

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 cursive script that reads "Mandie Crozier".

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

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 9-17-9-16

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

9. API Well No.
43-013-33032

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

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

10. Field and Pool, or Exploratory
Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface NE/SE 2108' FSL 636' FEL 573774X 40.029365
At proposed prod. zone 4431164Y -110.135385

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

14. Distance in miles and direction from nearest town or post office*
Approximatley 15.1 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. 532' f/ise, NA' f/unit

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. 1267'

19. Proposed Depth
6050'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5953' GL

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

23. Bstimated duration
Approximately seven (7) days from spud to ng 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 *Mandie Crozier* Name (Printed/Typed) Mandie Crozier Date 1/23/06

Title Regulatory Specialist

Approved by (Signature) *Bradley G. Hill* 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.

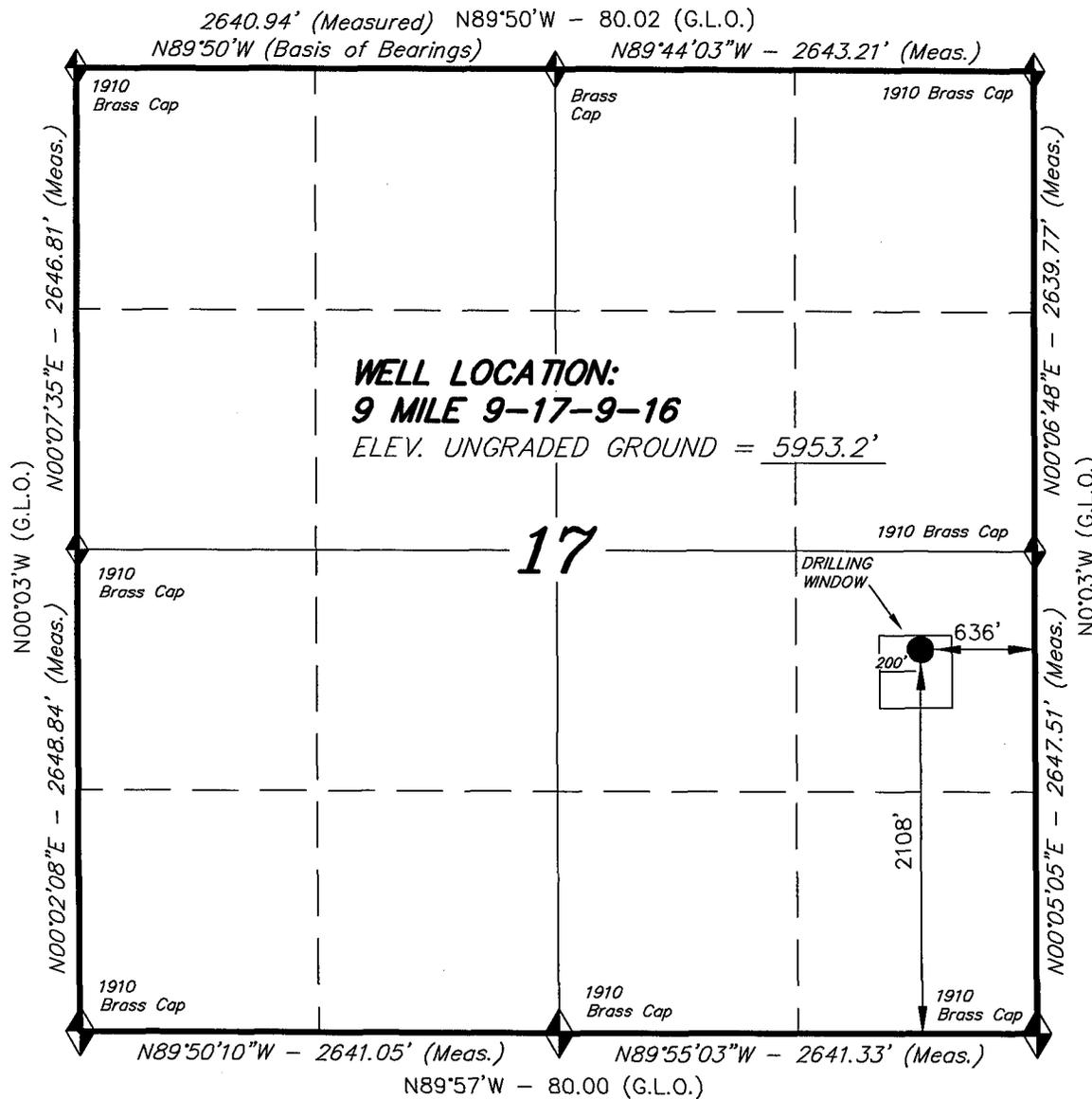
*(Instructions on reverse)

Federal Approval of this
Action Is Necessary

RECEIVED
JAN 26 2006
DIV. OF OIL, GAS & MIN.

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

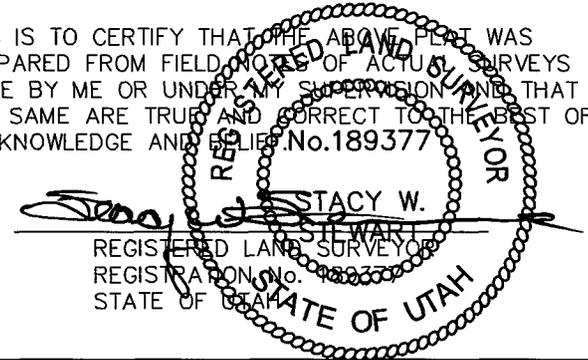
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 MILE 9-17-9-16,
 LOCATED AS SHOWN IN THE NE 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)

TRI STATE LAND SURVEYING & CONSULTING

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

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 11-15-05

DRAWN BY: F.T.M.

NOTES:

FILE #

NEWFIELD PRODUCTION COMPANY
FEDERAL #9-17-9-16
NE/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' – 2610'
Green River	2610'
Wasatch	6050'

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

Green River Formation 2610' – 6050' - 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 #9-17-9-16
NE/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 #9-17-9-16 located in the NE 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 - 0.8 miles \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 #9-17-9-16 Newfield Production Company requests 4180' 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 4180' of disturbed area be granted in Lease UTU-52018 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 4180' of disturbed area be granted in Lease UTU-52018 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

None.

Reserve Pit Liner

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

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

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

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

Details of the On-Site Inspection

The proposed Federal #9-17-9-16 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 #9-17-9-16 NE/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

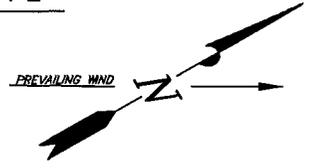
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 9-17-9-16

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



PROPOSED ACCESS ROAD (Max. 6% Grade)

F/9.5

C/7.7

②

③

④

PIT TOPSOIL STOCKPILE

STA. 2+90

C/3.2

ROUND CORNER TO AVOID EXCESS FILL

ROUND CORNER TO AVOID EXCESS CUT

R=50'

15'

25'

40'

C/10.9

STA. 2+22

130'

C/6.4

Toe of Fill Slope

2' Berm Around Fill Portion of Location

Top of Cut Slope

F/7.3

C/4.4

110'

STA. 1+60

⑤

⑥

C/11.3

WELL HEAD:
UNGRADED = 5953.2'
FIN. GRADE = 5948.8'

C/7.9

⑦

EXCESS MATERIAL

Reroute Drainage as Necessary

TRIM CORNER TO AVOID DRAINAGE

140'

160'

STA. 0+00

ROUND CORNER TO AVOID EXCESS CUT

R=25'

F/10.2

C/2.8

TOPSOIL STOCKPILE

C/7.0

⑧

REFERENCE POINTS

- 210' SOUTHEASTERLY = 5951.7'
- 260' SOUTHEASTERLY = 5952.5'
- 160' SOUTHWESTERLY = 5937.6'
- 200' SOUTHWESTERLY = 5937.0'

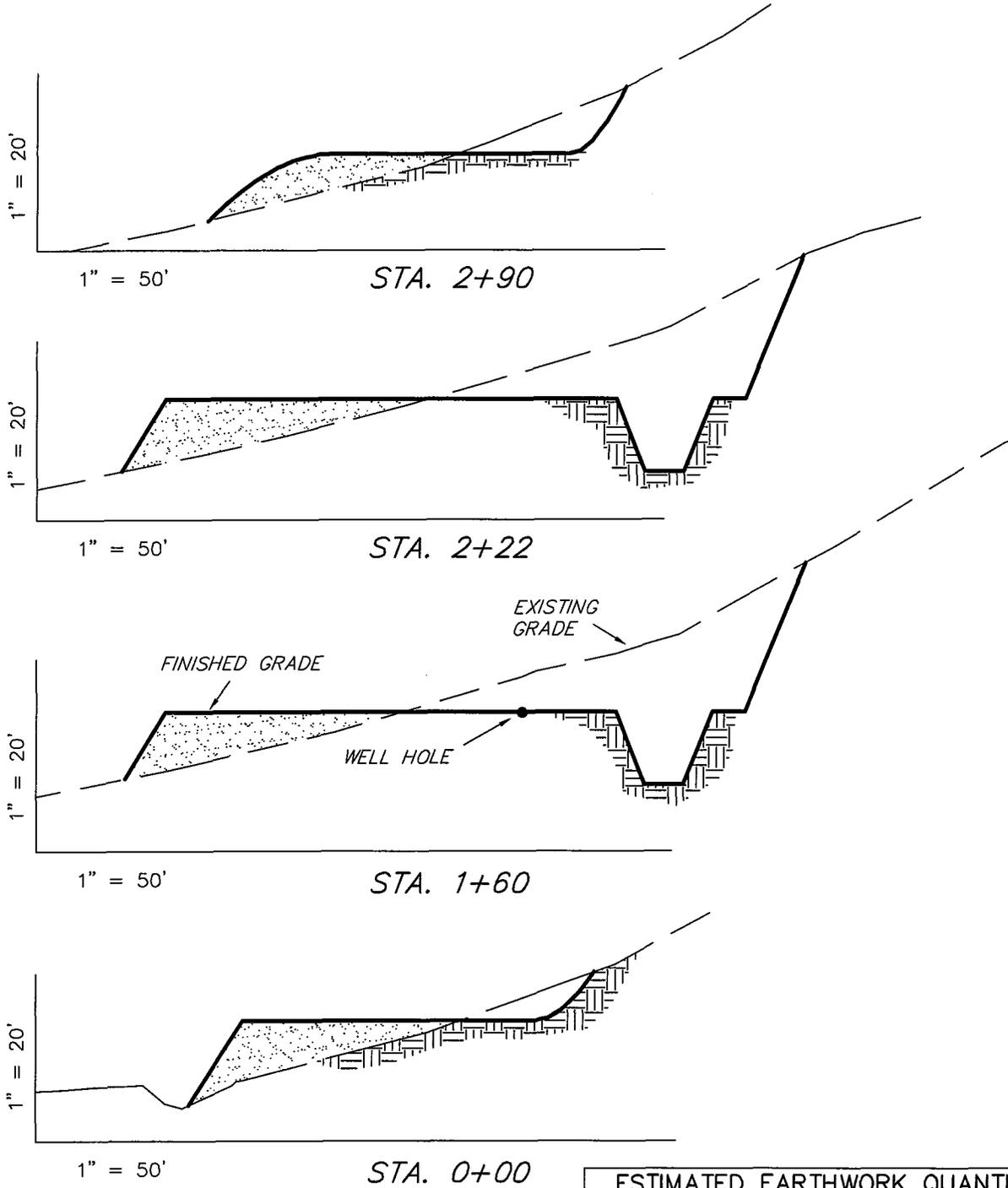
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 11-15-05

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 9-17-9-16



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	4,930	4,920	Topsoil is not included in Pad Cut	10
PIT	650	0		650
TOTALS	5,580	4,920	1,000	660

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 11-15-05

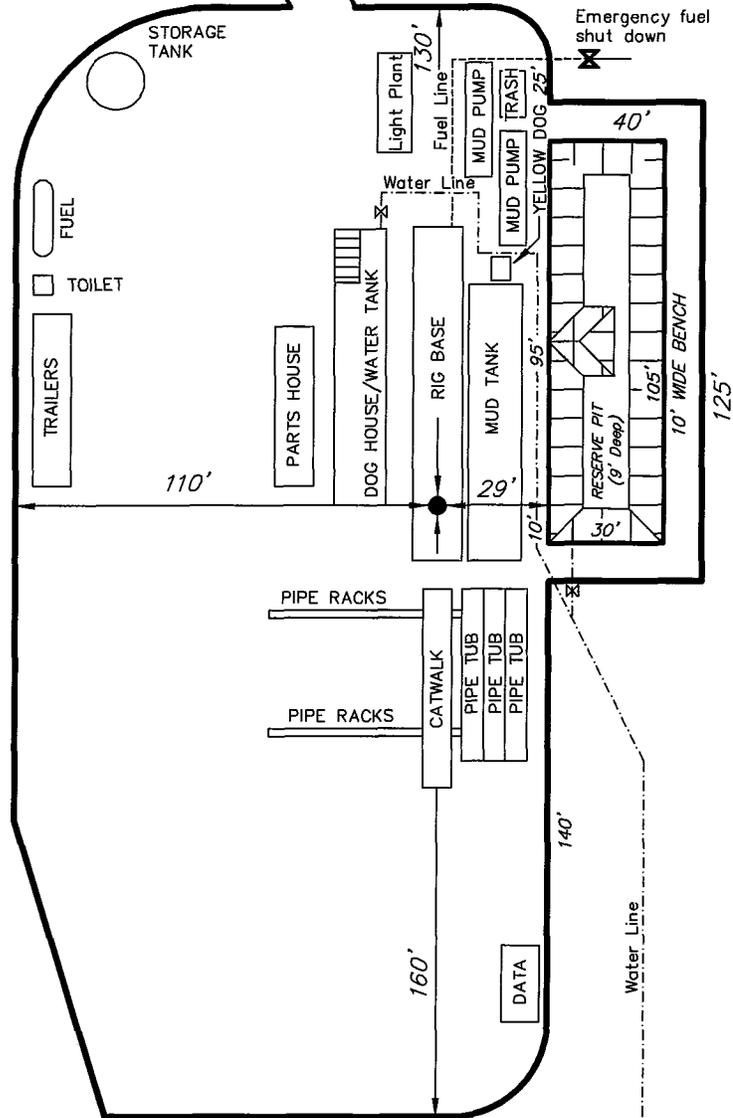
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

9 MILE 9-17-9-16

PROPOSED ACCESS ROAD (Max. 6% Grade)



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 11-15-05

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

J-74826

U-30090

U-034217A

UTU-73087

UTU-73086

U-020255

U-020254

UTU-74390

UTU-79833

UTU-64379

UTU

Myton ±2.5 mi.

±1.5 mi.

UTU-64379

U-52018

Proposed Location
9 Mile 9-17

±750'

±800'

±870'

±1,760'

±0.3 mi.



NEWFIELD
Exploration Company

9 Mile 9-17-9-16
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: L.C.S.
DATE: 12-29-2005

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

Tie in at Existing Gas Pipeline

Proposed Location 9 Mile 9-17

52015

± 1,760'

± 3,200'

± 750'

± 750'

± 800'

± 800'

± 870'

± 870'



NEWFIELD
Exploration Company

9 Mile 9-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.



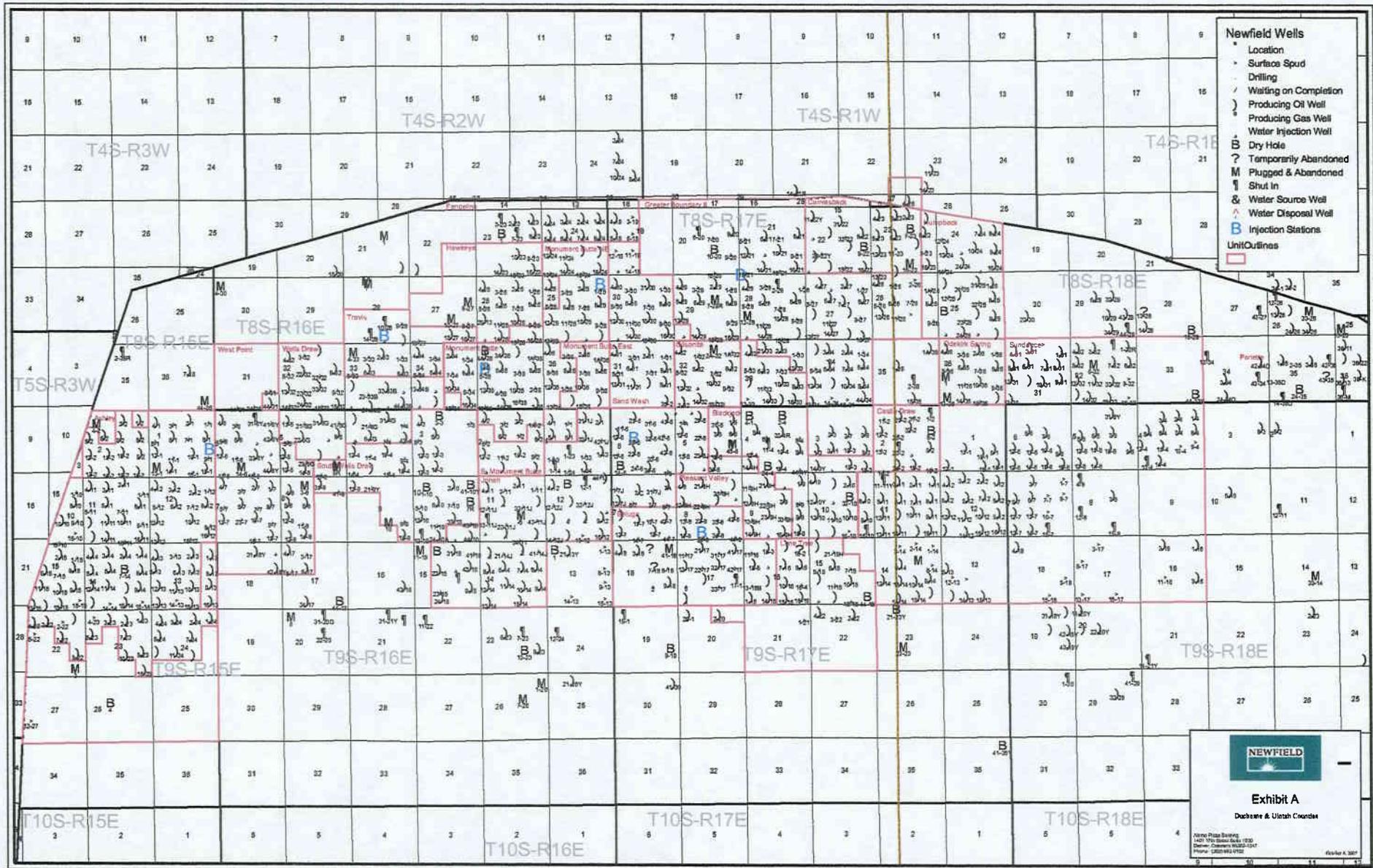
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: L.C.S.
DATE: 12-29-2005

Legend

- Roads
- Proposed Gas Line

TOPOGRAPHIC MAP
"C"



