

NEWFIELD



January 23, 2006

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

RE: Applications for Permit to Drill: 1-17-9-16, 2-17-9-16, 7-17-9-16, 8-17-9-16,
9-17-9-16, 10-17-9-16, 11-17-9-16, 12-17-9-16, 13-17-9-16, and 15-17-9-16.

Dear Diana:

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

Sincerely,

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

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

JAN 24 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-64379

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

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

8. Lease Name and Well No.
Federal 8-17-9-16

9. API Well No.
43013-33031

1a. Type of Work: DRILL REENTER

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

2. Name of Operator
Newfield Production Company

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface SE/NE 1944' FNL 675' FEL 573757 X 40.032804
At proposed prod. zone 4431546 Y - 110.135538

10. Field and Pool, or Exploratory Monument Butte

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

12. County or Parish
Duchesne

13. State
UT

14. Distance in miles and direction from nearest town or post office*
Approximatley 15.2 miles southwest of Myton, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 675' f/lse, NA' f/unit

16. No. of Acres in lease
1626.36

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1267'

19. Proposed Depth
6050'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5906' GL

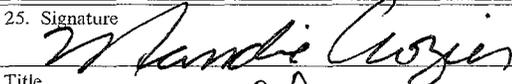
22. Approximate date work will start*
1st Quarter 2006

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

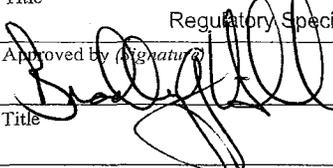
24. Attachments

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

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

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

Title Regulatory Specialist

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

Title ENVIRONMENTAL SCIENTIST III

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

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

*(Instructions on reverse)

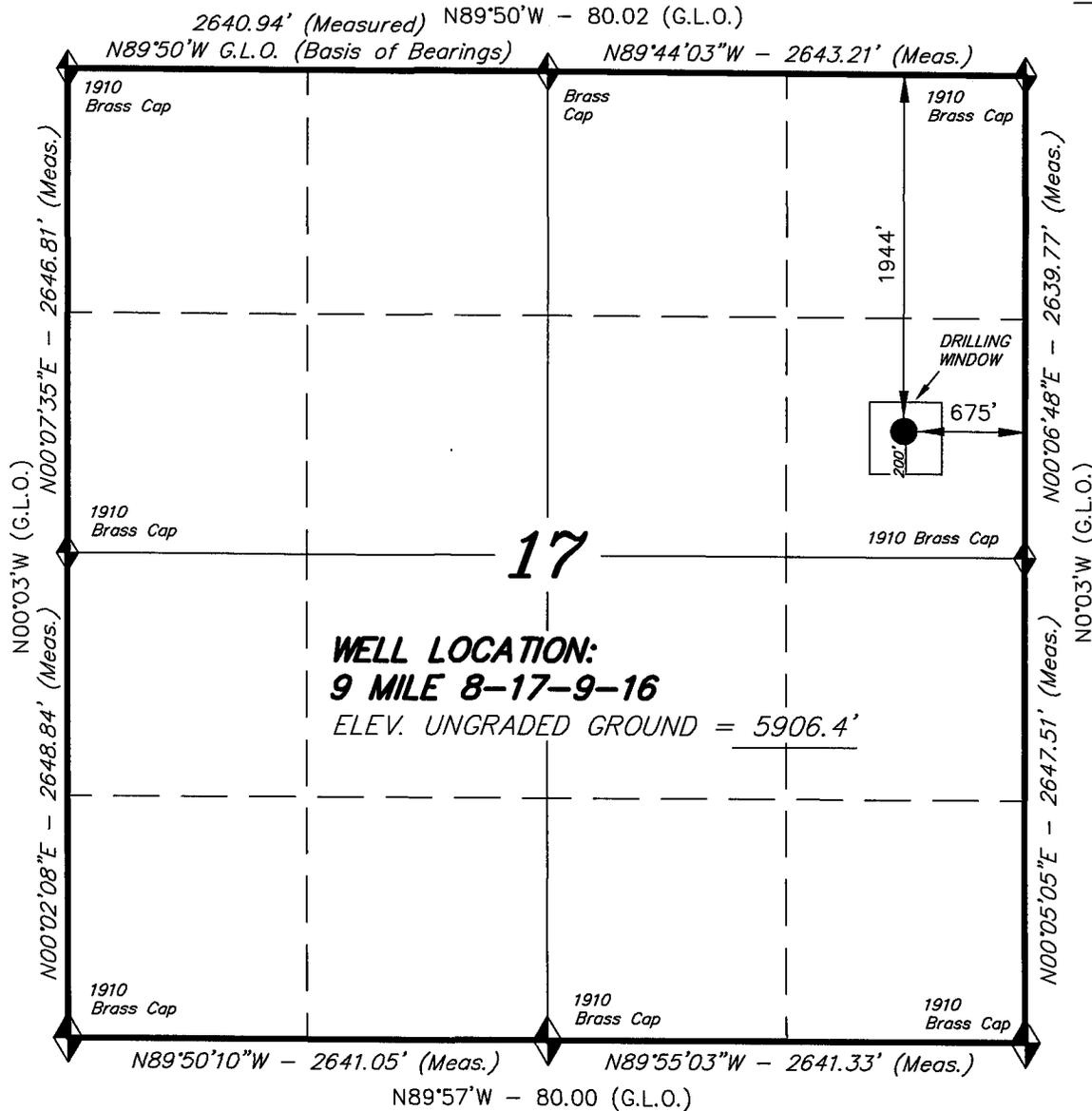
Federal Approval of this
Action Is Necessary

