mile 10-17-9-16
SEC. 17, 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: 12-28-2005

Legend

- Roads
- Proposed Gas Line

TOPOGRAPHIC MAP

"C"

2-M SYSTEM

Blowout Prevention Equipment Systems

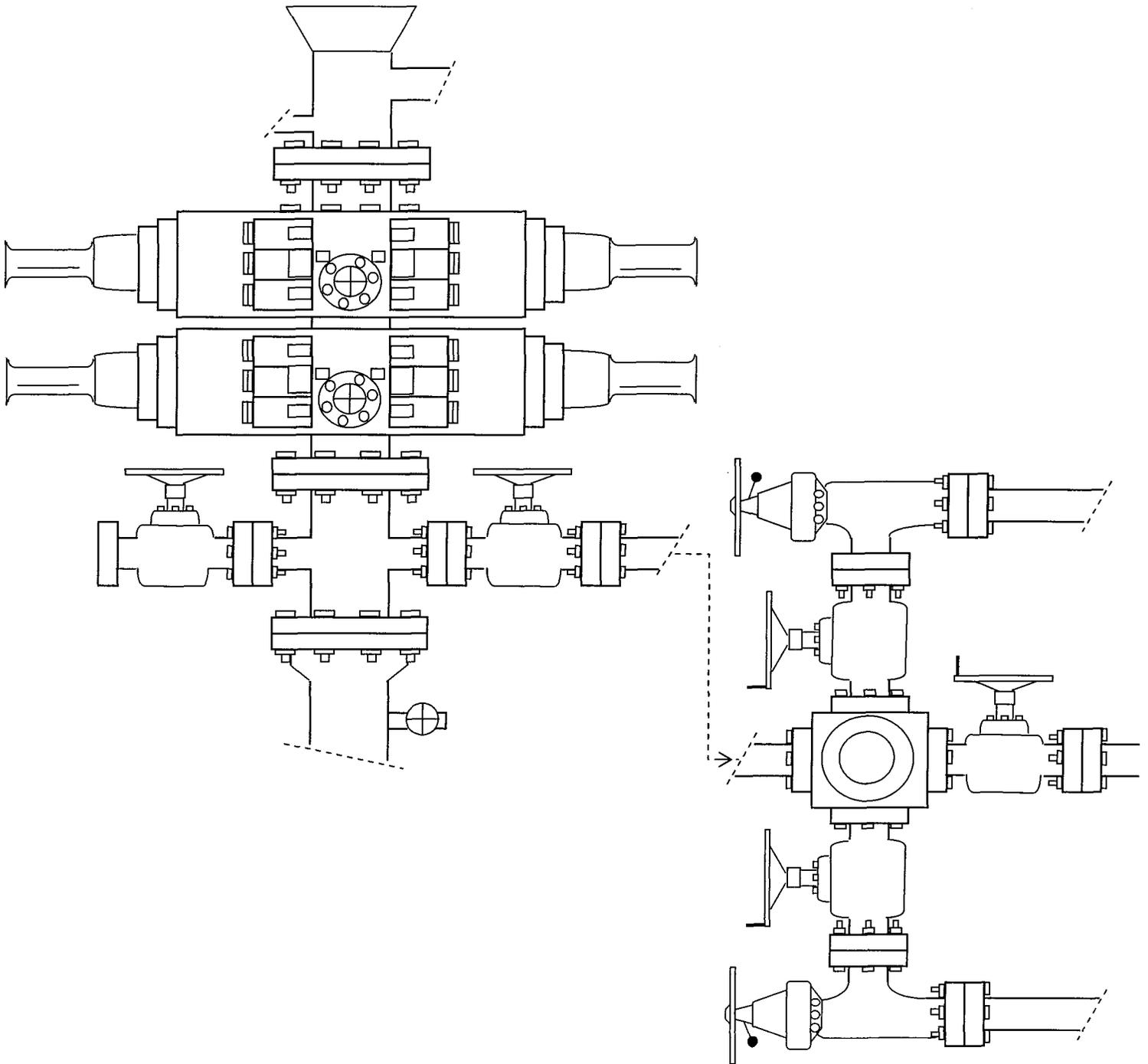


EXHIBIT C

A CULTURAL RESOURCE SURVEY OF THE SOUTH WELLS DRAW UNIT,

DUCHESNE COUNTY, UTAH

by

Ann Polk
and
Danielle Diamond

Prepared for:

Inland Production Company
P.O. Box 790233
Vernal, Utah 84079-0233

Prepared by:

Sagebrush Consultants, L.L.C.
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 97-UT-54630

and

Utah State Antiquities Permit No. U-97-SJ-0780b.

Archaeological Report No. 1030-01

April 23, 1998

NEWFIELD PRODUCTION COMPANY

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

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

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/24/2006

API NO. ASSIGNED: 43-013-33033

WELL NAME: FEDERAL 10-17-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSE 17 090S 160E
 SURFACE: 2102 FSL 2117 FEL
 BOTTOM: 2102 FSL 2117 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.02939 LONGITUDE: -110.1407
 UTM SURF EASTINGS: 573322 NORTHINGS: 4431163
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
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: SoD, Seperate file

STIPULATIONS: 1- Federal Approval
2- Spacing GHP



OPERATOR: NEWFIELD PROD CO (N2695)
SEC: 17 **T.** 9S **R.** 16E
FIELD: MONUMENT BUTTE (105)
COUNTY: DUCHESNE
SPACING: R649-3-2 / GENERAL SITING

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	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



PREPARED BY: DIANA WHITNEY
 DATE: 26-JANUARY-2006



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

January 26, 2006

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

Re: Federal 10-17-9-16 Well, 2102' FSL, 2117' FEL, NW SE, Sec. 17, 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 43-013-33033.

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 10-17-9-16
API Number: 43-013-33033
Lease: UTU-52018

Location: NW SE Sec. 17 T. 9 South R. 16 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

RECEIVED

JAN 24 2006

Form 3160-3
(September 2001)

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

BLM VERNAL, UTAH

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 10-17-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SE 2102' FSL 2117' FEL At proposed prod. zone		9. API Well No. 43-013-33033
14. Distance in miles and direction from nearest town or post office* Approximatley 15.9 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. 538' f/lse, NA' f/unit	16. No. of Acres in lease 640.00	11. Sec., T., R., M., or Blk. and Survey or Area NW/SE Sec. 17, T9S R16E
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. 1389'	12. County or Parish Duchesne
19. Proposed Depth 6060'	20. BLM/BIA Bond No. on file UTB000192	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5995' GL	22. Approximate date work will start* 1st Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/23/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JERRY KENCZKA	Date 8-4-2006
Title Assistant Field Manager 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.

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

*(Instructions on reverse)

NOTICE OF APPROVAL **CONDITIONS OF APPROVAL ATTACHED**

Accepted by the
Utah Division of
Oil, Gas and Mining

AUG 10 2006

DIV. OF OIL, GAS & MINING

FOR RECORD ONLY



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:** NWSE, Sec. 17, T9S, R16E
Well No: Federal 10-17-9-16 **Lease No:** UTU-52018
API No: 43-013-33033 **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
Natural Resource Specialist:	Nathaniel West	Office: 435-781-4447	
After hours contact number:	(435) 781-4513	FAX: (435) 781-4410	

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

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

NOTIFICATION REQUIREMENTS

- | | |
|---|--|
| Location Construction
(Notify Chris Carusona) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Chris Carusona) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger SPT) | - 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)**

DRILLING AND CONSTRUCTION

All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.

Prior to construction the operator must consult with the U.S. Army Corps of Engineers regarding compliance with Section 404 of the Clean Water Act.

In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer.

Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.

If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.

The reserve pit shall be double lined with felt and a 12 ml or greater liner.

No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.

The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.

When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.

Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).

Prevent fill and stock piles from entering drainages.

CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION.

Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery shall be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The

holder shall be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

The access road shall be crowned and ditched. Flat-bladed roads are NOT allowed.

Notify the Authorized Officer 48 hours prior to surface disturbing activities.

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location or access road.

Trees must be removed from the location; must be piled separately off location; and saved for final reclamation purposes.

INTERIM RECLAMATION

Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below. Topsoil shall not be piled deeper than 2 feet.

Interim Reclamation Seed Mix for location:

Crested wheat grass	Agropyron cristatum	4 lbs/acre
Per Live Seed Total	4 lbs/acre	

Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.

The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.

There shall be no primary or secondary noxious weeds in the seed mixture.

The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.

The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture shall be doubled and the area raked or chained to cover the seed. Seeding shall be conducted in fall.

COMPLETION AND PRODUCTION

All Blow back fluids from completion operations shall be contained in such a manner that no oil reaches the reserve pit.

During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.

The dikes for the production facilities will be constructed of compacted subsoil, be impervious, hold 110% the capacity of the largest tank with (one) 1 foot of freeboard and be independent of the backcut. All galvanized material used for dikes shall be painted on the inside and outside. Dikes shall be installed before production starts. Diking of the entire location will only be used as a secondary means of containment.

Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe of the backcut.

Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed starting date.

No production pits shall be allowed on the location.

Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.

All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (see well stipulations for color specific to each well). All facilities shall be painted within twelve (12) months of installation.

The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.

Equipment not being used for production shall not be stored on the well location.

All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

ABANDONED WELL – FINAL RECLAMATION

A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved.

The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.

The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-half inch using a seed drill. Weed free mulch shall also be applied to the planting area

sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.

When seeding *Artemisia* spp or shrubs broadcast seed and chain the area.

Final reclamation shall be a stage process.

If invasive or undesirable species are present in the area the location to be reclaimed will be sprayed with a pesticide in fall preferably October. (pesticide determined by the Vernal Field Office).

30 days after treatment drill seed the location with 4 lbs/acre Crested wheatgrass.

Once the desired pioneer species has established (2 yrs +) the seeded area shall be sprayed in a mosaic pattern with the above determined pesticide.

Reseed within 30 days with an approved native final reclamation seed mix.

Final reclamation will be considered complete once desired plants are > 5 plants per square meter and invasive or un-desirable species are < 100 plants per square meter.

Timing Limitation Stipulation – No surface use is allowed within the nesting areas during the following time period: March 1 through June 30. This stipulation would not apply if sage grouse are not present or if impacts could be mitigated. Paint olive drab. 6" and 4" surface poly gas lines.

DOWNHOLE CONDITIONS OF APPROVAL

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

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will 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 must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will 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 must be obtained and notification given before resumption of operations.

- Chronologic drilling progress reports must 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 must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must 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, will 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 must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will 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, will 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) will be submitted only when requested by the BLM, Vernal Field Office.
- **Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).**
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will 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 will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production,

whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

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

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 10-17-9-16

Api No: 43-013-33033 Lease Type: FEDERAL

Section 17 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 09/01//06

Time 10:30 AM

How DRY

Drilling will Commence: _____

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 09/05/06 Signed CHD

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

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

OPERATOR 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	15623	43-013-33033	FEDERAL 10-17-9-16	NW/SE	17	9S	16E	DUCHESE	09/01/06	9/7/06
WELL 1 COMMENTS: <u>GRRU</u>											
A	99999	15632	43-013-302900- ³²⁹⁴⁴	ASHLEY FEDERAL 16-24-9-15	SE/SE	24	9S	15E	DUCHESE	09/02/06	9/14/06
WELL 2 COMMENTS: <u>GRRU</u>											
WELL 5 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign 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

SEP 06 2006

DIV. OF OIL, GAS & MINING

Lana Nebeker
Signature

LANA NEBEKER

Production Analyst
Title

September 5, 2006
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.
UTU-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
FEDERAL 10-17-9-16

9. API Well No.
4301333033

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)
NWSE Section 17 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 9/1/2006 MIRU NDSI NS # 1. Spud well @ 10:30 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.45' KB On 9/8/2006 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

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

Signature: 

Title: **Drilling Foreman**

Date: 09/09/2006

Approved by: _____ Title: _____ Date: _____

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

Office: _____

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

(Instructions on reverse)

RECEIVED
SEP 13 2006
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.45

LAST CASING 8 5/8" set @ 323.45
 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 10-17-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 44.62'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	311.6
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			313.45
TOTAL LENGTH OF STRING		313.45	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			323.45
TOTAL		311.6	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		311.6	7				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	9/1/2006	10:30 AM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE		9/1/2006	4:30 PM	Bbls CMT CIRC TO SURFACE			4
BEGIN CIRC		9/8/2006	8:58 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT		9/8/2006	9:13 AM				
BEGIN DSPL. CMT		9/8/2006	9:24 AM	BUMPED PLUG TO			151 PSI
PLUG DOWN		9/8/2006	9:31 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 9/8/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
UTU-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
FEDERAL 10-17-9-16

9. API Well No.
4301333033

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NWSE Section 17 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	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 recompleat 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 recompleat 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 9/27/2006 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,060'. 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, 138 jt's of 5.5 J-55, 15.5# csgn. Set @ 6038.28' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.49 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 22 bbis returned to pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig 8:00 am on 10-03-06.

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

Signature [Signature]

Title Drilling Foreman

Date 10/03/2006

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

OCT 10 2006

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6038.28

Flt cllr @ 5992.40'

LAST CASING 8 5/8" SET AT 323.45'
 DATUM 12' KB
 DATUM TO CUT OFF CASING 12'
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 6060' Logger TD 6050'
 HOLE SIZE 7 7/8"

OPERATOR Newfield Production Company
 WELL Federal 10-17-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Patterson # 155

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6.00 short jt @ 3936'					
137	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5980.68
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.35
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6040.28
TOTAL LENGTH OF STRING		6040.28	138	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		133.05	3	CASING SET DEPTH			6038.28
TOTAL		6158.08	141	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6158.08	141				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		10/2/2006	8:00 PM	GOOD CIRC THRU JOB		YES	
CSG. IN HOLE		10/2/2006	12:30 PM	Bbls CMT CIRC TO SURFACE		22	
BEGIN CIRC		10/2/2006	12:45 PM	RECIPROCATED PIPE FOR _____ THRUSTROKE No			
BEGIN PUMP CMT		10/3/2006	2:21 AM	DID BACK PRES. VALVE HOLD ? YES			
BEGIN DSPL. CMT		10/3/2006	3:24 AM	BUMPED PLUG TO		1590 PSI	
PLUG DOWN		10/3/2006	3:45 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	325	Premlite II w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.49 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Troy Zufelt DATE 10/3/2006

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include are code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NWSE Section 17 T9S R16E

5. Lease Serial No.
 LTY-50013

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 FEDERAL 10-17-9-16

9. API Well No.
 4301333033

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

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

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

SENT TO OPERATOR
10-21-06
KTH

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

Date: 10/27/06

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

By: Mandie Crozier Title: Regulatory Specialist

Signature: Mandie Crozier Date: 10/23/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

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

Office _____

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

(Instructions on reverse)

RECEIVED
OCT 24 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 NWSE Section 17 T9S R16E

5. Lease Serial No.
 UTA-52018

6. If Indian, Allottee or Tribe Name.

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

8. Well Name and No.
 FEDERAL 10-17-9-16

9. API Well No.
 4301333033

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

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

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

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

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

Signature: *Mandie Crozier*

Title: Regulatory Specialist

Date: 10/23/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: _____ Title: _____ Date: _____

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Office: _____

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(Instructions on reverse)

RECEIVED
OCT 24 2006
 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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

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

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: **NWSE, 17, T9S, R16E** STATE: **UT**

8. WELL NAME and NUMBER:
FEDERAL 10-17-9-16

9. API NUMBER:
4301333033

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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

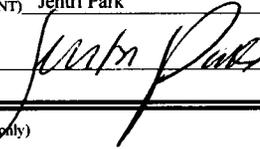
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> Approximate date work will _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> Date of Work Completion: <u>11/01/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Status report for time period 10/11/06 - 10/20/06

Subject well had completion procedures initiated in the Green River formation on 10-11-06 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5572'-5597'); Stage #2 (5324'-5338'); Stage #3 (4909'-4916'); Stage #4 (4219'-4224'), (4208'-4213'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 10-17-2006. Bridge plugs were drilled out and well was cleaned to 5993'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 10-20-2006.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE  DATE 11/01/2006

(This space for State use only)

RECEIVED
NOV 02 2006
 DIV. OF OIL, GAS & MINING

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK
 OIL WELL GAS WELL DRY Other _____
 1b. TYPE OF WELL
 NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

2. NAME OF OPERATOR
 Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.
 1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
 At Surface 2102' FSL & 2117' FEL (NW/SE) Sec. 17, T9S, R16E
 At top prod. Interval reported below

14. API NO. 43-013-33033 DATE ISSUED 1/26/06
 12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUNDED 09/01/06 16. DATE T.D. REACHED 10/02/06 17. DATE COMPL. (Ready to prod.) 10/20/06
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5995' GL 6007' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6060' 21. PLUG BACK T.D., MD & TVD 5993' 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 4208'-5597'
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
 Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log
 27. WAS WELL CORED No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6038'	7-7/8"	325 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5656'	TA @ 5557'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5572'-5597'	.46"	4/100	5572'-5597'	Frac w/ 90,054# 20/40 sand in 666 bbls fluid
(LODC) 5324'-5338'	.43"	4/56	5324'-5338'	Frac w/ 74,829# 20/40 sand in 575 bbls fluid
(B1) 4909'-4916'	.43"	4/28	4909'-4916'	Frac w/ 24,379# 20/40 sand in 304 bbls fluid
(GB6) 4219'-4224', 4208'-4213'	.43"	4/40	4224'-4208'	Frac w/ 24,861# 20/40 sand in 298 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 10/20/06 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 12'x15.5' RHAC SM Plunger Pump WELL STATUS (Producing or shut-in) 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			----->	24	4	35	167

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 NOV 09 2006

35. LIST OF ATTACHMENTS DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED [Signature] TITLE Production Clerk DATE 11/7/2006
 Jeffery Park

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 10-17-9-16	Garden Gulch Mkr	3678'	
				Garden Gulch 1	3869'	
				Garden Gulch 2	3980'	
				Point 3 Mkr	4228'	
				X Mkr	4502'	
				Y-Mkr	4534'	
				Douglas Creek Mkr	4650'	
				BiCarbonate Mkr	4824'	
				B Limestone Mkr	4984'	
				Castle Peak	5537'	
				Basal Carbonate	5980'	
				Total Depth (LOGGERS)	6050'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 10-17-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013330330000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2102 FSL 2117 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 17 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/22/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The above reference well was put on injection at 8:15 AM on
04/22/2014.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
December 15, 2014**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 12/15/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

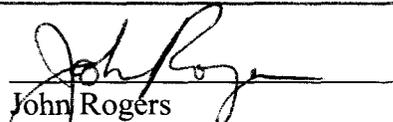
Cause No. UIC-415

Operator: Newfield Production Company
Well: Federal 10-17-9-16
Location: Section 17, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33033
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 3, 2014.
2. Maximum Allowable Injection Pressure: 1,748 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,979' – 5,993')
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

4/15/2014
Date

JR/MLR/js

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

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



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 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 (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEDERAL 10-17-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013330330000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2102 FSL 2117 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 17 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESENE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/25/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 03/24/2014. On 03/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/25/2014 the casing was pressured up to 1417 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was a State representative available to witness the test - Chris Jensen.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 01, 2014**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 3/31/2014

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Chris Jensen Date 3/25/14 Time 8:58 (am) pm
Test Conducted by: R. B. Budy
Others Present: _____

Well: <u>Federal 10-17-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 10-17-9-16</u>	API No: <u>4301333033</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1415</u>	psig
5	<u>1416</u>	psig
10	<u>1416</u>	psig
15	<u>1416</u>	psig
20	<u>1416</u>	psig
25	<u>1417</u>	psig
30 min	<u>1417</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

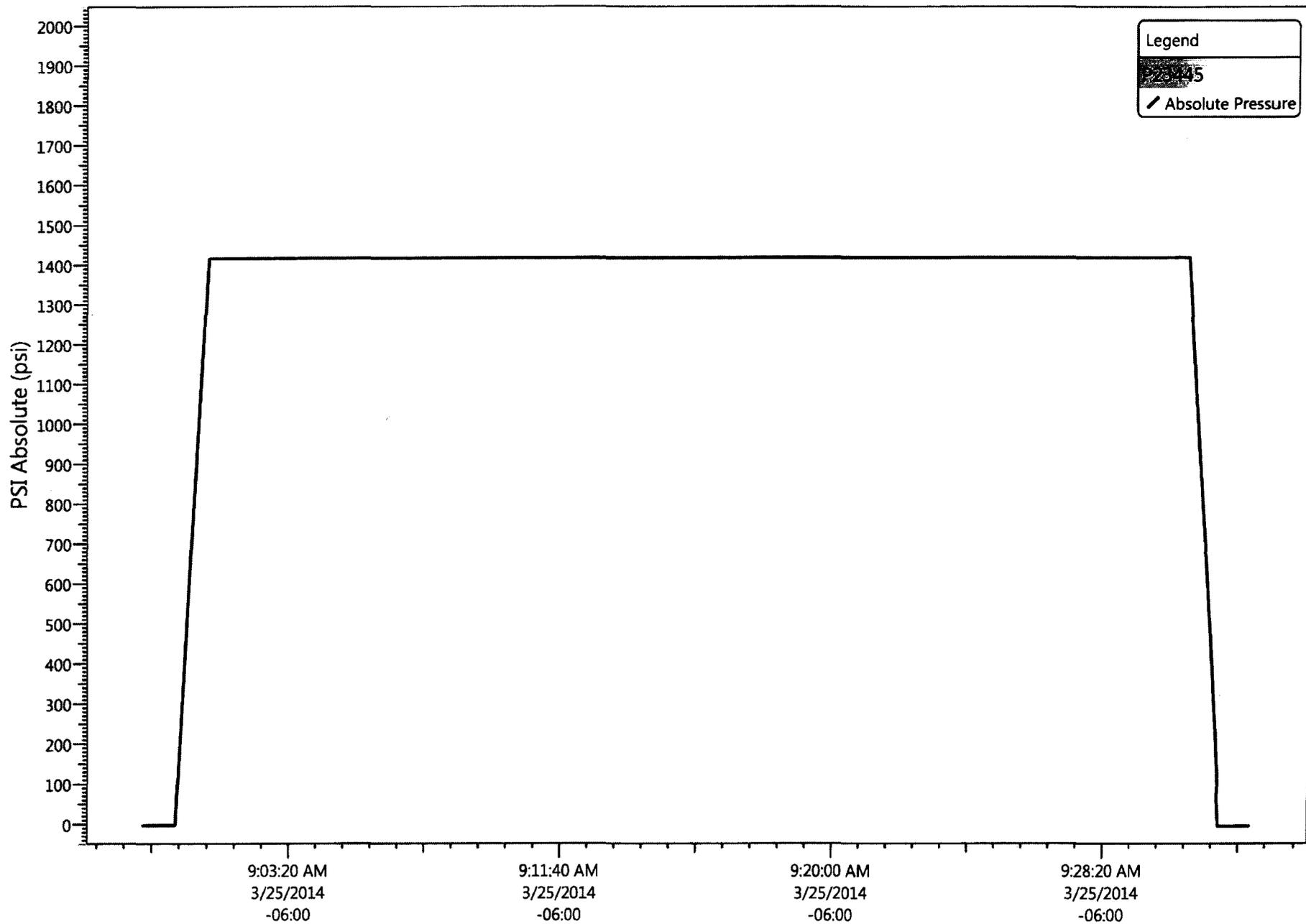
Tubing pressure: 100 psig

Result: Pass Fail

Signature of Witness: Chris Jensen
Signature of Person Conducting Test: R. B. Budy