UTU-74390

U-020255

UTU-65207

UTU-64379

U-40894

UTU-64379

U-52016

Proposed Location
9 Mile 9-17

UTU-6



NEWFIELD
Exploration Company

9 Mile 9-17-9-16
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" = 2,000'
DRAWN BY: mw
DATE: 12-28-2005

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

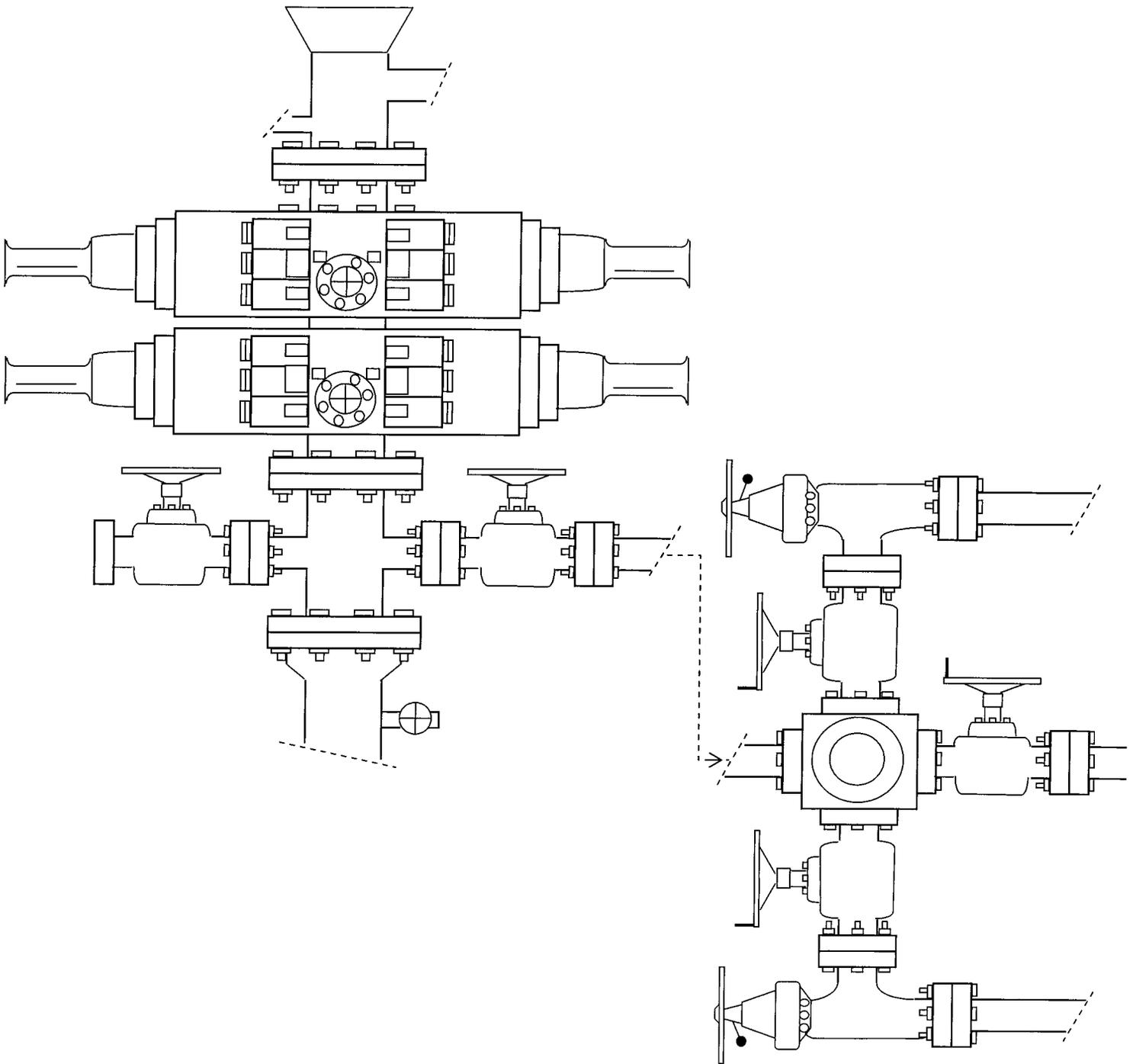


EXHIBIT C

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: 43-013-33032

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

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESE 17 090S 160E
 SURFACE: 2108 FSL 0636 FEL
 BOTTOM: 2108 FSL 0636 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.02937 LONGITUDE: -110.1354
 UTM SURF EASTINGS: 573774 NORTHINGS: 4431164
 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: Sov, Separate file

STIPULATIONS: 1- Federal Approval
2- Spacing Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 17 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

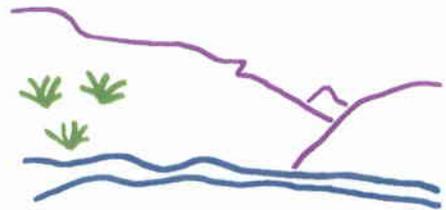
SPACING: R649-3-2 / GENERAL SITING

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

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

Wells Status

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 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 9-17-9-16 Well, 2108' FSL, 636' FEL, NE 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 43-013-33032.

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 9-17-9-16
API Number: 43-013-33032
Lease: UTU-52018

Location: NE 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

BLM/VERNAL, UTAH

Form 3160-3
(September 2001)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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 9-17-9-16
9. API Well No. 43-013-33032
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NE/SE Sec. 17, T9S R16E
12. County or Parish Duchesne
13. State UT
16. No. of Acres in lease 640.00
17. Spacing Unit dedicated to this well 40 Acres
19. Proposed Depth 6050'
20. BLM/BIA Bond No. on file UTB000192
22. Approximate date work will start* 1st Quarter 2006
23. Estimated duration Approximately seven (7) days from spud to rig release.

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone
2. Name of Operator Newfield Production Company
3a. Address Route #3 Box 3630, Myton UT 84052
3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NE/SE 2108' FSL 636' FEL At proposed prod. zone
14. Distance in miles and direction from nearest town or post office* Approximatley 15.1 miles southwest of Myton, Utah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 532' f/lse, NA' f/unit
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1267'
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5953' GL

24. Attachments

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

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

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 1/23/06
Title Regulatory Specialist		
Approved by (Signature) <i>Jerry Kenczka</i>	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
FOR RECORD ONLY

AUG 10 2006
DIV. OF OIL, GAS & MINING



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
Well No: Federal 9-17-9-16
API No: 43-013-33032

Location: NESE, Sec. 17, T9S, R16E
Lease No: UTU-52018
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 – Paint olive drab. 6" and 4" surface poly gas lines, 3" buried poly water return line, and 3" steel buried water injection line.

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 9-17-9-16

Api No: 43-013-33032 Lease Type: FEDERAL

Section 17 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 09/10/06

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by TROY ZUFEIT

Telephone # (435) 828-6013

Date 09/13/06 Signed CHD

RECEIVED

SEP 13 2006

DIV. OF OIL, GAS & MINING

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

PAGE 02

INLAND

4356463031

1:11:57

0007171700

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q3	SC	TP	RG	COUNTY		
B	99999	12419	43-013-32943	ASHLEY FEDERAL 15-24-9-15	SW/SE	15	9S	15E	DUCHESNE	09/06/06	9/14/06
WELL 1 COMMENTS: GRRU											
B	99999	12419	43-013-32908	ASHLEY FEDERAL 15-26-9-15	SW/SE	15	9S	15E	DUCHESNE	09/08/06	9/14/06
WELL 2 COMMENTS: GRRU											
A	99999	15633	43-013-33032	FEDERAL 9-17-9-16	NE/SE	17	9S	16E	DUCHESNE	09/10/06	9/14/06
WELL 3 COMMENTS: GRRU											
A	99999	15634	43-013-33031	FEDERAL 8-17-9-16	SE/NE	17	9S	16E	DUCHESNE	09/12/06	9/14/06
WELL 4 COMMENTS: GRRU											
A	99999	15635	43-013-33028	FEDERAL 1-17-9-16	NE/NE	17	9S	16E	DUCHESNE	09/13/06	9/14/06
WELL 5 COMMENTS: GRRU											
WELL 6 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.

Lana Nebeker
Signature
LANA NEBEKER
Title

Production Analyst

September 13, 2006

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No. UT4-52018

6. If Indian, Allottee or Tribe Name.

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

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

9. API Well No.
4301333032

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

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)
2108 FSL 636 FEL
NESE 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 recomplate 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 9-10-06 MIRU NDSI spud rig #1. Drill 320' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 322.07'. On 9-13-06 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 6 bbls cement to pit.

RECEIVED
SEP 19 2006
DIV. OF OIL, GAS & MINING

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

Title
Drilling Foreman

Date
09/18/2006

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)

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.
UTV-52018

6. If Indian, Allottee or Tribe Name.

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

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

9. API Well No.
4301333032

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)
2108 FSL 636 FEL
NESE Section 17 T9S R16E

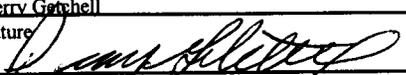
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

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	Weekly Status Report	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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

On 10-4-06 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csqn to 1,500 psi. HYDRILL TO 1500 PSI. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 277'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6050'. 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, 139 jt's of 5.5 J-55, 15.5# csqn. Set @ 6044.21/ KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. WITH 2 BBLs OF CEMENT returned to pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig 6:30 PM. on 10-9-06.

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

Signature 

Title
Drilling Foreman

Date
10/10/2006

Approved by _____ Title _____ Date _____

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Office _____

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(Instructions on reverse)

RECEIVED
OCT 11 2006
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.

5. Lease Serial No.
USA UTU-52018

6. If Indian, Allottee or Tribe Name.

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

9. API Well No.
4301333032

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

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)
2108 FSL 636 FEL
NESE Section 17 T9S R16E

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

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

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

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

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

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

I hereby certify that the foregoing is true and correct (Printed/Typed) Mandie Crozier	Title Regulatory Specialist
Signature <i>Mandie Crozier</i>	Date 11/03/2006

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 _____	

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(Instructions on reverse)

RECEIVED
NOV 06 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

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
Federal 9-17-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333032

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2108 FSL 636 FEL COUNTY: DUCHESNE

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

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

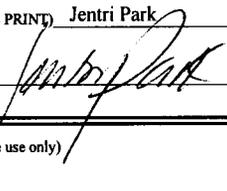
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>11/10/2006</u>	<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 10/17/06 - 11/01/06

Subject well had completion procedures initiated in the Green River formation on 10-17-06 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 (5540'-5572'); Stage #2 (5236'-5256'); Stage #3 (5129'-5148'); Stage #4 (4092'-4114'). 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 10-31-2006. Bridge plugs were drilled out and well was cleaned to 5998'. 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 11-01-2006.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE  DATE 11/10/2006

(This space for State use only)

RECEIVED
NOV 14 2006
DEPT. OF OIL, GAS & MINING

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

(See other instructions on reverse side)

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 2108' FSL & 636' FEL (NE/SE) Sec. 17, T9S, R16E
At top prod. Interval reported below

At total depth

14. API NO. 43-013-33032 DATE ISSUED 01/26/06

12. COUNTY OR PARISH Duchesne 13. STATE UT

15. DATE SPUDDED 09/11/06 16. DATE T.D. REACHED 10/08/06 17. DATE COMPL. (Ready to prod.) 11/01/06 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5953' GL 6651' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6050' 21. PLUG BACK T.D., MD & TVD 5998' 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 4092'-5572' 25. WAS DIRECTIONAL SURVEY MADE No

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

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	322'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6044'	7-7/8"	325 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5628'	TA @ 5497'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5540'-5572'	.46"	4/128	5540'-5572'	Frac w/ 89,695# 20/40 sand in 672 bbls fluid
(LODC) 5236'-5256"	.43"	4/80	5236'-5256'	Frac w/ 80,345# 20/40 sand in 604 bbls fluid
(A3) 5129'-5148'	.43"	4/76	5129'-5148'	Frac w/ 80,342# 20/40 sand in 597 bbls fluid
(GB4) 4092'-4114'	.43"	4/88	4092'-4114'	Frac w/ 38,251# 20/40 sand in 358 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
11/01/06	2-1/2" x 1-1/2" x 12' x 16' RHAC SM Plunger Pump	PRODUCING					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
10 day ave			----->	51	9	59	176
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Jennifer Park TITLE Production Clerk DATE 11/17/2006

**RECEIVED
NOV 21 2006**

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 9-17-9-16	Garden Gulch Mkr	3622'	
				Garden Gulch 1	3828'	
				Garden Gulch 2	3939'	
				Point 3 Mkr	4190'	
				X Mkr	4464'	
				Y-Mkr	4496'	
				Douglas Creek Mkr	4610'	
				BiCarbonate Mkr	4792'	
				B Limestone Mkr	4946'	
				Castle Peak	5502'	
				Basal Carbonate	5940'	
				Total Depth (LOGGERS)	6033'	

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
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 9-17-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2108 FSL 0636 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013330320000
PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
	COUNTY: DUCHESNE
	STATE: UTAH

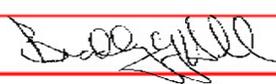
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/3/2014	<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 subject well has been converted from a producing oil well to an injection well on 05/30/2014. On 06/02/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/03/2014 the casing was pressured up to 1371 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining
 June 05, 2014

Date: _____
 By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/4/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: _____ Date 6/3/14 Time 9:39 am pm
Test Conducted by: R. By Bygby
Others Present: _____

Well: <u>Federal 9-17-9-14</u>	Field: <u>Monument Butte</u>
Well Location: <u>Federal 9-17-9-14</u> <u>NE/SE Sec 17, T9S, R16E</u> <u>Duchesne County Utah</u>	API No: <u>4301333032</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1379</u>	psig
5	<u>1377</u>	psig
10	<u>1376</u>	psig
15	<u>1375</u>	psig
20	<u>1374</u>	psig
25	<u>1372</u>	psig
30 min	<u>1371</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

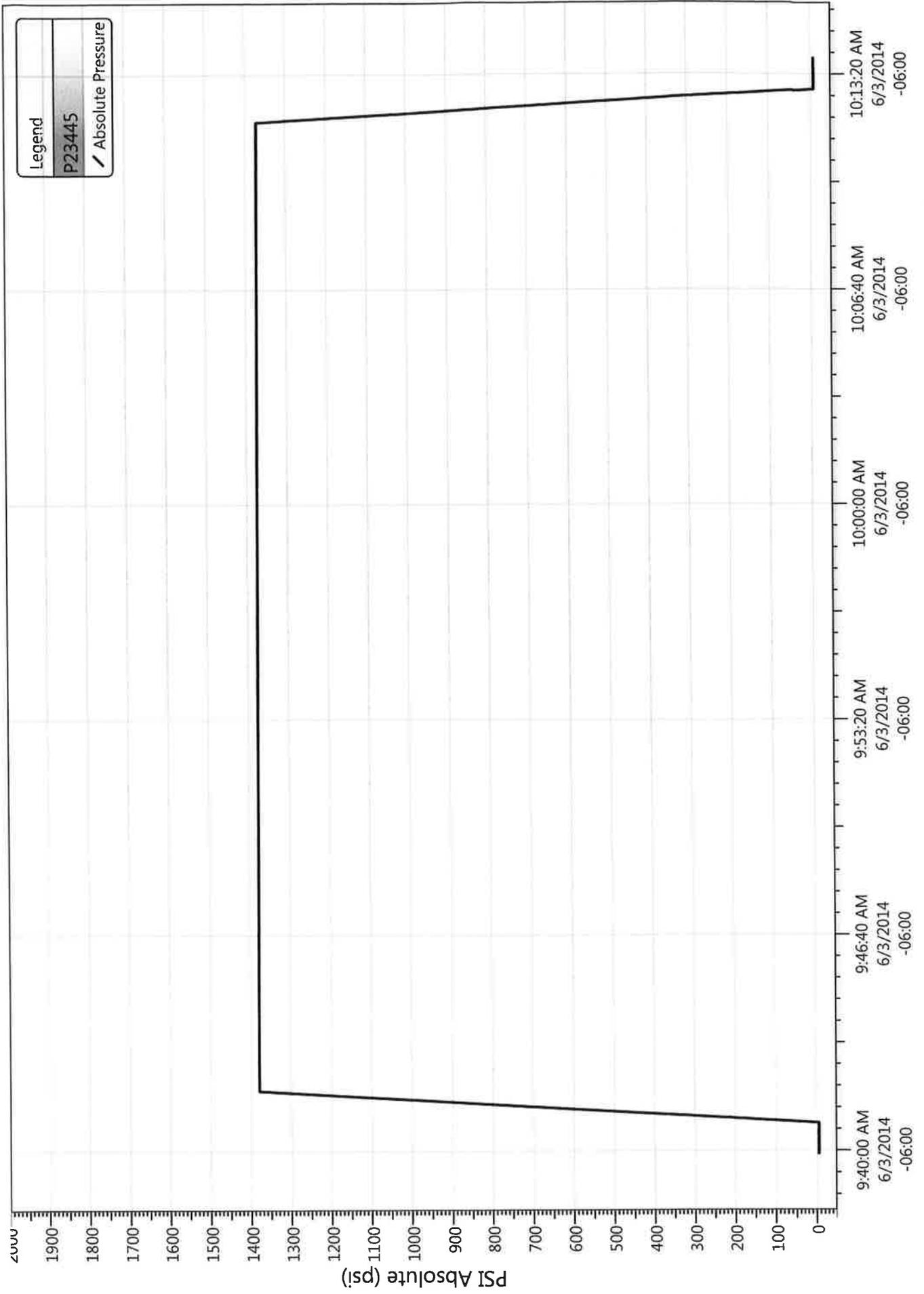
Tubing pressure: 450 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: R. By

Federal 9-17-9-16 (Conversion MIT 6/3/14)
6/3/2014 9:39:11 AM





Well Name: Federal 9-17-9-16

Job Detail Summary Report

Primary Job Type Conversion	Job Start Date 5/22/2014	Job End Date 6/3/2014
--------------------------------	-----------------------------	--------------------------

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary	Start Time	End Time	Comment
5/22/2014	5/22/2014	MIRU	03:00	05:00	RDPU, BMW H/O Pmped 60BW d/Csg, US Rod Pmp, Prepared to Flush Rods, Waiting on Wtr, SWIFN
5/23/2014	5/23/2014	LD RODS, H/O FLUSH, ND WH, NU BOP, RU WORKFLOOR	05:00	05:30	c/Trav
5/27/2014	5/27/2014	POOH TBG, LD BHA, MU & TIH W/ INJ ASSY	05:30	06:00	CREW TRAVEL
5/27/2014	5/27/2014	POOH TBG, LD BHA, MU & TIH W/ INJ ASSY	06:00	12:30	OWU, BMW H/O Flushed Rods w/ 40BW, Soft Seat & Test, 15BW to Fill, PT to 3200psi, GOOD TEST, LD Rod String on Trailer, H/O Flushed Rods w/ 30BW during Trip, LD Rod Pmp (Light Scale on Screen), XO For Tbg, ND WH, NU Weatherford BOP, RU Workfloor, Release TAC, PU & Tagged Fill @ 5995', LD Tbg, SWIFHWE... 12:30 to 1:00PM C/Trav H/O Heated @ Transferred 90Bbls of Oil From Wtr TK to Tk #
5/27/2014	5/27/2014	POOH TBG, LD BHA, MU & TIH W/ INJ ASSY	05:30	06:00	CREW TRAVEL
5/27/2014	5/27/2014	POOH TBG, LD BHA, MU & TIH W/ INJ ASSY	06:00	19:00	CREW TRAVEL SICP 400psi SITP 100psi, OWU, POOH w/ 129-Jts (4038.02') Breaking Collars & Applying Liquid O-Ring to Pins, LD Remaining 50-Jts on Trailer (Scale Build Up on Jts Between PSN & TAC 5488-5552), LD BHA, MU & TIH w/ Weatherford Arrow Set w/ X Seal Nipple Injection Assa., TIH w/ 129- Jts, Drop Strnd Valv, RU & RIH w/ SL to Seat SV, 15BW to Fill Tbg, Hang Back SL, MU Isolation T, PT Tbg to 3000psi, Observ Press, 400psi Loss in 30Min, Bleed Off Gas, Repress to 3000psi, 150psi Loss in 30Min, Bleed Off Gas, Repress to 3000psi, NO PRESSURE LOSS in 30Min, GOOD TBG TESTI, Retrieve SV, RD Workfloor, ND BOP, MU WH, H/O Pmped 50BW w/ Multi Chem PKR Fluids d/ Annulus, Set PKR CE @ 4056' w/ 1500# of Torque, 22BW to Fill Annulus, NU 3K Injection Tree, SWIFN, Let Gas Settle Over Night
5/28/2014	5/28/2014	CHECK PRESSURE, PERFORM MIT - FAILED, ND INJ TREE, RELEASE PKR, LD 1 JT TBG, RESET PKR	19:00	19:30	CREW TRAVEL
5/28/2014	5/28/2014	CHECK PRESSURE, PERFORM MIT - FAILED, ND INJ TREE, RELEASE PKR, LD 1 JT TBG, RESET PKR	05:30	06:00	CREW TRAVEL
5/28/2014	5/28/2014	CHECK PRESSURE, PERFORM MIT - FAILED, ND INJ TREE, RELEASE PKR, LD 1 JT TBG, RESET PKR	06:00	17:30	OWU, BMW H/O Fill Annulus w/ 1BW, PT to 1500psi, Observ Press, 50psi Loss in 30Min, NO PRESSURE LOSS in 30Min, Newfield Wtr Serv Performed MIT, Failed 30psi Loss in 30Min, Bleed Off Gas Press, Repress to 1500psi for 15Min, Bleed Off Gas, Repress to 1500psi, Losing 1psi per min, ND Injection Tree, Release PKR, LD 1-Jt (31.98'), Reset PKR CE @ 4024', 22BW to Fill Annulus, PT to 1500psi, Losing 1-1.5psi per Min, Repressure to 1500psi SWIFN
5/29/2014	5/29/2014	CHECK CSG PSR, LOSS, ND INJ TREE, RE,LEASE PKR, NU BOP, RU WORKFLR	17:30	18:00	CREW TRAVEL
5/29/2014	5/29/2014	CHECK CSG PSR, LOSS, ND INJ TREE, RE,LEASE PKR, NU BOP, RU WORKFLR	05:30	06:00	CREW TRAVEL



Well Name: Federal 9-17-9-16

Job Detail Summary Report

Start Time	06:00	End Time	17:30	Comment
Report Start Date	5/30/2014	Report End Date	5/30/2014	24hr Activity Summary
Start Time	05:30	End Time	06:00	Comment
Start Time	06:00	End Time	17:00	Comment
Start Time	17:00	End Time	17:30	Comment
Report Start Date	6/3/2014	Report End Date	6/3/2014	24hr Activity Summary
Start Time	09:45	End Time	10:15	Comment

Check Csg Pressure, 1150psi Loss in 780Min (13Hrs) 1.5psi Loss Per Min, OWU, ND Injection Tree, Release PKR, NU BOP, RU Workfloor, POOH & Inspect PKR (Bottom Rubber Element Was Toren), LD PKR, PU & RIH w/ Slauch Bit & Scraper to 4103', H/O Flushed Tbg w/ 30BW, TOOH & LD Scraper, MU & RIH w/ NEW Arrow Set PKR w/ XN Nipple Assa. TH Checking Tbg Connections, MU Isolation T, 17BW to Fill Tbg, PT Tbg to 3000psi, Observ Press, 140psi Loss First 15min, 90 in 15Min, 70 in 15Min, 100 in 20Min, Bleed Off Press, Repress to 3050psi, Let Set Over Night, SWIFN

CREW TRAVEL

CHECK PSR, GOOD TEST, RD WORKFLR, ND BOP, NU INJ TREE, PT - NO PSR LOSS

CREW TRAVEL

2400psi on Tbg, Bleed Off Press, Repressure to 3050psi, 15psi Loss in 15Min, NO PRESSURE LOSS in 30Min, GOOD Tbg TEST!, Retrieve Sind Valv, RD Workfloor, ND BOP. BMW H/O Pmped 60BWw/ PKR Fluids d/ Csg, Set Weatherford Arrow Set PKR CE @ 4024' w/ 1500# of Tension, NU Injection Tree, 28BW to Fill Annulus, Allowed Gas to Come Up Hole, PT to 1500psi, Observ Press, NO PRESSURE LOSS in 60Min, Newfield Wtr Service Rep Performed MIT.RDMOSU..FINAL RIG REPORT!!