RECEIVED
JAN 24 2006

DIV. OF OIL, GAS & MINING

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

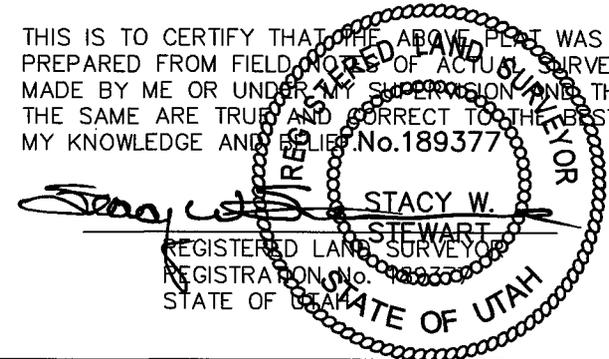
NEWFIELD PRODUCTION COMPANY



WELL LOCATION, 9 MILE 8-17-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NE
 1/4 OF SECTION 17, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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



◆ = SECTION CORNERS LOCATED

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

9 MILE 8-17-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 58.14"
 LONGITUDE = 110° 08' 10.24"

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

DATE SURVEYED: 12-13-05	SURVEYED BY: C.M.
DATE DRAWN: 12-27-05	DRAWN BY: MW
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
FEDERAL #8-17-9-16
SE/NE 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 #8-17-9-16
SE/NE 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 #8-17-9-16 located in the SE 1/4 NE 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 southeasterly - 0.3 miles \pm to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road - 0.9 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 #8-17-9-16 Newfield Production Company requests a 3560' ROW be granted in Lease UTU-52018 and 1210' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 3560' ROW in Lease UTU-52018 and 1210' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

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

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

Threatened, Endangered, And Other Sensitive Species

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 #8-17-9-16 was on-sited on 10/25/05. The following were present; Shon Mckinnon (Newfeild Production), Byron Tolman (Bureau of Land Management), and Todd MaGrath (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open..

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

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

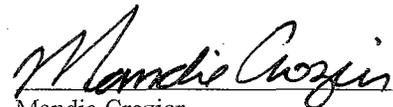
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-17-9-16 SE/NE Section 17, Township 9S, Range 16E: Lease UTU-64379 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

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

1/23/06

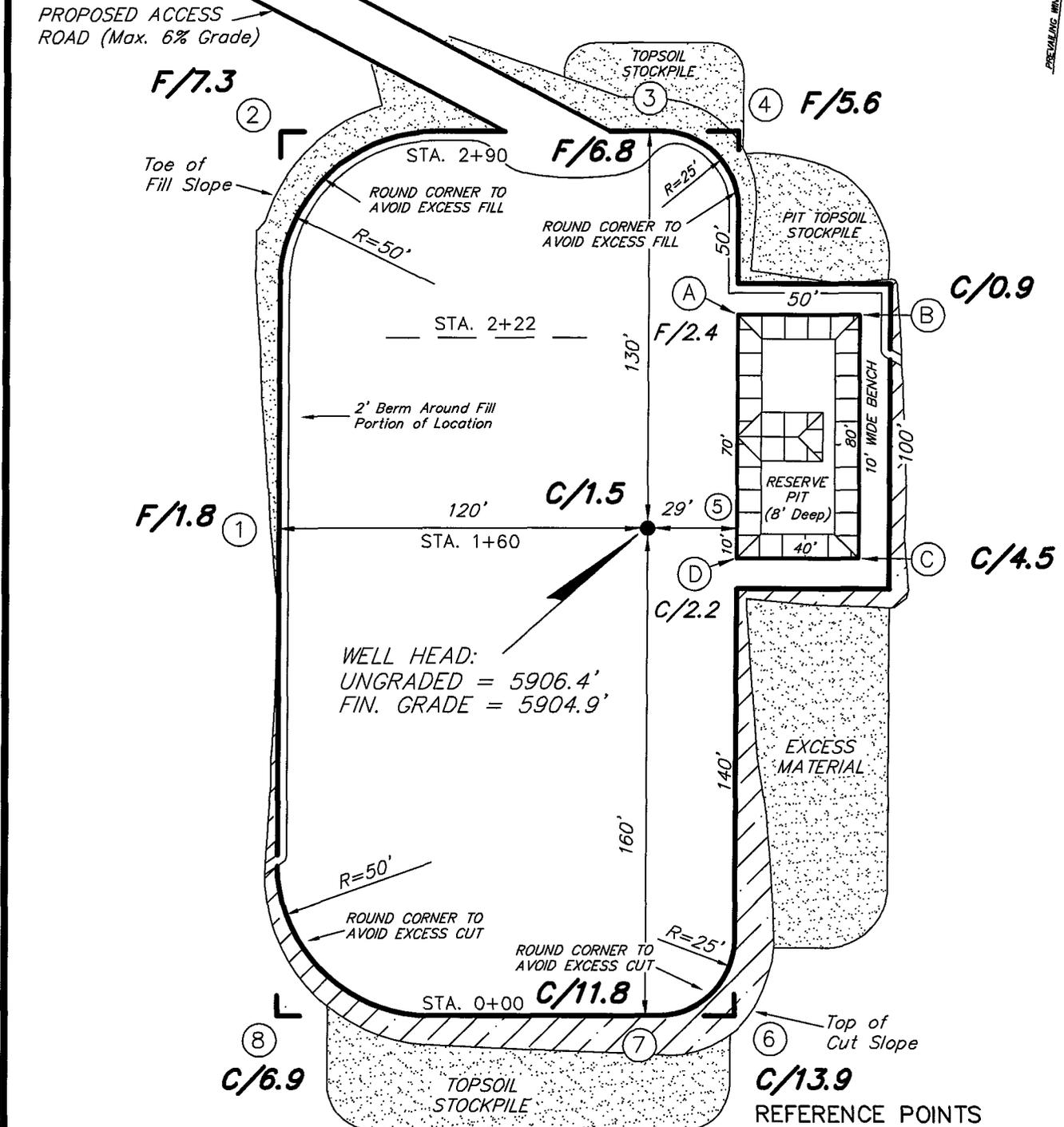
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 8-17-9-16