Federal 10-17-9-16 (conversion MIT (3/25/14))

3/25/2014 8:58:21 AM



Sundry Number : 49349 API Well Number : 43013330330000



Job Detail Summary Report

Well Name: Federal 10-17-9-16

Jobs	
Primary Job Type Conversion	Job Start Date 3/18/2014
Job End Date	

Daily Operations		
Report Start Date 3/18/2014	Report End Date 3/18/2014	24hr Activity Summary MIRU. PUMP 60 BBLS DWN CSG & RU ROD EQUIP. UNSEAT PUMP @ 10,000# OVER STRING WT, FLUSHED TBG W/ 40 BW, RESEAT PUMP & PT TBG TO 3000PSI - GOOD TEST. START LD ROD STRING. SDFN

Start Time 14:00	End Time 18:00	Comment 2:00pm LOAM from 6-12-9-15 to 10-17-9-16 RU rig and RD PU, pump 60 bbls down csg and rig up rod equip, Unseat pump @10000# over string weight, flush tbg w/40 bw Reseat pump & pressure test tbg to 3000psi, good test, Start to lay down Rod string SDFN @6:00pm
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Start Time 18:00	End Time 19:00	Comment Crew Travel
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Report Start Date 3/19/2014	Report End Date 3/19/2014	24hr Activity Summary CONT LD RODS, ND WH RELEASE TAC
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Start Time 06:00	End Time 07:00	Comment CREW TRAVEL
---------------------	-------------------	------------------------

Start Time 07:00	End Time 16:30	Comment 7:00am Hotoil well w/20 bw Cont LD Rod string, 1 Polish Rod 1-1/2" x 22' w/acc, 1 x 4' pony 3/4", 1 x 8' pony 3/4", 38-4per 3/4", 61-4per 3/4" BAD, 106 slicks 3/4", 11-4per 3/4" BAD, 6 WB 1-1/2" BAD, 1 pump, ND wellhead release TAC, NU BOP, RU floor & tbg equip, 11:00am TOOH Breaking & Green Doping a total of 131 jts, LD 48 extra jts, TAC, PSN w/BN, NC
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Start Time 16:30	End Time 18:30	Comment TIH w/PKR assembly, BHA as follows, XN-Nipple, 4' sub w/ X/O, PKR, On/Off Tool, PSN, 131 jts 2-7/8" tbg pump 15 bbls pad drop SV fill hole w/21 bbls, pressure up tbg to 3000psi check in Am SDFN @6:30pm Check pressure in AM Fish SV, ND BOP pump PKR fluid & test csg to 1500psi, test w/MIT
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Start Time 18:30	End Time 19:30	Comment CREW TRAVEL
---------------------	-------------------	------------------------

Report Start Date 3/20/2014	Report End Date 3/20/2014	24hr Activity Summary READY FOR MIT - READY TO RD AND MOVE MONDAY
--------------------------------	------------------------------	--

Start Time 06:00	End Time 07:00	Comment CREW TRAVEL
---------------------	-------------------	------------------------

Start Time 07:00	End Time 09:30	Comment Steam tbg w/hotoiler & check pressure on tbg good test, RU sandline, PU RIH w/overshot & WB fish SV @4142, POOH w/sandline (part sandline Fishing SV, weak spot in line), 9:00am - 1:00pm no charge
---------------------	-------------------	--

Start Time 09:30	End Time 11:00	Comment TOOH w/tbg watching for sandline, cut sandline out every stand
---------------------	-------------------	---

Start Time 11:00	End Time 13:30	Comment TIH w/ tbg w/same BHA & retest tbg to 3000psi good test, RU sandline PU & RIH to fish SV w/overshot, LD WB & fish
---------------------	-------------------	--

Start Time 13:30	End Time 18:00	Comment RD floor & tbg equip, ND BOP & NU wellhead & pump 50bbls down csg w/PKR fluid, NU Injection Tree and fill hole w/42 bbls and pressure up to 1500psi SDFW @6:00pm (Friday & Saturday, Well Control class) Test w/MIT in AM Ready to RD and Move monday morning
---------------------	-------------------	--

Start Time 18:00	End Time 19:00	Comment CREW TRAVEL
---------------------	-------------------	------------------------

Report Start Date 3/25/2014	Report End Date 3/25/2014	24hr Activity Summary Conduct MIT
--------------------------------	------------------------------	--------------------------------------

Start Time 09:00	End Time 11:30	Comment On 03/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/25/2014 the casing was pressured up to 1417 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was a State representative available to witness the test - Chris Jensen.
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NEWFIELD

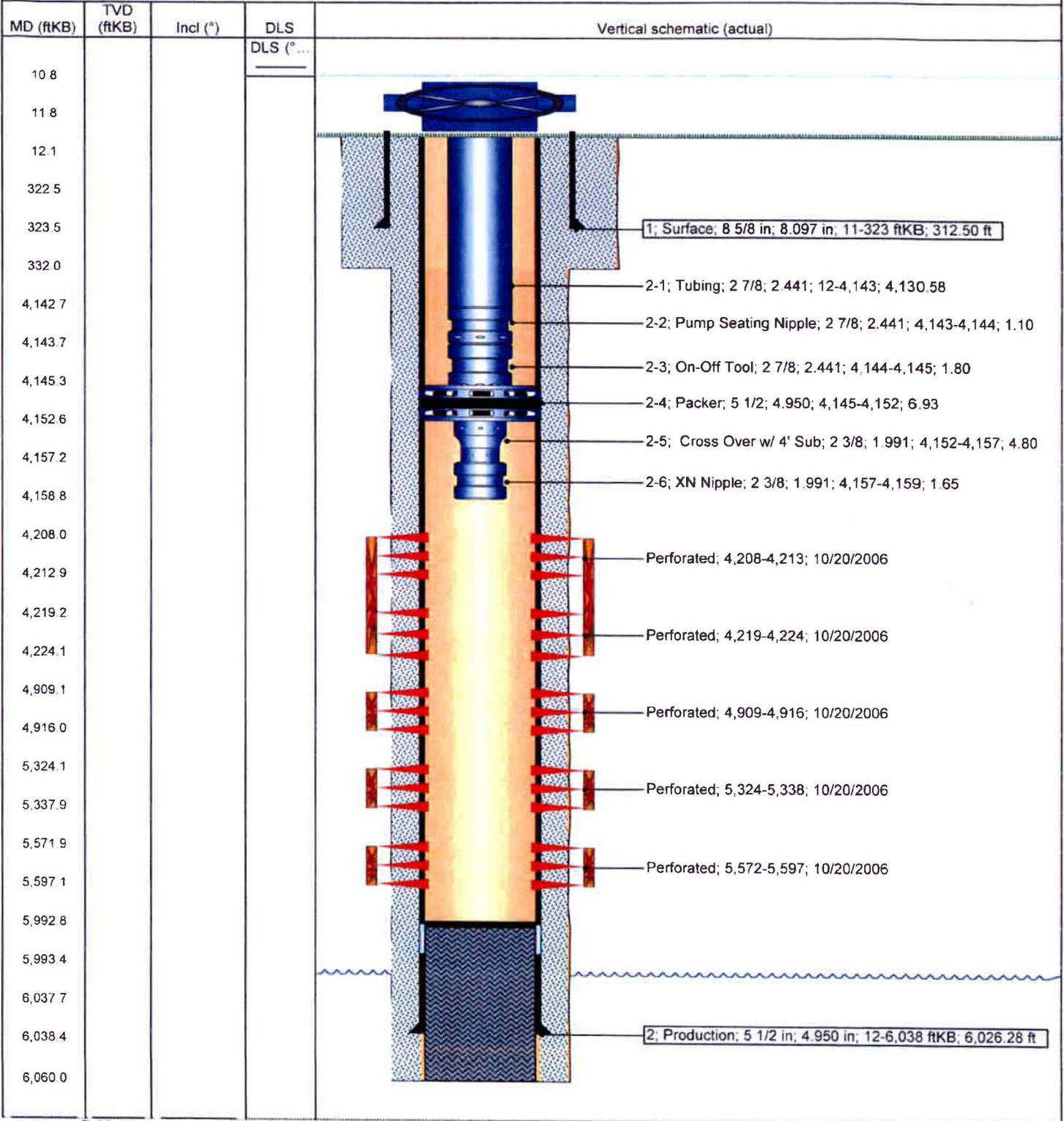
Schematic

Well Name: Federal 10-17-9-16

Surface Legal Location 17-9S-16E		API/UWI 43013330330000	Well RC 500155828	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 9/1/2006	Rig Release Date	On Production Date 10/20/2006	Original KB Elevation (ft) 6,007	Ground Elevation (ft) 5,995	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,992.7	

Most Recent Job			
Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 3/18/2014
		Job End Date	

TD: 6,060.0 Vertical - Original Hole, 3/26/2014 8:40:16 AM



NEWFIELD



Newfield Wellbore Diagram Data Federal 10-17-9-16

Surface Legal Location 17-9S-16E		API/UWI 43013330330000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 9/1/2006		Spud Date 9/1/2006		Field Name GMBU CTB3	
Original KB Elevation (ft) 6,007		Ground Elevation (ft) 5,995		Final Rig Release Date	
Total Depth (ftKB) 6,060.0		Total Depth All (TVD) (ftKB)		On Production Date 10/20/2006	
				PBTD (All) (ftKB) Original Hole - 5,992.7	

Casing Strings						
Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/1/2006	8 5/8	8.097	24.00	J-55	323
Production	9/27/2006	5 1/2	4.950	15.50	J-55	6,038

Cement				
String: Surface, 323ftKB 9/1/2006				
Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
	12.0	332.0		
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	Lead	160	G	12.0

String: Production, 6,038ftKB 10/3/2006				
Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
	12.0	6,060.0		
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Premite II w/ 10% gel + 3% KCL, 5#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake	Lead	325	Premite II	12.0
Fluid Description	Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM	Tail	450	50/50	12.0

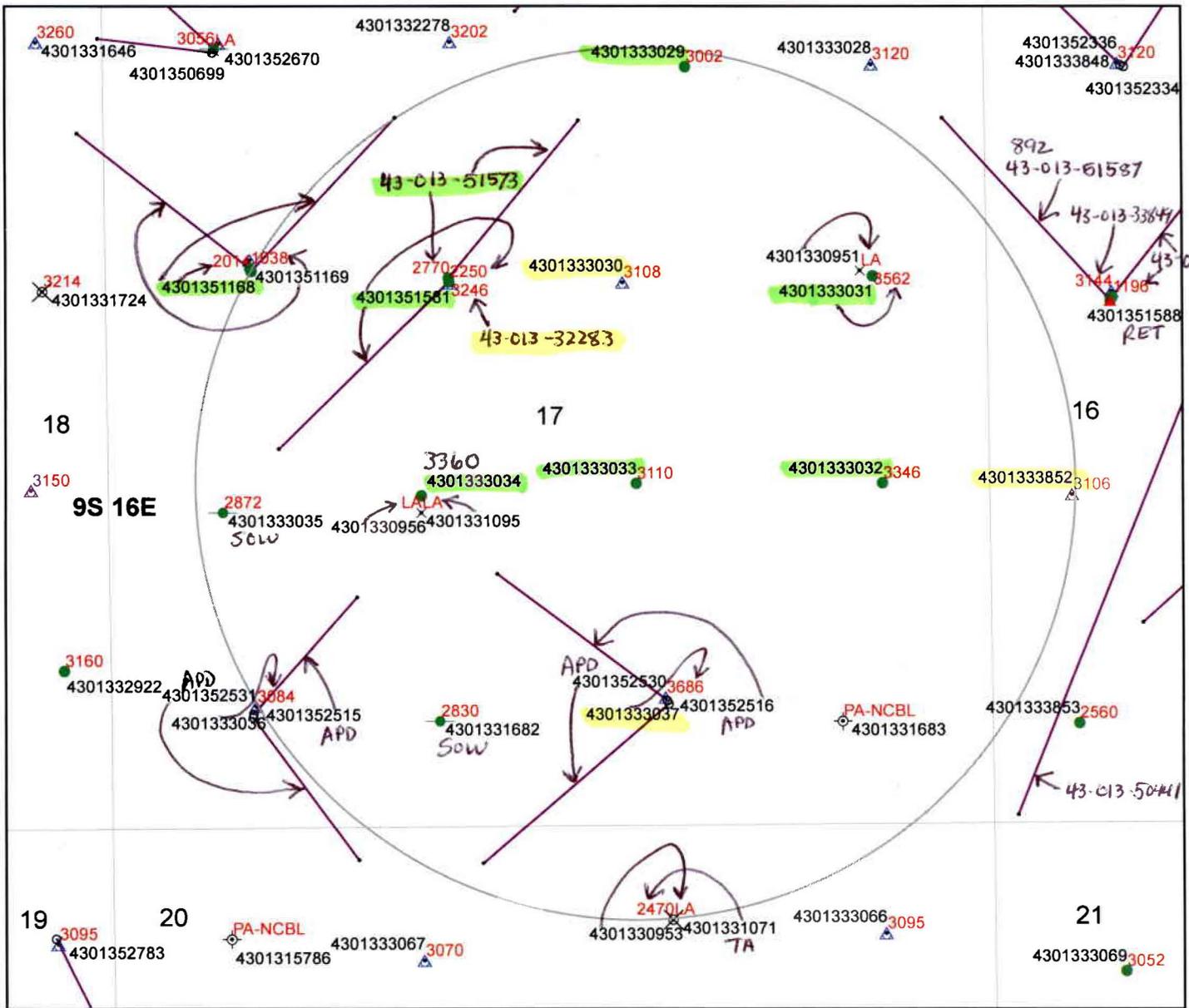
Tubing Strings										
Tubing Description					Run Date	Set Depth (ftKB)				
Tubing					3/18/2014	4,158.9				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
Tubing	131	2 7/8	2.441	6.50	J-55	4,130.58	12.0	4,142.6		
Pump Seating Nipple		2 7/8	2.441			1.10	4,142.6	4,143.7		
On-Off Tool		2 7/8	2.441			1.80	4,143.7	4,145.5		
Packer		5 1/2	4.950			6.93	4,145.5	4,152.4		
Cross Over w/ 4' Sub		2 3/8	1.991			4.80	4,152.4	4,157.2		
XN Nipple		2 3/8	1.991			1.65	4,157.2	4,158.9		

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

Perforation Intervals							
Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
4	GB6, Original Hole	4,208	4,213	4	120		10/20/2006
4	GB6, Original Hole	4,219	4,224	4	120		10/20/2006
3	B1, Original Hole	4,909	4,916	4	120		10/20/2006
2	LODC, Original Hole	5,324	5,338	4	120		10/20/2006
1	CP1, Original Hole	5,572	5,597	4	120		10/20/2006

Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,180	0.85	25.1	2,060			
2	2,250	0.85	25.3	2,200			
3	1,930	0.83	24.8	2,260			
4	1,775	0.86	25.1	1,920			

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 90054 lb
2		Proppant White Sand 74829 lb
3		Proppant White Sand 24379 lb
4		Proppant White Sand 25861 lb



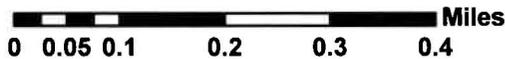
Legend

Oil & Gas Well Type

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

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

**Cement Bond Tops
Federal 10-17-9-16
API #43-013-33033
UIC-415.4**





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 3, 2014

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

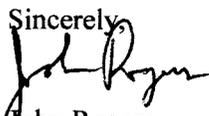
Subject: Greater Monument Butte Unit Well: Federal 10-17-9-16, Section 17, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33033

Ladies and Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,979 feet in the Federal 10-17-9-16 well.

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

Sincerely,

John Rogers
Associate Director

JR/MLR/js

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

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



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

Applicant: Newfield Production Company **Well:** Federal 10-17-9-16

Location: 17/9S/16E **API:** 43-013-33033

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and 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 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,038 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,110 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,158 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 8 producing wells, 4 injection wells, 2 shut-in wells, and 1 P/A well in the AOR. One of the directional producing wells has a surface location slightly inside the AOR, a path mostly in the AOR, and a bottom hole location slightly outside the AOR. In addition, there is 1 approved surface location outside the AOR, from which a directional well will be drilled to a bottom hole location inside the AOR. All of the existing 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 2500 feet. Injection shall be limited to the interval between 3,979 feet and 5,993 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 10-17-9-16 well is 0.85 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,748 psig. The requested maximum pressure is 1,748 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 10-17-9-16

page 2

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

Bonding: Bonded with the BLM

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

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

Reviewer(s): Mark Reinbold

Date: 1/31/2014

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

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS		ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114		9001402352 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-415	12/13/2013
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.			
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.			
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:			
Greater Monument Butte Unit: State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-33846 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33853 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-30650 Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East API 43-013-33033 Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East API 43-013-33035 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East API 43-013-32922 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East API 43-013-33063 Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East API 43-013-33100 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33102 Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33161 Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East API 43-013-33163 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East API 43-013-33107 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33019 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33069 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East API 43-013-33023 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-33003 Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East API 43-013-30873 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-32961 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East API 43-013-33343			
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.			
Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.			
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.			
Dated this 11th day of December, 2013.			
ACCOUNT NAME		STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Brad Hill Permitting Manager	
DIV OF OIL-GAS & MINING,		UPXLP	
TELEPHONE	ADORDER	923758	
8015385340	0000927358	SPAPER PUBLICATION DATE AND REMAINS ON	
SCHEDULE		UTAH CODE 46-2-101, 46-3-104.	
Start 12/13/2013	End 12/13/2013	923758	
CUST. REF. NO.		923758	
Newfield Cause UIC-415		923758	
CAPTION		923758	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT		923758	
SIZE		923758	
94 Lines	3.00	923758	
TIMES		923758	
3		923758	
MISC. CHARGES		923758	

DIV. OF OIL, GAS & MINING AFFIDAVIT OF PUBLICATION

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

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

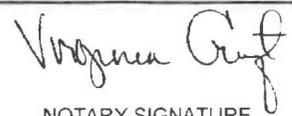
SIGNATURE 

DATE 12/13/2013

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

2210/REB/131




 NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

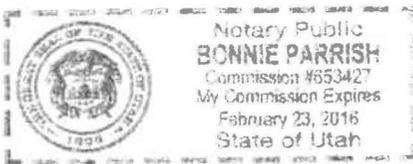
County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 2013, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 2013, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Kevin Ashby
Publisher

Subscribed and sworn to before me on this
23 day of December, 2013

by Kevin Ashby.
Bonnie Parrish
Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

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

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

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Continued on next page

Continued from previous page

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:

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API 43-013-33846

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

API 43-013-33853

Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East

API 43-013-30650

Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33033

Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East

API 43-013-33035

Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East

API 43-013-32922

Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33063

Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33100

Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33102

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South,

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 535-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at a hearing how this matter affects their interests.

Dated this 11th day of December, 2013
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
Published in the
Uintah Basin Standard
December 17, 2013

RECEIVED

DEC 24 2013

DIV. OF OIL GAS & MINING

14-19-9-16

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33161

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

API 43-013-33163

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

API 43-013-33107

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

API 43-013-33019

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

API 43-013-33069

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

API 43-013-33023

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

API 43-013-33003

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

API 43-013-30873

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

API 43-013-32961

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

API 43-013-33343

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

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

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

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

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

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

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

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

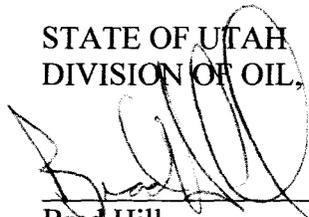
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Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

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

Cause No. UIC-415

Publication Notices were sent to the following:

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

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

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

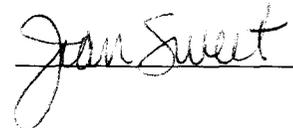
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

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

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

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

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

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

12/12/2013

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



Jean Sweet <jsweet@utah.gov>

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

1 message

UB Standard Legals <ubslegals@ubmedia.biz>

Thu, Dec 12, 2013 at 1:22 PM

To: Jean Sweet <jsweet@utah.gov>

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

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

–

Jean Sweet

Executive Secretary

Utah Division of Oil, Gas and Mining

801-538-5329

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



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

VIA E-MAIL naclegal@mediaoneutah.com

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

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

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

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

12/12/2013

State of Utah Mail - Proof for Notice



Jean Sweet <jsweet@utah.gov>

Proof for Notice

1 message

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

Thu, Dec 12, 2013 at 12:34 PM

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

 **OrderConf.pdf**
185K

Order Confirmation for Ad #0000927358-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
EEmail	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$478.76			
Payment Amt	\$0.00			
Amount Due	\$478.76	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	Newfield Cause UIC-4	
Confirmation Notes:				
Text:	Jean			

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

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

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

Ad Content Proof Actual Size

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

December 5, 2013

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

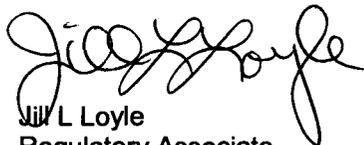
RE: Permit Application for Water Injection Well
Federal #10-17-9-16
Monument Butte Field, Lease #UTU-52018
Section 17-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #10-17-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,


Jill L. Loyle
Regulatory Associate

RECEIVED

DEC 06 2013

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #10-17-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-52018
DECEMBER 5, 2013

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FEDERAL 10-17-9-16

Spud Date: 09/01/2006
 Put on Production: 10/20/2006
 GL: 5995' KB: 6007'

Initial Production: BOPD,
 MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.45')
 DEPTH LANDED: 323.45'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ 4 bbls to surf.