CREW TRAVEL

On 06/02/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 06/03/2014 the casing was pressured up to 1371 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 450 psig during the test. There was not a State representative available to witness the test.

NEWFIELD

Schematic

Well Name: Federal 9-17-9-16

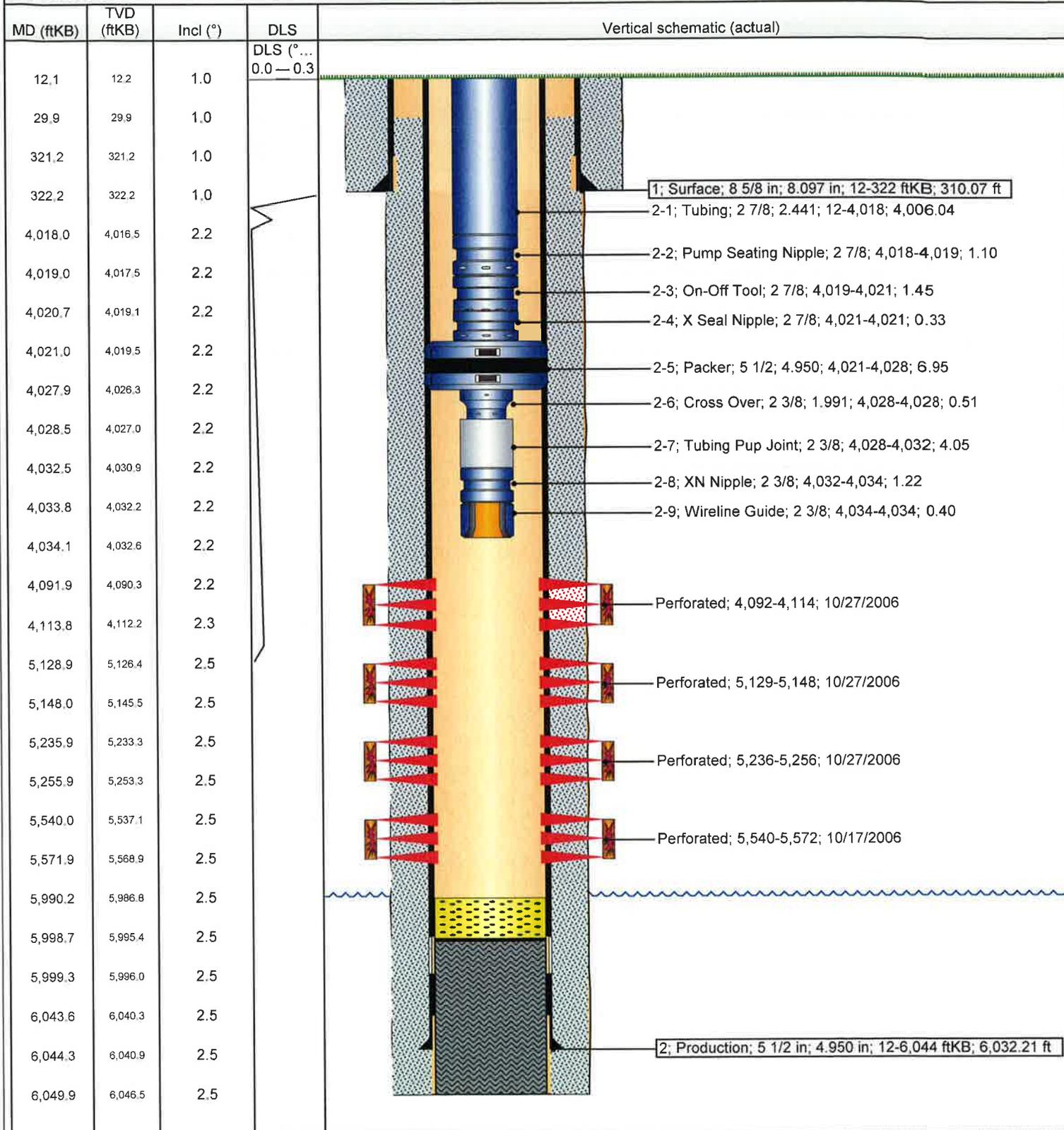
Surface Legal Location 17-9S-16E		API/UWI 43013330320000	Well RC 500155826	Lease	State/Province Utah	Field Name GMBU CT B3	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 11/2/2006	Original KB Elevation (ft) 5,965	Ground Elevation (ft) 5,953	Total Depth All (TVD) (ftKB)	PBSD (All) (ftKB) Original Hole - 5,998.7	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type Basic	Job Start Date 5/22/2014	Job End Date 6/3/2014
---------------------------------------	--------------------------------	-----------------------------	-----------------------------	--------------------------

TD: 6,050.0

Vertical - Original Hole, 6/4/2014 12:43:11 PM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 9-17-9-16**

Surface Legal Location 17-9S-16E		API/UWI 43013330320000		Lease	
County DUCHESENE		State/Province Utah		Basin Uintah Basin	
Well Start Date 9/10/2006		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 5,965		Ground Elevation (ft) 5,953		Total Depth (ftKB) 6,050.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 5,998.7	
				On Production Date 11/2/2006	
				Field Name GMBU CTB3	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/11/2006	8 5/8	8.097	24.00	J-55	322
Production	10/6/2006	5 1/2	4.950	15.50	J-55	6,044

Cement**String: Surface, 322ftKB 9/12/2006**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.1	Full Return?	Vol Cement Ret (bbl) 6.0
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, 6,044ftKB 10/6/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 30.0	Bottom Depth (ftKB) 6,050.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premilite II w/ 10% gel + 3 % KCL, 3#/s /sk CSE + 2# sk/kolseal + 1/2#/s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 325	Class Premium Plus	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 mixed @ 14.4 ppg W/ 1.24 YLD		Fluid Type Tail	Amount (sacks) 450	Class 50/50 POZ	Estimated Top (ftKB) 3,025.0

Tubing Strings

Tubing Description		Run Date			Set Depth (ftKB)			
Tubing		5/27/2014			4,034.1			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	129	2 7/8	2.441	6.50	J-55	4,006.04	12.0	4,018.0
Pump Seating Nipple	1	2 7/8				1.10	4,018.0	4,019.1
On-Off Tool	1	2 7/8				1.45	4,019.1	4,020.6
X Seal Nipple	1	2 7/8				0.33	4,020.6	4,020.9
Packer	1	5 1/2	4.950			6.95	4,020.9	4,027.9
Cross Over	1	2 3/8	1.991			0.51	4,027.9	4,028.4
Tubing Pup Joint	1	2 3/8				4.05	4,028.4	4,032.4
XN Nipple	1	2 3/8				1.22	4,032.4	4,033.7
Wireline Guide	1	2 3/8				0.40	4,033.7	4,034.1

Rod Strings

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,990	5,999	2/22/2007	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
4	GB4, Original Hole	4,092	4,114	4	90	0.430	10/27/2006
3	A3, Original Hole	5,129	5,148	4	90	0.430	10/27/2006
2	LODC, Original Hole	5,236	5,256	4	120	0.430	10/27/2006
1	CP1, Original Hole	5,540	5,572	4	120	0.490	10/17/2006

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	2,000	0.79	24.9	1,930			
2	2,560	0.92	30.2	3,250			
3	2,240	0.87	25.2	2,510			
4	1,490	0.8	14.4	1,660			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 89695 lb
2		Proppant Bulk Sand 80345 lb

NEWFIELD

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



Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
3		Proppant Bulk Sand 80324 lb
4		Proppant Bulk Sand 38251 lb

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 9-17-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2108 FSL 0636 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013330320000
PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/17/2014	<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 type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Workover MIT"/>

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

The above subject well had workover procedures performed (fish gyro tool), attached is a daily status report. On 06/13/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 06/17/2014 the csg was pressured up to 1257 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbp pressure was 500 psig during the test. There was not a State representative available to witness the test.

**Accepted by the
Utah Division of
Oil, Gas and Mining**
 June 26, 2014

Date: _____
 By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/18/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date 6/17/14 Time 9:53 am pm
Test Conducted by: R. By B. By
Others Present: _____

Well: <u>Federal 9-17-9-16</u>	Field: <u>Monument + B-112</u>
Well Location: <u>Federal 9-17-9-16</u> <u>NE/SE Sec 17, T9S, R14E</u> <u>Duchene, County Utah</u>	API No: <u>4301333032</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1257</u>	psig
5	<u>1257</u>	psig
10	<u>1257</u>	psig
15	<u>1257</u>	psig
20	<u>1257</u>	psig
25	<u>1257</u>	psig
30 min	<u>1257</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

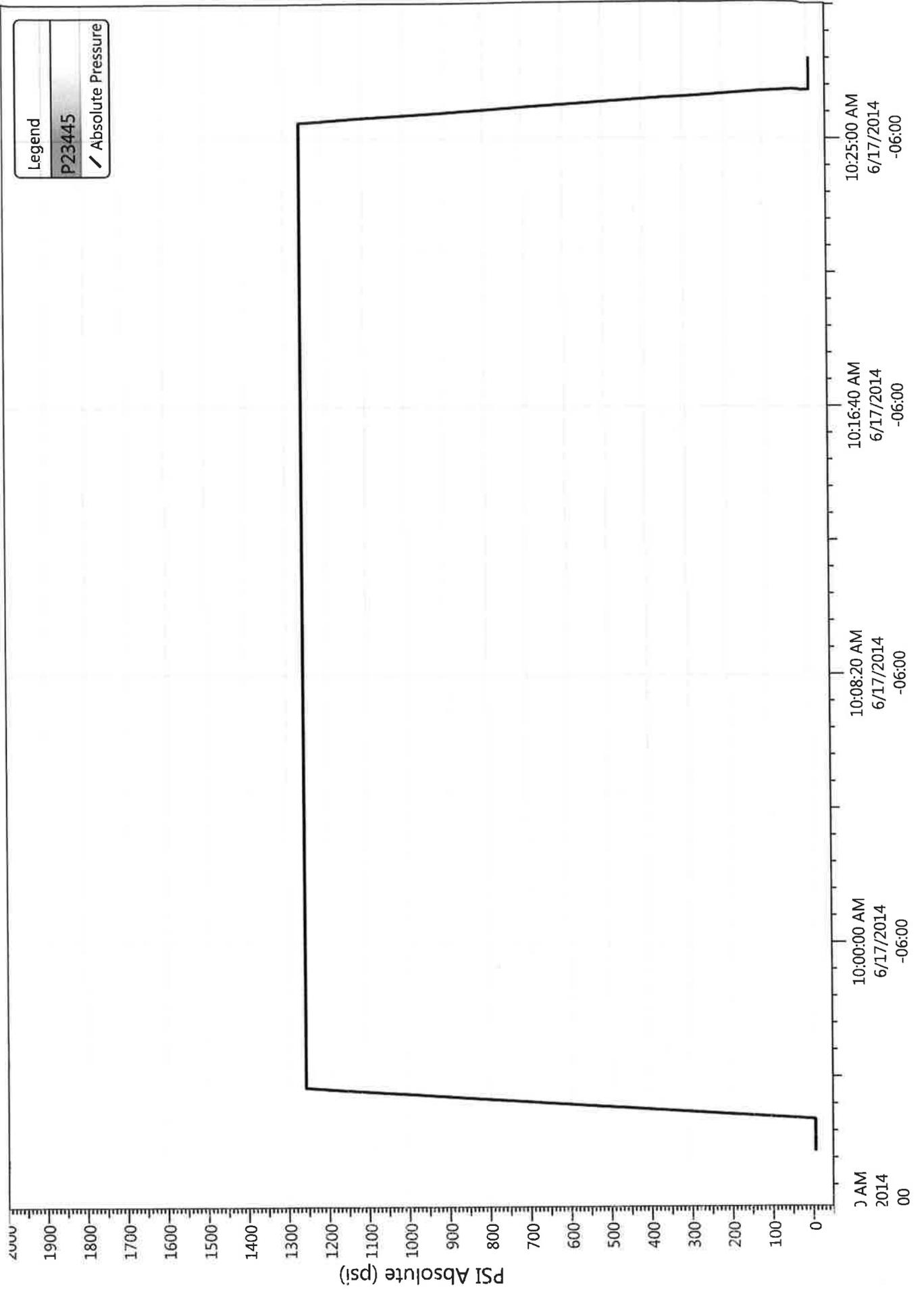
Tubing pressure: 500 psig

Result: Pass Fail

Signature of Witness: _____
Signature of Person Conducting Test: R. By B. By

Federal 9-17-9-16 (conversion MIT 6/17/14)

6/17/2014 9:53:04 AM





Well Name: Federal 9-17-9-16

Job Detail Summary Report

Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	08:00	Comment
Start Time	08:00	End Time	09:00	Comment
Start Time	09:00	End Time	09:30	Comment
Start Time	09:30	End Time	12:00	Comment
Start Time	12:00	End Time	13:00	Comment
Start Time	13:00	End Time	14:30	Comment
Start Time	14:30	End Time	15:00	Comment
Start Time	15:00	End Time	15:30	Comment
Start Time	15:30	End Time	16:30	Comment
Report Start Date	6/16/2014	Report End Date	6/16/2014	24hr Activity Summary
Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	09:00	Comment
Start Time	09:00	End Time	09:30	Comment
Start Time	09:30	End Time	10:00	Comment
Start Time	10:00	End Time	11:00	Comment

NEWFIELD

Schematic

Well Name: Federal 9-17-9-16

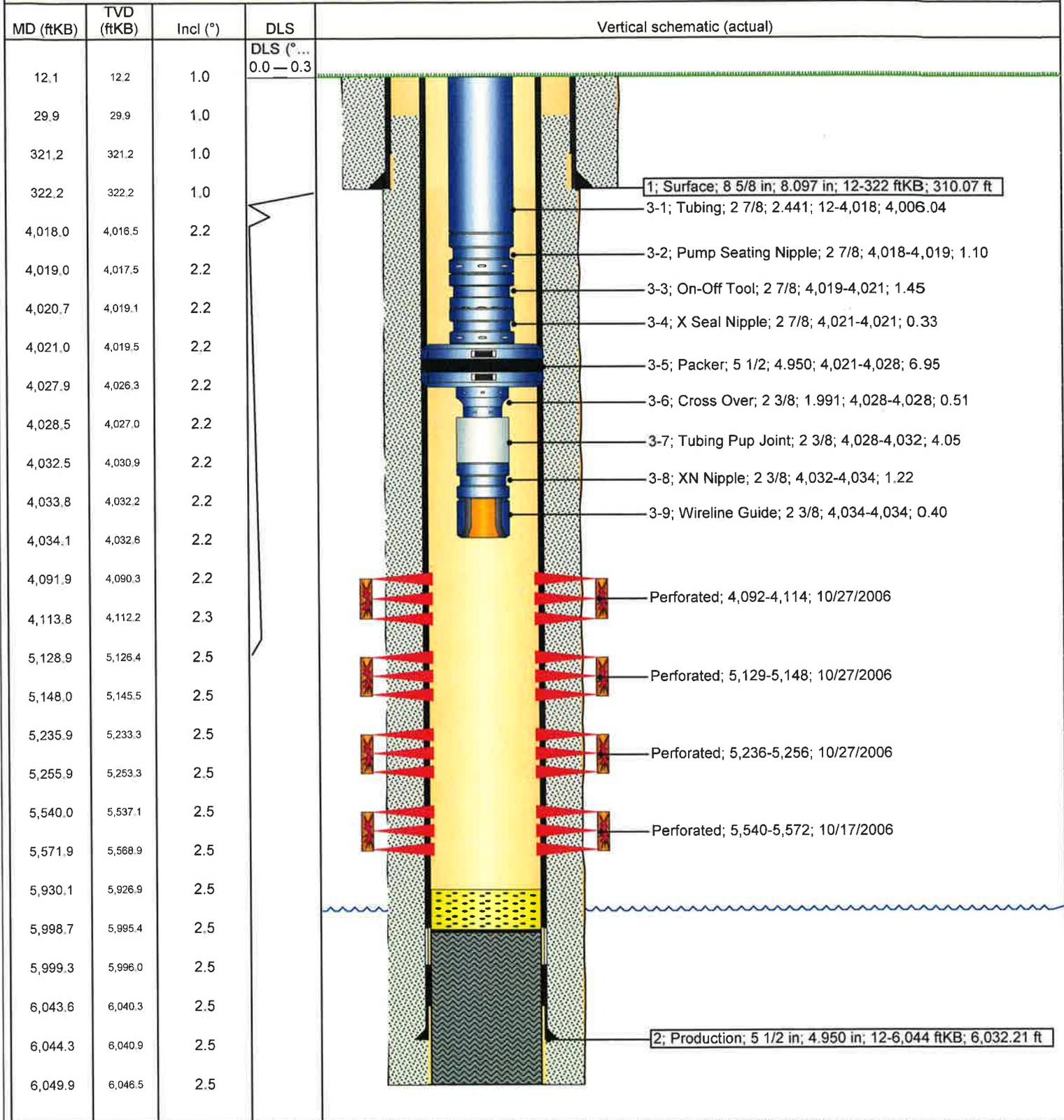
Surface Legal Location 17-9S-16E		API/JWI 43013330320000	Well RC 500155826	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 11/2/2006	Original KB Elevation (ft) 5,965	Ground Elevation (ft) 5,953	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,998.7	

Most Recent Job

Job Category Production / Workover	Primary Job Type GYRO Survey	Secondary Job Type Survey	Job Start Date 6/11/2014	Job End Date 6/17/2014
---------------------------------------	---------------------------------	------------------------------	-----------------------------	---------------------------

TD: 6,050.0

Vertical - Original Hole, 6/18/2014 8:31:45 AM



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

Surface Legal Location 17-9S-16E		API/UWI 43013330320000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 9/10/2006		Spud Date		Final Rig Release Date	
Original KB Elevation (ft) 5,965		Ground Elevation (ft) 5,953		Total Depth All (TVD) (ftKB) 6,050.0	
				PBTD (All) (ftKB) Original Hole - 5,998.7	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/11/2006	8 5/8	8.097	24.00	J-55	322
Production	10/6/2006	5 1/2	4.950	15.50	J-55	6,044

Cement**String: Surface, 322ftKB 9/12/2006**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.1	Full Return?	Vol Cement Ret (bbl) 6.0
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, 6,044ftKB 10/6/2006

Cementing Company BJ Services Company		Top Depth (ftKB) 30.0	Bottom Depth (ftKB) 6,050.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description Premite II w/ 10% gel + 3% KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 325	Class Premium Plus	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 mixed @ 14.4 ppg W/ 1.24 YLD		Fluid Type Tail	Amount (sacks) 450	Class 50/50 POZ	Estimated Top (ftKB) 3,025.0

Tubing Strings

Tubing Description		Run Date		Set Depth (ftKB)				
Tubing		6/16/2014		4,034.1				
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	128	2 7/8	2.441	6.50	J-55	4,006.04	12.0	4,018.1
Pump Seating Nipple	1	2 7/8				1.10	4,018.1	4,019.2
On-Off Tool	1	2 7/8				1.45	4,019.2	4,020.6
X Seal Nipple	1	2 7/8				0.33	4,020.6	4,021.0
Packer	1	5 1/2	4.950			6.95	4,021.0	4,027.9
Cross Over	1	2 3/8	1.991			0.51	4,027.9	4,028.4
Tubing Pup Joint	1	2 3/8				4.05	4,028.4	4,032.5
XN Nipple	1	2 3/8				1.22	4,032.5	4,033.7
Wireline Guide	1	2 3/8				0.40	4,033.7	4,034.1

Rod Strings

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	5,930	5,999	11/21/2009	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
4	GB4, Original Hole	4,092	4,114	4	90	0.430	10/27/2006
3	A3, Original Hole	5,129	5,148	4	90	0.430	10/27/2006
2	LODC, Original Hole	5,236	5,256	4	120	0.430	10/27/2006
1	CP1, Original Hole	5,540	5,572	4	120	0.490	10/17/2006

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	2,000	0.79	24.9	1,930			
2	2,560	0.92	30.2	3,250			
3	2,240	0.87	25.2	2,510			
4	1,490	0.8	14.4	1,660			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 89695 lb
2		Proppant Bulk Sand 80345 lb

NEWFIELD

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



Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
3		Proppant Bulk Sand 80324 lb
4		Proppant Bulk Sand 38251 lb

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
8. WELL NAME and NUMBER: FEDERAL 9-17-9-16	
9. API NUMBER: 43013330320000	
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
10. COUNTY: DUCHESNE	
10. STATE: UTAH	
1. TYPE OF WELL Water Injection Well	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	
PHONE NUMBER: 435 646-4825 Ext	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2108 FSL 0636 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/9/2014	<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 9:50 AM on
 07/09/2014

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 July 11, 2014

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



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

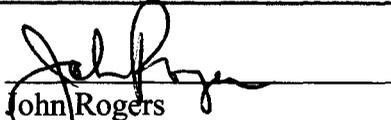
Cause No. UIC-418

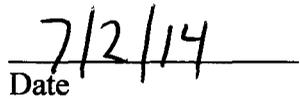
Operator: Newfield Production Company
Well: Federal 9-17-9-16
Location: Section 17, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33032
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on April 16, 2014.
2. Maximum Allowable Injection Pressure: 1,463 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,939' – 5,998')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director


Date

JR/MLR/js

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

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





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 16, 2014

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

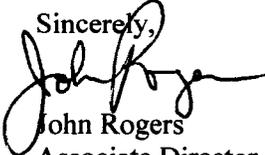
Subject: Greater Monument Butte Unit Well: Federal 9-17-9-16, Section 17, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33032

Newfield Production Company:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,939 feet in the Federal 9-17-9-16 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.