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



WELL HEAD:
UNGRADED = 5906.4'
FIN. GRADE = 5904.9'

- REFERENCE POINTS**
- 210' SOUTHEASTERLY = 5919.2'
 - 260' SOUTHEASTERLY = 5923.3'
 - 170' SOUTHWESTERLY = 5904.3'
 - 220' SOUTHWESTERLY = 5905.3'

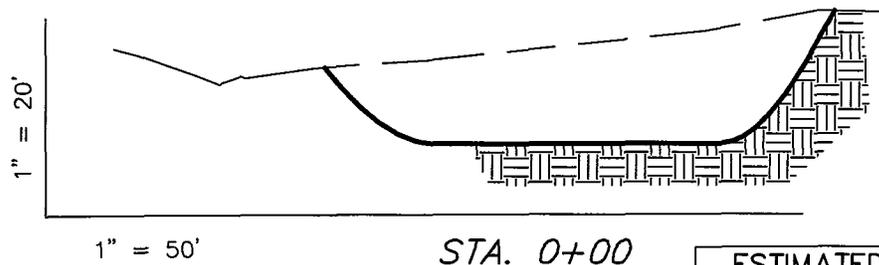
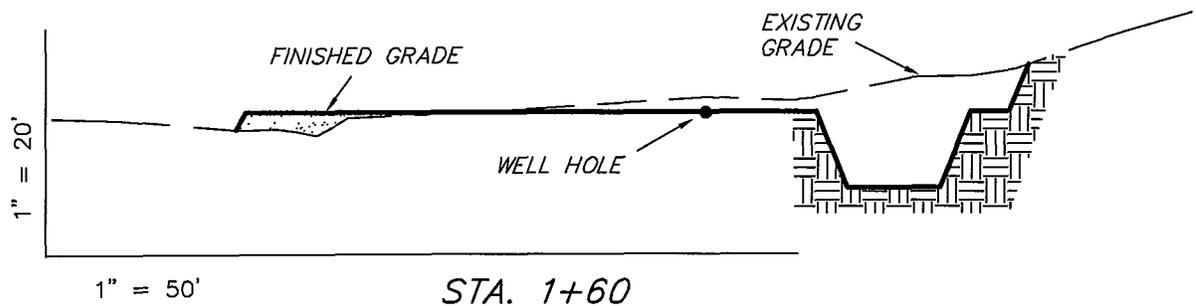
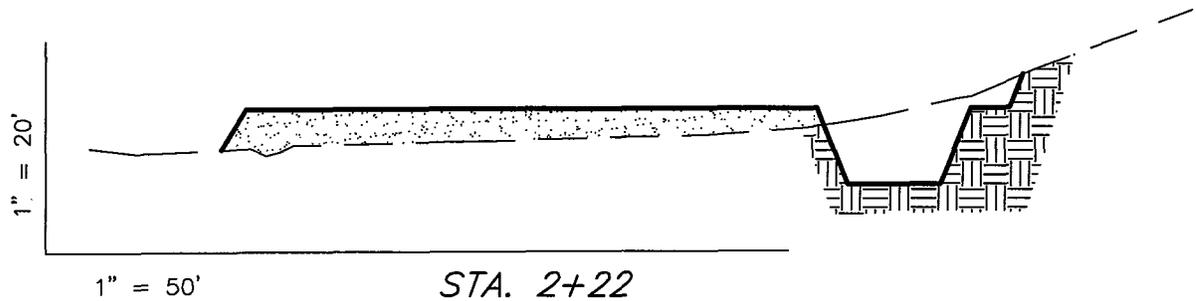
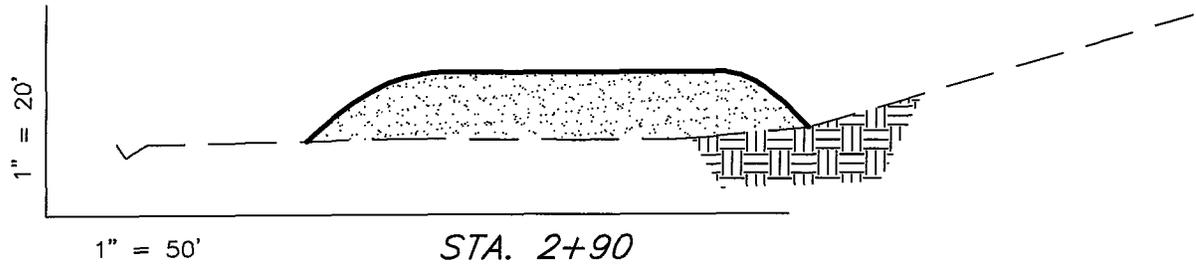
SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: MW	DATE: 12-27-05