PRODUCTION CASING

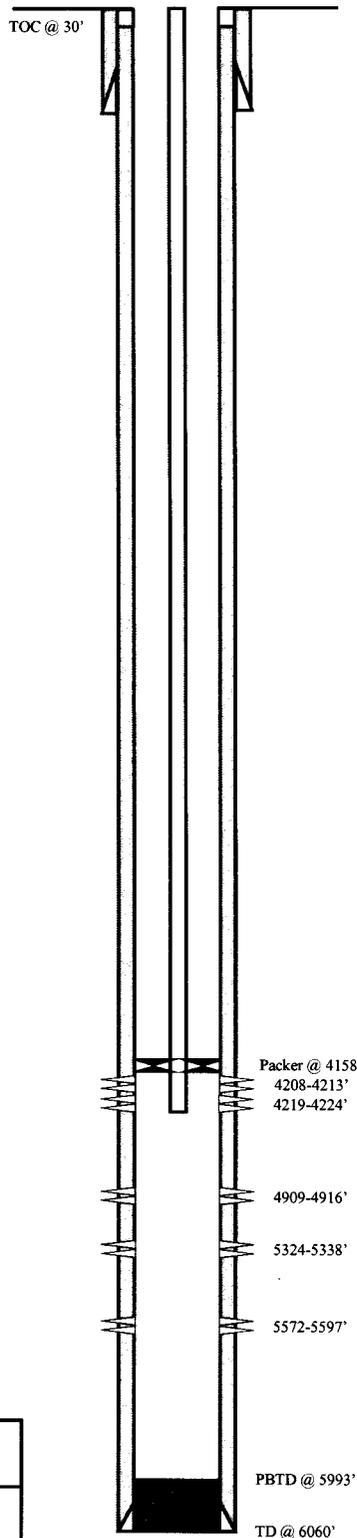
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137jts (6040.28')
 DEPTH LANDED: 6038.28'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Premlite II & 450 sxs 50/50 POZ.
 CEMENT TOP: 30' per CBL 10/11/06

TUBING (KS 10/20/06)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 176jts (5544.87')
 TUBING ANCHOR: 5556.87'
 NO. OF JOINTS: 1jt (31.56')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5591.23'
 NO. OF JOINTS: 2jts (63.04')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5655.82'

FRAC JOB

10/16/06	5572-5597'	Frac CPI sands as follows: 90,054# 20/40 sand in 666 bbls Lightning 17 frac fluid. Treated @ avg press of 1764 psi w/avg rate of 25 BPM. ISIP 2180 psi. Calc flush: 5570 gal. Actual flush: 5040 gal.
10/16/06	5324-5338'	Frac LODC sands as follows: 74829# 20/40 sand in 575 bbls Lightning 17 frac fluid. Treated @ avg press of 1910 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 5322 gal. Actual flush: 4788 gal.
10/16/06	4909-4916'	Frac B1 sands as follows: 24,379# 20/40 sand in 304 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.6 BPM. ISIP 1930 psi. Calc flush: 4907 gal. Actual flush: 4368 gal.
10/16/06	4208-4224'	Frac GB6 sands as follows: 25,861# 20/40 sand in 298 bbls Lightning 17 frac fluid. Treated @ avg press of 1725 psi w/avg rate of 24.9 BPM. ISIP 1775 psi. Calc flush: 4206 gal. Actual flush: 4116 gal.



PERFORATION RECORD

10/16/06	5572-5597'	4 JSPF	100 holes
10/16/06	5324-5338'	4 JSPF	56 holes
10/16/06	4909-4916'	4 JSPF	28 holes
10/16/06	4219-4224'	4 JSPF	20 holes
10/16/06	4208-4213'	4 JSPF	20 holes

NEWFIELD

FEDERAL 10-17-9-16

2102'FSL & 2117' FEL
 NW/SE Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33033; 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 17th Street, Suite 2000
Denver, Colorado 80202

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

See Attachment A.

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

Approval is requested to convert the Federal #10-17-9-16 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 #10-17-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3979' - 5993'). 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 3657' and the TD is at 6060'.

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

The referenced log for the Federal #10-17-9-16 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 323' KB, and 5-1/2", 15.5# casing run from surface to 6038' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1748 psig.

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

The minimum fracture gradient for the Federal #10-17-9-16, for existing perforations (4208' - 5597') calculates at 0.85 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 1748 psig. We may add additional perforations between 3657' and 6060'. See Attachments G and G-1.

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

In the Federal #10-17-9-16, the proposed injection zone (3979' - 5993') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-13.

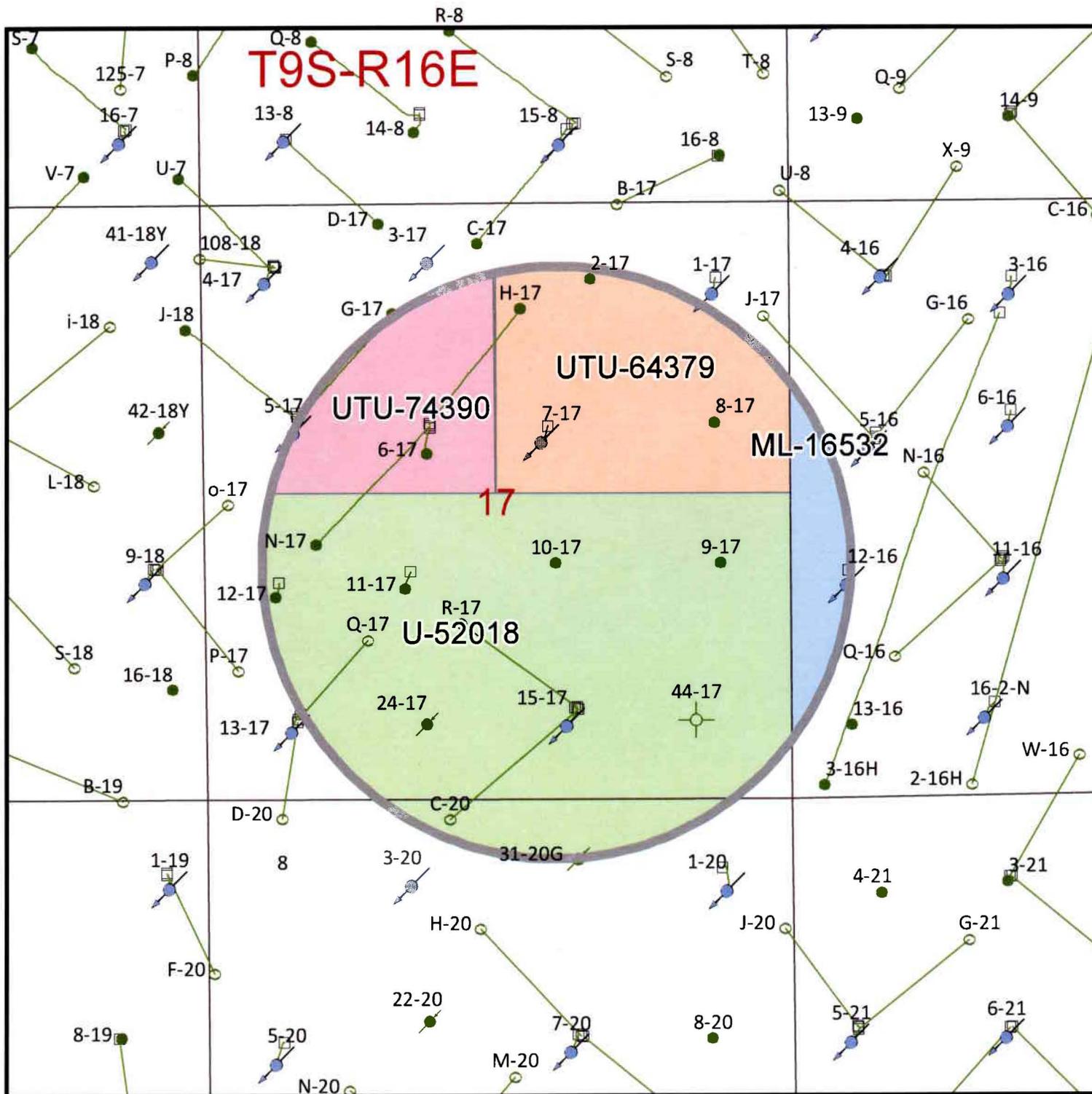
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



Lease Number

- ML-16532
- U-52018
- UTU-64379
- UTU-74390

Well Status

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

Federal 10-17-9-16
Section 17, T9S-R16E



NEWFIELD
ROCKY MOUNTAINS¹ in = 1,250 feet

1/2 Mile Radius Map
Duchesne County

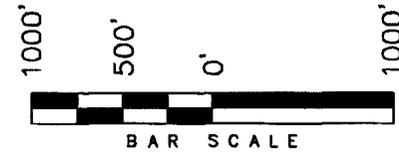
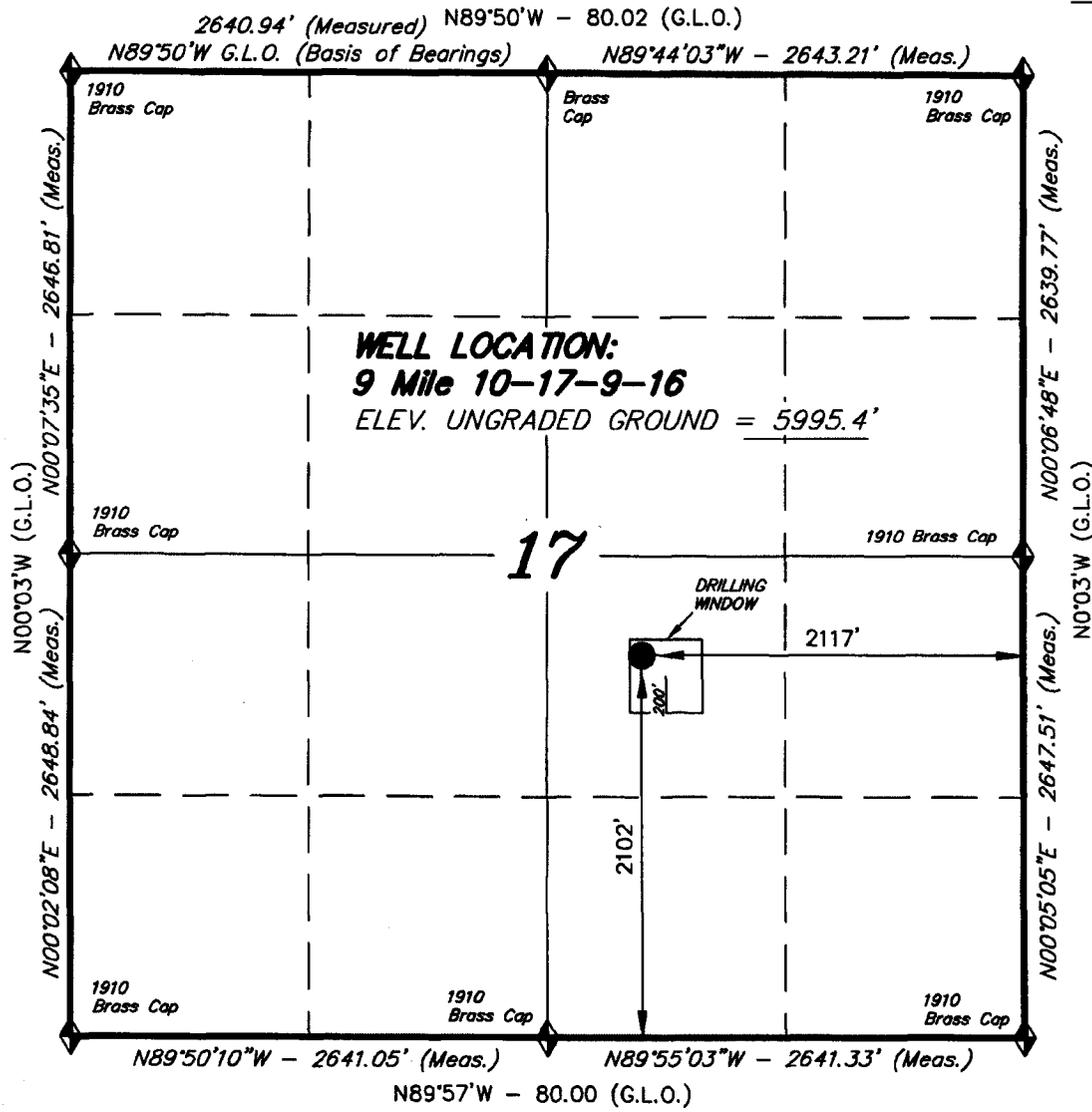
1001 17th Street Suite 2000
Denver, Colorado 80202
Phone: (303) 893-0102

Nov. 7, 2013

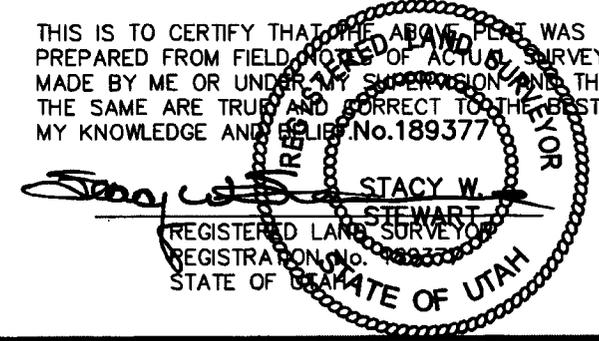
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 Mile 10-17-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 SE
 1/4 OF SECTION 17, 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 10-17-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 45.85"
 LONGITUDE = 110° 08' 28.79"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 12-12-05	SURVEYED BY: C.M.
DATE DRAWN: 12-28-05	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
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 16: All	State of Utah ML-16532 HBP	Newfield Production Company Newfield RMI LLC QEP Energy Company El Paso E&P Company LP American Petroleum Corp Brave River Production Trans Republic Resources Inc. El Paso Production Oil & Gas Company	State of Utah
4	T9S-R16E SLM Section 6: All Section 7: All Section 8: W2 Section 17: NW Section 18: NE, E2NW, Lot1,2	USA UTU-74390 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corporation MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corporation	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #10-17-9-16

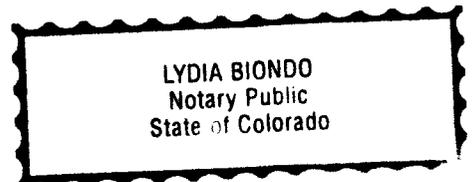
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

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

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

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

My Commission Expires: 12/31/15



FEDERAL 10-17-9-16

Spud Date: 09/01/2006
 Put on Production: 10/20/2006
 GL: 5995' KB: 6007'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.45')
 DEPTH LANDED: 323.45'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137jts (6040.28')
 DEPTH LANDED: 6038.28'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Premilite II & 450 sxs 50/50 POZ.
 CEMENT TOP: 30' per CBL 10/11/06

TUBING (KS 10/20/06)

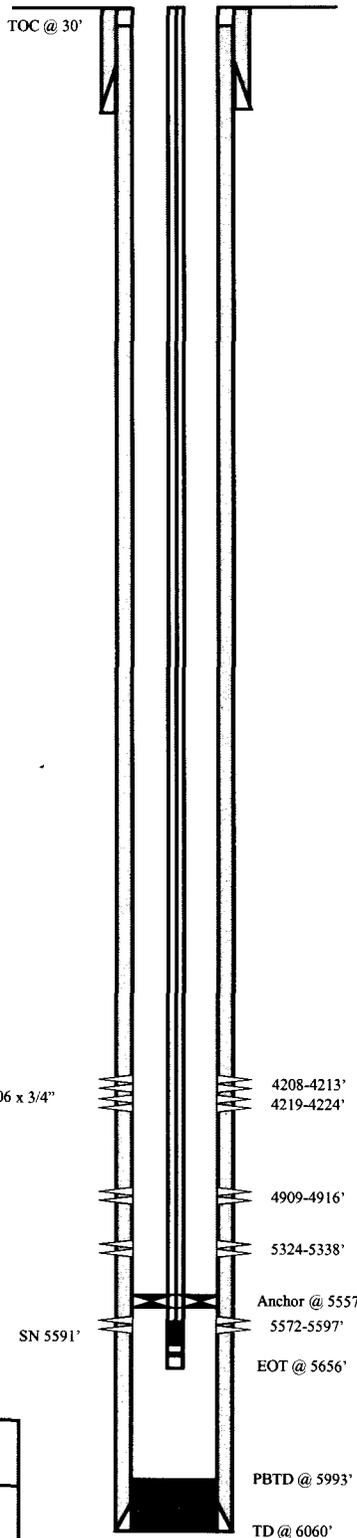
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 176jts (5544.87')
 TUBING ANCHOR: 5556.87'
 NO. OF JOINTS: 1jt (31.56')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5591.23'
 NO. OF JOINTS: 2jts (63.04')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5655.82'

SUCKER RODS (KS 10/20/06)

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4', 8' x 3/4" Pony Rods, 100 x 3/4" Guided Rods, 106 x 3/4" Plain Rods, 10 x 3/4" Guided Rods, 6 x 1-1/2" Weight Bars
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 15.5' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 3
 PUMPING UNIT: DARCO C-228-213-86

FRAC JOB

10/16/06	5572-5597'	Frac CP1 sands as follows: 90,054# 20/40 sand in 666 bbls Lightning 17 frac fluid. Treated @ avg press of 1764 psi w/avg rate of 25 BPM. ISIP 2180 psi. Calc flush: 5570 gal. Actual flush: 5040 gal.
10/16/06	5324-5338'	Frac LODC sands as follows: 74829# 20/40 sand in 575 bbls Lightning 17 frac fluid. Treated @ avg press of 1910 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 5322 gal. Actual flush: 4788 gal.
10/16/06	4909-4916'	Frac B1 sands as follows: 24,379# 20/40 sand in 304 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.6 BPM. ISIP 1930 psi. Calc flush: 4907 gal. Actual flush: 4368 gal.
10/16/06	4208-4224'	Frac GB6 sands as follows: 25,861# 20/40 sand in 298 bbls Lightning 17 frac fluid. Treated @ avg press of 1725 psi w/avg rate of 24.9 BPM. ISIP 1775 psi. Calc flush: 4206 gal. Actual flush: 4116 gal.



PERFORATION RECORD

10/16/06	5572-5597'	4 JSPF	100 holes
10/16/06	5324-5338'	4 JSPF	56 holes
10/16/06	4909-4916'	4 JSPF	28 holes
10/16/06	4219-4224'	4 JSPF	20 holes
10/16/06	4208-4213'	4 JSPF	20 holes

NEWFIELD

FEDERAL 10-17-9-16

2102'FSL & 2117' FEL
 NW/SE Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33033; Lease #UTU-52018

Federal 15-17-9-16

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

Injection Wellbore Diagram

SURFACE CASING

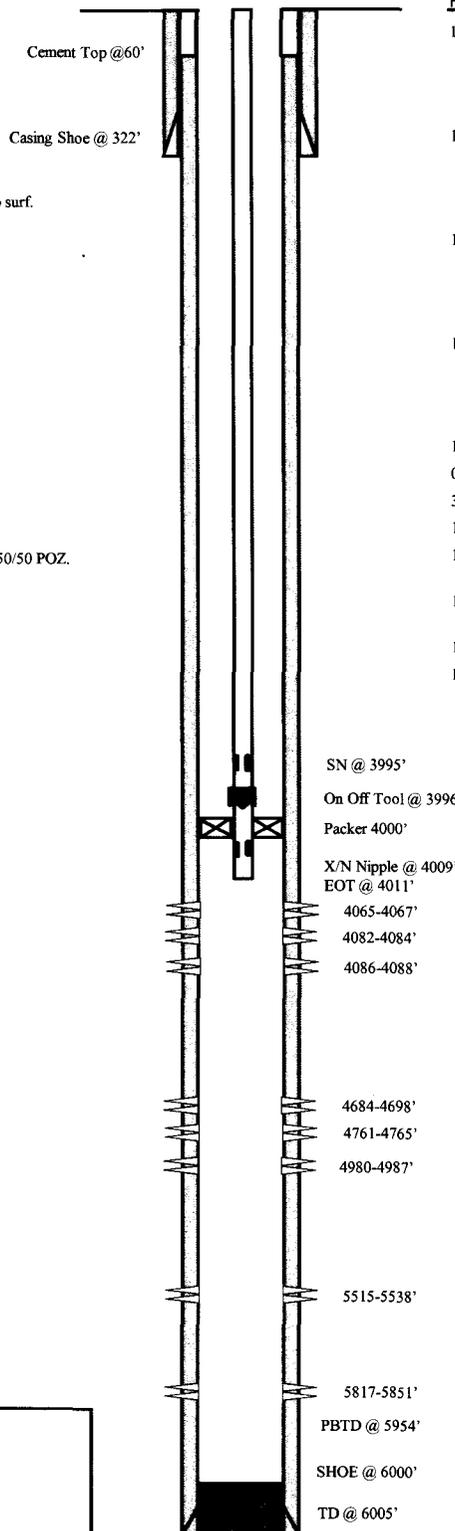
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.18')
 DEPTH LANDED: 322.03' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

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: 126 jts (3982.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3994.6' KB
 ON/OFF TOOL AT: 3995.7'
 ARROW #1 PACKER CE AT: 4000'
 XO 2-3/8 x 2-7/8 J-55 AT: 4004.7'
 TBG PUP 2-3/8 J-55 AT: 4005.2'
 X/N NIPPLE AT: 4009.4'
 TOTAL STRING LENGTH: EOT @ 4011'



FRAC JOB

10/10/06	5817-5851'	Frac CP5 sands as follows: 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'	Frac CPI sands as follows: 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'	Frac A.5 sands as follows: 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'	Frac D3 sands as follows: 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- Updated rod and tubing detail
05/02/08		Stuck Pump - Tubing detail updated.
3/19/10		Pump change. Updated rod and tubing detail.
11/24/2011		Pump Change. Updated rod & tubing detail.
10/11/12	4761-4765'	Frac C sands as follows: 32336# 20/40 sand in 409 bbls Lightning 17 frac fluid.
10/12/12	4065-4088'	Frac GB4 sands as follows: 30940# 20/40 sand in 340 bbls Lightning 17 frac fluid.
10/15/12		Convert to Injection Well
10/18/12		Conversion MIT Finalized - update tbg 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
10/09/12	4761-4765'	3 JSPF	12 holes
10/09/12	4086-4088'	3 JSPF	6 holes
10/09/12	4082-4084'	3 JSPF	6 holes
10/09/12	4065-4067'	3 JSPF	62 holes

NEWFIELD

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 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", circ. 6 bbls to surf.