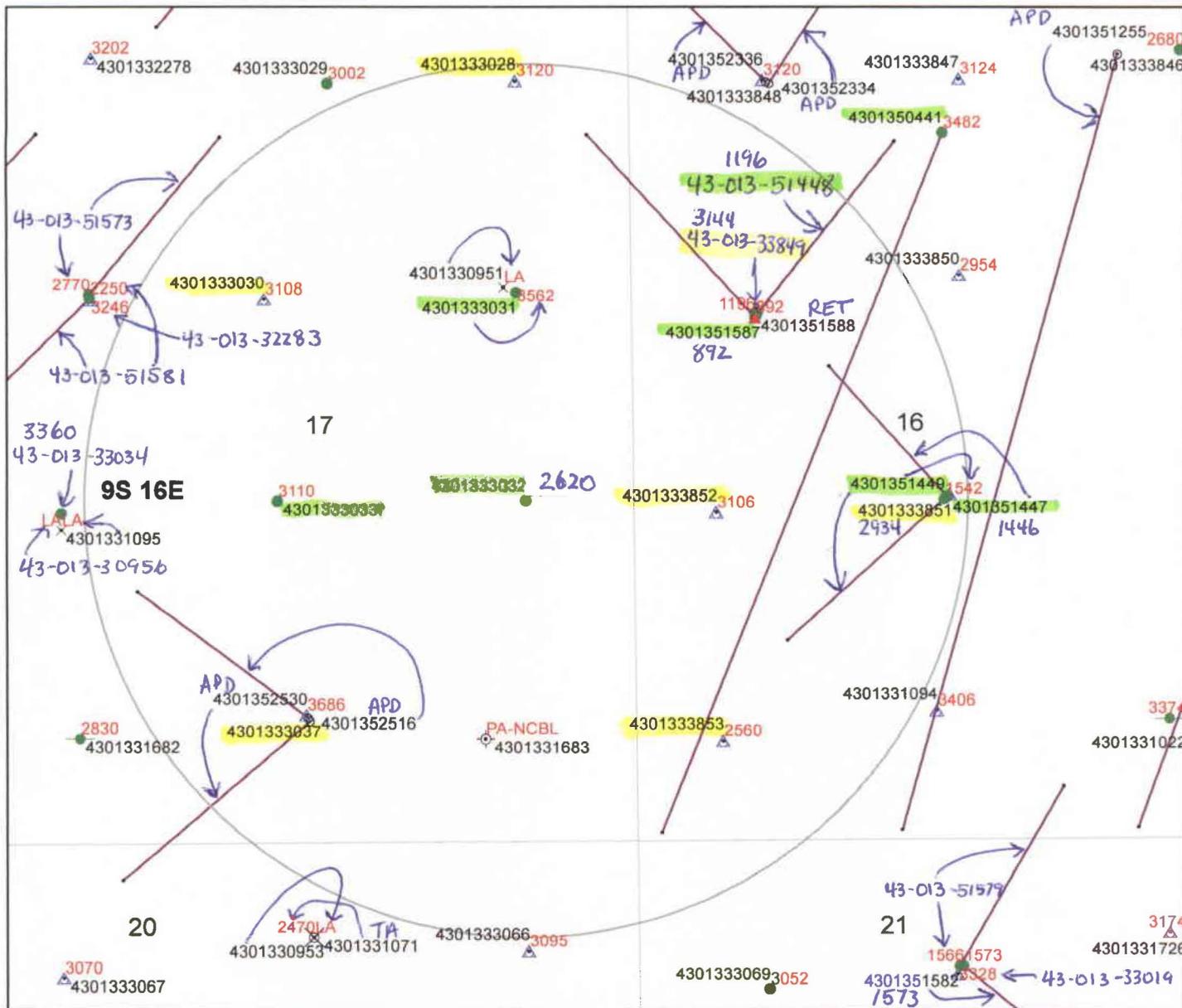
Sincerely,

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





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
- **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
- ▲ **in AOR**
- WSW-Water Supply Well

**Cement Bond Tops
Federal 9-17-9-16
API #43-013-33032
UIC-418.11**



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

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

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

Location: 17/9S/16E **API:** 43-013-33032

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 322 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,044 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,620 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,042 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 6 producing wells, 7 injection wells and 1 P/A well in the AOR. One of the directional producing wells has a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there is 1 horizontal producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there is 1 approved surface location inside the AOR from which a directional well will be drilled to a bottom hole location outside 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 3,939 feet and 5,998 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 9-17-9-16 well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,463 psig. The requested maximum pressure is 1,463 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 9-17-9-16

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: 4/3/2014

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

The Salt Lake Tribune

MEDIAOne

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Noltan 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	900	MAR 05 2014

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	ADORDER# / INVOICE
8015385340	0000941195 /
SCHEDULE	
Start 02/22/2014	End 02/22/2014
CUST. REF. NO.	
Newfield Cause UIC-418	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATU	
SIZE	
96 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
327.56	

BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 9, 13, 16, 17, 20, 22, AND 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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, 1301 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:
 Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East
 API 43-013-32912
 Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East
 API 43-013-32951
 Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East
 API 43-013-32907
 Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East
 API 43-013-32913
 Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East
 API 43-013-33053
 South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East
 API 43-013-33044
 Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East
 API 43-013-32659
 Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East
 API 43-013-32655
 Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East
 API 43-013-32649
 State 16-1-0 well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East
 API 43-013-31022
 Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East
 API 43-013-33032
 Federal 18-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East
 API 43-013-33108
 Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East
 API 43-013-31647
 Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East
 API 43-013-30662

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

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

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

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, UTAH, NOTICE IS ALSO POSTED ON UTAHLEGAL.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE OF THE MATTER UTAHLEGAL.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101, 46-3-104.

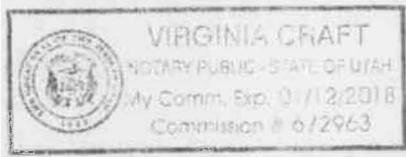
Dated this 18th day of February, 2014,
 STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/
 Brad Hill
 Permitting Manager

PUBLISHED ON Start 02/22/2014 End 02/22/2014

SIGNATURE [Signature]

DATE 2/25/2014

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



Virginia Craft
 NOTARY SIGNATURE

2250/REB/GG-DIC Admin/GF:3/6/13

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 25 day of February, 2014, and that the last publication of such notice was in the issue of such newspaper dated the 25 day of February, 2014, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

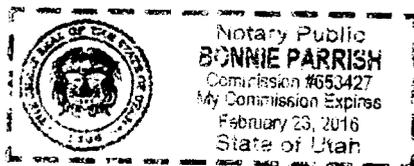
Subscribed and sworn to before me on this

26 day of February, 2014

by Kevin Ashby.



Notary Public



**BEFORE THE
DIVISION
OF OIL, GAS
AND MINING,
DEPART-
MENT OF
NATURAL
RESOURCES,
STATE OF
UTAH,
NOTICE OF
AGENCY
ACTION,
CAUSE NO.
UIC-418**

IN THE MATTER OF THE APPLICATION OF NEW-FIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32649 State 16-1-O well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East

API 43-013-31022 Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33032 Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33108 Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township

For use: record with bar graph to Net Co. de: the oil in mt print the fif pu no Pr fo B1 M 14

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 18th day of February, 2014.

STATE OF UTAH
DIVISION OF
OIL, GAS & MINING

/s/

Brad Hill
Permitting Manager

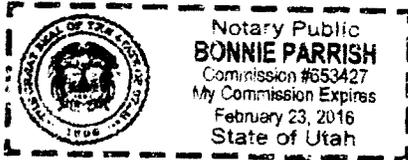
Published in the
Utah Basin Standard February 25, 2014.

26 day of February, 20 14

by Kevin Ashby.

Bonnie Parrish

Notary Public



IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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- API 43-013-32649
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- API 43-013-31022
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- API 43-013-33032
- Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East
- API 43-013-33108
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- API 43-013-31647
- Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East
- API 43-013-30662
- The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.
- Selected zones in the Green River

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-418

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22, and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32913
- Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33053
- South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East
API 43-013-32044
- Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32659
- Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32655
- Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East
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API 43-013-31647
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Dated this 18th day of February, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill
Permitting Manager

Newfield Production Company

**ASHLEY FEDERAL 14-25-9-15, ASHLEY FEDERAL 16-25-9-15,
ASHLEY FEDERAL 14-26-9-15, ASHLEY FEDERAL 16-26-9-15,
FEDERAL 14-9-9-16, SOUTH WELLS DRAW 16-9-9-16,
FEDERAL 2-13-9-16, FEDERAL 8-13-9-16, FEDERAL 14-13-9-16,
STATE 16-1-O, FEDERAL 9-17-9-16, FEDERAL 10-20-9-16,
MONUMENT FEDERAL 11-22-9-16Y, FEDERAL 7-23.**

Cause No. UIC-418

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

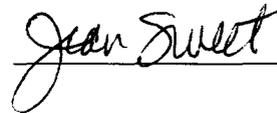
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

February 20, 2014

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure





Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-418

UB Standard Legals <ubslegals@ubmedia.biz>
To: Jean Sweet <jsweet@utah.gov>

Thu, Feb 20, 2014 at 3:52 PM

On 2/20/2014 9:52 AM, Jean Sweet wrote:

To Whom It May Concern:

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

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

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

Received. It will be published Feb. 25.
Thank you.
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

February 20, 2014

Via e-mail naclegal@mediaoneutah.com

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-418

To Whom It May Concern:

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

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

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Order Confirmation for Ad #0000941195-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO: SALT LAKE CITY, UT 84114

Fax	801-359-3940	Ordered By	Acct. Exec
Email	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$327.56			
Payment Amt	\$0.00			
Amount Due	\$327.56	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	2.0 X 96 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	2/22/2014	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	2/22/2014	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	2/22/2014	

Ad Content Proof Actual Size

**BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-418**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 25 and 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, and SECTIONS 9, 13, 16, 17, 20, 22 and 23, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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 injector wells:

- Greater Monument Butte Unit:
- Ashley Federal 14-25-9-15 well located in SE/4 SW/4, Section 25, Township 9 South, Range 15 East
API 43-013-32912
 - Ashley Federal 16-25-9-15 well located in SE/4 SE/4, Section 25, Township 9 South, Range 15 East
API 43-013-32951
 - Ashley Federal 14-26-9-15 well located in SE/4 SW/4, Section 26, Township 9 South, Range 15 East
API 43-013-32907
 - Ashley Federal 16-26-9-15 well located in SE/4 SE/4, Section 26, Township 9 South, Range 15 East
API 43-013-32913
 - Federal 14-9-9-16 well located in SE/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33053
 - South Wells Draw 16-9-9-16 well located in SE/4 SE/4, Section 9, Township 9 South, Range 16 East
API 43-013-32044
 - Federal 2-13-9-16 well located in NW/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32659
 - Federal 8-13-9-16 well located in SE/4 NE/4, Section 13, Township 9 South, Range 16 East
API 43-013-32655
 - Federal 14-13-9-16 well located in SE/4 SW/4, Section 13, Township 9 South, Range 16 East
API 43-013-32649
 - Stone 16-1-0 well located in SW/4 SE/4, Section 16, Township 9 South, Range 16 East
API 43-013-31022
 - Federal 9-17-9-16 well located in NE/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33032
 - Federal 10-20-9-16 well located in NW/4 SE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33108
 - Monument Federal 11-22-9-16Y well located in NW/4 NW/4, Section 22, Township 9 South, Range 16 East
API 43-013-31647
 - Federal 7-23 well located in SW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-30662

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

Selected zones in the Greer River Formation will be used for water injector. The maximum requested injector 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 18th day of February, 2014.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

941195 UPAXIP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

February 7, 2014

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

RECEIVED

FEB 10 2014

DIV. OF OIL, GAS & MINING

RE: Permit Application for Water Injection Well
Federal #9-17-9-16
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 #9-17-9-16 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

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #9-17-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-52018
FEBRUARY 7, 2014

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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

Proposed Injection Wellbore Diagram

SURFACE CASING

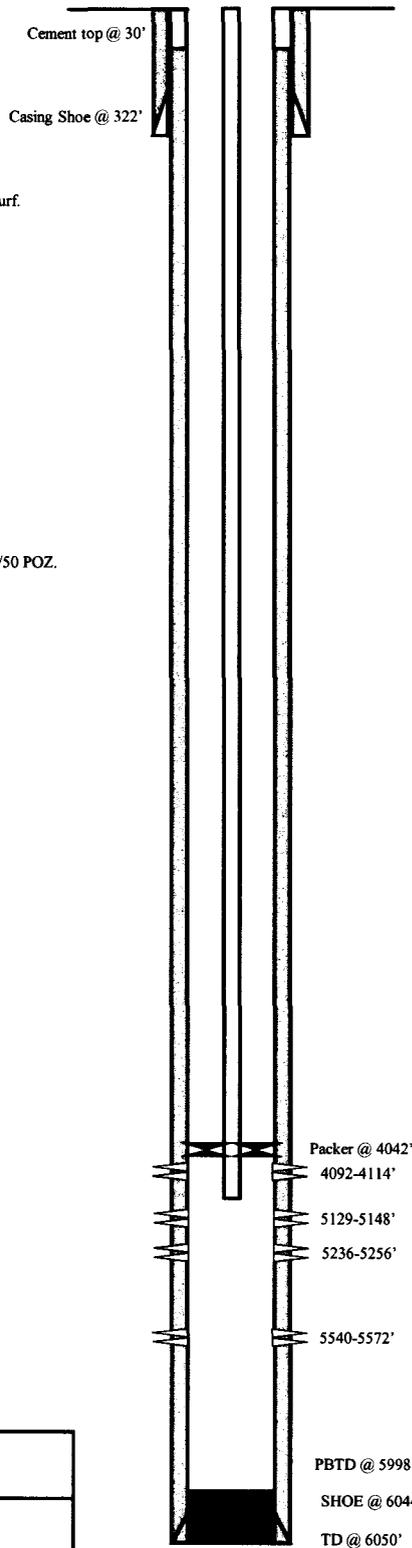
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (310.22')
 DEPTH LANDED: 322.07' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

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



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

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 #9-17-9-16 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 #9-17-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3939' - 5998'). 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 3620' and the TD is at 6050'.

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

The referenced log for the Federal #9-17-9-16 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 refilled.**

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

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

The casing program is 8-5/8", 24# surface casing run to 322' KB, and 5-1/2", 15.5# casing run from surface to 6044' 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 1463 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 #9-17-9-16, for existing perforations (4092' - 5572') calculates at 0.80 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 1463 psig. We may add additional perforations between 3620' and 6050'. 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 #9-17-9-16, the proposed injection zone (3939' - 5998') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-11.

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

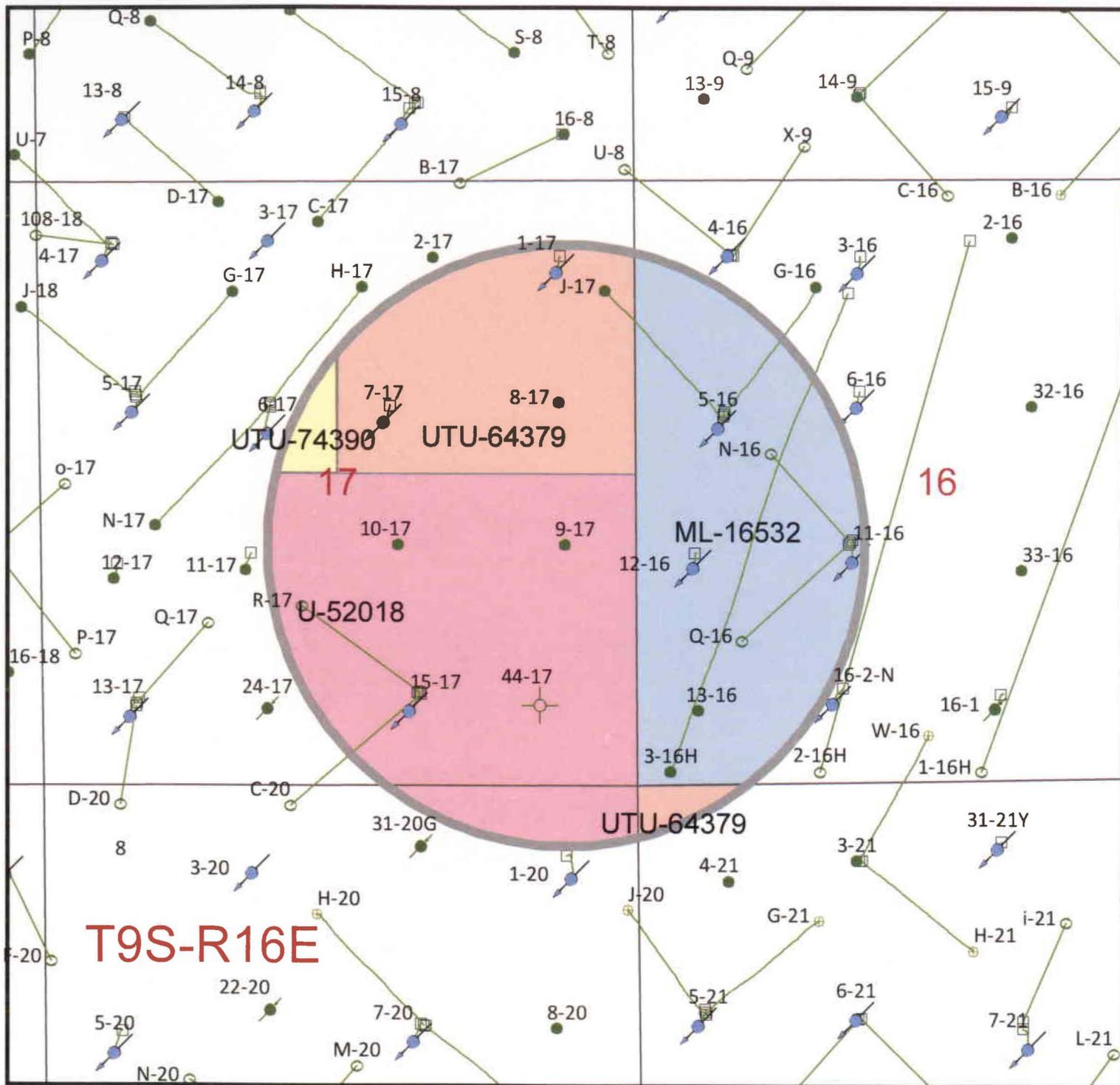
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

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

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

ATTACHMENT A



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

NEWFIELD N
↑

ROCKY MOUNTAINS^{1 in = 1250 feet}

1/2 Mile Radius Map

Duchesne County

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

Jan. 6, 2014

T9S-R16E

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 16: ALL	State of Utah ML 16532 HBP	QEP Energy Company El Paso E&P Company, LP Isramco Resources Inc Brave River Production Santa Fe Snyder Corporation Santa Fe Snyder Corporation Oxy USA Inc MYCO Industries Inc ABO Petroleum Corporation Yates Petroleum Corporation Newfield RMI LLC Newfield Production Company	State of Utah
2	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
3	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

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

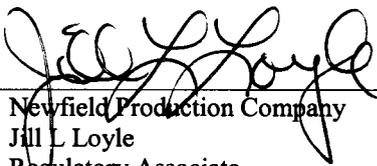
USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

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

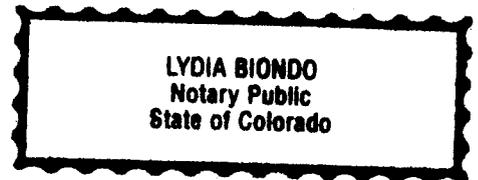
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 7 day of February, 2014.