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 8-17-9-16



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	4,520	3,070	Topsoil is not included in Pad Cut	1,450
PIT	640	0		640
TOTALS	5,160	3,070	990	2,090

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: MW

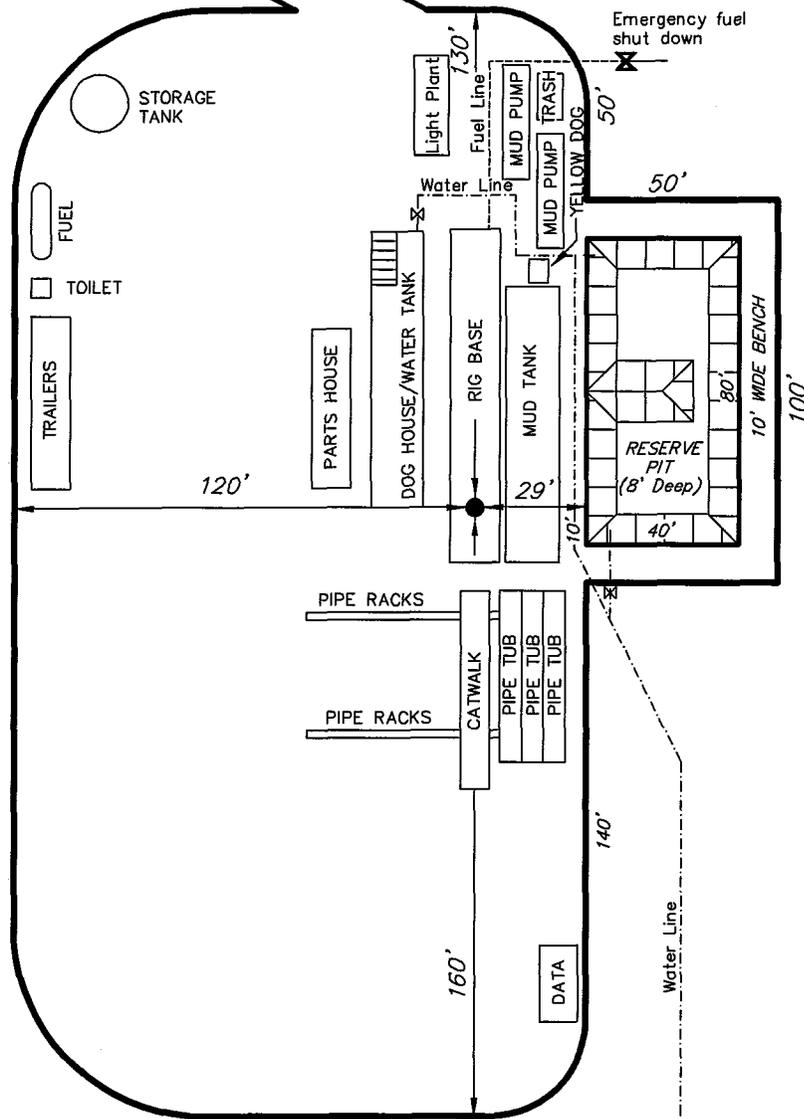
DATE: 12-27-05

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

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

9 MILE 8-17-9-16



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: MW

DATE: 12-27-05

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



NEWFIELD
Exploration Company

9 Mile 8-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.



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

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 12-28-2005

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"

J-74826

U-30090

U-034217A

UTU-73087

UTU-73086

U-020255

UTU-74390

UTU-79833

UTU-64379

UTU-64379

U-52018

Myton ±12.5 mi

±1.5 mi

±0.3 mi

Proposed Location
9 Mile 8-17

± 880'
± 330'
± 130'
± 800'
± 870'
± 1,760'



NEWFIELD
Exploration Company

9 Mile 8-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.



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

SCALE: 1" = 2000'
DRAWN BY: mw
DATE: 12-28-2005

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"

J-74826

U-30090

BM
5524

U-034217A

UTU-73087

UTU-73086

U-020255

U-020254

UTU-74390

UTU-79833

UTU-77392

UTU-64379

BM
5893

Proposed Location
9 Mile 8-17

UTU-64379

Tie in at Existing
Gas Pipeline

52018

± 880'

± 130'

± 800'

± 870'

± 1,760'



NEWFIELD
Exploration Company



Tri-State
Land Surveying Inc.