PRODUCTION CASING

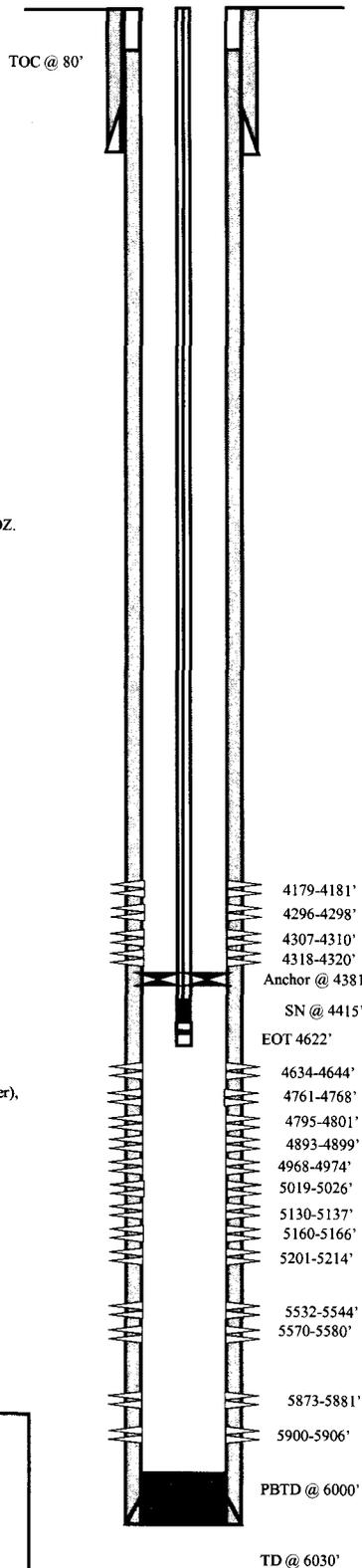
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts. (6008.45')
 DEPTH LANDED: 6021.70' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 80' per CBL 9/13/06

TUBING (GI 3/3/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts (4368.76')
 TUBING ANCHOR: 4380.76'
 NO. OF JOINTS: 1 jts (31.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4414.86'
 NO. OF JOINTS: 1 jts (31.7')
 GAS ANCHOR: 4447.66'
 2 7/8" NIPPLE: 4462.66'
 NO. OF JOINTS: 5 jts (158.7')
 BULL PLUG: 2-7/8" (0.8')
 TOTAL STRING LENGTH: EOT @ 4622.36'

SUCKER RODS (GI 3/3/11)

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS: 2', 8' x 3/4" pony rods, 75 x 7/8" guided rods(4per), 93 x 3/4" guided rods(4per), 6 x 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: .8
 PUMPING UNIT: DARCO C-228-213-86



FRAC JOB

09/19/06	5873-5906'	Frac CP5 sands as follows: 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'	Frac CP1, CP.5 sands as follows: 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'	Frac LODC sands as follows: 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'	Frac A1, A.5, B2 sands as follows: 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'	Frac B.5, C sands as follows: 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'	Frac D1 sands as follows: 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		Pump change. Updated rod & tubing details.
10/09/08		Pump Change. Rod & tubing updated.
10/8/09		Tubing Leak. Updated rod & tubing details.
12/6/10	4179-4320'	Frac PB8 & GB6 sands as follows: 68964# 20/40 sand in 426 bbls Lightning 17 fluid.
12/11/10		Re-Completion finalized - update rod & tbg detail.
1/12/2011		Tubing Leak. Update rod and tubing details
03/04/11		Stuck Pump. Rod & tubing details updated.

PERFORATION RECORD

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

Spud Date: 8-17-06
 Put on Production: 9-19-06
 GL: 6046' KB: 6058'

Federal 12-17-9-16

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (311.66')
 DEPTH LANDED: 323.51' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

Cement top @ 190'

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts (6012.04')
 DEPTH LANDED: 6025.87' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 324 sxs Prem. Lite II mixed & 451 sxs 50/50 POZ.
 CEMENT TOP AT: 190'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 165 jts (5190.4')
 TUBING ANCHOR: 5190.4' KB
 NO. OF JOINTS: 1 jts (31.60')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5224.8' KB
 NO. OF JOINTS: 2 jts (63.3')
 TOTAL STRING LENGTH: EOT @ 5290' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 10 - 3/4" guided rods, 93 - 3/4" plain rods,
 101 - 3/4" guided rods, 6-1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-3/4" x 16' x 20' RHAC
 STROKE LENGTH: 84"
 PUMP SPEED, SPM: 5 SPM

FRAC JOB

09-13-06 5113-5247' **Frac LODC sands as follows:**
 174414# 20/40 sand in 1154 bbls Lightning
 17 frac fluid. Treated @ avg press of 1707 psi
 w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc
 flush: 5111 gal. Actual flush: 4620 gal.

09-13-06 4980-4990' **Frac A1 sands as follows:**
 34935# 20/40 sand in 386 bbls Lightning 17
 frac fluid. Treated @ avg press of 2372 psi
 w/avg rate of 24.9 BPM. ISIP 2550 psi. Calc
 flush: 4978 gal. Actual flush: 4746 gal.

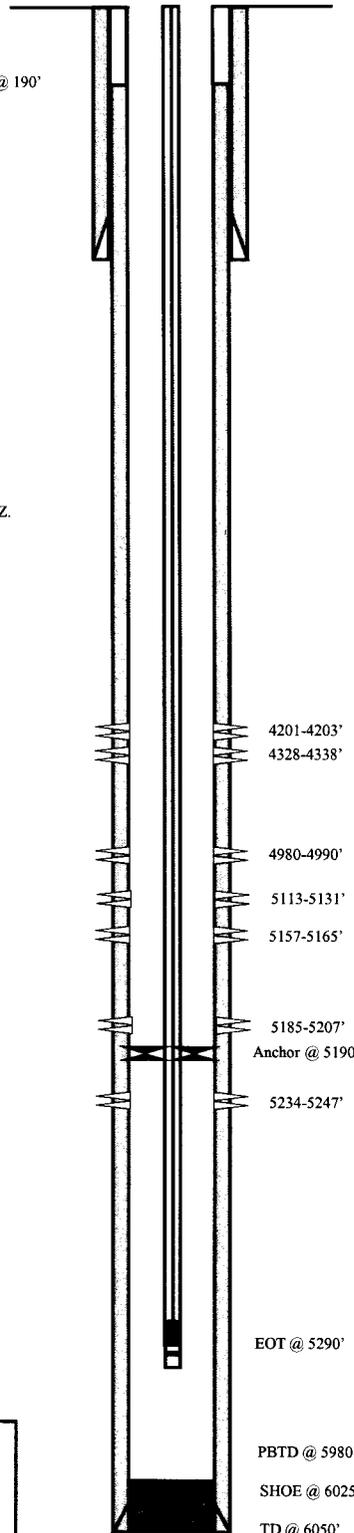
02/19/07 **Pump Change.** Update rod and tubing details.
 03/30/07 **Pump Change.** Rod & Tubing detail updated

02/11/11 4201-4338' **Frac PB8 & GB6 sands as follows:** 47662#
 20/40 sand in 294 bbls Lightning 17 fluid.

02/15/11 **Recompletion Finalized** - update rod and tbg
 detail.

PERFORATION RECORD

Date	Interval	JSPF	Holes
09-08-06	5234-5247'	4 JSPF	52 holes
09-08-06	5185-5207'	4 JSPF	88 holes
09-08-06	5157-5165'	4 JSPF	32 holes
09-08-06	5113-5131'	4 JSPF	72 holes
09-13-06	4980-4990'	4 JSPF	40 holes
02-11-11	4328-4338'	3 JSPF	30 holes
02-11-11	4201-4203'	3 JSPF	6 holes





Federal 12-17-9-16
 1919' FSL & 668' FWL
 NW/SW Section 17-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33035; Lease # UTU-52018

Federal 9-17-9-16

Spud Date: 9-11-06
 Put on Production: 11-01-06
 GL: 5953' KB: 5965'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.22')
 DEPTH LANDED: 322.07' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

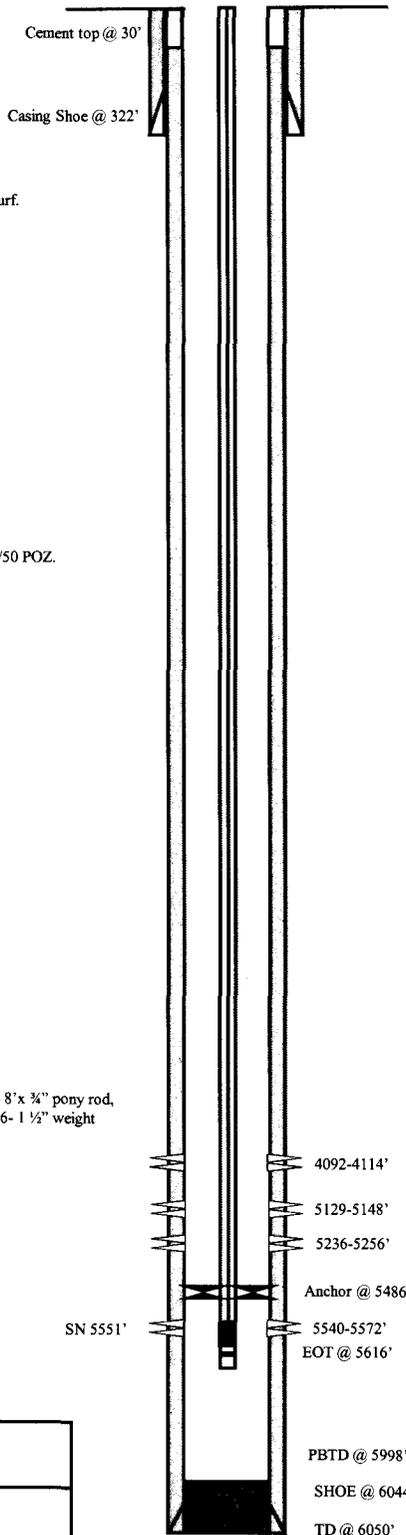
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (6032.96')
 DEPTH LANDED: 6044.21' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 30'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5485.5')
 TUBING ANCHOR: 5485.5' KB
 NO. OF JOINTS: 2 jts (63.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5551.2' KB
 NO. OF JOINTS: 2 jts (63.1')
 TOTAL STRING LENGTH: EOT @ 5616' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 1- 2' x 3/4" pony rod, 1- 6' x 3/4" pony rod, 1- 8' x 3/4" pony rod,
 99- 3/4" guided rods, 86- 3/4" guided rods, 30- 3/4" guided rods, 6- 1 1/2" weight
 bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC pump
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5 SPM



FRAC JOB

10-27-06	5540-5572'	Frac CPI sands as follows: 89695# 20/40 sand in 672 bbls Lightning 17 frac fluid. Treated @ avg press of 1635 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc flush: 5040 gal. Actual flush: 5538 gal.
10-27-06	5236-5256'	Frac LODC sands as follows: 80345# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 2685 psi w/avg rate of 27.3 BPM. ISIP 2560 psi. Calc flush: 4746 gal. Actual flush: 5234 gal.
10-27-06	5129-5148'	Frac A 3 sands as follows: 80324# 20/40 sand in 597 bbls Lightning 17 frac fluid. Treated @ avg press of 2175 psi w/avg rate of 24.7 BPM. ISIP 2240 psi. Calc flush: 4923 gal. Actual flush: 4410 gal.
10-27-06	4092-4114'	Frac GB4 sands as follows: 38251# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 1410 w/ avg rate of 14.3 BPM. ISIP 1490 psi. Calc flush: 4485 gal. Actual flush: 4410 gal.
2/23/07		Pump Change. Rod & Tubing detail updated.
05/27/08		updated rod and tubing detail
11/23/09		Pump change. Updated rod and tubing detail.

PERFORATION RECORD

10-17-06	5540-5572'	4 JSPF	128 holes
10-27-06	5236-5256'	4 JSPF	80 holes
10-27-06	5129-5148'	4 JSPF	76 holes
10-27-06	4092-4114'	4 JSPF	88 holes

NEWFIELD

Federal 9-17-9-16

2108' FSL & 636' FEL
 NE/SE Section 17-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33032; Lease # UTU-52018

Federal 8-17-9-16

Spud Date: 09/12/06
 Put on Production: 11/09/06
 K.B.: 5918, G.L.: 5906

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.03')
 DEPTH LANDED: 323.45' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6032.95')
 DEPTH LANDED: 6046.20' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 10'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 164 jts (5260.26')
 TUBING ANCHOR: 5272.26' KB
 NO. OF JOINTS: 1 jts (32.50')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5307.56' KB
 NO. OF JOINTS: 2 jts (66.03')
 TOTAL STRING LENGTH: EOT @ 5375.14' KB

SUCKER RODS

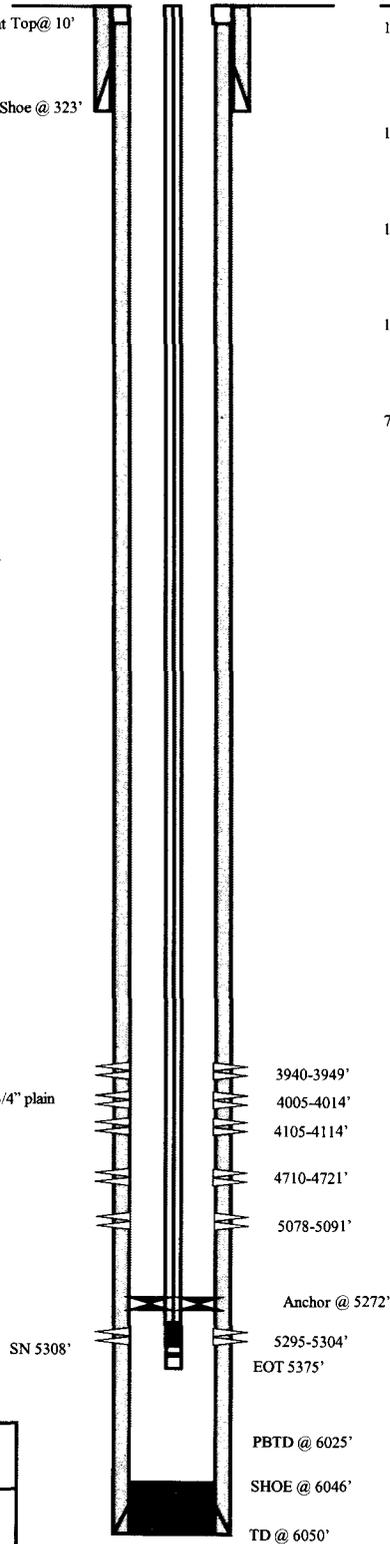
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 1-8", 2-4" x 3/4" pony rod, 92-3/4" guided rods, 81-3/4" plain rods, 30-3/4" scraped rods, 6-1 1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger
 STROKE LENGTH: 84"
 PUMP SPEED, 5 SPM:

FRAC JOB

11/06/06	5295-5304'	Frac LODC sands as follows: 30252# 20/40 sand in 392 bbls Lightning 17 frac fluid. Treated @ avg press of 3045 psi w/avg rate of 24.9 BPM. ISIP 2580 psi. Calc flush: 5302 gal. Actual flush: 4767 gal.
11/06/06	4710-4721'	Frac C sands as follows: 41525# 20/40 sand in 417bbls Lightning 17 frac fluid. Treated @ avg press of 1996 psi w/avg rate of 25.1BPM. ISIP 1960 psi. Calc flush: 4719 gal. Actual flush 4204 gal.
11/06/06	4105-4114'	Frac GB4 sands as follows: 21385# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1809 psi w/avg rate of 25.8 BPM. ISIP 1610 psi. Calc flush: 4112 gal. Actual flush: 3637 gal.
11/06/06	3940-4014'	Frac GB2 sands as follows: 68288# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1782 psi w/avg rate of 25.3 BPM. ISIP 1505 psi. Calc flush: 4012 gal. Actual flush: 3822 gal. HIT. Rod & tubing updated.
7/23/08		

PERFORATION RECORD

10/25/06	5295-5304'	4 JSPF	36 holes
11/06/06	5078-5091'	4 JSPF	52 holes
11/06/06	4710-4721'	4 JSPF	44 holes
11/06/06	4105-4114'	4 JSPF	36 holes
11/06/06	3940-3949'	4 JSPF	36 holes



NEWFIELD

Federal 8-17-9-16

1944' FNL & 675' FEL

SE/NE Section 17-T9S-R16E

Duchesne Co, Utah

API #43-013-33031; Lease #UTU-64379

Federal 7-17-9-16

Spud Date: 8-26-06
 Put on Production: 10-5-06
 GL: 5941' KB: 5953'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.66')
 DEPTH LANDED: 322.51' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6031.04')
 DEPTH LANDED: 6044.29' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 525 sxs 50/50 POZ.
 CEMENT TOP AT: 65'

TUBING

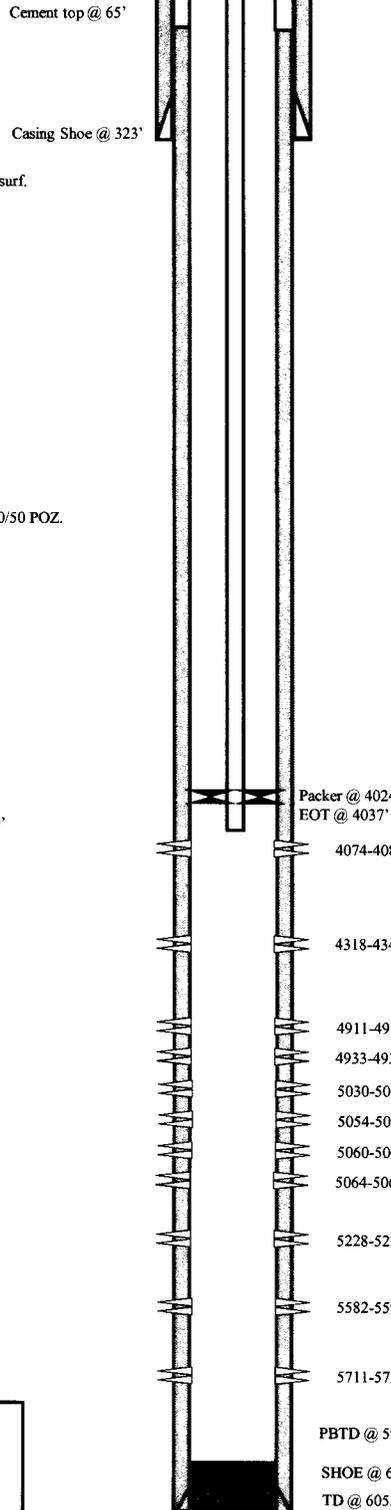
SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#
 NO. OF JOINTS: 127 jts (4009.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4021.0' KB
 ON/OFF TOOL AT: 4022.1'
 PACKER 5-1/2" AS1X w/1.875 "X" seal nipple AT: 4023.9'
 XO AT: 4030.9'
 TBG PUP 2-3/8" J-55 AT4031.4'
 XN NIPPLE 2-3/8" AT: 4035.5'
 TOTAL STRING LENGTH: EOT @ 4037'

PERFORATION RECORD

Date	Depth	Tool	Holes
09-20-06	5711-5736'	4 JSPF	100 holes
09-28-06	5582-5594'	4 JSPF	48 holes
09-28-06	5228-5270'	4 JSPF	84 holes
09-28-06	5030-5038'	4 JSPF	32 holes
09-28-06	4933-4938'	4 JSPF	20 holes
09-28-06	4911-4917'	4 JSPF	24 holes
09-29-06	4318-4340'	4 JSPF	88 holes
09-29-06	4074-4080'	4 JSPF	24 holes
08-29-12	5064-5065'	3 JSPF	3 holes
08-29-12	5060-5061'	3 JSPF	3 holes
08-29-12	5054-5055'	3 JSPF	3 holes

FRAC JOB

09-28-06	5711-5736'	Frac CP3 sands as follows: 60051# 20/40 sand in 542 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 24.6 BPM. ISIP 2010 psi. Calc flush: 5709 gal. Actual flush: 5208 gal.
09-28-06	5582-5594'	Frac CP1 sands as follows: 34140# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 1965 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc flush: 5580 gal. Actual flush: 5053 gal.
09-28-06	5228-5270'	Frac LODC sands as follows: 119568# 20/40 sand in 828 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 25.3 BPM. ISIP 2420 psi. Calc flush: 5226 gal. Actual flush: 4713 gal.
09-28-06	5030-5038'	Frac A1 sands as follows: 28464# 20/40 sand in 351 bbls Lightning 17 frac fluid. Treated @ avg press of 2205 w/ avg rate of 25 BPM. ISIP 2340 psi. Calc flush: 5028 gal. Actual flush: 4536 gal.
09-29-06	4911-4938'	Frac B2, & B1 sands as follows: 29823# 20/40 sand in 349 bbls Lightning 17 frac fluid. Treated @ avg press of 1850 w/ avg rate of 25.2 BPM. ISIP 1815 psi. Calc flush: 4909 gal. Actual flush: 4326 gal.
09-29-06	4318-4340'	Frac PB7 sands as follows: 73425# 20/40 sand in 552 bbls Lightning 17 frac fluid. Treated @ avg press of 2830 w/ avg rate of 24.9 BPM. ISIP 3290 psi. Calc flush: 4316 gal. Actual flush: 3822 gal.
09-29-06	4074-4080'	Frac GB2 sands as follows: 20053# 20/40 sand in 289 bbls Lightning 17 frac fluid. Treated @ avg press of 1945 w/ avg rate of 25 BPM. ISIP 1770 psi. Calc flush: 4072 gal. Actual flush: 3990 gal.
03-17-08		Major Workover
03-14-08	5030'-5038'	Acidize and Squeeze A1 sands as follows: pump 7 bbls techni-hib 767, 4 drms acid ave pump press @1816psi @ 2.2 BPM. ISIP @ 2100psi.
03-14-08	5228'-5270'	Acidize LODC sand as follows: 20 bbls techni-hib 767, 8 drms acid ave pump press 2128psi @ 4.3 BPM. ISIP @ 2000psi
03-14-08	5582'-5594'	Acidize CP1 sands as follows: 20 bbls techni-hib, 5 drms acid. Ave pump press @ 2585psi @ 2.7 BPM. ISIP @ 2058psi
03-14-08	5711'-5736'	Acidize CP3 sands as follows: 20 bbls techni-hib , 8 drms acid. Ave pump press @ 2307psi @ 3.9 BPM. ISIP @ 1655psi
02-15-07	4933-4938'	Pump Change: Update rod and tubing details.
04-13-07	5030-5038'	Tubing Leak: Updated rod and tubing detail.
7-18-07	5054-5065'	Tubing Leak: Updated rod & tubing detail.
1/12/09	5060-5061'	Tubing Leak. Updated rod & tubing details.
8/26/09	5064-5065'	Tubing Leak. Updated rod & tubing details.
9/22/2010		Major Workover. Update rod and tubing details
1/27/2011	5228-5270'	Tubing Leak. Update rod and tubing details
08/31/12	5054-5065'	Frac A3 sands as follows: 26408# 20/40 sand in 274bbls Lightning 17 frac fluid.
09/07/12	5582-5594'	Convert to Injection Well
09/10/12	5711-5736'	Conversion MIT Finalized - update tbg detail
	PBTD @ 5992'	
	SHOE @ 6044'	
	TD @ 6055'	