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

My Commission Expires: 12/31/15



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

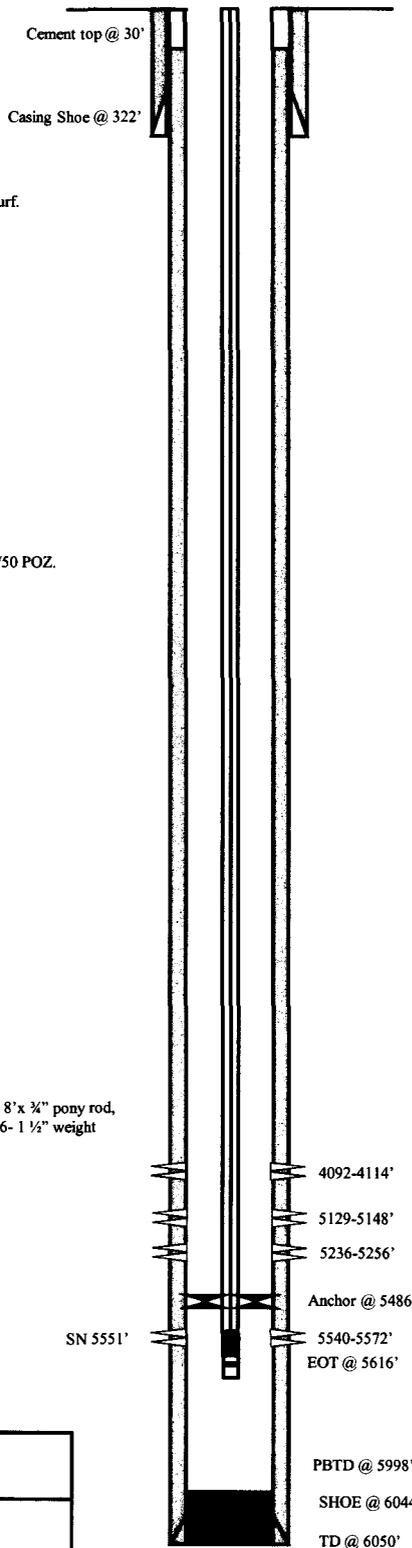
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5485.5')
 TUBING ANCHOR: 5485.5' KB
 NO. OF JOINTS: 2 jts (63.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5551.2' KB
 NO. OF JOINTS: 2 jts (63.1')
 TOTAL STRING LENGTH: EOT @ 5616' KB

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 1-17-9-16

Spud Date: 9-13-06
 Put on Production: 11-15-06
 GL: 5878' KB: 5890'

Injection Wellbore Diagram

SURFACE CASING

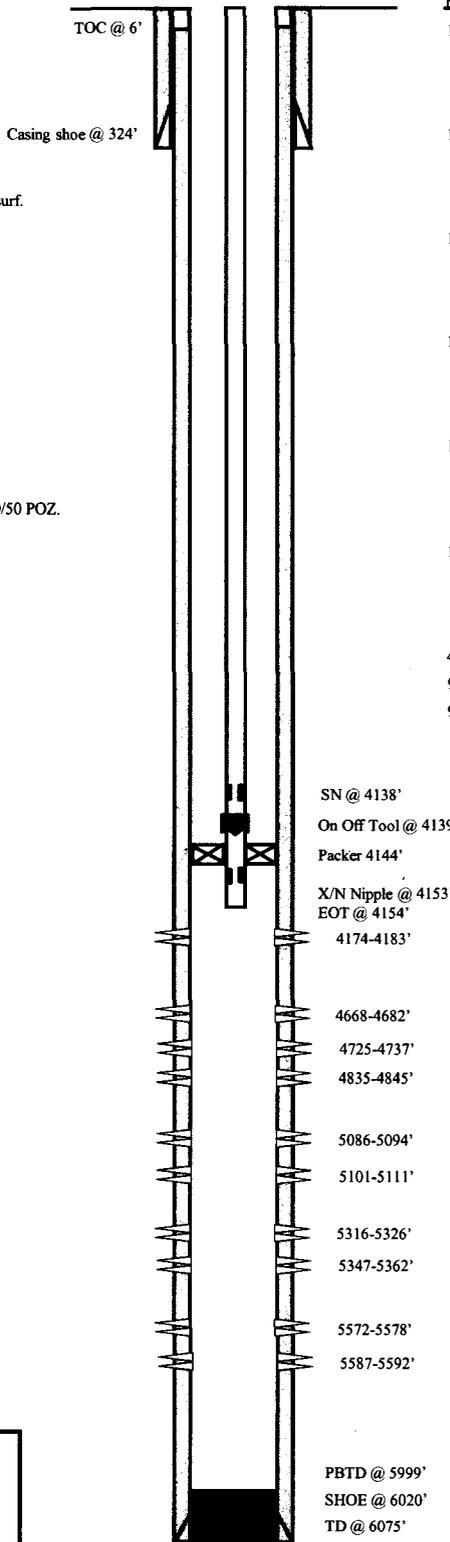
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (311.97')
 DEPTH LANDED: 323.82' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts (6007.66')
 DEPTH LANDED: 6020.91' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 6'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 136 jts (4126.3')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4138.3' KB
 ON/OFF TOOL AT: 4139.4'
 SEAL NIPPLE AT: 4140.8'
 ARROW #1 PACKER CE AT: 4144.47'
 XO 2-3/8 x 2-7/8 J-55 AT 4148.1'
 TBG PUP 2-3/8 N-80 AT: 4148.6'
 X/N NIPPLE AT: 4152.6'
 TOTAL STRING LENGTH: EOT @ 4154'



FRAC JOB

11-07-06 5572-5592' **Frac CP1 sands as follows:**
 25276# 20/40 sand in 354 bbls Lightning 17 frac fluid. Treated @ avg press of 2000 psi w/avg rate of 25.5 BPM. ISIP 2000 psi. Calc flush: 5107 gal. Actual flush: 5570 gal.

11-07-06 5316-5362' **Frac LODC sands as follows:**
 140563# 20/40 sand in 964 bbls Lightning 17 frac fluid. Treated @ avg press of 2425 psi w/avg rate of 25 BPM. ISIP 2450 psi. Calc flush: 4809 gal. Actual flush: 5314 gal.

11-08-06 5086-5111' **Frac A I sands as follows:**
 90538# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of psi w/avg rate of BPM. ISIP 2190 psi. Calc flush: 4578 gal. Actual flush: 5084 gal.

11-08-06 4835-4845' **Frac C sands as follows:**
 30222# 20/40 sand in 404 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 w/ avg rate of 25.5 BPM. ISIP 2060 psi. Calc flush: 4368 gal. Actual flush: 4833 gal.

11-08-06 4668-4737' **Frac D1, & D2 sands as follows:**
 80170# 20/40 sand in 587 bbls Lightning 17 frac fluid. Treated @ avg press of 1932 w/ avg rate of 25.5 BPM. ISIP 2090 psi. Calc flush: 4162 gal. Actual flush: 4666 gal.

11-08-06 4174-4183' **Frac GB4 sands as follows:**
 27661# 20/40 sand in 296 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 w/ avg rate of 25.3 BPM. ISIP 1818 psi. Calc flush: 4032 gal. Actual flush: 4172 gal.

4/13/11 **Tubing leak.** Updated rod & tubing detail.
 9/14/12 **Convert to Injection well**
 9/18/12 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
11-01-06	5587-5592'	4 JSPF	20 holes
11-01-06	5572-5578'	4 JSPF	24 holes
11-07-06	5347-5362'	4 JSPF	60 holes
11-07-06	5316-5326'	4 JSPF	40 holes
11-07-06	5101-5111'	4 JSPF	40 holes
11-07-06	5086-5094'	4 JSPF	32 holes
11-08-06	4835-4845'	4 JSPF	40 holes
11-08-06	4725-4737'	4 JSPF	48 holes
11-08-06	4668-4682'	4 JSPF	56 holes
11-08-06	4174-4183'	4 JSPF	36 holes

NEWFIELD

Federal 1-17-9-16

660' FNL & 660' FEL

NE/NE Section 17-T9S-R16E

Duchesne Co, Utah

API # 43-013-33028; 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

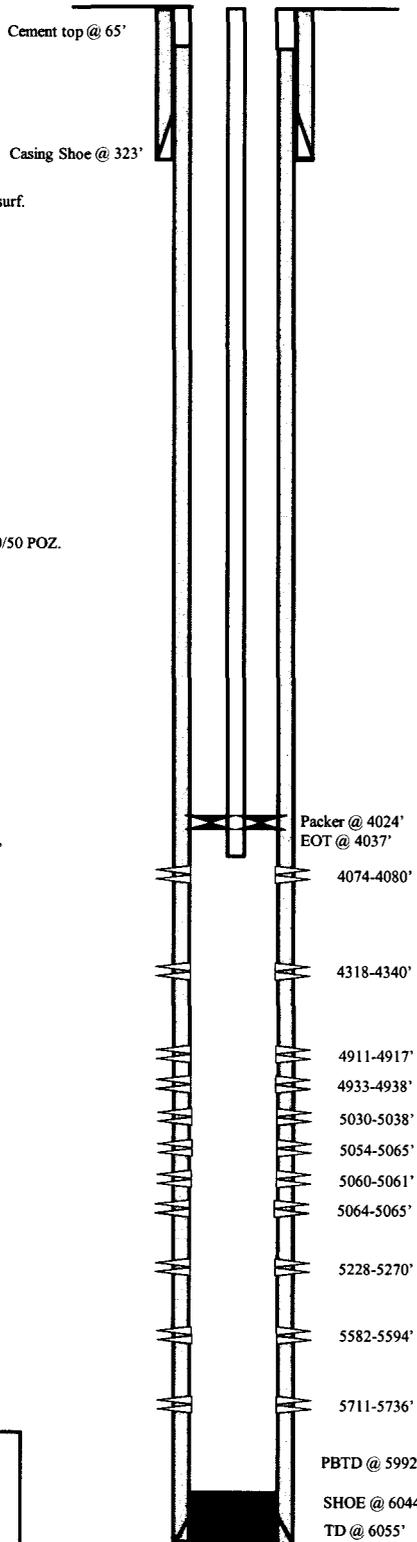
SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#
 NO. OF JOINTS: 127 jts (4009.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4021.0' KB
 ON/OFF TOOL AT: 4022.1'
 PACKER 5-1/2" ASIX w/1.875 "X" seal nipple AT: 4023.9'
 XO AT: 4030.9'
 TBG PUP 2-3/8" J-55 AT4031.4'
 XN NIPPLE 2-3/8" AT: 4035.5'
 TOTAL STRING LENGTH: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

PERFORATION RECORD

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		Convert to Injection Well
09/10/12		Conversion MIT Finalized - update tbg detail



NEWFIELD



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 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

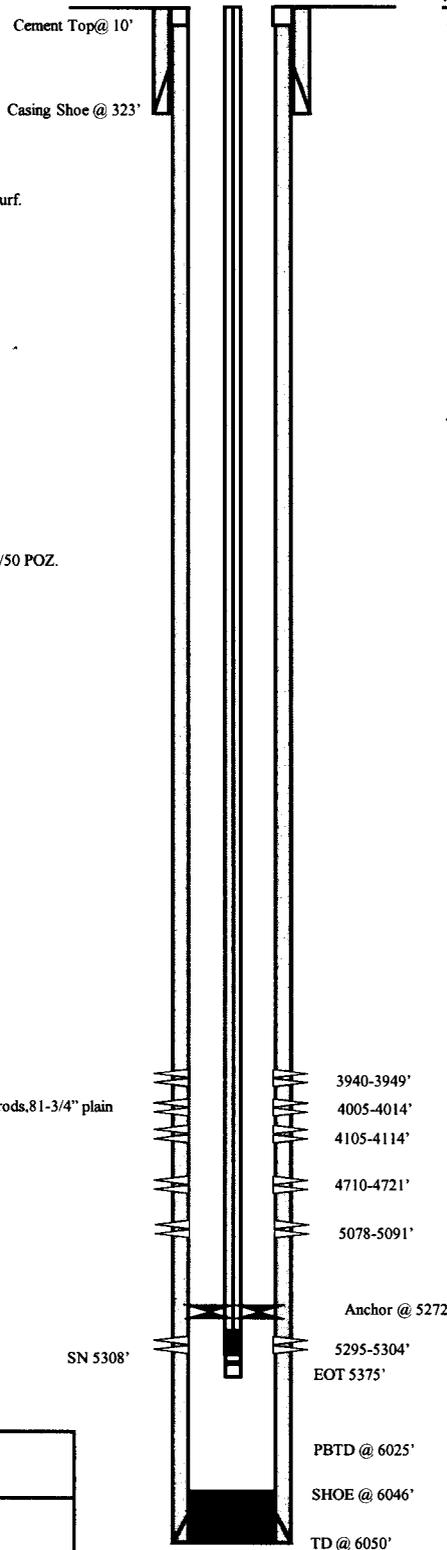
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 164 jts (5260.26')
 TUBING ANCHOR: 5272.26' KB
 NO. OF JOINTS: 1 jts (32.50')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5307.56' KB
 NO. OF JOINTS: 2 jts (66.03')
 TOTAL STRING LENGTH: EOT @ 5375.14' KB

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 417 bbls Lightning 17 frac fluid. Treated @ avg press of 1996 psi w/avg rate of 25.1 BPM. 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.
7/23/08		HIT. Rod & tubing updated.



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 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 Premlite II & 450 sxs 50/50 POZ.
 CEMENT TOP: 30' per CBL 10/11/06

TUBING (KS 10/20/06)

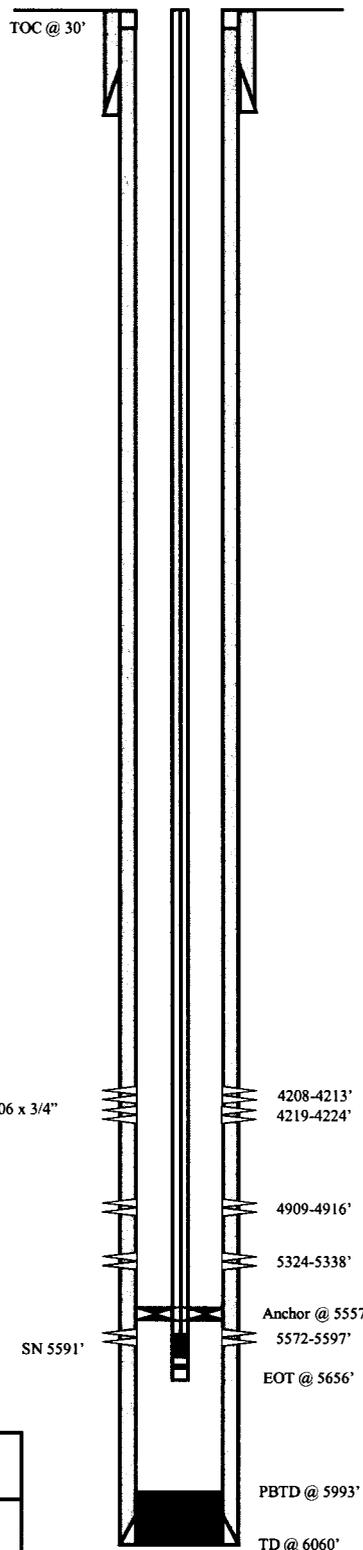
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 176jts (5544.87')
 TUBING ANCHOR: 5556.87'
 NO. OF JOINTS: 1jt (31.56')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5591.23'
 NO. OF JOINTS: 2jts (63.04')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5655.82'

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 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

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

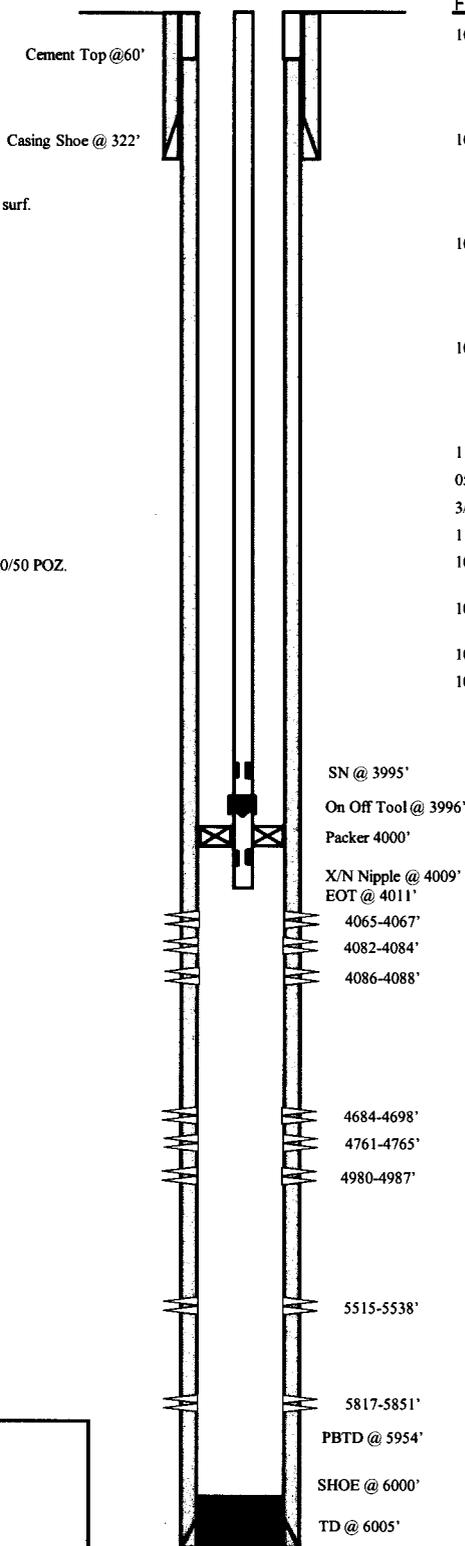
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.18')
 DEPTH LANDED: 322.03' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

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 CP1 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

Date	Well	JSPF	Holes
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

Spud Date: 04-07-08
 Put on Production: 05-14-08
 GL: 5922' KB: 5934'

State 5-16-9-16

Injection Wellbore Diagram

SURFACE CASING

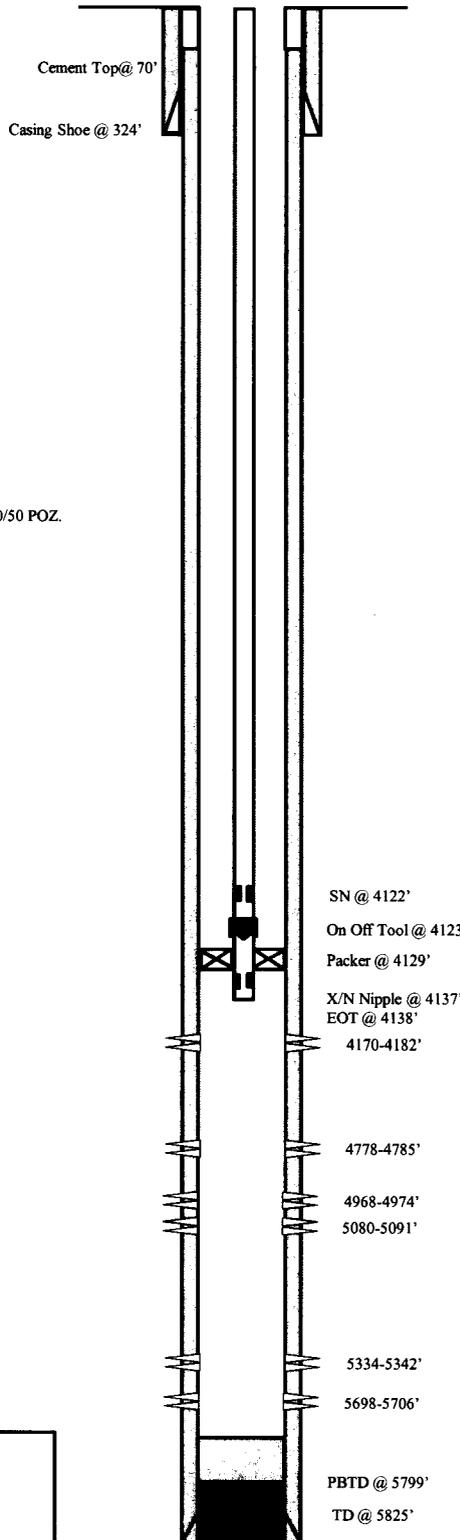
CSG SIZE: 8-7/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.48')
 DEPTH LANDED: 324'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139jts. (5807.48')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5820.73'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 70'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 131 jts (4110.1')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4122.1' KB
 ON/OFF TOOL AT: 4123.2'
 ARROW #1 PACKER CE AT: 4129'
 XO 2-3/8 x 2-7/8 J-55 AT: 4132'
 TBG PUP 2-3/8 J-55 AT: 4132.5'
 X/N NIPPLE AT: 4136.7'
 TOTAL STRING LENGTH: EOT @ 4138'



FRAC JOB

05-07-08 5698-5706' Frac CP3 sands as follows:
 Frac with 34586 #'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Treat at an ave pressure of 1941 psi @ 23.2 BPM. ISIP 2046 psi.