(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mw

DATE: 12-28-2005

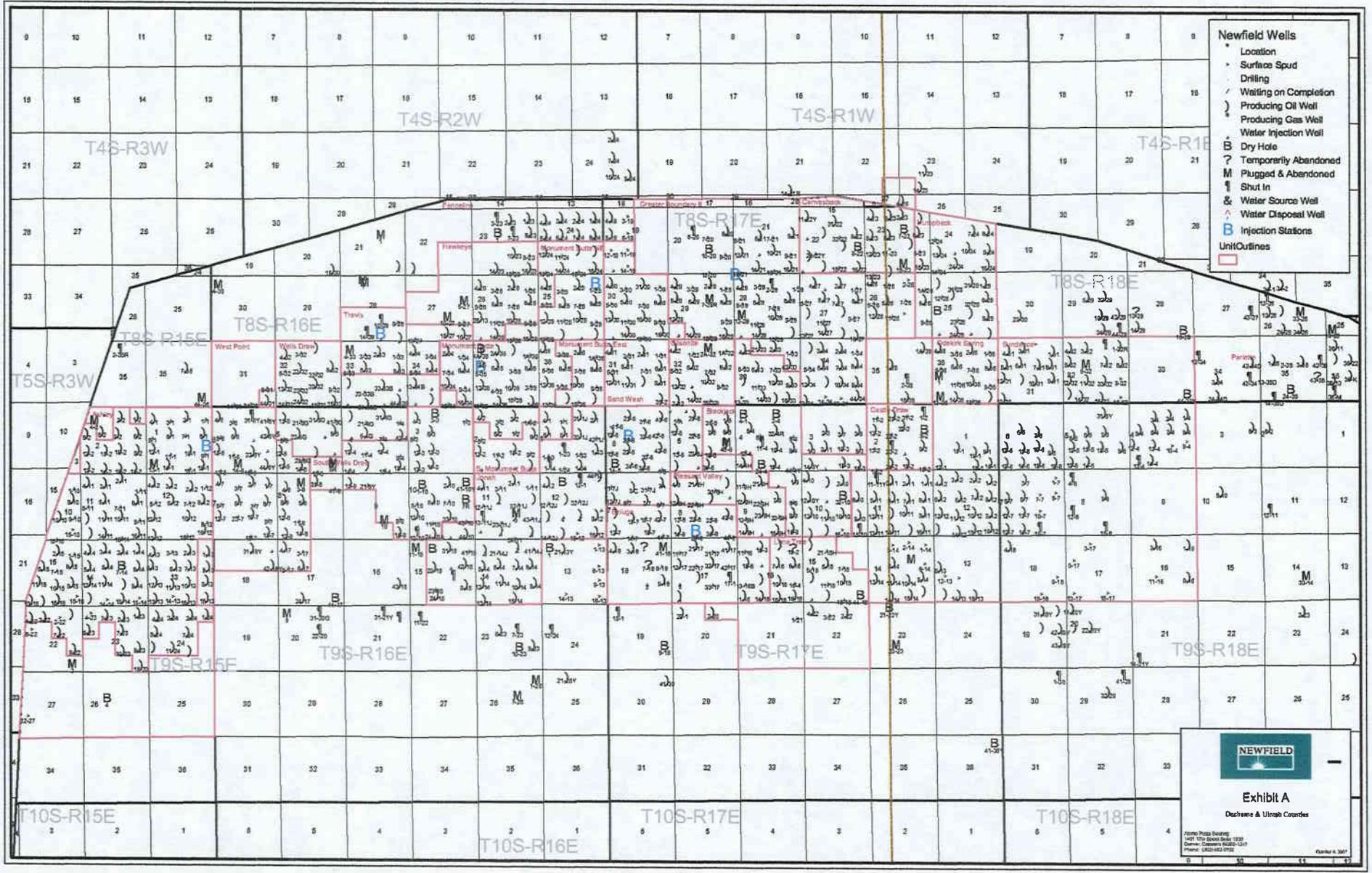
Legend

— Roads
- - - Proposed Gas Line

TOPOGRAPHIC MAP

"C"