Federal 7-17-9-16
 1974' FNL & 2179' FEL
 SW/NE Section 17-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33030; Lease # UTU-64379

Federal 2-17-9-16

Spud Date: 08/29/06
 Put on Production: 10/10/06
 K.B.: 5898, G.L.: 5886

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (311.30')
 DEPTH LANDED: 323.15' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G", circ. 3 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6063.92')
 DEPTH LANDED: 6063.17' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ
 CEMENT TOP AT: 140' per CBL 9/30/06

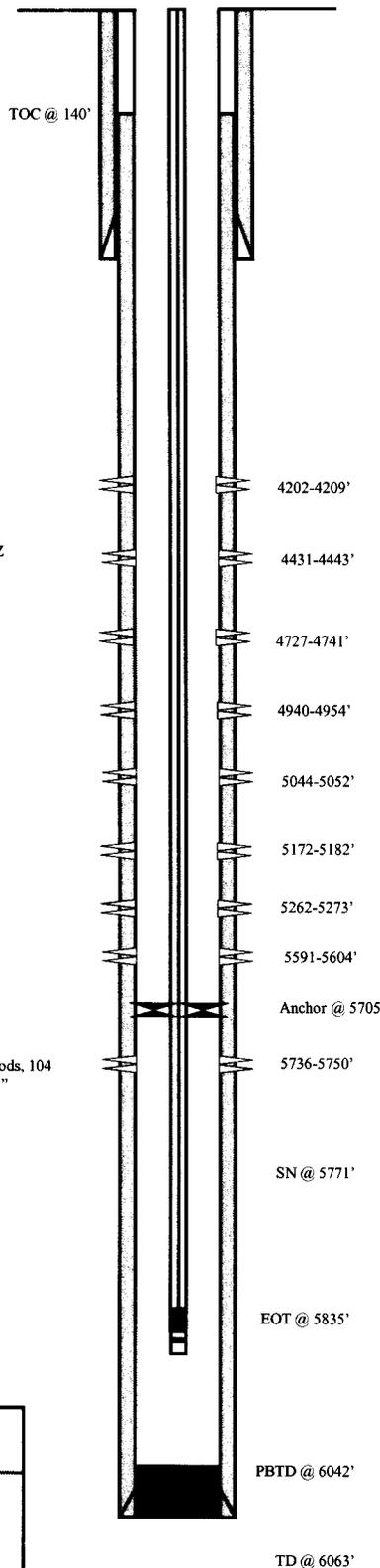
TUBING (GI 3/19/08)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 180 jts (5692.6')
 TUBING ANCHOR: 5704.6' KB
 NO. OF JOINTS: 2 jts (63.23')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5770.63' KB
 NO. OF JOINTS: 2 jts (63.21')
 NOTCHED COLLAR: 2-7/8" (0.45')
 TOTAL STRING LENGTH: EOT @ 5835.39' KB

SUCKER RODS (GI 5/9/11)

POLISHED ROD: 1-1/2" x 26' SM
 SUCKER RODS: 4', 4', 4', 6', 8' x 3/4" pony rods, 99 x 3/4" guided rods, 104 x 3/4" sucker rods, 20 x 3/4" guided rods, 6 x 1-1/2" weight rods, 4' x 1" Stabilizer rod
 PUMP SIZE: 2-1/2" x 1-1/4" x 14' x 16' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4
 PUMPING UNIT: DARCO C-228-213-86

Wellbore Diagram



FRAC JOB

Date	Job ID	Details
10/03/06	5736-5750'	Frac CP3, sands as follows: 29681# 20/40 sand in 375 bbls Lightning 17 frac fluid. Treated @ avg press of 2184 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc flush: 5748 gal. Actual flush: 5250 gal.
10/03/06	5591-5604'	Frac CP1 sands as follows: 34101# 20/40 sand in 395 bbls Lightning 17 frac fluid. Treated @ avg press of 2194 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 5602 gal. Actual flush: gal.
10/03/06	5262-5273'	Frac LODC sands as follows: 49346# 20/40 sand 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2882 psi w/avg rate of 24.6 BPM. ISIP 2700 psi. Calc flush: 5271 gal. Actual flush: 4788 gal.
10/03/06	5172-5182'	Frac A3 sands as follows: 29420# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 2296 psi w/avg rate of 24.7 BPM. ISIP 2150 psi. Calc flush: 5180 gal. Actual flush: 4662 gal.
10/04/06	5044-5052'	Frac A1 sands as follows: 34720# 20/40 sand in 386 bbls Lightning 17 frac fluid. Treated @ avg press of 2198 psi w/avg rate of 24.8 BPM. ISIP 2600 psi. Calc flush: 5050 gal. Actual flush: 4578 gal.
10/04/06	4940-4954'	Frac B2 sands as follows: 59969# 20/40 sand in 475 bbls Lightning 17 frac fluid. Treated @ avg press of 1792 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4952 gal. Actual flush: 4368 gal.
10/04/06	4727-4741'	Frac D2 sands as follows: 34580# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 1871 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4739 gal. Actual flush: 4242 gal.
10/04/06	4431-4443'	Frac PB10 sands as follows: 50316# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2487 psi w/avg rate of 24.7 BPM. ISIP 2650 psi. Calc flush: 4441 gal. Actual flush: 3948 gal.
10/04/06	4202-4209'	Frac GB6 sands as follows: 31683# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 2175 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4207 gal. Actual flush: 4074 gal.
05/20/11		Pump Change. Rod & tubing details updated.

PERFORATION RECORD

Date	Job ID	SPF	Holes
09/29/06	5736-5750'	4 JSPF	56 holes
10/03/06	5591-5604'	4 JSPF	52 holes
10/03/06	5262-5273'	4 JSPF	44 holes
10/03/06	5172-5182'	4 JSPF	40 holes
10/03/06	5044-5052'	4 JSPF	32 holes
10/04/06	4940-4954'	4 JSPF	56 holes
10/04/06	4727-4741'	4 JSPF	56 holes
10/04/06	4431-4443'	4 JSPF	48 holes
10/04/06	4202-4209'	4 JSPF	28 holes

NEWFIELD

Federal 2-17-9-16

669' FNL & 1785' FEL

NW/NE Section 17-T9S-R16E

Duchesne Co, Utah

API #43-013-33029; Lease #UTU-64379

NEWFIELD



Schematic

Well Name: GMBU N-17-9-16

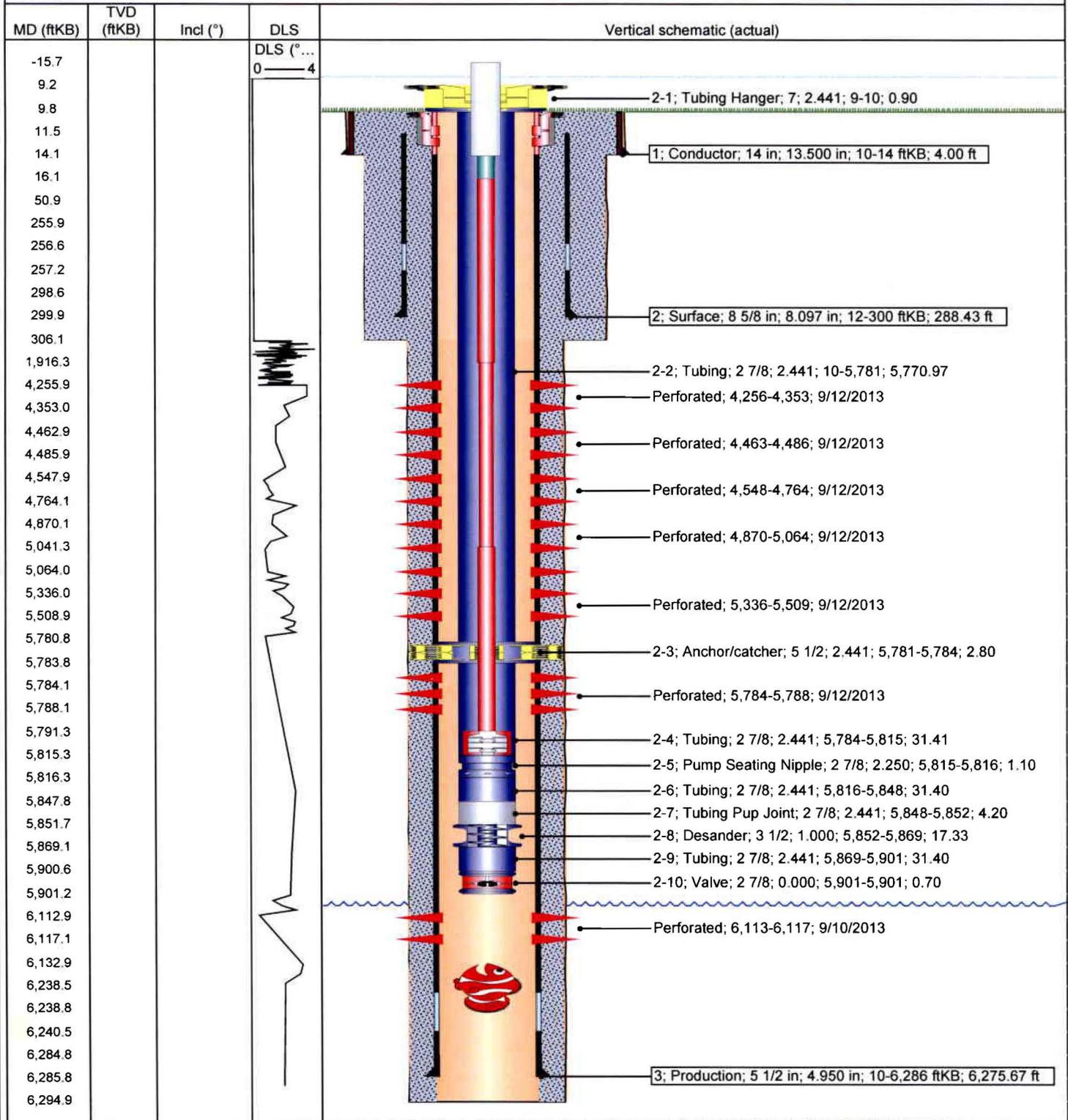
Surface Legal Location SENV 1965 FNL 2048 FWL Sec 17 T9S R16E Mer SLB			API/UWI 43013515810000	Well RC 500335182	Lease UTU74390	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 8/16/2013	Rig Release Date 9/2/2013	On Production Date 10/4/2013	Original KB Elevation (ft) 6,016	Ground Elevation (ft) 6,006	Total Depth All (TVD) (ftKB)		PBD (All) (ftKB) Original Hole - 6,239.0	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 9/10/2013	Job End Date 10/17/2013
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TD: 6,295.0

Slant - <des>, 1/23/2014 1:28:26 PM



NGC Fed. 31-20G-9-16

Spud Date: 1/04/85
 Put on Production: 4/08/85
 GL: 6051' KB: 6063'

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

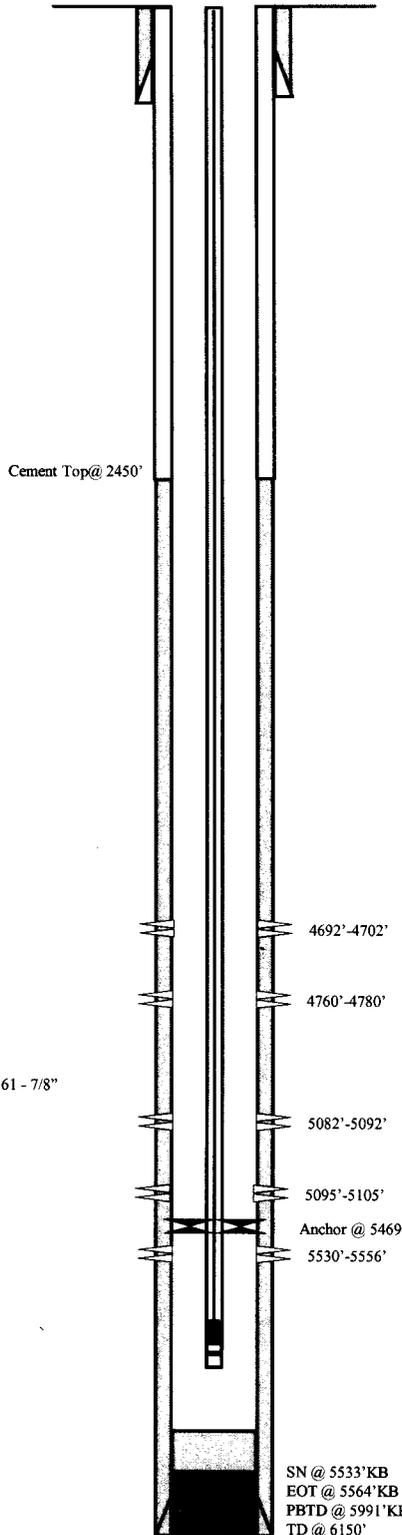
SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#
 NO. OF JOINTS: 172 jts. (5457.93')
 TUBING ANCHOR: 5469.93' KB
 NO. OF JOINTS: 2 jts. (62.00')
 SN LANDED AT: 1.10' x 2 7/8" (5533.03') KB
 NO. OF JOINTS: 1 jt. (31.90')
 TOTAL STRING LENGTH: 5564.93' KB

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

Date	Interval	Details
3/10/85	5530'-5556'	Frac zone as follows: 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'	Frac zone as follows: 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'	Frac zone as follows: 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'	Frac zone as follows: 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	Interval	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

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

NEWFIELD

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

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

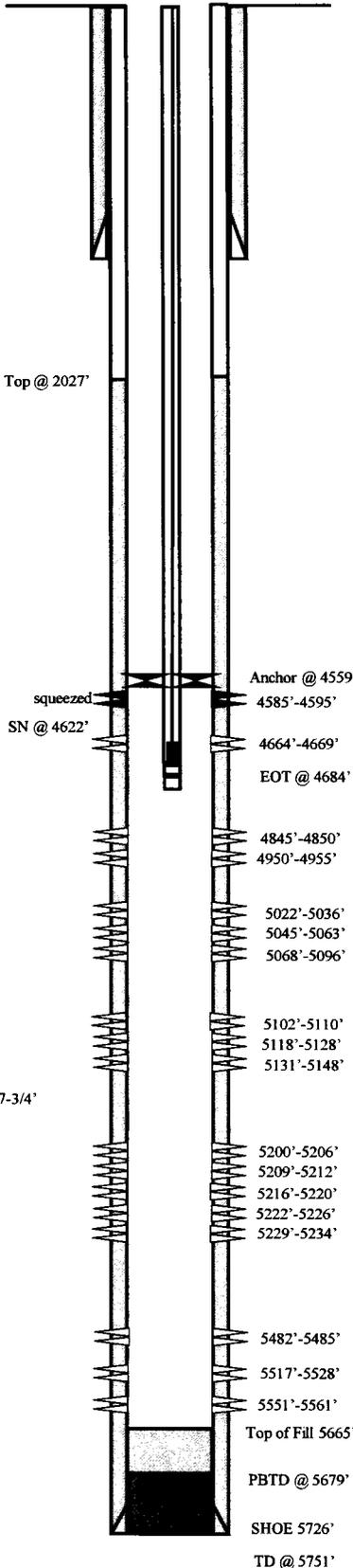
SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
 NO. OF JOINTS: 145 jts. 4549.45'
 TUBING ANCHOR: 4559.45'
 NO. OF JOINTS: 2 jt. (60.20')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4622.45' KB
 NO. OF JOINTS: 1 jt. (60.19')
 TOTAL STRING LENGTH: EOT @ 4684.19'

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 I-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 I-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 I-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 I-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

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)

NEWFIELD



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

West Point #5-17-9-16

Spud Date: 12/10/2001
 Put on Injection: 7/30/2003
 GL: 5984' KB: 5994'

Initial Production: 63 BOPD,
 115 MCFD, 21 BWPD

Injection Well Wellbore Diagram

SURFACE CASING

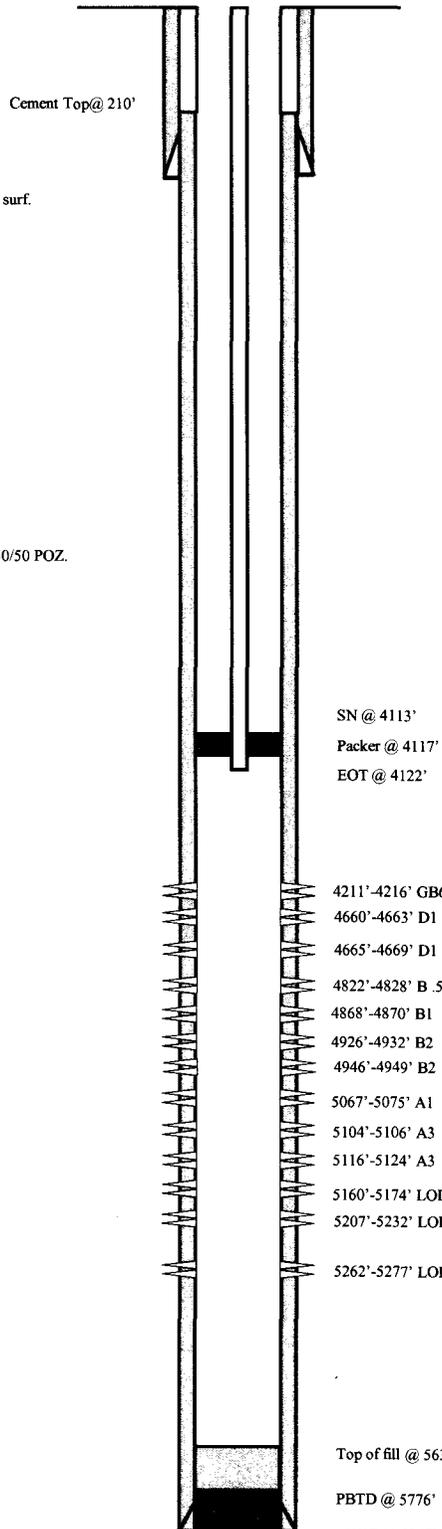
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (302.04')
 DEPTH LANDED: 310.04' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 145 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5849.11')
 DEPTH LANDED: 5846.71' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 210' per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#
 NO. OF JOINTS: 126 jts (4103.08')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4113.08' KB
 PACKER: 4117.48'
 TOTAL STRING LENGTH: EOT @ 4121.53' KB



FRAC JOB

7/22/02	5067'-5277'	Frac A1, A3, LODC sands as follows: 158,285# 20/40 sand in 1062 bbls Viking I-25 fluid. Treated @ avg press of 1650 psi w/avg rate of 28 BPM. ISIP 2040 psi. Calc flush: 5067 gal. Actual flush: 4998 gal.
7/22/02	4822'-4949'	Frac B0.5, B1, B2 sands as follows: 59,431# 20/40 sand in 474 bbls Viking I-25 fluid. Treated @ avg press of 2100 psi w/avg rate of 27 BPM. ISIP 2010 psi. Calc flush: 4822 gal. Actual flush: 4725 gal.
7/22/02	4660'-4669'	Frac D1 sand as follows: 19,371# 20/40 sand in 237 bbls Viking I-25 fluid. Treated @ avg press of 2250 psi w/avg rate of 27 BPM. ISIP 1910 psi. Calc flush: 4660 gal. Actual flush: 4578 gal.
7/22/02	4211'-4216'	Frac GB6 sands as follows: 19,416# 20/40 sand in 173 bbls Viking I-25 fluid. Treated @ avg press of 2800 psi w/avg rate of 24.5 BPM. Screened out w/ 7623# sand in formation and 11,793# sand in casing. Calc flush: 4211 gal. Actual flush: 1911 gal. ISIP - NA.
7/30/03		Converted to Water Injector.
6/25/08		5 Year MIT completed and submitted.