05-07-08 5334-5342' Frac LODC sands as follows:
 Frac with 24721 #'s of 20/40 sand in 348 bbls of Lightning 17 fluid. Treat at an ave pressure of 2425 psi @ 23.2 BPM. ISIP 2165 psi.

05-07-08 5080-5091' Frac A.5 sands as follows:
 Frac with 84098 #'s of 20/40 sand in 666 bbls of Lightning 17 fluid. Treat at an ave pressure of 2065 psi @ 23.2 BPM. ISIP 2582 psi.

05-07-08 4968-4974' Frac B2 sand as follows:
 Frac with 24764 #'s of 20/40 sand in 354 bbls of Lightning 17 fluid. Treat at an ave pressure of 3365 psi @ 23.3 BPM. ISIP 2959 psi.

05-07-08 4778-4785' Frac D2 sands as follows:
 Frac with 24664 #'s of 20/40 sand in 341 bbls Lightning of 17 fluid. Treat at an ave pressure of 1975 psi @ 23.3 BPM. ISIP 2279 psi.

05-07-08 4170-4182' Frac GB4 sands as follows:
 Frac with 59402 #'s of 20/40 sand in 511 bbls of Lightning 17 fluid. Treat at an ave pressure of 1805 psi @ 23.3 BPM. ISIP 1929 psi.

12-18-09 Pump Change. Update rod and tubing detail

11/28/12 Convert to Injection Well

11/29/12 Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

4170-4182'	4 JSPF	48 holes
4778-4785'	4 JSPF	28 holes
4968-4974'	4 JSPF	24 holes
5080-5091'	4 JSPF	44 holes
5334-5342'	4 JSPF	32 holes
5698-5706'	4 JSPF	32 holes

NEWFIELD

State 5-16-9-16
 2043' FNL & 758' FWL
 SWNW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33849; Lease #ML-16532

Spud Date: 07-16-08
 Put on Production: 08-27-08
 GL: 5907' KB: 5919'

State 11-16-9-16

Injection Wellbore
Diagram

SURFACE CASING

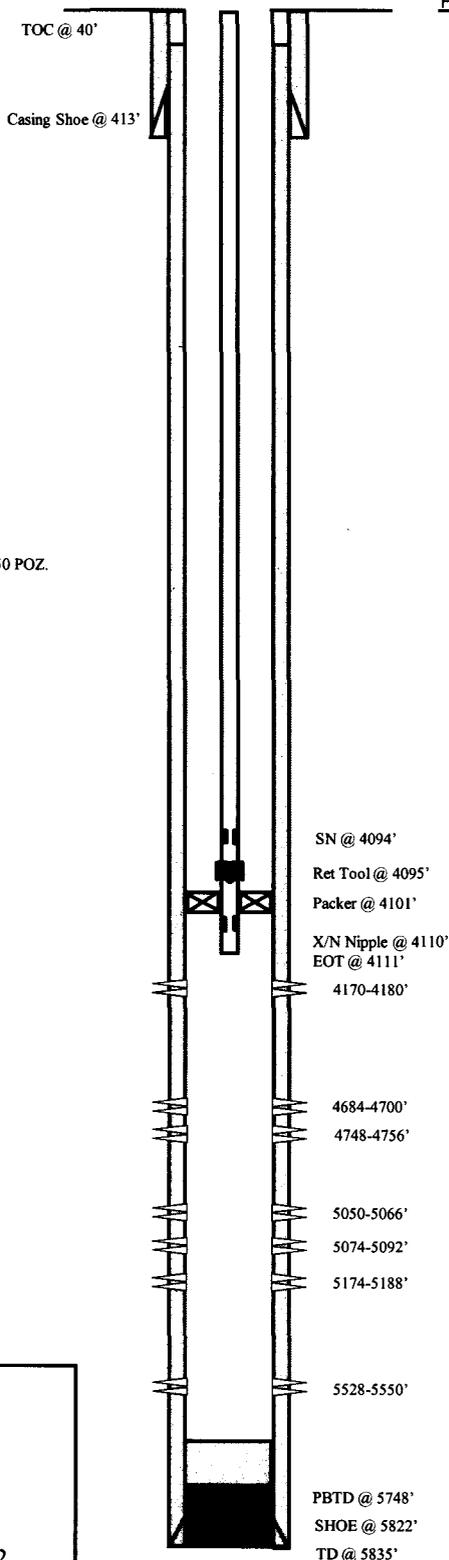
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts. (403.45')
 DEPTH LANDED: 413.45'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 218 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (5809.54')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.14'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 40'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 133 jts (4082')
 SEATING NIPPLE: 2-7/8" N-80 (1.10')
 SN LANDED AT: 4094' KB
 RET TOOL N-80 AT: 4095.1'
 ARROW #1 PACKER CE AT: 4101.4'
 XO 2-3/8 x 2-7/8 J-55 AT: 4105.1'
 TBG PUP 2-3/8 J-55 AT: 4105.6'
 X/N NIPPLE AT: 4109.7'
 TOTAL STRING LENGTH: EOT @ 4111.27'



FRAC JOB

08-18-08	5528-5550'	Frac CP1 sands as follows: Frac with 85230 #'s of 20/40 sand in 662 bbls of Lightning 17 fluid. Treat at an ave pressure of 1430 psi @ 23.3 BPM. ISIP 1935 psi.
08-18-08	5174-5188'	Frac LODC sands as follows: Frac with 35330 #'s of 20/40 sand in 371 bbls of Lightning 17 fluid. Treat at an ave pressure of 3100 psi @ 20.1 BPM. ISIP 4026 psi.
08-18-08	5050-5092'	Frac A1 sands as follows: Frac with 84924 #'s of 20/40 sand in 701 bbls Lightning 17 fluid. Treat at an ave pressure of 1705 psi @ 23.2 BPM. ISIP 2112 psi.
08-18-08	4684-4756'	Frac D2 & D3 sands as follows: Frac with 50386 #'s of 20/40 sand in 440 bbls of Lightning 17 fluid. Treat at an ave pressure of 1826 psi @ 23.1 BPM. ISIP 2101 psi.
08-18-08	4170-4180'	Frac CB6 sands as follows: Frac with 39122 #'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Treat at an ave pressure of 1873 psi @ 23.1 BPM. ISIP 1993 psi.
9/10/08		Pump Change. Updated rod & tubing details.
07/16/13		Convert to Injection Well
07/17/13		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

4170-4180'	4 JSPF	40 holes
4684-4700'	4 JSPF	64 holes
4748-4756'	4 JSPF	32 holes
5050-5066'	4 JSPF	64 holes
5074-5092'	4 JSPF	72 holes
5174-5188'	4 JSPF	56 holes
5528-5550'	4 JSPF	88 holes



State 11-16-9-16
 2129' FSL & 1899' FWL
 NESW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33851; Lease # ML-16532

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

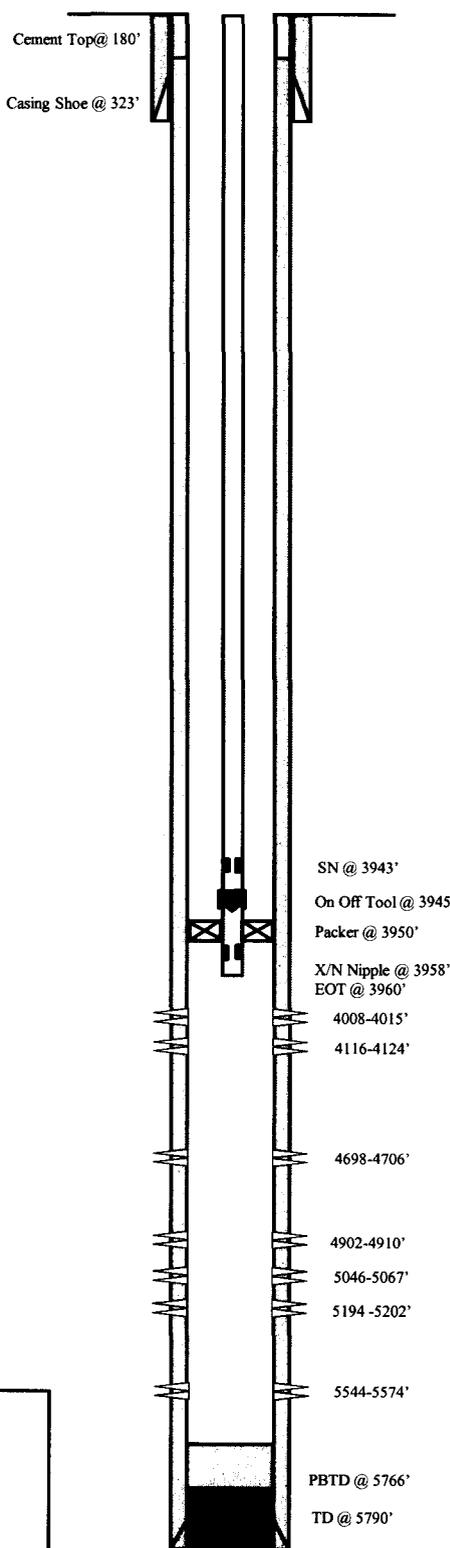
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.7')
 DEPTH LANDED: 323'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 160 sx Class 'G' cmt

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 Premlite 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

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

State 13-16-9-16

Injection Wellbore
 Diagram

SURFACE CASING

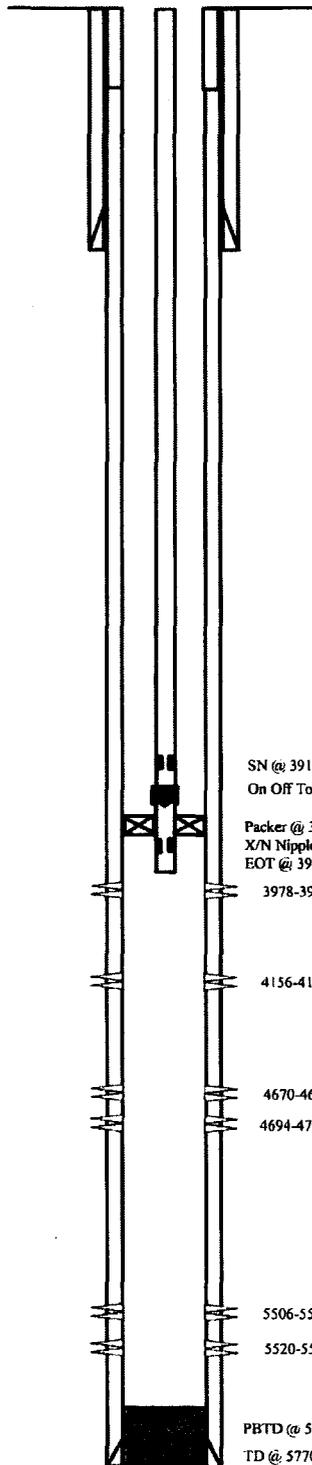
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.38')
 DEPTH LANDED: 323.38' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To Surface with 160 sxs Class 'G' cmt

PRODUCTION CASING

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

TUBING

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



FRAC JOB

06-06-08 5506-5528' **Frac CP1 sds as follows:** 40,770# 20/40 sand in 426 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1994 psi w/ ave rate of 23.8 BPM. ISIP 2188 psi Actual Flush: 4914 gals

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

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

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

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

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

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

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

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

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

PERFORATION RECORD

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

NEWFIELD

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

Well Name: GMBU J-17-9-16

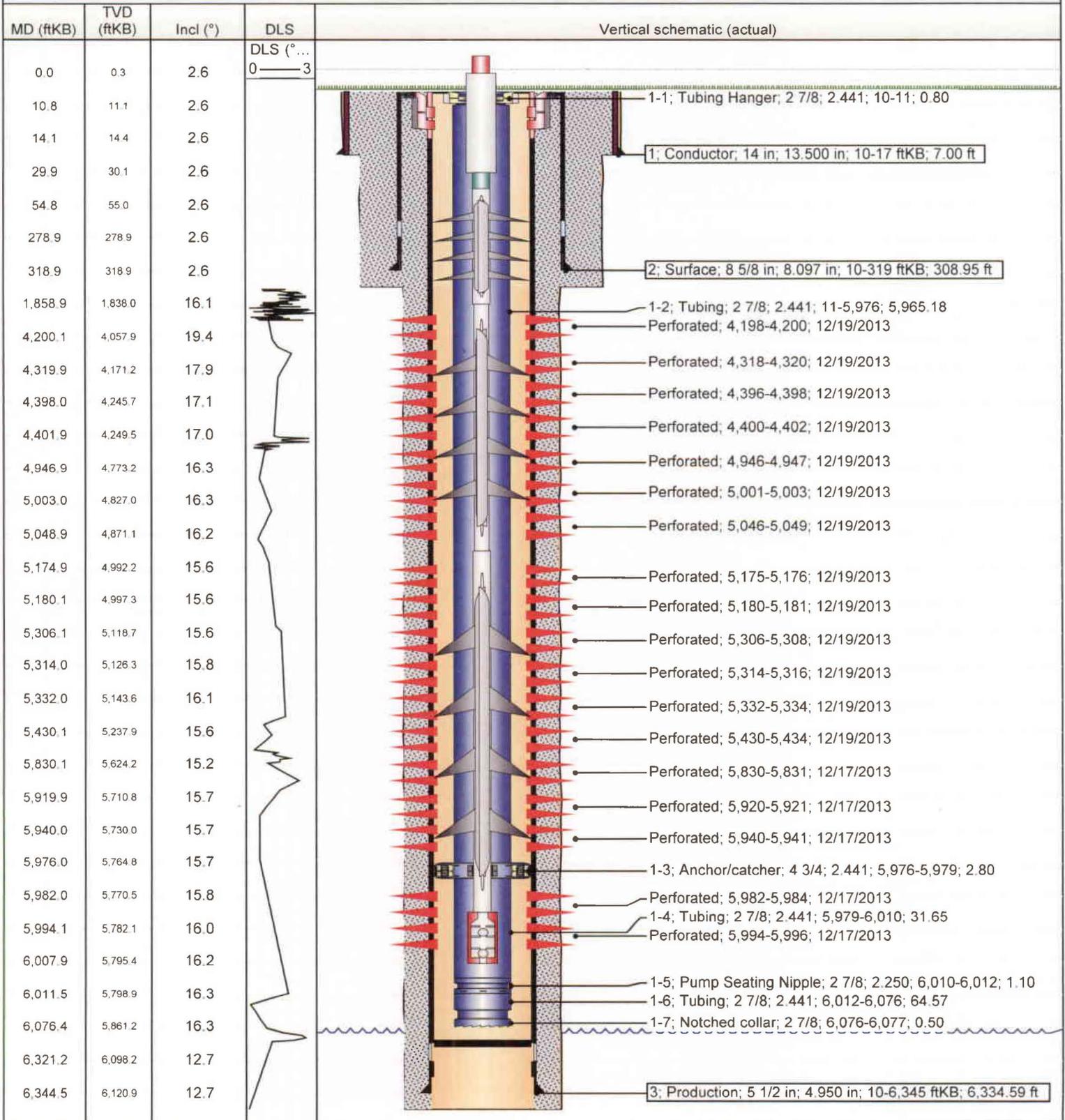
Surface Legal Location SWNW 2100 FNL 750 FWL Sec 16 T9S R16E Mer SLB		API/UWI 43013515870000	Well RC 500343109	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 11/6/2013	Rig Release Date 11/27/2013	On Production Date	Original KB Elevation (ft) 5,931	Ground Elevation (ft) 5,921	Total Depth All (TVD) (ftKB) Original Hole - 6,130.2	PBTD (All) (ftKB) Original Hole - 6,319.6	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/17/2013	Job End Date 1/3/2014
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TD: 6,354.0

Slant - Original Hole, 1/15/2014 3:21:55 PM

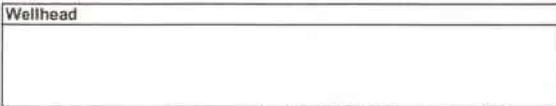


GMB 3-16-9-16H

Wellbore Diagram



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



8-5/8" Casing Shoe
1,025

Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bbf/ft	Hole	TOC
Surface	8-5/8"	24#	J-55	LTC	0	1,025							Surface
Production	5-1/2"	17#	M-80	LTC	0	5,993	7,740	7,020	4.892	4.767	0.0233	7-7/8"	Port Collar:
Production	4-1/2"	11.6#	P-110	LTC	5,993	10,249	7,774	8,510	4.000	3.875	0.0155	6-1/8"	5,654 md to Surface
					TVD	6,011	burst & collapse values are book, no additional safety factors have been applied						

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

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

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

Proposed Frac Data	Top		Bottom		Packers Plus 12 Stage StackFrac HD Stimulation Liner							Prop type/ size		Prop Vol (lbs)	Total Clean Vol (bbbls)		
	Top	Bottom	Depth	Ball OD (in.)	Seat ID (in.)	Vol. to Seat (bbbl)	Actual Vol. (bbbl)	Difference (bbbl)	Ball Action (ΔP)								
Toe Section	10,249	10,249	Packers Plus 4-1/2" Toe Circulating Sub w/1.000" Seat for 1.250" SF2 High Pressure Ball (Actuated at 1,098 psi). And Open Hole TD														
Stage 1	10,087	10,249	Dual Hydraulic Frac Port:	Depth 10,160	Ball OD (in.) NA	Seat ID (in.) NA	Vol. to Seat (bbbl) 204.33	Actual Vol. (bbbl) NA	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	0					
OH Anchor/Packer	10,080	10,087	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Mechanical Packer 1	10,002	10,007	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)	Depth 8,841	Ball OD (in.) 2,125	Seat ID (in.) 2,000	Vol. to Seat (bbbl) 199.39	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	34,144	2,342				
Stage 2	9,682	10,002	FracPort 2:	Depth 8,841	Ball OD (in.) 2,125	Seat ID (in.) 2,000	Vol. to Seat (bbbl) 199.39	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	30/50 mesh sand	30,780					
Mechanical Packer 2	9,677	9,682	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 3	9,914	9,677	FracPort 3:	Depth 8,517	Ball OD (in.) 2,250	Seat ID (in.) 2,125	Vol. to Seat (bbbl) 194.37	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	36,389	2,775				
Mechanical Packer 3	9,354	9,354	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 4	9,035	9,354	FracPort 4:	Depth 8,193	Ball OD (in.) 2,375	Seat ID (in.) 2,250	Vol. to Seat (bbbl) 189.36	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	7,548	2,716				
Mechanical Packer 4	9,030	9,035	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 5	8,710	9,030	FracPort 5:	Depth 8,599	Ball OD (in.) 2,500	Seat ID (in.) 2,375	Vol. to Seat (bbbl) 184.35	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	28,177	4,118				
Mechanical Packer 5	8,705	8,710	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 6	8,388	8,705	FracPort 6:	Depth 8,544	Ball OD (in.) 2,625	Seat ID (in.) 2,500	Vol. to Seat (bbbl) 179.32	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	36,211	3,907				
Mechanical Packer 6	8,381	8,386	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 7	8,068	8,381	FracPort 7:	Depth 8,229	Ball OD (in.) 2,750	Seat ID (in.) 2,625	Vol. to Seat (bbbl) 174.30	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	32,229	2,784				
Mechanical Packer 7	8,081	8,086	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 8	7,743	8,081	FracPort 8:	Depth 7,901	Ball OD (in.) 2,875	Seat ID (in.) 2,750	Vol. to Seat (bbbl) 169.37	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	21,543	3,706				
Mechanical Packer 8	7,738	7,743	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 9	7,418	7,738	FracPort 9:	Depth 7,571	Ball OD (in.) 3,000	Seat ID (in.) 2,875	Vol. to Seat (bbbl) 154.35	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	35,076	2,777				
Mechanical Packer 9	7,413	7,418	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 10	6,788	7,413	FracPort 10:	Depth 7,252	Ball OD (in.) 3,125	Seat ID (in.) 3,000	Vol. to Seat (bbbl) 159.32	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	14,314	1,869				
Mechanical Packer 10	7,088	7,093	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 11	6,768	7,088	FracPort 11:	Depth 6,927	Ball OD (in.) 3,250	Seat ID (in.) 3,125	Vol. to Seat (bbbl) 169.37	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	3,467	2,804				
Mechanical Packer 11	6,783	6,788	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
Stage 12	6,445	6,783	FracPort 11:	Depth 6,801	Ball OD (in.) 3,375	Seat ID (in.) 3,250	Vol. to Seat (bbbl) 154.29	Actual Vol. (bbbl) 0.00	Difference (bbbl)	Ball Action (ΔP)	100 mesh sand	31,284	2,755				
Mechanical Packer 12	6,438	6,445	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)														
OH Anchor/Packer	5,451	5,456	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)														
RockSeal II Packer	6,372	5,377	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)														
Lat Length											3,804						
Total Stim. Lateral											3,804						
Avg. Stage Length											317	*between packers					
Sand Total											100 mesh sand	335,921					
580,309											30/50 mesh sand	244,388					
# sand per foot of lateral											153						