9 Mile 8-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.

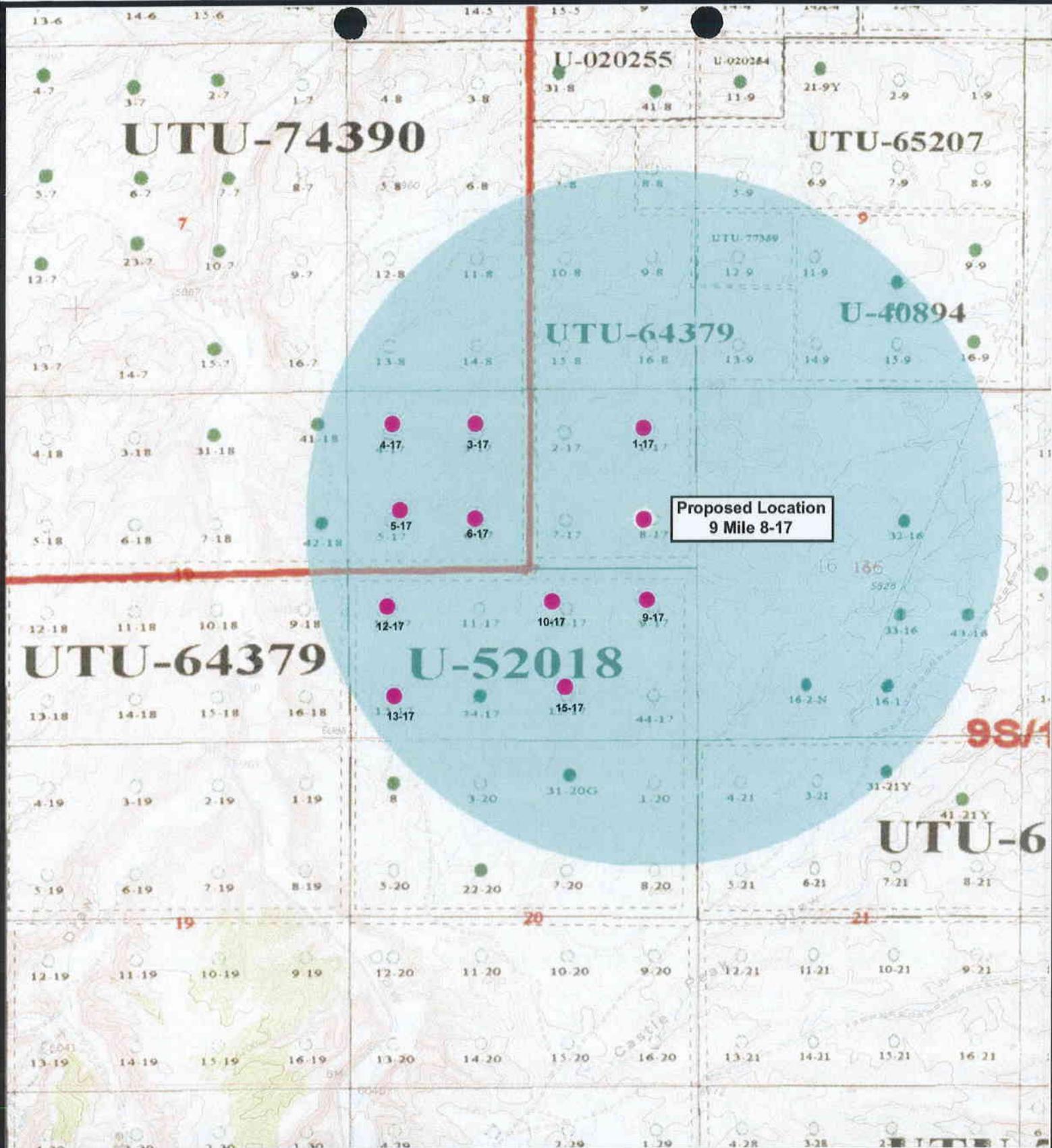


- Newfield Wells**
- Location
 - Surface Spud
 - Drilling
 - Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well
 - Water Injection Well
 - Dry Hole
 - Temporarily Abandoned
 - Plugged & Abandoned
 - Shut In
 - Water Source Well
 - Water Disposal Well
 - Injection Stations
- Unit Outlines**
-



Exhibit A
Duane & Utah Counties

All Well Data Provided
 10/17/10
 Duane, Colorado 80620-1047
 Phone: (303) 452-1700