SN @ 4113'
 Packer @ 4117'
 EOT @ 4122'

4211'-4216' GB6
 4660'-4663' D1
 4665'-4669' D1
 4822'-4828' B.5
 4868'-4870' B1
 4926'-4932' B2
 4946'-4949' B2
 5067'-5075' A1
 5104'-5106' A3
 5116'-5124' A3
 5160'-5174' LODC
 5207'-5232' LODC
 5262'-5277' LODC

Top of fill @ 5637'
 PBTD @ 5776'
 SHOE @ 5847'
 TD @ 5851'

PERFORATION RECORD

7/19/02	5262'-5277'	4 JSPF	60 holes
7/19/02	5207'-5232'	4 JSPF	100 holes
7/19/02	5160'-5174'	4 JSPF	56 holes
7/19/02	5116'-5124'	4 JSPF	32 holes
7/19/02	5104'-5106'	4 JSPF	08 holes
7/19/02	5067'-5075'	4 JSPF	32 holes
7/22/02	4946'-4949'	4 JSPF	12 holes
7/22/02	4926'-4932'	4 JSPF	24 holes
7/22/02	4868'-4870'	4 JSPF	08 holes
7/22/02	4822'-4828'	4 JSPF	24 holes
7/22/02	4665'-4669'	4 JSPF	16 holes
7/22/02	4660'-4663'	4 JSPF	12 holes
7/22/02	4211'-4216'	4 JSPF	20 holes



West Point #5-17-9-16
 1845' FNL & 850' FWL
 SWNW Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32281; Lease #UTU-74390

West Point 6-17-9-16

Spud Date: 4/11/02
 Put on Production: 8/12/02
 GL: 6005' KB: 6015'

Initial Production: 52 BOPD,
 52 MCFD, 14 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

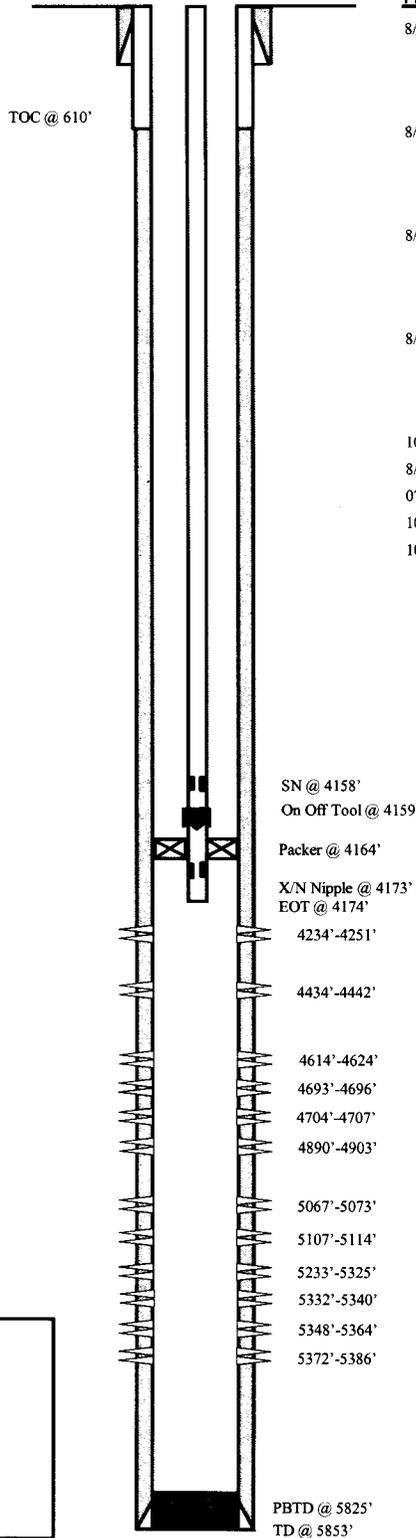
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (298.85')
 DEPTH LANDED: 306.85'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 150 sxs Class "G" cmt, circ 2 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131jts (5853.63')
 DEPTH LANDED: 5851.23'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 275 sxs Premite II & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 610' per CBL 8/5/02

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 128 jts (4148.2')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4158.2' KB
 ON/OFF TOOL AT: 4159.3'
 ARROW #1 PACKER CE AT: 4164.5'
 XO 2-3/8 x 2-7/8 J-55 AT: 4168.2'
 TBG PUP 2-3/8 J-55 AT: 4168.7'
 X/N NIPPLE AT: 4172.8'
 TOTAL STRING LENGTH: EOT @ 4174.4'



FRAC JOB

8/05/02 5233'-5386' **Frac LODC sand as follows:**
 199,413# 20/40 sand in 859 bbls Viking I-25 fluid. Treated @ avg press of 1657 psi w/avg rate of 25.5 BPM. ISIP 2250 psi. Calc flush: 5233 gal. Actual flush: 5166 gal.

8/05/02 4890'-5114' **Frac B1, A1, A3 sands as follows:**
 65,332# 20/40 sand in 280 bbls Viking I-25 fluid. Treated @ avg press of 1876 psi w/avg rate of 26.1 BPM. ISIP 2140 psi. Calc flush: 4890 gal. Actual flush: 4809 gal.

8/05/02 4614'-4707' **Frac D1, DS2 sands as follows:**
 43,479# 20/40 sand in 210 bbls Viking I-25 fluid. Treated @ avg press of 2458 psi w/avg rate of 22.4 BPM. ISIP 1940 psi. Calc flush: 4614 gal. Actual flush: 4536 gal.

8/06/02 4234'-4442' **Frac GB6, PB10 sands as follows:**
 49,565# 20/40 sand in 228 bbls Viking I-25 fluid. Treated @ avg press of 2234 psi w/avg rate of 24.5 BPM. ISIP 2150 psi. Calc flush: 4234 gal. Actual flush: 4116 gal.

10/7/02 **Pump change.** Update rod details.
 8/24/04 **Parted Rods.** Update rod details.
 07/07/05 **Parted Rods.** Update rod and tubing details
Convert to Injection Well
Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
8/02/02	5372'-5386'	2 JSPP	28 holes
8/02/02	5348'-5364'	2 JSPP	32 holes
8/02/02	5332'-5340'	2 JSPP	16 holes
8/02/02	5233'-5325'	2 JSPP	184 holes
8/05/02	5107'-5114'	4 JSPP	28 holes
8/05/02	5067'-5073'	4 JSPP	24 holes
8/05/02	4890'-4903'	4 JSPP	52 holes
8/05/02	4704'-4707'	4 JSPP	12 holes
8/05/02	4693'-4696'	4 JSPP	12 holes
8/05/02	4614'-4624'	4 JSPP	40 holes
8/06/02	4434'-4442'	4 JSPP	32 holes
8/06/02	4234'-4251'	4 JSPP	68 holes

NEWFIELD

West Point 6-17-9-16
 1984' FNL & 2050' FWL
 SE NW Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32283; Lease #UTU-74390

Well Name: **GMBU H-17-9-16**

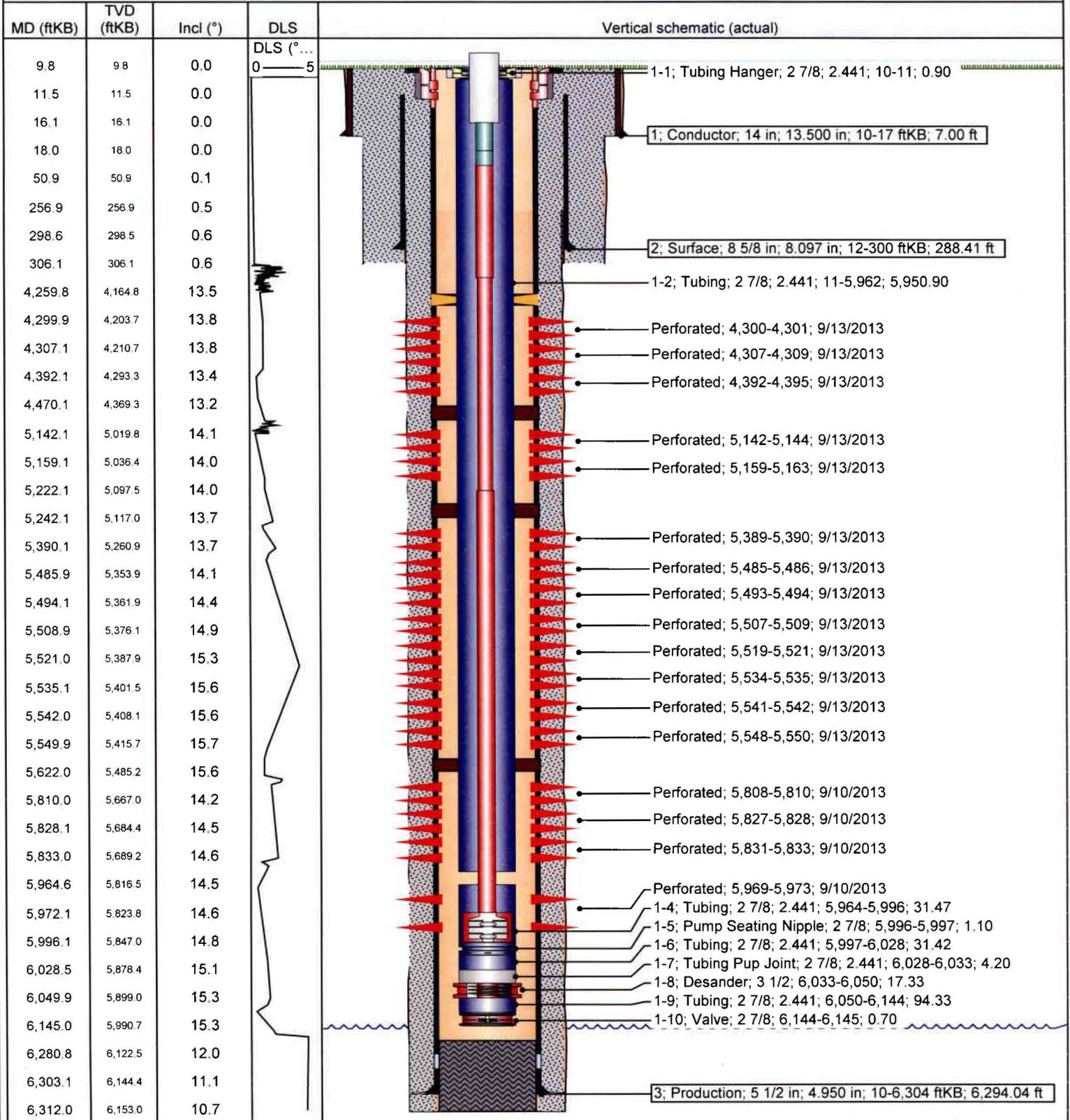
API/UWI 43013515730000	Surface Legal Location SENW 1944 FNL 2044 FWL Sec 17 T9S R16E Mer SLB	Field Name GMBU CTB3	Well RC 500335149	State/Province Utah	Well Type Development	Well Config Vertical
Original KB Elevation (ft) 6,016	KB-Tubing Head Distance (ft)	Well Start Date 8/17/2013	Final Rig Release Date 9/6/2013	On Production Date 10/4/2013	PBTD (All) (ftKB)	Total Depth (All) (ftKB) Original Hole - 6,312.0

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 9/10/2013	Job End Date 10/4/2013
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TD: 6,312.0

Vertical - Original Hole, 12/5/2013 2:08:32 PM



Spud Date: 04-17-08
 Put on Production: 06-10-08
 GL: 5950' KB: 5962'

State 12-16-9-16

Injection Wellbore
 Diagram

SURFACE CASING

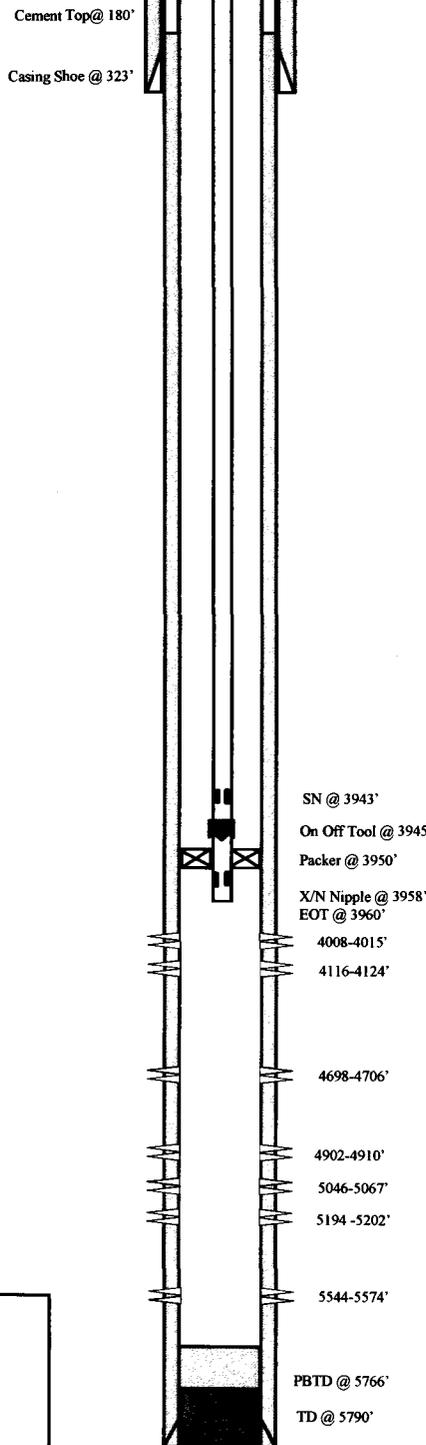
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.7')
 DEPTH LANDED: 323'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 160 sx Class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141jts
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5787.23'
 CEMENT DATA: 300 sx Premilite II and 400 sx 50/50 Poz.
 CEMENT TOP AT: 180'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 128 jts (3930.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3943.5' KB
 ON/OFF TOOL AT: 3944.6'
 ARROW #1 PACKER CE AT: 3949.8'
 XO 2-3/8 x 2-7/8 J-55 AT: 3953.5'
 TBG PUP 2-3/8 J-55 AT: 3954.1'
 X/N NIPPLE AT: 3958.2'
 TOTAL STRING LENGTH: EOT @ 3959.75'



FRAC JOB

06-02-08 5544-5574' Frac CP1 sds as follows: 129,858# 20/40 sand in 990 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1557 psi w/ ave rate of 25.7 BPM. ISIP 1756 psi. Actual Flush: 4956 gals.

06-02-08 5194-5202' Frac LODC sds as follows: 40,109# 20/40 sand in 426 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2182 psi w/ ave rate of 26.5 BPM. ISIP 2297 psi. Actual Flush: 4687 gals.

06-02-08 5046-5067' Frac A1 sds as follows: 140,344# 20/40 sand in 1049 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1990 psi w/ ave rate of 28.3 BPM. ISIP 2225 psi. Actual Flush: 4540 gals.

06-02-08 4902-4910' Frac B2 sds as follows: 48,476# 20/40 sand in 464 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1990 psi w/ ave rate of 26.2 BPM. ISIP 2071 psi. Actual Flush: 4456 gals.

06-02-08 4698-4706' Frac D2 sds as follows: 55,518# 20/40 sand in 489 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2128 psi w/ ave rate of 26.2 BPM. ISIP 2145 psi. Actual Flush: 4183 gals.

06-02-08 4116-4124' Frac GB4 sds as follows: 22,357# 20/40 sand in 326 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2230 psi w/ ave rate of 24.0 BPM. ISIP 1880 psi. Actual Flush: 3675 gals.

06-02-08 4008-4015' Frac GB2 sds as follows: 17,193# 20/40 sand in 264 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1778 psi w/ ave rate of 24.3 BPM. ISIP 1632 psi. Actual Flush: 3931 gals.

08/15/13
 08/16/13

Convert to Injection Well
Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

4008-4015'	4 JSPF	28 holes
4116-4124'	4 JSPF	32 holes
4698-4706'	4 JSPF	32 holes
4902-4910'	4 JSPF	32 holes
5046-5067'	4 JSPF	84 holes
5194-5202'	4 JSPF	32 holes
5544-5574'	4 JSPF	120 holes

NEWFIELD

State 12-16-9-16
 2034' FSL & 504' FWL
 NW/SW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33852; Lease #Utah State ML-16532

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

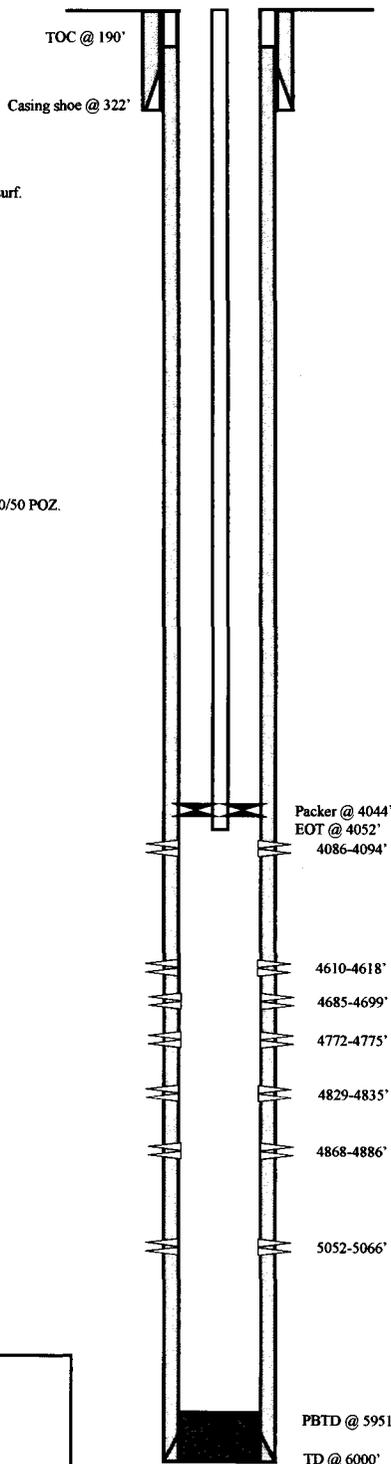
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.19')
 DEPTH LANDED: 322.04' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

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 as follows:** 23718# 20/40 sand in 309 bbls Lightning 17 frac fluid.
 05/11/12 **Convert to Injection Well**
 05/15/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Depth Range	Number of Holes	Notes
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

NEWFIELD



GMBU G-17-9-16

Uinta Central Basin - Duchesne County, Utah, USA

Surf Location: SW/NW - Sec 17, T9S, R16E; 1,897' FNL & 863' FEL

9985' GL + 10' KB

API#: 43-013-51168; Lease#: UTU-74390

Paul Lembcke

PFM 11/20/2012

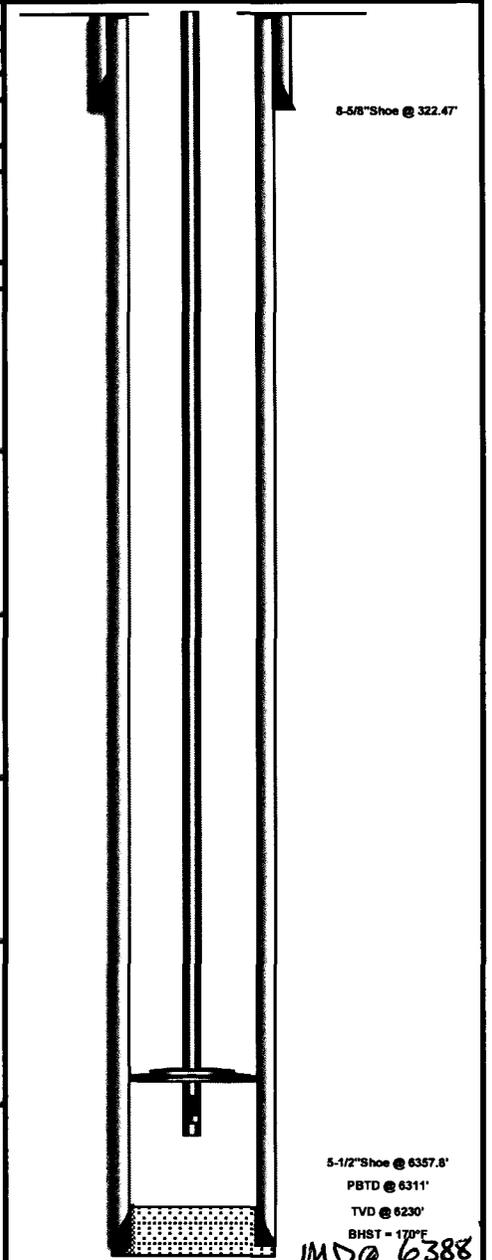
Spud Date: 10/13/2012; PoP Date: 1/31/2013

CASING DETAIL	Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
	Surf	10'	322'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,358'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875	

TBG. DETAIL	Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger	
	10'	5,574'	8EUE	2-7/8"	8.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,476'	

ROD DETAIL	Component		Top	Bottom	Size	Grade	Length	Count	Pump	
	Polish Rod		0'	30'	-	C(API)	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,480'.	
4per Guided Rod		30'	1,930'	7/8"	Tenaris D78	1,900'	76			
4per Guided Rod		1,930'	4,780'	3/4"	Tenaris D78	2,850'	114			
8per Guided Rod		4,780'	5,480'	7/8"	Tenaris D78	700'	28			

Stage	Top	Bottom	SPF	Gun Size	Date	Frac Summary						
6	4,261'	4,262'	3	1"	1/18/2013	Formation:	GB6	GB4				
	4,264'	4,266'	3	2"	1/18/2013	20/40 White:	98,879 lbs	15% HCl:	0 gals			
	4,318'	4,320'	3	2"	1/18/2013	Pad:	1,701 gals	Treating Fluid:	22,079 gals			
	4,329'	4,331'	3	2"	1/18/2013	Flush:	4,271 gals	Load to Recover:	28,052 gals			
	0'	0'	3	0'	-	ISIP=	0.880 psi/ft	Max STP:	3,515 psi			
	0'	0'	3	0'	-							
5	4,548'	4,552'	3	4"	1/18/2013	Formation:	PB10					
	0'	0'	3	0'	-	20/40 White:	24,194 lbs	15% HCl:	252 gals			
	0'	0'	3	0'	-	Pad:	5,699 gals	Treating Fluid:	6,178 gals			
	0'	0'	3	0'	-	Flush:	4,796 gals	Load to Recover:	16,674 gals			
	0'	0'	3	0'	-	ISIP=	0.880 psi/ft	Max STP:	2,841 psi			
	0'	0'	3	0'	-							
4	4,736'	4,738'	3	2"	1/18/2013	Formation:	DS3	DS2				
	4,770'	4,774'	3	4"	1/18/2013	20/40 White:	104,344 lbs	15% HCl:	252 gals			
	0'	0'	3	0'	-	Pad:	1,315 gals	Treating Fluid:	23,793 gals			
	0'	0'	3	0'	-	Flush:	4,876 gals	Load to Recover:	29,984 gals			
	0'	0'	3	0'	-	ISIP=	0.970 psi/ft	Max STP:	3,155 psi			
	0'	0'	3	0'	-							
3	4,822'	4,824'	3	2"	1/18/2013	Formation:	D1					
	4,831'	4,835'	3	4"	1/18/2013	20/40 White:	46,418 lbs	15% HCl:	252 gals			
	0'	0'	3	0'	-	Pad:	2,953 gals	Treating Fluid:	11,092 gals			
	0'	0'	3	0'	-	Flush:	5,082 gals	Load to Recover:	19,127 gals			
	0'	0'	3	0'	-	ISIP=	0.870 psi/ft	Max STP:	2,784 psi			
	0'	0'	3	0'	-							
2	5,103'	5,104'	3	1"	1/18/2013	Formation:	A1	B2				
	5,136'	5,138'	3	2"	1/18/2013	20/40 White:	74,737 lbs	15% HCl:	252 gals			
	5,223'	5,227'	3	4"	1/18/2013	Pad:	1,487 gals	Treating Fluid:	17,850 gals			
	0'	0'	3	0'	-	Flush:	5,330 gals	Load to Recover:	24,667 gals			
	0'	0'	3	0'	-	ISIP=	0.880 psi/ft	Max STP:	3,942 psi			
	0'	0'	3	0'	-							
1	5,481'	5,482'	3	1"	1/9/2013	Formation:	LODC					
	5,483'	5,484'	3	1"	1/9/2013	20/40 White:	139,958 lbs	15% HCl:	252 gals			
	5,490'	5,492'	3	2"	1/9/2013	Pad:	5,893 gals	Treating Fluid:	32,529 gals			
	5,513'	5,516'	3	3"	1/9/2013	Flush:	5,704 gals	Load to Recover:	44,125 gals			
	0'	0'	3	0'	-	ISIP=	0.870 psi/ft	Max STP:	2,987 psi			
	0'	0'	3	0'	-							



CEMENT	Surf	On 10/13/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.
	Prod	On 11/3/12 Baker pumped 240 sks lead @ 11 ppg w/ 3.53 yield plus 470 sks tail @ 14.4 ppg w/ 1.24 yield. Returned 20 bbls to the pit. TOC @ Surface.