5F x 4.6K XO 5,993



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

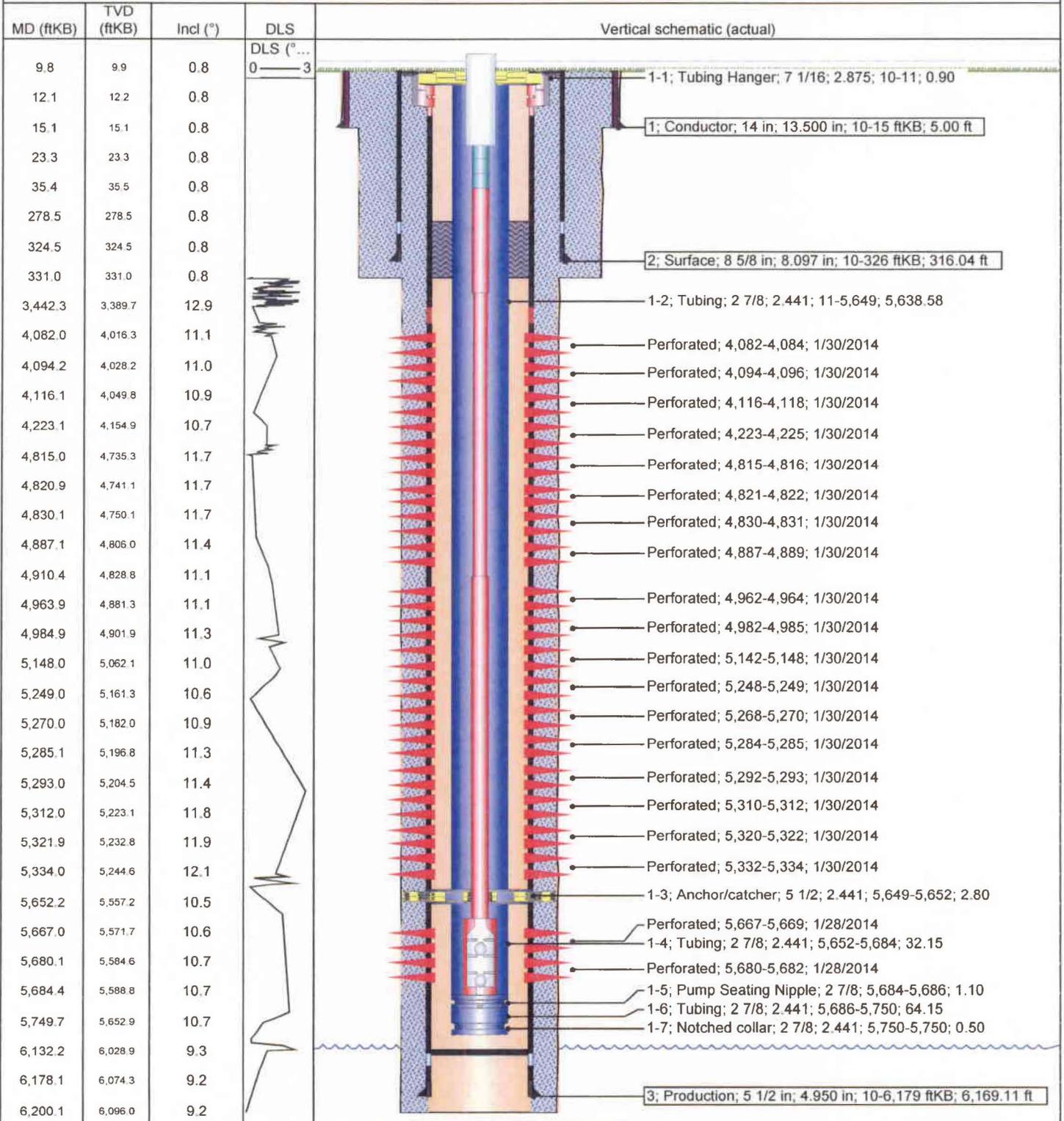
Surface Legal Location NESW 2111 FSL 1881 FWL Sec 16 R9S R16E			API/UWI 43013514470000	Well RC 500343051	Lease ML-16532	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/19/2013	Rig Release Date 1/12/2014	On Production Date	Original KB Elevation (ft) 5,912	Ground Elevation (ft) 5,902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

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/28/2014	Job End Date
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TD: **6,200.0**

Slant - Original Hole, 2/28/2014 6:29:32 AM



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

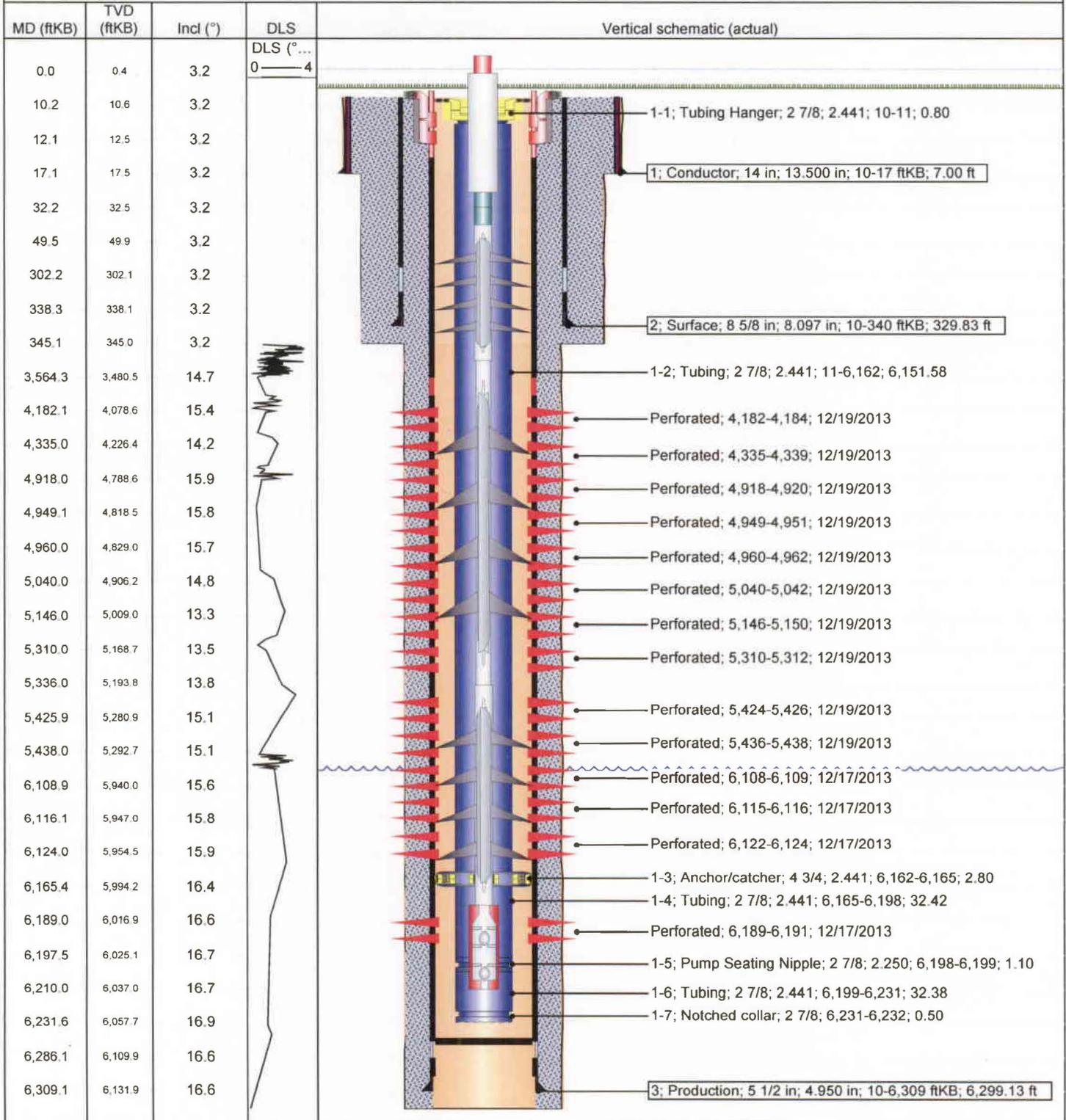
Surface Legal Location SWNW 2081 FNL 759 FWL Sec 16 T9S R16E		API/UWI 43013514480000	Well RC 500343049	Lease ML-16532	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 11/5/2013	Rig Release Date 11/23/2013	On Production Date	Original KB Elevation (ft) 5,931	Ground Elevation (ft) 5,921	Total Depth All (TVD) (ftKB) Original Hole - 6,140.5	PBTD (All) (ftKB) Original Hole - 6,284.4	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 12/17/2013	Job End Date 12/27/2013
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TD: **6,318.0**

Slant - Original Hole, 1/29/2014 10:38:48 AM



Well Name: GMBU Q-16-9-16

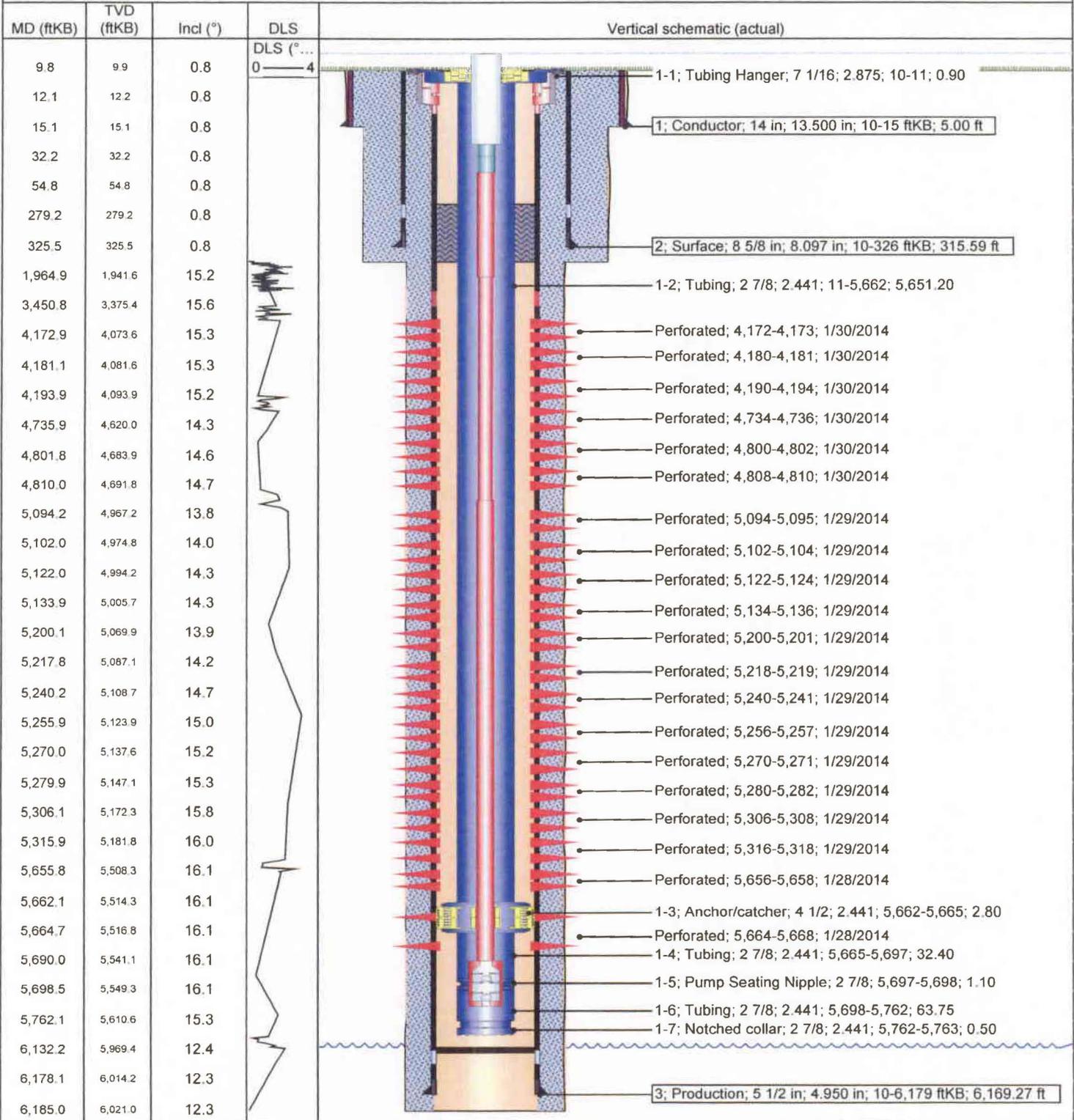
Surface Legal Location NESW 2096 FSL 1866 FWL Sec 16 T9S R16E			API/UWI 43013514490000	Well RC 500343119	Lease ML-16532	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/20/2013	Rig Release Date 1/15/2014	On Production Date	Original KB Elevation (ft) 5,912	Ground Elevation (ft) 5,902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

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/28/2014	Job End Date 2/6/2014
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TD: 6,185.0

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



ATTACHMENT F

1055

multi-chem

A HALLIBURTON SERVICE

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **FEDERAL 9-17-9-16**

Sample Point: **Well**

Sample Date: **11/4/2013**

Sample ID: **WA-257638**

Sales Rep: **Michael McBride**

Lab Tech: **Gary Winegar**

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/12/2013	Sodium (Na):	221.00	Chloride (Cl):	13000.00
System Temperature 1 (°F):	120	Potassium (K):	16.00	Sulfate (SO ₄):	0.00
System Pressure 1 (psig):	60	Magnesium (Mg):	49.00	Bicarbonate (HCO ₃):	1781.00
System Temperature 2 (°F):	210	Calcium (Ca):	74.00	Carbonate (CO ₃):	
System Pressure 2 (psig):	60	Strontium (Sr):	2.20	Acetic Acid (CH ₃ COO)	
Calculated Density (g/ml):	1.005	Barium (Ba):	0.21	Propionic Acid (C ₂ H ₅ COO)	
pH:	7.00	Iron (Fe):	0.55	Butanoic Acid (C ₃ H ₇ COO)	
Calculated TDS (mg/L):	15158.13	Zinc (Zn):	0.20	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
CO ₂ in Gas (%):		Lead (Pb):	0.03	Fluoride (F):	
Dissolved CO ₂ (mg/L):	0.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.03	Silica (SiO ₂):	13.91
H ₂ S in Water (mg/L):	0.00				

Notes:

B=2.3 AI=1 LI=02

(PTB = Pounds per Thousand Barrels)

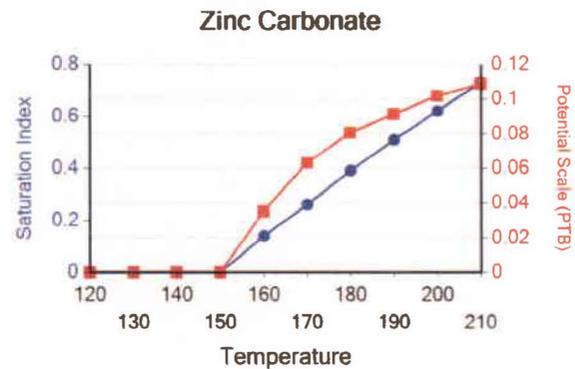
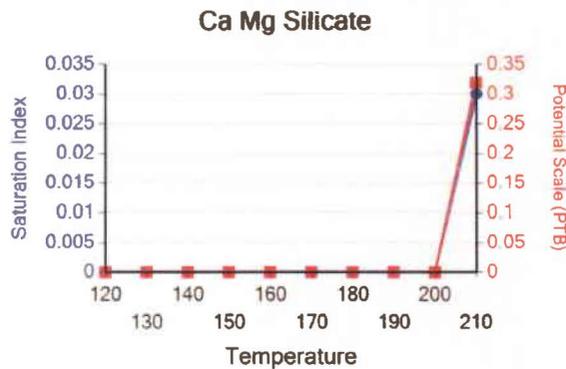
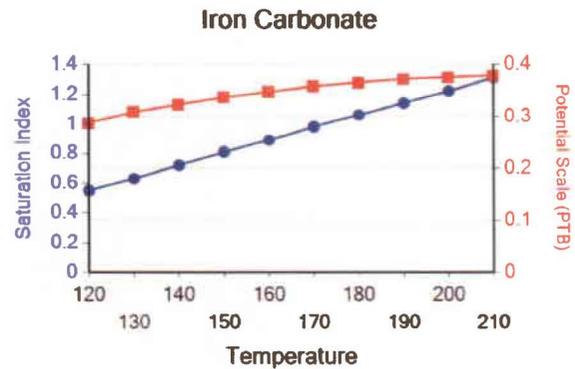
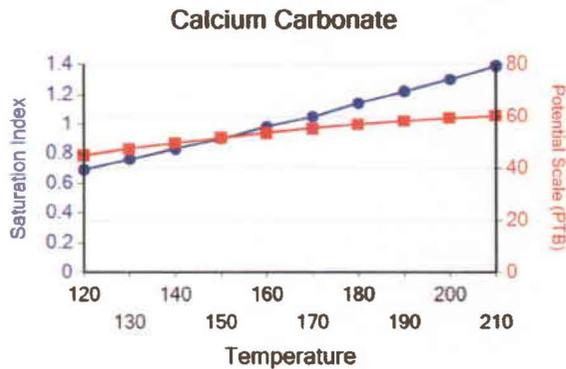
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.39	60.31	0.00	0.00	0.00	0.00	1.31	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	1.30	59.35	0.00	0.00	0.00	0.00	1.22	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	1.22	58.21	0.00	0.00	0.00	0.00	1.14	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	1.14	56.89	0.00	0.00	0.00	0.00	1.06	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	1.05	55.39	0.00	0.00	0.00	0.00	0.98	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.98	53.68	0.00	0.00	0.00	0.00	0.89	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.90	51.77	0.00	0.00	0.00	0.00	0.81	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.83	49.67	0.00	0.00	0.00	0.00	0.72	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.76	47.40	0.00	0.00	0.00	0.00	0.63	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.69	44.97	0.00	0.00	0.00	0.00	0.55	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.11	0.00	0.00	1.91	13.57	0.03	0.32	2.76	0.38
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.10	0.00	0.00	1.30	10.88	0.00	0.00	2.27	0.35
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.09	0.00	0.00	0.68	6.65	0.00	0.00	1.79	0.32
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.08	0.00	0.00	0.05	0.67	0.00	0.00	1.30	0.27
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.20
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.09
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

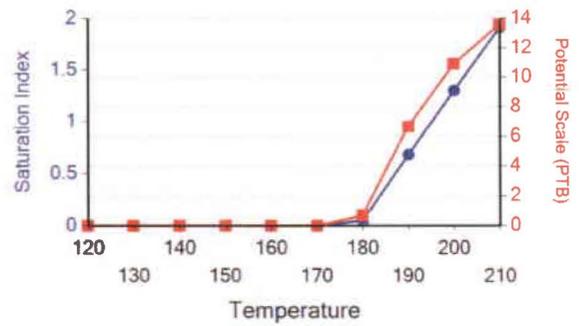
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

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

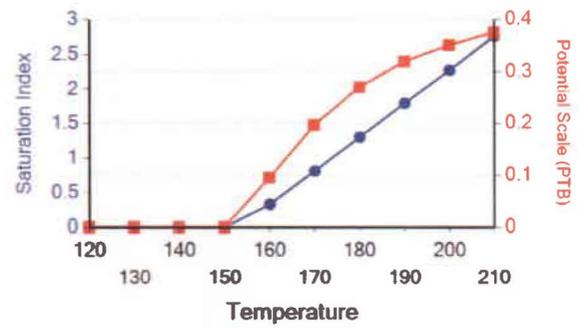


Water Analysis Report

Mg Silicate



Fe Silicate



Units of Measurement: **Standard**

Water Analysis Report

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

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

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

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations		Anions	
		mg/L		mg/L	
Test Date:	11/26/2013	Sodium (Na):	141.00	Chloride (Cl):	1000.00
System Temperature 1 (°F):	120	Potassium (K):	39.00	Sulfate (SO4):	41.00
System Pressure 1 (psig):	2000	Magnesium (Mg):	24.00	Bicarbonate (HCO3):	1122.00
System Temperature 2 (°F):	210	Calcium (Ca):	41.00	Carbonate (CO3):	
System Pressure 2 (psig):	2000	Strontium (Sr):	0.70	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	0.999	Barium (Ba):	0.00	Propionic Acid (C2H5COO)	
pH:	6.50	Iron (Fe):	0.11	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	2413.76	Zinc (Zn):	0.03	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	24.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.00	Silica (SiO2):	4.92
H2S in Water (mg/L):	0.00				

Notes:
B=.4 A=.18 LI=0

(PTB = Pounds per Thousand Barrels)

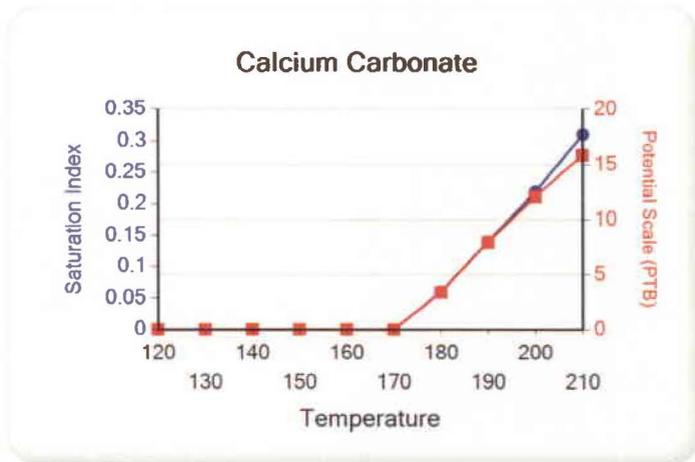
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.22	12.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.14	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.06	3.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

Temp (°F)	PSI	Hemihydrate 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	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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



Attachment "G"

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

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5540	5572	5556	2000	0.79	1964
5236	5256	5246	2560	0.92	2526
5129	5148	5139	2240	0.87	2207
4092	4114	4103	1490	0.80	1463
				Minimum	<u>1463</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.