Proposed Location
9 Mile 8-17



NEWFIELD
Exploration Company

9 Mile 8-17-9-16
SEC. 17, T9S, R16E, S.L.B.&M.



(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

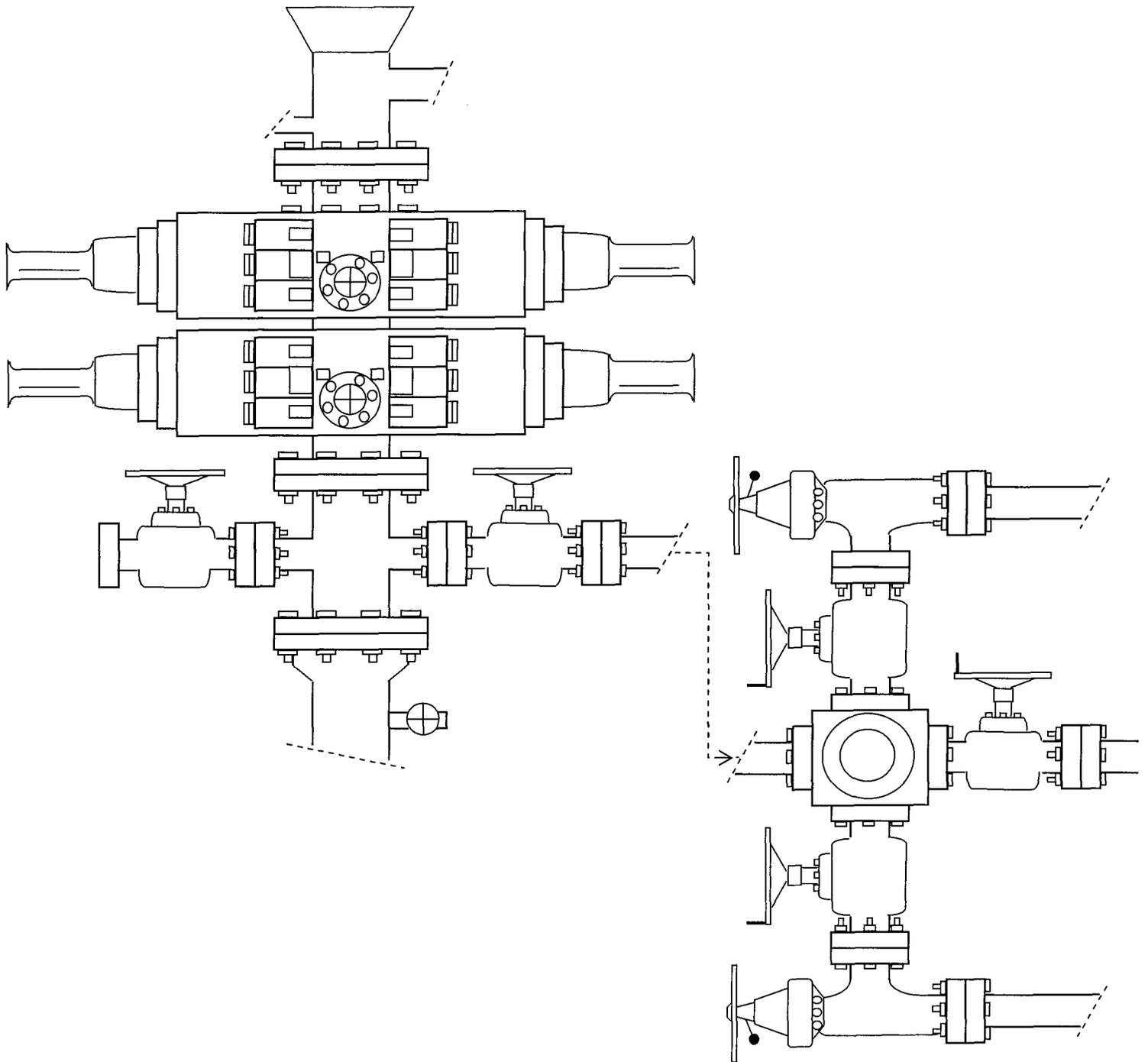


EXHIBIT C

Exhibit "D"
Page 1 of 2

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: 43-013-33031

WELL NAME: FEDERAL 8-17-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 17 090S 160E
 SURFACE: 1944 FNL 0675 FEL
 BOTTOM: 1944 FNL 0675 FEL
 COUNTY: DUCHESNE
 LATITUDE: 40.03280 LONGITUDE: -110.1355
 UTM SURF EASTINGS: 573757 NORTHINGS: 4431546
 FIELD NAME: MONUMENT BUTTE (105)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-64379
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

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

COMMENTS:

See Separate file

STIPULATIONS:

1- Federal Approval
2- Spacing 550'



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 17 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

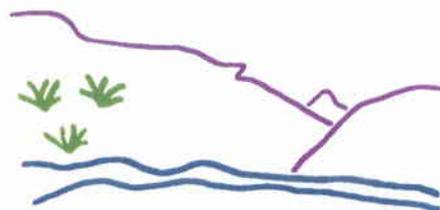
COUNTY: DUCHESNE

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 8-17-9-16 Well, 1944' FNL, 675' FEL, SE NE, 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 43-013-33031.

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 8-17-9-16
API Number: 43-013-33031
Lease: UTU-64379

Location: SE NE 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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-64379
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Federal 8-17-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1944' FNL 675' FEL At proposed prod. zone		9. API Well No. 43-013-33031
14. Distance in miles and direction from nearest town or post office* Approximatley 15.2 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 675' f/lse, NA' f/unit	16. No. of Acres in lease 1626.36	11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 17, T9S R16E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1267'	19. Proposed Depth 6050'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5906' GL	22. Approximate date work will start* 1st Quarter 2006	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BLA Bond No. on file UTB000192		
23. Estimated duration Approximately seven (?) days from spud to rig release.		

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 1/23/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JERRY KENEKA	Date 8-4-2006
Title Assistant Field Manager Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not constitute 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

RECEIVED
AUG 10 2006

FOR RECORD ONLY 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 8-17-9-16
API No: 43-013-33031

Location: SENE, Sec. 17, T9S, R16E
Lease No: UTU-64379
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 8-17-9-16

Api No: 43-013-33031 Lease Type: FEDERAL

Section 17 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 09/12/06

Time 7:30 AM

How DRY

Drilling will Commence: _____

Reported by JOHNNY DAVIS

Telephone # (435) 823-3610

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 363D
MYTON, UT 84052

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	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

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
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 1 COMMENTS: GRRU

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
A	99999	15633	43-013-33032	FEDERAL 9-17-9-16	NE/SE	17	9S	16E	DUCHESNE	09/10/06	9/14/06