5-1/2" Shoe @ 6357.8'
 PBTD @ 6311'
 TVD @ 6230'
 BHST = 170°F
 MDA 6388

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

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **FEDERAL 10-17-9-16**
Sample Point: **Treater**
Sample Date: **7/17/2013**
Sample ID: **WA-248310**

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

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	7/24/2013	<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
System Temperature 1 (°F):	120	Sodium (Na):	6250.82	Chloride (Cl):	9000.00
System Pressure 1 (psig):	60	Potassium (K):	48.00	Sulfate (SO4):	33.00
System Temperature 2 (°F):	210	Magnesium (Mg):	7.00	Bicarbonate (HCO3):	1220.00
System Pressure 2 (psig):	60	Calcium (Ca):	6.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.009	Strontium (Sr):	6.00	Acetic Acid (CH3COO)	
pH:	8.50	Barium (Ba):	26.00	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	16612.64	Iron (Fe):	0.60	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.20	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	5.00	Manganese (Mn):	0.02	Silica (SiO2):	14.98

Notes:
B=6

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.87	4.46	0.78	11.19	2.28	0.33	1.86	0.43	0.00	0.00	0.00	0.00	0.00	0.00	7.56	0.01
200.00	60.00	0.82	4.37	0.79	11.32	2.27	0.33	1.82	0.43	0.00	0.00	0.00	0.00	0.00	0.00	7.65	0.01
190.00	60.00	0.78	4.28	0.81	11.48	2.26	0.33	1.78	0.43	0.00	0.00	0.00	0.00	0.00	0.00	7.74	0.01
180.00	60.00	0.73	4.18	0.84	11.65	2.26	0.33	1.73	0.43	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.01
170.00	60.00	0.69	4.07	0.87	11.86	2.27	0.33	1.69	0.43	0.00	0.00	0.00	0.00	0.00	0.00	7.95	0.01
160.00	60.00	0.65	3.96	0.90	12.08	2.28	0.33	1.64	0.43	0.00	0.00	0.00	0.00	0.00	0.00	8.06	0.01
150.00	60.00	0.62	3.85	0.94	12.33	2.30	0.33	1.59	0.42	0.00	0.00	0.00	0.00	0.00	0.00	8.18	0.01
140.00	60.00	0.58	3.73	0.98	12.58	2.32	0.33	1.54	0.42	0.00	0.00	0.00	0.00	0.00	0.00	8.31	0.01
130.00	60.00	0.55	3.61	1.03	12.86	2.35	0.33	1.49	0.42	0.00	0.00	0.00	0.00	0.00	0.00	8.45	0.01
120.00	60.00	0.52	3.49	1.09	13.13	2.39	0.33	1.43	0.42	0.00	0.00	0.00	0.00	0.00	0.00	8.60	0.01

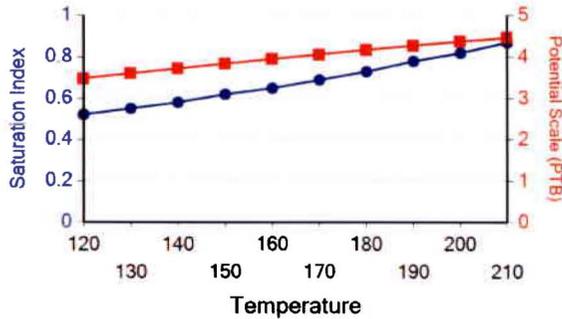
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4 [~] 0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.01	9.62	0.08	5.19	12.84	1.92	6.79	8.51	0.47
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.01	9.78	0.08	4.82	12.49	1.70	6.28	8.25	0.47
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.01	9.94	0.08	4.43	12.05	1.48	5.72	7.99	0.47
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	10.12	0.08	4.04	11.53	1.26	5.09	7.72	0.47
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	10.30	0.08	3.64	10.90	1.03	4.40	7.46	0.47
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50	0.08	3.24	10.15	0.80	3.63	7.19	0.47
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.71	0.08	2.83	9.30	0.57	2.81	6.93	0.47
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.93	0.08	2.42	8.33	0.34	1.92	6.67	0.46
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.16	0.08	2.01	7.25	0.12	0.98	6.41	0.46
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41	0.08	1.59	6.05	0.00	0.00	6.15	0.46

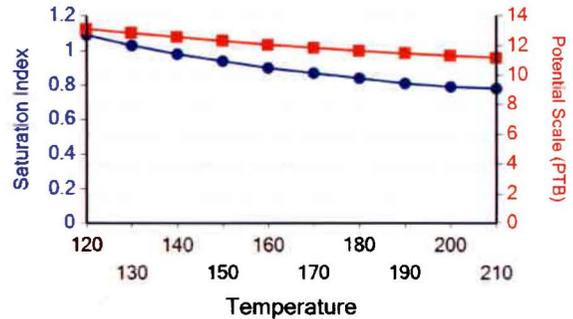
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

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

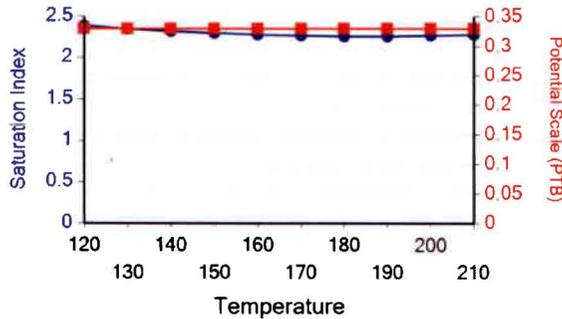
Calcium Carbonate



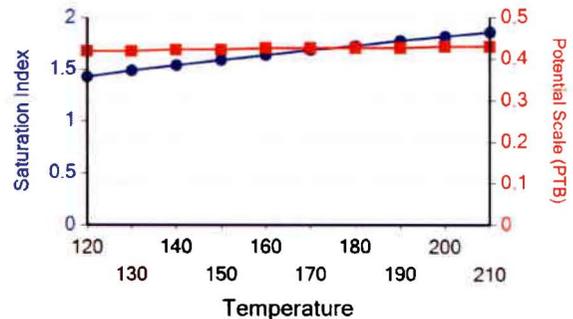
Barium Sulfate



Iron Sulfide

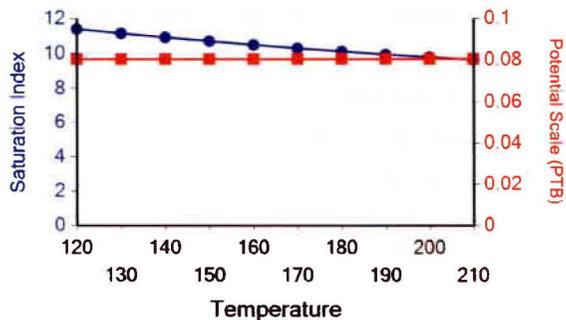


Iron Carbonate

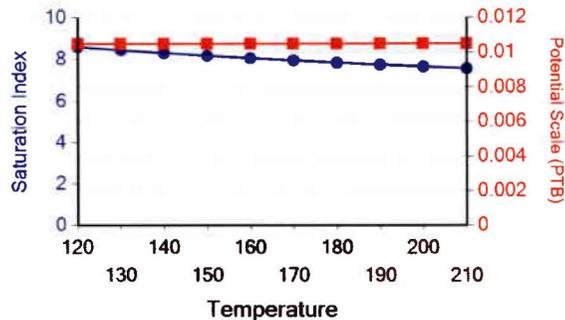


Water Analysis Report

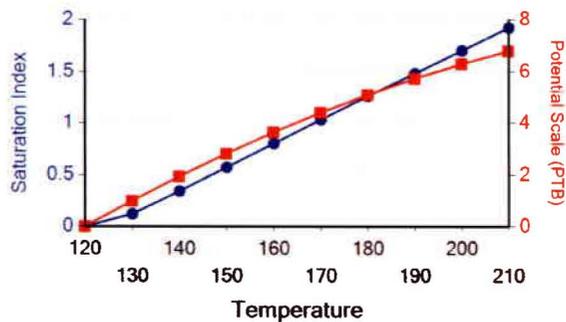
Lead Sulfide



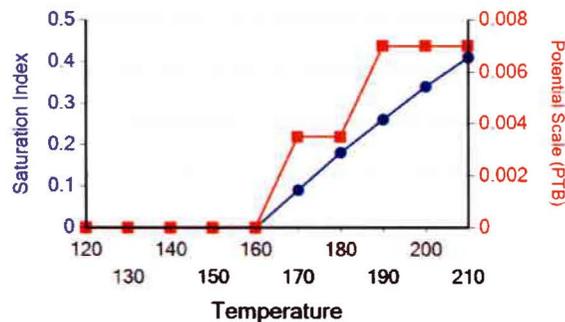
Zinc Sulfide



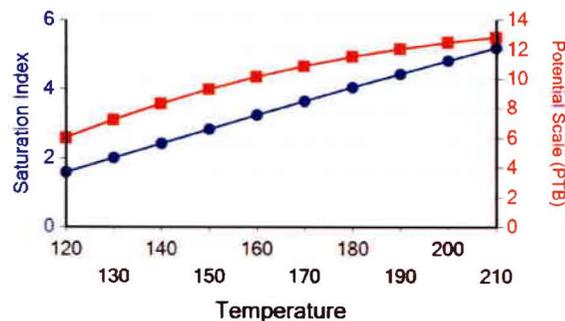
Ca Mg Silicate



Zinc Carbonate



Mg Silicate

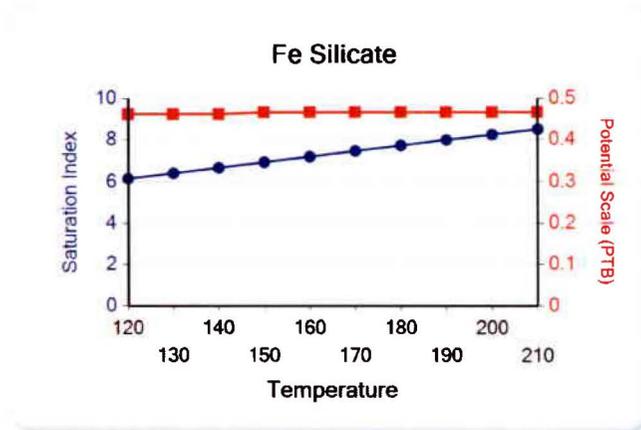


Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Water Analysis Report



Multi-Chem Analytical Laboratory

1553 East Highway 40
Vernal, UT 84078



A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

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

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

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	<i>Cations</i>	<i>mg/L</i>	<i>Anions</i>	<i>mg/L</i>
System Temperature 1 (°F):	120.00	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	11.00	Sulfate (SO4):	120.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	26.00	Bicarbonate (HCO3):	366.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	46.20	Carbonate (CO3):	
Calculated Density (g/ml):	0.999	Strontium (Sr):		Acetic Acid (CH3COO)	
pH:	6.80	Barium (Ba):	0.17	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	2304.49	Iron (Fe):	0.13	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	15.00	Lead (Pb):	0.00	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	2.50	Manganese (Mn):	0.04	Silica (SiO2):	

Notes:
9:30

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

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

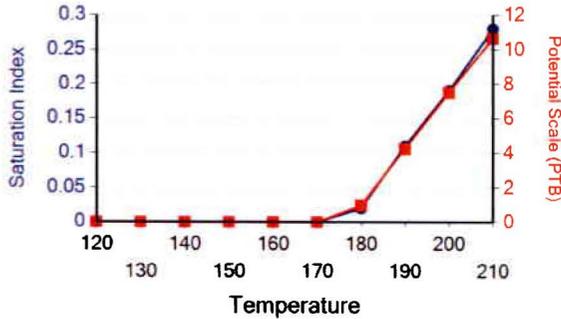
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

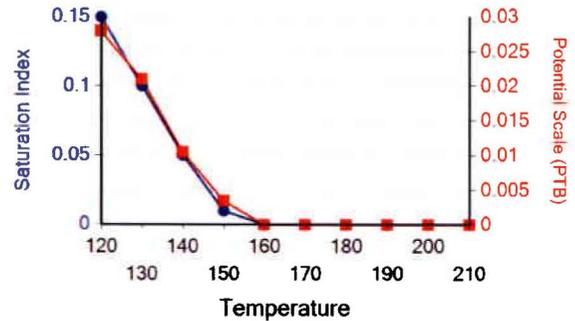
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

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

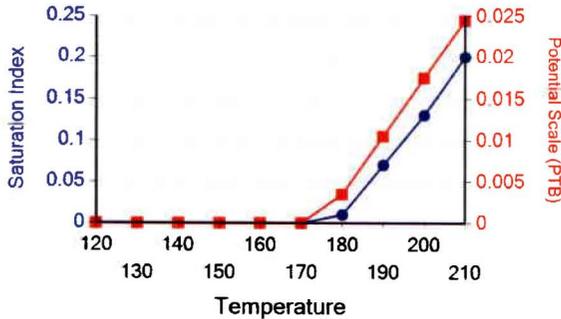
Calcium Carbonate



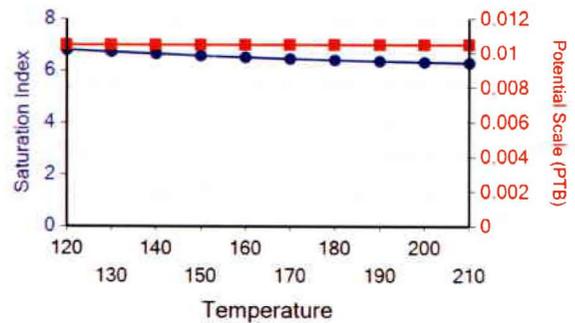
Barium Sulfate



Iron Sulfide



Zinc Sulfide



Attachment "G"

**Federal #10-17-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5572	5597	5585	2180	0.82	2144
5324	5338	5331	2250	0.86	2215
4909	4916	4913	1930	0.83	1898
4208	4224	4216	1775	0.85	1748
				Minimum	<u><u>1748</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 10-17-9-16 Report Date: 10/12/2006 Day: 1
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 6038' Csg PBTD: 5955' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Row 1: CP 1 sds, 5572-5597', 4/100

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Oct-06 SITP: SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5955' & cement top @ 30' Perforate stage #1, CP1 sds @ 5572-97' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 100 shots. 142 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date:
Fluid lost/recovered today: 142 Oil lost/recovered today:
Ending fluid to be recovered: 142 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

- Weatherford BOP
NPC NU crew
NDSI trucking
Perforators LLC
Drilling cost
Zubiate Hot Oil
Location preparation
NPC wellhead
Benco - anchors
Admin. Overhead
NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Don Dulen

DAILY COST: \$0

TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: Federal 10-17-9-16 **Report Date:** 10/17/2006 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 6038' **Csg PBTD:** 5955' WL
Tbg: Size: Wt: **Grd:** Pkr/EOT @: **BP/Sand PBTD:**

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>CP 1 sds</u>	<u>5572-5597'</u>	<u>4/100</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Oct-06 **SITP:** 0 **SICP:** 0

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac stage #1, CP1 sds down casing w/ 90,054#'s of 20/40 sand ir 666 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing. Perfs broke down @ 2298 psi, back to 1111 psi Treated @ ave pressure of 1764 @ ave rate of 25 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2180. 808 bbls EWTR. Leave pressure on well. **See day2b.**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 142 **Starting oil rec to date:** _____
Fluid lost/recovered today: 666 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 808 **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: CP1 sds down casing

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

6804 gals of pad
4625 gals w/ 1-5 ppg of 20/40 sand
9250 gals w/ 5-8 ppg of 20/40 sand
1749 gals w/ 8 ppg of 20/40 sand
504 gals of 5% HCL acid
Flush w/ 5040 gals of slick water

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

Max TP: 2060 **Max Rate:** 25.1 **Total fluid pmpd:** 666 bbls
Avg TP: 1764 **Avg Rate:** 25 **Total Prop pmpd:** 90,054#'s
ISIP: 2180 **5 min:** _____ **10 min:** _____ **FG:** .85

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 10-17-9-16 **Report Date:** 10/17/2006 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 6038' **Csg PBTD:** 5955' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5440'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
LODC sds	5324-5338'	4/56	_____	_____	_____
CP 1 sds	5572-5597'	4/100	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Oct-06 **SITP:** _____ **SICP:** 1490

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 14' per gun. Set plug @ 5440'. Perforate LODC sds @ 5324-38' w/ 3-1/8" Slick Gun (23 gram, .43"HE, 90°) w 4 spf for tota of 56 shots. RU BJ & perfs won't break down. RIH & spot 10 gals of 15% HCL acid on perfs. RU BJ & frac stage #2 w/ 74,829#'s of 20/40 sand in 575 bbls of Lightning 17 frac fluid. Open well w/ 1490 psi on casing. Perfs broke dowr @ 3599 psi, back to 1748 psi. Treated @ ave pressure of 1910 @ ave rate of 25 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2250. 1383 bbls EWTR. Leave pressure on well. **See day2c.**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 808 **Starting oil rec to date:** _____
Fluid lost/recovered today: 575 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1383 **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

COSTS

Weatherford Services _____
 C-D trucking frac wtr _____
 NPC fuel gas _____
 BJ Services LODCsds _____
 NPC Supervisor _____
 Lone Wolf LODC sds _____

5796 gals of pad _____
 3944 gals w/ 1-5 ppg of 20/40 sand _____
 7872 gals w/ 5-8 ppg of 20/40 sand _____
 1246 gals w/ 8 ppg of 20/40 sand _____
 504 gals of 5% HCL acid _____
 Flush w/ 4788 gals of slick water _____

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

Max TP: 2200 **Max Rate:** 25.3 **Total fluid pmpd:** 575 bbls
Avg TP: 1910 **Avg Rate:** 25 **Total Prop pmpd:** 74,829#'s
ISIP: 2250 **5 min:** _____ **10 min:** _____ **FG:** .85

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 10-17-9-16 **Report Date:** 10/17/2006 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 6038' **Csg PBDT:** 5955' WL
Tbg: Size: Wt: **Grd:** Pkr/EOT @: **BP/Sand PBDT:** 5020'
Plug 5440'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>B1 sds</u>	<u>4909-4916'</u>	<u>4/28</u>			
<u>LODC sds</u>	<u>5324-5338'</u>	<u>4/56</u>			
<u>CP 1 sds</u>	<u>5572-5597'</u>	<u>4/100</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Oct-06 **SITP:** SICP: 1915

Day2c.

RU WLT. RIH w/ frac plug & 7' perf gun. Set plug @ 5020'. Perforate B1 sds @ 4909-16' w/ 4 spf for total of 28 shots. RU BJ & frac stage #3 w/ 24,379#'s of 20/40 sand in 304 bbls of Lightning 17 frac fluid. Open well w/ 1915 ps on casing. Perfs broke down @ 4110 psi, back to 2182 psi. Treated @ ave pressure of 1930 @ ave rate of 24.6 bpr w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1930. 1687 bbls EWTR. Leave pressure on well. **See day2d.**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1383 **Starting oil rec to date:** _____
Fluid lost/recovered today: 304 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1687 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 **Job Type:** Sand Frac **Weatherford Services** _____
Company: BJ Services **C-D trucking frac wtr** _____
Procedure or Equipment detail: B1 sds down casing **NPC fuel gas** _____

- 2478 gals of pad
- 1915 gals w/ 1-4 ppg of 20/40 sand
- 3503 gals w/ 4-6.5 ppg of 20/40 sand
- 504 gals of 15% HCL acid
- Flush w/ 4368 gals of slick water

- BJ Services B1sds** _____
- NPC Supervisor** _____
- Lone Wolf B1 sds** _____

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

Max TP: 2260 **Max Rate:** 24.8 **Total fluid pmpd:** 304 bbls
Avg TP: 1930 **Avg Rate:** 24.3 **Total Prop pmpd:** 24,379#'s
ISIP: 1930 **5 min:** _____ **10 min:** _____ **FG:** .83

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 10-17-9-16 **Report Date:** 10/17/2006 **Day:** 2d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 323' **Prod Csg:** 5 1/2" @ 6038' **Csg PBDT:** 5955' WL
Tbg: Size: Wt: **Grd:** Pkr/EOT @: **BP/Sand PBDT:** 4330'
Plug 5440' 5020'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>GB6 sds</u>	<u>4208-4213'</u>	<u>4/20</u>			
<u>GB6 sds</u>	<u>4219-4224'</u>	<u>4/20</u>			
<u>B1 sds</u>	<u>4909-4916'</u>	<u>4/28</u>			
<u>LODC sds</u>	<u>5324-5338'</u>	<u>4/56</u>			
<u>CP 1 sds</u>	<u>5572-5597'</u>	<u>4/100</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Oct-06 **SITP:** SICP: 1550

Day2d.