1 of 8

DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 **Report Date:** 10/18/2006 **Day:** 1
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5940' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
CP1 sds	5540-5572'	4/128	_____	_____	_____
_____	_____	_____	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/17/2006 **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 @ 5940' & cement top @ 30' Perforate stage #1, CP1 sds @ 5540-72' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 128 shots. 143 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

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

COSTS

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 9-17-9-16 **Report Date:** 10/28/2006 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5940' 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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
CP1 sds	5540-5572'	4/128	_____	_____	_____
_____	_____	_____	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/27/2006 **SITP:** _____ **SICP:** 0

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac stage #1, CP1 sds down casing w/ 89,695#'s of 20/40 sand in 672 bbls of Lightning 17 frac fluid. Open well w/ 0 psi on casing (took 8 bbls to fill casing). Perfs broke down 2699 psi back to 1069 psi. Treated @ ave pressure of 1635 @ ave rate of 24.9 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL in flush for next stage. ISIP was 2000. 814 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: 672 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 814 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: CP1 sds down casing

COSTS

Weatherford Services
C-D trkg frac wtr
Zubiate Hot Oil
BJ Services CP1 sds
NPC Supervisor

- _____ 6762 gals of pad
- _____ 4625 gals w/ 1-5 ppg of 20/40 sand
- _____ 9250 gals w/ 5-8 ppg of 20/40 sand
- _____ 2043 gals w/ 8 ppg of 20/40 sand
- _____ 504 gals of 15% HCL acid
- _____ Flush w/ 5040 gals of slick water

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

Max TP: 1930 **Max Rate:** 24.9 **Total fluid pmpd:** 672 bbls
Avg TP: 1635 **Avg Rate:** 24.9 **Total Prop pmpd:** 89,695#'s
ISIP: 2000 **5 min:** _____ **10 min:** _____ **FG:** .79

Completion Supervisor: Ron Shuck

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



DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 **Report Date:** 10/28/2006 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5940' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5360'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LODC sds	5236-5256'	4/80			
CP1 sds	5540-5572'	4/128			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/27/2006 **SITP:** _____ **SICP:** 928

Day2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" (6K) composite flow through frac plug & 20' per gun. Set plug @ 5360'. Peforate LODC sds @ 5236-56' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 spf for tota of 80 shot. RU BJ perfs won't break down. Spot 10 gals of acid on perfs. RU BJ & frac stage #2 w/ 80,345#'s of 20/40 sand in 604 bbls of Lightning 17 frac fluid. Open well w/ 928 psi on casing. Perfs broke down 3630 psi. Treated @ ave pressure of 2685 @ ave rate of 27.3 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL in flush for next stage. ISIF was 2560. 1418 bbls EWTR. Leave pressure on well. See day2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 814 **Starting oil rec to date:** _____
Fluid lost/recovered today: 604 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1418 **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

- _____ 5964 gals of pad
- _____ 4000 gals w/ 1-5 ppg of 20/40 sand
- _____ 8000 gals w/ 5-8 ppg of 20/40 sand
- _____ 2154 gals w/ 8 ppg of 20/40 sand
- _____ 504 gals of 15% HCL acid
- _____ Flush w/ 4746 gals of slick water

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

Max TP: 3250 **Max Rate:** 30.2 **Total fluid pmpd:** 604 bbls
Avg TP: 2685 **Avg Rate:** 27.3 **Total Prop pmpd:** 80,345#'s
ISIP: 2560 **5 min:** _____ **10 min:** _____ **FG:** .92

Completion Supervisor: Ron Shuck

COSTS

- _____ Weatherford Services
- _____ C-D trkg frac wtr
- _____ Zubiate Hot Oil
- _____ BJ Services LODC sds
- _____ NPC Supervisor
- _____ Lone Wolf LODC sds
- _____
- _____
- _____
- _____

DAILY COST: _____ **\$0**

TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 **Report Date:** 10/28/2006 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5940' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5185'
 plug 5360'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>A3 sds</u>	<u>5129-5148'</u>	<u>4/76</u>	_____	_____	_____
<u>LODC sds</u>	<u>5236-5256'</u>	<u>4/80</u>	_____	_____	_____
<u>CP1 sds</u>	<u>5540-5572'</u>	<u>4/128</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/27/2006 **SITP:** _____ **SICP:** 1910

Day2c.

RU WLT. RIH w/ frac plug & 19' perf gun. Set plug @ 5185'. Peforate A3 sds @ 5129-48' w/ 4 spf for total of 76 shots. RU BJ & frac stage #3 w/ 80,324#'s of 20/40 sand in 597 bbls of Lightning 17 frac fluid. Open well w/ 1910 ps on casing. Perfs broke down 3382 psi, back to 2348 psi. Treated @ ave pressure of 2175 @ ave rate of 24.7 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL in flush for next stage. ISIP was 2240. 2015 bbls EWTR. Leave pressure or well. **See day2d.**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1418 **Starting oil rec to date:** _____
Fluid lost/recovered today: 597 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2015 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: A3 sds down casing

- _____ 5964 gals of pad
- _____ 4000 gals w/ 1-5 ppg of 20/40 sand
- _____ 8000 gals w/ 5-8 ppg of 20/40 sand
- _____ 1986 gals w/ 8 ppg of 20/40 sand
- _____ 504 gals of 15% HCL acid
- _____ Flush w/ 4620 gals of slick water

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

Max TP: 2510 **Max Rate:** 25.2 **Total fluid pmpd:** 597 bbls

Avg TP: 2175 **Avg Rate:** 24.7 **Total Prop pmpd:** 80,324#'s

ISIP: 2240 **5 min:** _____ **10 min:** _____ **FG:** .87

Completion Supervisor: Ron Shuck

COSTS

- _____ Weatherford Services
- _____ C-D trkg frac wtr
- _____ Zubiate Hot Oil
- _____ BJ Services A3 sds
- _____ NPC Supervisor
- _____ Lone Wolf A3 sds

DAILY COST: _____ **\$0**

TOTAL WELL COST: _____



DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 **Report Date:** 10/28/2006 **Day:** 2d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5940' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4220'
plug 5360' 5185'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>GB4 sds</u>	<u>4092-4114'</u>	<u>4/88</u>	_____	_____	_____
<u>A3 sds</u>	<u>5129-5148'</u>	<u>4/76</u>	_____	_____	_____
<u>LODC sds</u>	<u>5236-5256'</u>	<u>4/80</u>	_____	_____	_____
<u>CP1 sds</u>	<u>5540-5572'</u>	<u>4/128</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/27/2006 **SITP:** _____ **SICP:** 1365

Day 2d.

RU WLT. RIH w/ frac plug & 22' perf gun. Set plug @ 4220'. Perforate GB4 sds @ 4092-4114' w/ 4 spf for total of 88 shots. RU BJ & frac stage #4 w/ 38,251#'s of 20/40 sand in 358 bbls of Lightning 17 frac fluid. Open well w/ 1365 ps on casing. Perfs broke down 1555 psi. Treated @ ave pressure of 1410 @ ave rate of 14.3 bpm w/ 8 ppg of sand ISIP was 1490. 2373 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 5 hours & died w/ 350 bbls fluid rec'd. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2373 **Starting oil rec to date:** _____
Fluid lost/recovered today: 350 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2023 **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: GB4 sds down casing
672 gals to cross link
3192 gals of pad
2500 gals w/ 1-5 ppg of 20/40 sand
4682 gals w/ 5-8 ppg of 20/40 sand
Flush w/ 3990 gals of slick water

COSTS

Weatherford Services
C-D trkg frac wtr
Zubiate Hot Oil
BJ Services GB4 sds
NPC Supervisor
Lone Wolf GB4 sds
C-D trkg wtr transfer

Max TP: 1660 **Max Rate:** 14.4 **Total fluid pmpd:** 358 bbls
Avg TP: 1410 **Avg Rate:** 14.3 **Total Prop pmpd:** 38,251#'s
ISIP: 1490 **5 min:** _____ **10 min:** _____ **FG:** .80

Completion Supervisor: Ron Shuck

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



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DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 Report Date: 11/1/2006 Day: 3
Operation: Completion Rig: NC 2

WELL STATUS

Surf Csg: 8 5/8' @ 322' Prod Csg: 5 1/2" @ 6044' Csg PBTD: 5940' WL
Tbg: Size: 2 7/8" Wt: 6.5 Grd: J-55 Pkr/EOT @: BP/Sand PBTD: 5180

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB4 sds, A3 sds, LODC sds, CP1 sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/31/2006 SITP: SICP:

ROAD RIG FROM AF 9-24-9-15 TO FED. 9-17. SIRU. BLEED PRESSURE OFF WELL. ND CAMERON BOP & 5M FRAC HEAD. NU 3M PRODUCTION HEAD & SCHAFFER BOP. RIH W/ 4 3/4" CHOMP BIT, BIT SUB & 2 7/8" TBG FROM PIPE RACK (TALLYING, DRIFTING). TAG CBP @ 4220'. RU POWERSWIVEL & PUMP. DU CBP IN 35 MIN CIRCULATE WELL CLEAN. CONTINUE TO RIH W/ TBG. FROM PIPE RACK. TAG FILL @ 5180'. LD 2 JTS TBG SDFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2373 Starting oil rec to date:
Fluid lost/recovered today: Oil lost/recovered today:
Ending fluid to be recovered: 2023 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Job Type:
Company:
Procedure or Equipment detail:

COSTS

NC 2
Weatherford BOP
Weatherford P.S.
NDSI Trucking
NDSI Wtr Truck
4 3/4" chomp bit
Unichem Chemical
Welding (Mecham)
Monks pit reclaim
NPC surface equip.
NDSI water disposal
NPC location cleanup
NPC supervision

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

Completion Supervisor: AARON MANNING

DAILY COST: \$0
TOTAL WELL COST:



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DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 **Report Date:** 11/2/2006 **Day:** 4
Operation: Completion **Rig:** NC 2

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5998'
Tbg: **Size:** 2 7/8" **Wt:** 6.5 **Grd:** J-55 **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5998'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>GB4 sds</u>	<u>4092-4114'</u>	<u>4/88</u>	_____	_____	_____
<u>A3 sds</u>	<u>5129-5148'</u>	<u>4/76</u>	_____	_____	_____
<u>LODC sds</u>	<u>5236-5256'</u>	<u>4/80</u>	_____	_____	_____
<u>CP1 sds</u>	<u>5540-5572'</u>	<u>4/128</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/1/2006 **SITP:** _____ **SICP:** _____

TAG FILL @ 5180'. C/O TO CBP @ 5185'. DU CBP IN 42 MIN. CIRCULATE WELL CLEAN. CONTINUE TO RIH W/ TBG. FROM PIPE RACK (TALLYING & DRIFTING). TAG FILL @ 5270'. C/O TO CBP @ 5360'. DU CBP IN 40 MIN CONTINUE TO RIH W/ TBG. FROM PIPE RACK (TALLYING & DRIFTING). TAG FILL @ 5832'. C/O TO PBTD @ 5998'. CIRCULATE WELL CLEAN. PULL UP TO 5936'. RU SWAB. RIH W/ SWAB. SFL @ SURFACE. MADE 18 RUNS. RECOVERED 170 BBLs (169 BBLs WATER, 1 BBL OIL). SMALL SHOW OF SAND. SMALL SHOW OF GAS. ENDING OIL CUT @ APPROX. 5%. EFL @ 1600'. RIH W/ TBG. & TAG FILL @ 5994'. C/O TO PBTD @ 5998'. POOH W/ 12 JTS TBG. DRAIN PUMP & PUMP LINES. SDFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2373 **Starting oil rec to date:** 1
Fluid lost/recovered today: 70 **Oil lost/recovered today:** 1
Ending fluid to be recovered: 1953 **Cum oil recovered:** 1
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: _____ **Job Type:** _____ **NC 2**
Company: _____ **Weatherford BOP** _____
Procedure or Equipment detail: _____ **Weatherford P.S.** _____
 _____ **NPC supervision** _____
 _____ **new J-55 tbg.(6178')** _____
 _____ **Mt West sanitation** _____
 _____ **NPC trucking** _____
 _____ **CDI TAC** _____
 _____ **CDI PSN** _____
 _____ **CDI rod pump** _____
 _____ **Circ. Head rubber** _____

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

Completion Supervisor: AARON MANNING

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



DAILY COMPLETION REPORT

WELL NAME: Federal 9-17-9-16 **Report Date:** 11/3/2006 **Day:** 5
Operation: Completion **Rig:** NC 2

WELL STATUS

Surf Csg: 8 5/8' @ 322' **Prod Csg:** 5 1/2" @ 6044' **Csg PBTD:** 5998'
Tbg: **Size:** 2 7/8" **Wt:** 6.5 **Grd:** J-55 **Pkr/EOT @:** 5627' **BP/Sand PBTD:** 5998'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>GB4 sds</u>	<u>4092-4114'</u>	<u>4/88</u>			
<u>A3 sds</u>	<u>5129-5148'</u>	<u>4/76</u>			
<u>LODC sds</u>	<u>5236-5256'</u>	<u>4/80</u>			
<u>CP1 sds</u>	<u>5540-5572'</u>	<u>4/128</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/1/2006 **SITP:** _____ **SICP:** _____

POOH W/ tbg. LD BHA. RIH W/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 175 jts 2 7/8" tbg. ND BOP. set TAC @ 5497' W/ 16000# tention. NU wellhead. X-over for rods. RIH W/ CDI 2 1/2" X 1 1/2" X 12 X 16' RHAC pump, 6- 1 1/2" weight bars, 10- 3/4" guided rods, 106- 3/4" slick rods. 99- 3/4" guided rods. 1- 8', 6', 2' X 3/4" pony rods. 1 1/2" X 22' polished rod. Seat pump. fill tbg. W/ 4 bbls water. Stroke test to 800psi. RU pumping unit. Hang off rods. Adjust tag. PWOP @ 6:30PM W/ 86" STROKE LENGTH, 5 SPM. **FINAL REPORT!!**

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2373 **Starting oil rec to date:** 1
Fluid lost/recovered today: _____ **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1953 **Cum oil recovered:** 1
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

TUBING DETAIL

ROD DETAIL

COSTS

<u>TUBING DETAIL</u>		<u>ROD DETAIL</u>		<u>COSTS</u>	
				<u>NC 2</u>	
<u>KB 12.00'</u>		<u>1 1/2" X 22' polished rod</u>		<u>Weatherford BOP</u>	
<u>175 2 7/8 J-55 tbg (5485.46')</u>		<u>1-8' & 1-6' & 1-2' X 3/4" pony rods</u>		<u>Tiger tanks</u>	
<u>TA (2.80' @ 5497.46' KB)</u>		<u>99-3/4" scraped rods</u>		<u>NPC supervision</u>	
<u>2 2 7/8 J-55 tbg (62.96')</u>		<u>106-3/4" plain rods</u>		<u>Grade A rod string</u>	
<u>SN (1.10' @ 5563.22' KB)</u>		<u>10-3/4" scraped rods</u>		<u>NPC swab tank</u>	
<u>2 2 7/8 J-55 tbg (63.12')</u>		<u>6-1 1/2" weight rods</u>		<u>NPC frac head</u>	
<u>2 7/8 NC (.45')</u>		<u>CDI 2 1/2" X 1 1/2" X 12' X 16'</u>		<u>NPC frac valve</u>	
<u>EOT 5627.89' W/ 12' KB</u>		<u>RHAC pump</u>		<u>NPC frac tanks</u>	
				<u>Zubiate hot oil</u>	

DAILY COST: _____ **\$0**

Completion Supervisor: Aaron Manning

TOTAL WELL COST: _____

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4042'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 180' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 372'

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

Federal 9-17-9-16

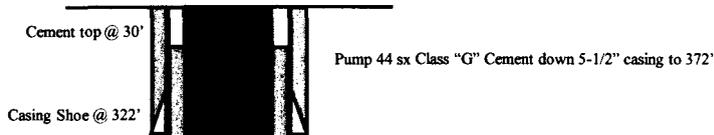
Spud Date: 9-11-06
 Put on Production: 11-01-06
 GL: 5953' KB: 5965'

Initial Production: BOPD,
 MCFD, BWPD

Proposed P & A Wellbore Diagram

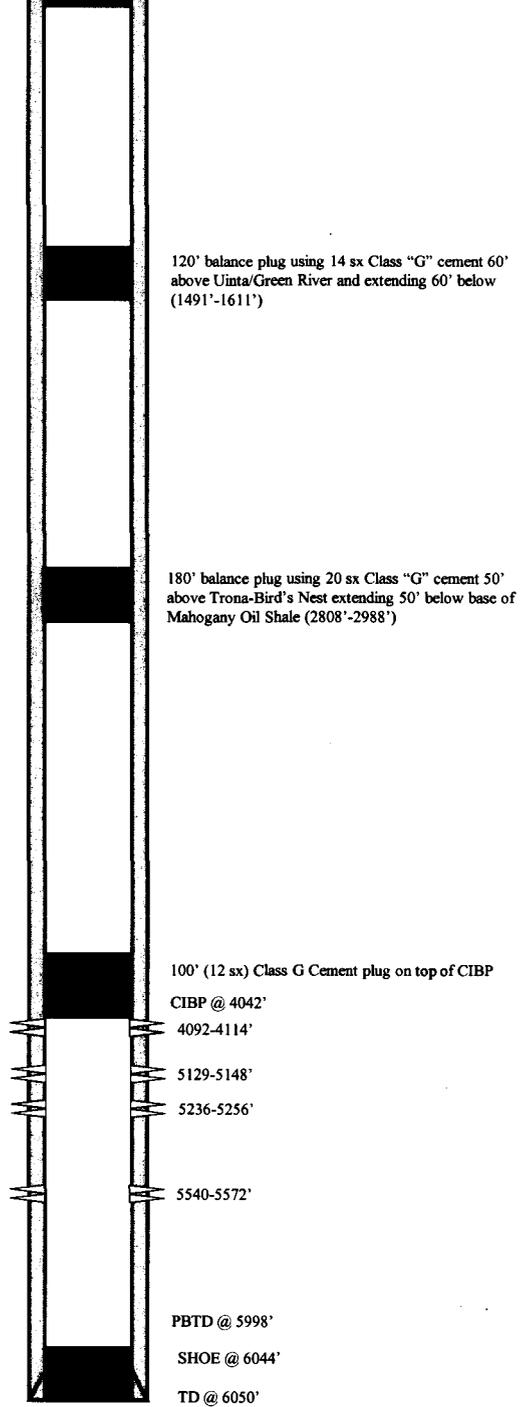
SURFACE CASING

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'



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