RU WLT. RIH w/ frac plug & 5', 5' perf guns. Set plug @ 4330'. Perforate GB6 sds @ 4219-24', 4208-13' w/ 4 spf for total of 40 shots. RU BJ & frac stage #4 w/ 25,861#'s of 20/40 sand in 298 bbls of Lightning 17 frac fluid. Open well w. 1550 psi on casing. Perfs broke down @ 4180 psi, back to 1742 psi. Treated @ ave pressure of 1725 @ ave rate o 24.9 bpm w/ 6.5 ppg of sand. ISIP was 1775. 1985 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for hours 4 hours & died w/ bbls rec'd.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1985 **Starting oil rec to date:** _____
Fluid lost/recovered today: 270 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1715 **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: GB6 sds down casing

2772 gals of pad
2194 gals w/ 1-4 ppg of 20/40 sand
3434 gals w/ 4-6.5 ppg of 20/40 sand
Flush w/ 4116 gals of slick water

Weatherford Services
C-D trucking frac wtr
NPC fuel gas
BJ Services GB6sds
NPC Supervisor
Lone Wolf GB6 sds
C-D trkg wtr transfer

Max TP: 1920 **Max Rate:** 25.1 **Total fluid pmpd:** 298 bbls

Avg TP: 1725 **Avg Rate:** 24.9 **Total Prop pmpd:** 25,861#'s

ISIP: 1775 **5 min:** _____ **10 min:** _____ **FG:** .86

Completion Supervisor: Ron Shuck

DAILY COST: _____ **\$0**

TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Federal 10-17-9-16 Report Date: Oct. 18, 2006 Day: 03
Operation: Completion Rig: NC #2

WELL STATUS

Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 6038' Csg PBDT: 5955' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 4135' BP/Sand PBDT: 4330'
Plug 5440' 5020'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4208-4213'	4/20			
GB6 sds	4219-4224'	4/20			
B1 sds	4909-4916'	4/28			
LODC sds	5324-5338'	4/56			
CP 1 sds	5572-5597'	4/100			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Oct. 17, 2006 SITP: SICIP: 150

MIRU NC #2. Bleed pressure off well. Rec est 20 BTF. ND Cameron BOP & 5M frac head. Install 3M productior tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ used Weatherford 4 3/4" "Chomp" bit, bit sub 8 new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4201'. Tbg displaced 10 BW on TIH. LD 2 jts tbg to put EOT @ 4135'. RL power swivel & pump. SIFN W/ est 1685 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1715 Starting oil rec to date: _____
Fluid lost/recovered today: 30 Oil lost/recovered today: _____
Ending fluid to be recovered: 1685 Cum oil recovered: _____
IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

COSTS

Base Fluid used: _____ Job Type: _____

Company: _____

Procedure or Equipment detail: _____

NC #2 rig	_____
Weatherford BOP	_____
NDSI trucking	_____
NPC trucking	_____
NDSI wtr & truck	_____
Unichem chemicals	_____
B & L - new J55 tbg	_____
Weatherford swivel	_____
NPC sfc equipment	_____
NPC location cleanup	_____
NDSI wtr disposal	_____
Mt. West sanitation	_____
NPC supervision	_____

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____

Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____

ISIP: _____ 5 min: _____ 10 min: _____ FG: _____

Completion Supervisor: Gary Dietz

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

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4158'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 170' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 373'

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

FEDERAL 10-17-9-16

Spud Date: 09/01/2006
 Put on Production: 10/20/2006
 GL: 5995' KB: 6007'

Initial Production: BOPD,
 MCFD, BWPD

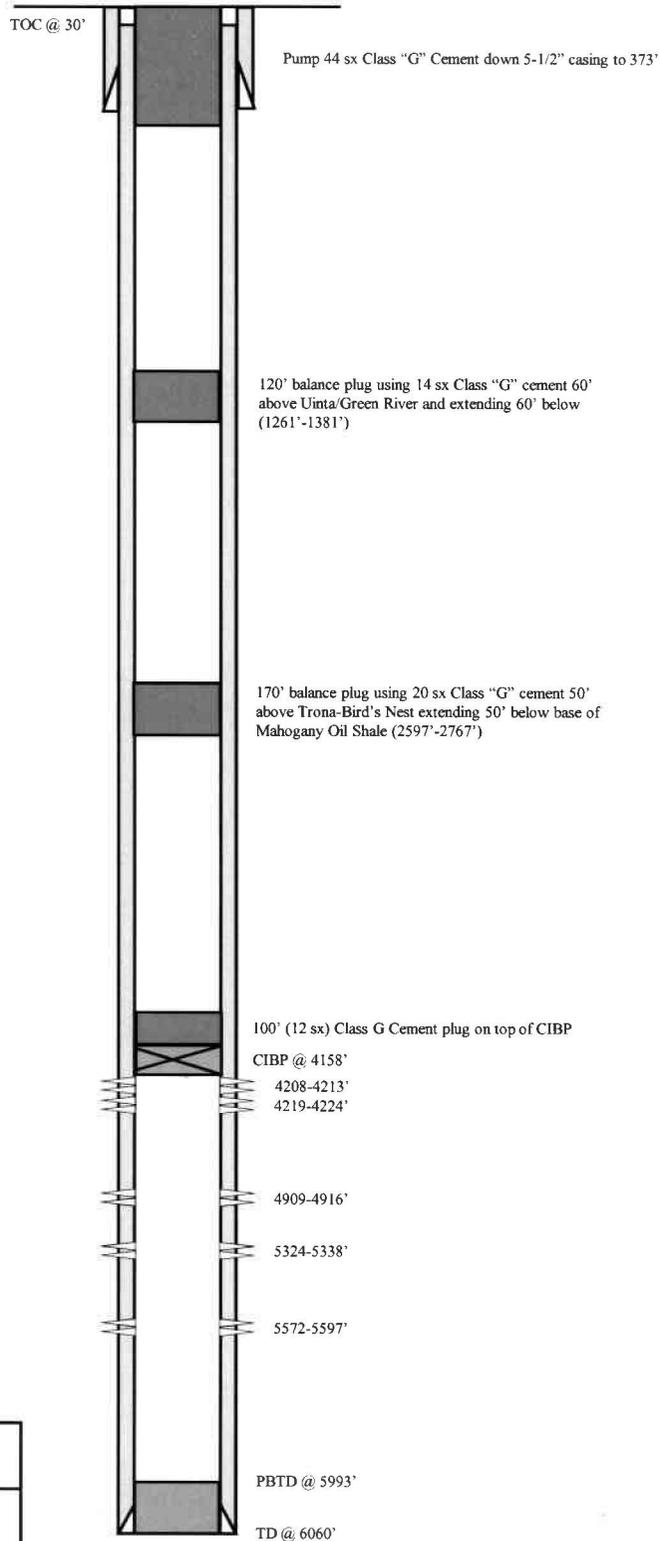
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.45')
 DEPTH LANDED: 323.45'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt. circ 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137jts (6040.28')
 DEPTH LANDED: 6038.28'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Premlite II & 450 sxs 50/50 POZ.
 CEMENT TOP: 30' per CBL 10/11/06




FEDERAL 10-17-9-16 2102'FSL & 2117' FEL NW/SE Section 17-T9S-R16E Duchesne Co, Utah API #43-013-33033; Lease #UTU-52018

Sundry Number: 49349 API Well Number: 43013330330000

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018
		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 10-17-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013330330000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2102 FSL 2117 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 17 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SITA STATUS EXTENSION <input type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/25/2014		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
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 03/24/2014. On 03/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/25/2014 the casing was pressured up to 1417 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 3/31/2014

RECEIVED: Mar. 31, 2014

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 3/25/11 Time 8:58 am pm
Test Conducted by: R. B. Budy
Others Present: _____

Well: <u>Federal 10-17-9-16</u>	Field: <u>Monument 18-1-11</u>
Well Location: <u>Federal 10-17-9-16</u>	API No: <u>4301333033</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1415</u>	psig
5	<u>1416</u>	psig
10	<u>1416</u>	psig
15	<u>1416</u>	psig
20	<u>1416</u>	psig
25	<u>1417</u>	psig
30 min	<u>1417</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 100 psig

Result: Pass Fail

Signature of Witness:

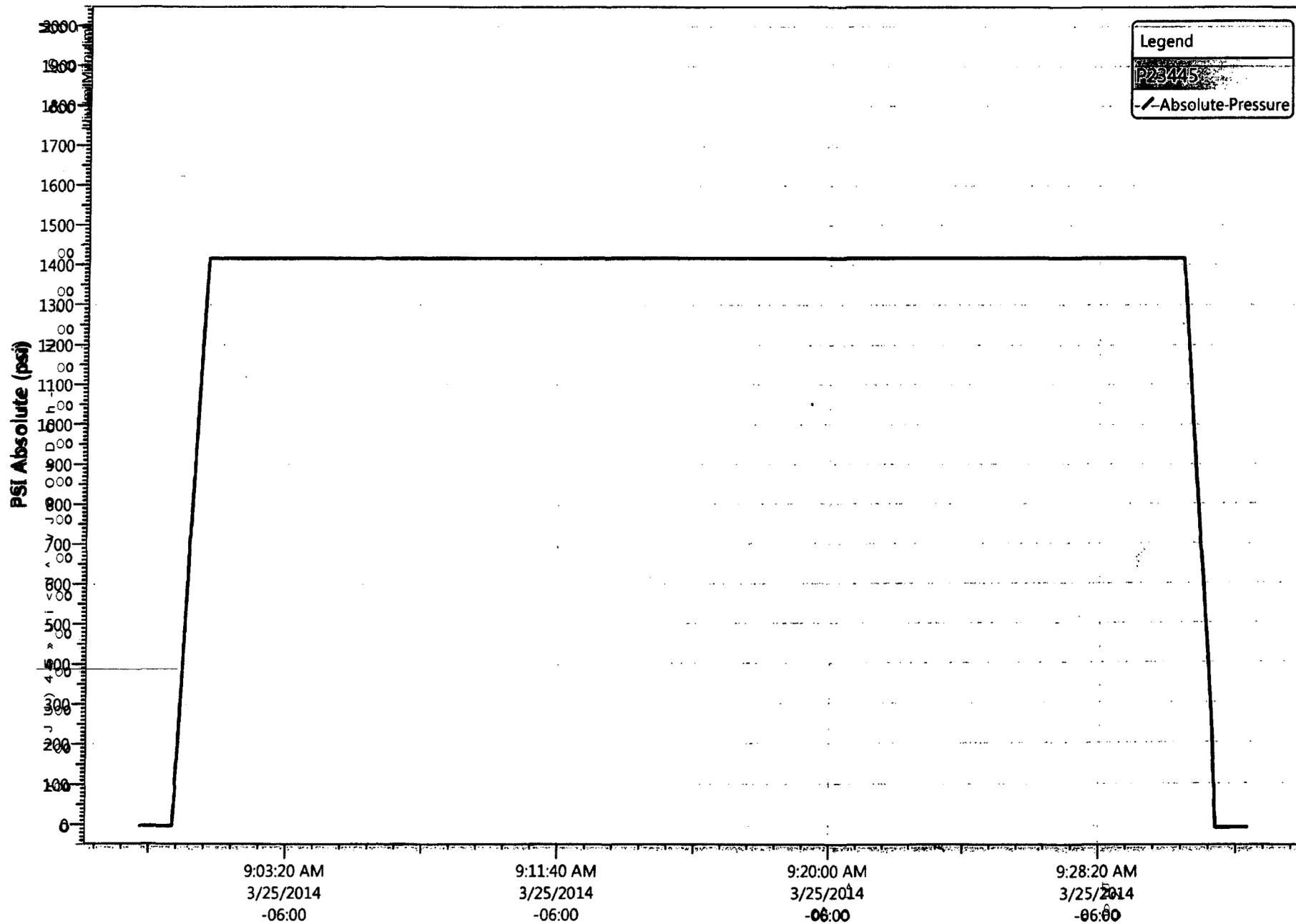
Chris Jensen

Signature of Person Conducting Test:

R. B. Budy

Federal 10-17-9-16 (conversion MIT (8/25/14)

3/25/2014 8:58:21 AM





Job Detail Summary Report

Well Name: Federal 10-17-9-16

Jobs		
Primary Job Type Conversion	Job Start Date 3/18/2014	Job End Date
Daily Operations		
Report Start Date 3/18/2014	Report End Date 3/18/2014	24hr Activity Summary MIRU. PUMP 60 BBLs DWN CSG & RU ROD EQUIP. UNSEAT PUMP @ 10,000# OVER STRING WT, FLUSHED TBG W/ 40 BW, RESEAT PUMP & PT TBG TO 3000PSI - GOOD TEST. START LD ROD STRING. SDFN
Start Time 14:00	End Time 18:00	Comment 2:00pm LOAM from 6-12-9-15 to 10-17-9-16 RU rig and RD PU, pump 60 bbls down csg and rig up rod equip, Unseat pump @10000# over string weight, flush tbg w/40 bw Reseat pump & pressure test tbg to 3000psi, good test, Start to lay down Rod string SDFN @6:00pm
Start Time 18:00	End Time 19:00	Comment Crew Travel
Report Start Date 3/19/2014	Report End Date 3/19/2014	24hr Activity Summary CONT LD RODS, ND WH RELEASE TAC
Start Time 06:00	End Time 07:00	Comment CREW TRAVEL
Start Time 07:00	End Time 16:30	Comment 7:00am Hotoil well w/20 bw Cont LD Rod string, 1 Polish Rod 1-1/2" x 22' w/acc, 1 x 4' pony 3/4", 1 x 8' pony 3/4", 38-4per 3/4", 61-4per 3/4" BAD, 106 slicks 3/4", 11-4per 3/4" BAD, 6 WB 1-1/2" BAD, 1 pump, ND wellhead release TAC, NU BOP, RU floor & tbg equip, 11:00am TOOH Breaking & Green Doping a total of 131 jts, LD 48 extra jts, TAC, PSN w/BN, NC
Start Time 16:30	End Time 18:30	Comment TIH w/PKR assembly, BHA as follows, XN-Nipple, 4' sub w/ X/O, PKR, On/Off Tool, PSN, 131 jts 2-7/8" tbg pump 15 bbls pad drop SV fill hole w/21 bbls, pressure up tbg to 3000psi check in Am SDFN @6:30pm Check pressure in AM Fish SV, ND BOP pump PKR fluid & test csg to 1500psi, test w/MIT
Start Time 18:30	End Time 19:30	Comment CREW TRAVEL
Report Start Date 3/20/2014	Report End Date 3/20/2014	24hr Activity Summary READY FOR MIT - READY TO RD AND MOVE MONDAY
Start Time 06:00	End Time 07:00	Comment CREW TRAVEL
Start Time 07:00	End Time 09:30	Comment Steam tbg w/hotoiler & check pressure on tbg good test, RU sandline, PU RIH w/overshot & WB fish SV @4142, POOH w/sandline (part sandline Fishing SV, weak spot in line), 9:00am - 1:00pm no charge
Start Time 09:30	End Time 11:00	Comment TOOH w/tbg watching for sandline, cut sandline out every stand
Start Time 11:00	End Time 13:30	Comment TIH w/ tbg w/same BHA & retest tbg to 3000psi good test, RU sandline PU & RIH to fish SV w/overshot, LD WB & fish
Start Time 13:30	End Time 18:00	Comment RD floor & tbg equip, ND BOP & NU wellhead & pump 50bbls down csg w/PKR fluid, NU Injection Tree and fill hole w/42 bbls and pressure up to 1500psi SDFW @6:00pm (Friday & Saturday, Well Control class) Test w/MIT in AM Ready to RD and Move monday morning
Start Time 18:00	End Time 19:00	Comment CREW TRAVEL
Report Start Date 3/25/2014	Report End Date 3/25/2014	24hr Activity Summary Conduct MIT
Start Time 09:00	End Time 11:30	Comment On 03/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/25/2014 the casing was pressured up to 1417 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was a State representative available to witness the test - Chris Jensen.

43-013-33033

Well Name: Federal 10-17-9-16

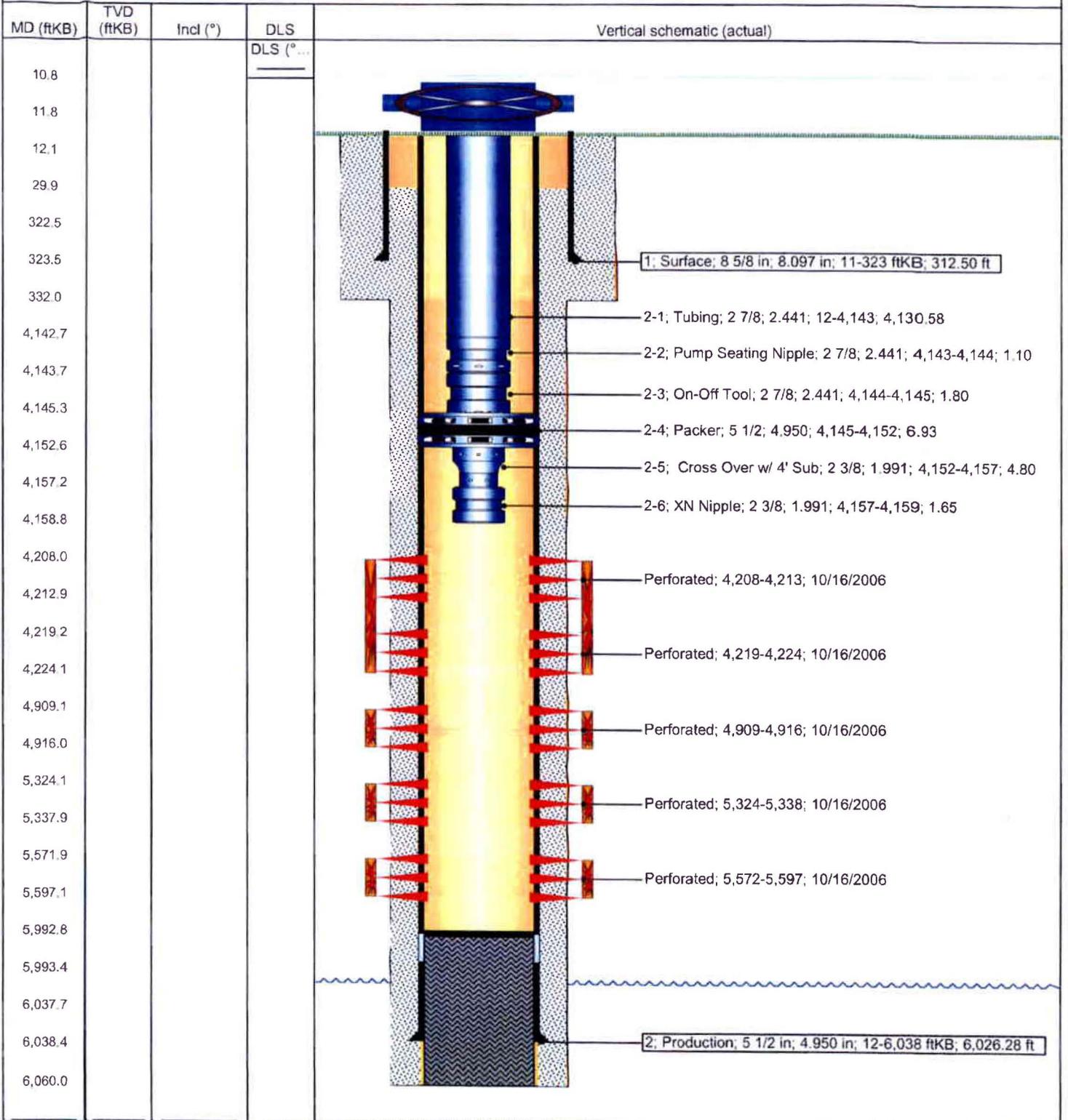
Surface Legal Location 17-9S-16E		API/UWI 43013330330000	Well RC 500155828	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 9/1/2006	Rig Release Date	On Production Date 10/20/2006	Original KB Elevation (ft) 6,007	Ground Elevation (ft) 5,995	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,992.7	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 3/18/2014	Job End Date 3/25/2014
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TD: 6,060.0

Vertical - Original Hole, 12/15/2014 1:51:01 PM





Newfield Wellbore Diagram Data Federal 10-17-9-16

Surface Legal Location 17-9S-16E		API/UWI 43013330330000		Lease	
County DUCHESNE		State/Province Utah		Field Name GMBU CTB3	
Well Start Date 9/1/2006		Spud Date 9/1/2006		On Production Date 10/20/2006	
Original KB Elevation (ft) 6,007	Ground Elevation (ft) 5,995	Total Depth (ftKB) 6,060.0	Total Depth Alt (TVD) (ftKB)	FBTD (All) (ftKB) Original Hole - 5,992.7	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/1/2006	8 5/8	8.097	24.00	J-55	323
Production	9/27/2006	5 1/2	4.950	15.50	J-55	6,038

Cement

String: Surface, 323ftKB 9/1/2006

Cementing Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 332.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 6,038ftKB 9/27/2006

Cementing Company		Top Depth (ftKB) 30.0	Bottom Depth (ftKB) 6,060.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premilite II w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 325	Class Premilite II	Estimated Top (ftKB) 30.0
Fluid Description 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 450	Class 50/50	Estimated Top (ftKB) 4,000.0

Tubing Strings

Tubing Description Tubing		Run Date 3/18/2014			Set Depth (ftKB) 4,158.9			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	131	2 7/8	2.441	6.50	J-55	4,130.58	12.0	4,142.6
Pump Seating Nipple		2 7/8	2.441			1.10	4,142.6	4,143.7
On-Off Tool		2 7/8	2.441			1.80	4,143.7	4,145.5
Packer		5 1/2	4.950			6.93	4,145.5	4,152.4
Cross Over w/ 4' Sub		2 3/8	1.991			4.80	4,152.4	4,157.2
XN Nipple		2 3/8	1.991			1.65	4,157.2	4,158.9

Rod Strings

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

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Norm Hole Dia (in)	Date
4	GB6, Original Hole	4,208	4,213	4	120		10/16/2006
4	GB6, Original Hole	4,219	4,224	4	120		10/16/2006
3	B1, Original Hole	4,909	4,916	4	120		10/16/2006
2	LODC, Original Hole	5,324	5,338	4	120		10/16/2006
1	CP1, Original Hole	5,572	5,597	4	120		10/16/2006

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,180	0.85	25.1	2,060			
2	2,250	0.85	25.3	2,200			
3	1,930	0.83	24.8	2,260			
4	1,775	0.86	25.1	1,920			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 90054 lb
2		Proppant White Sand 74829 lb
3		Proppant White Sand 24379 lb
4		Proppant White Sand 25861 lb