WELL 1 COMMENTS: GRRU

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
A	99999	15634	43-013-33031	FEDERAL 8-17-9-16	SE/NE	17	9S	16E	DUCHESNE	09/12/06	9/14/06

WELL 1 COMMENTS: GRRU

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
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

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		

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
Production Analyst

September 13, 2006
Date

PAGE 02

INLAND

4356463031

7:13:57

09/13/06

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No. **UT4 64379**

6. If Indian, Allottee or Tribe Name.

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

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

9. API Well No.
4301333031

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

On 9-12-06 MIRU NDSi spud rig #1. Drill 320' of 12 1/4" hole with air mist. TIT W7 Jt's 8 5/8" J-55 24# csgn. Set @ 323.45. 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 7 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 IS 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

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



1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 NEWFIELD PRODUCTION COMPANY

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

3b. Phone (include area code)
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1944 FNL 675 FEL
 SENE Section 17 T9S R16E

5. Lease Serial No.
 USA UTU-64379

6. If Indian, Allottee or Tribe Name.

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

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

9. API Well No.
 4301333031

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

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

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

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

**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 11/10/2006



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

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

(Instructions on reverse)

RECEIVED
NOV 15 2006
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

PERMIT IS TRIPPLICATE 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)
 SENE Section 17 T9S R16E

5. Lease Serial No.
 utu-64379

6. If Indian, Allottee or Tribe Name.
 NA

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

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

9. API Well No.
 4301333031

10. Field and Pool, or Exploratory Area
 MONUMENT BUTTE

11. County or Parish, State
 DUCHESNE, UT

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 10/10/06 MiRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 270'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,050'. 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, 136 jt's of 5.5 J-55, 15.5# csgn. Set @ 6046.21' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 13 bbls cement returned to pit. Nipple down Bop's. Drop slips @90,000 #'s tension. Release rig 3:00 AM 10/16/06.

RECEIVED
OCT 17 2006

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature <i>Alvin Nielsen</i>	Date 10/16/2006

THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

_____ **5 1/2"** CASING SET AT _____ **6046.2**

Flt clr @ 6026.84

LAST CASING 8 5/8" SET # 322.25

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 8-17-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Patterson #155

TD DRILLER 6050 Loggers TD

6048

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 3973.93 (6.30')					
136	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6013.04
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	19.91
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6048.2
TOTAL LENGTH OF STRING		6048.2	137	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		133.65	3	CASING SET DEPTH			6046.2
TOTAL		6163.99	140	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6163.99	140				
TIMING		1ST STAGE	2nd STAGE	GOOD CIRC THRU JOB			YES
BEGIN RUN CSG.		10/15/2006	4:00 PM	Bbls CMT CIRC TO SURFACE			13
CSG. IN HOLE		10/15/2006	7:30 PM	RECIPROCATED PIPE FOR			THRUSTROKE NA
BEGIN CIRC		10/15/2006	7:30 PM	DID BACK PRES. VALVE HOLD ?			YES
BEGIN PUMP CMT		10/15/2006	9:11 PM	BUMPED PLUG TO			1972 PSI
BEGIN DSPL. CMT		10/15/2006	10:03 PM				
PLUG DOWN		10/15/2006	10:24 PM				

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	325	Premilite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake	
		mixed @ 11.0 ppg W / 3.43 cf/sk yield	
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.			

COMPANY REPRESENTATIVE Alvin Nielsen DATE 10/16/2006

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-64379

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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 8-17-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY 9. API NUMBER:
4301333031

3. ADDRESS OF OPERATOR: PHONE NUMBER
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 435.646.3721 10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: COUNTY: DUCHESNE
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE, 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 type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/15/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Status report for time period 10/25/06 - 11/09/06

Subject well had completion procedures initiated in the Green River formation on 10-25-06 without the use of a service rig over the well. A cement bond log was run and a total of six Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5295'-5304'); Stage #2 (5078'-5091') Stage not frac'd ;Stage #3 (4710'-4721'); Stage #4 (4105'-4114'); Stage #5 (4005'-4014'),(3940'-3949'). 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 11-07-2006. Bridge plugs were drilled out and well was cleaned to 6025'. 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 11-09-2006.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk
SIGNATURE Jentri Park DATE 11/15/2006

(This space for State use only)

RECEIVED
NOV 21 2006

(See other instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

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

5. LEASE DESIGNATION AND SERIAL NO.

UTU-64379

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

1a. TYPE OF WORK

OIL WELL GAS WELL DRY Other _____

7. UNIT AGREEMENT NAME

Federal

1b. TYPE OF WELL

NEW WELL WORK OVER DEEPEN PLUG BACK DIFF RESVR. Other _____

8. FARM OR LEASE NAME, WELL NO.

Federal 8-17-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

9. WELL NO.

43-013-33031

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

10. FIELD AND POOL OR WILDCAT

Monument Butte

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

At Surface **804 FSL & 1799 FWT (SE/SW) Sec. 27, T9S, R15E**
At top prod. Interval reported below **1944 FNL 675 FEL 17**

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

Sec. 17, T9S, R16E

At total depth

14. API NO. **43-013-33031** DATE ISSUED **01/26/06**

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

09/12/06

16. DATE T.D. REACHED

10/14/06

17. DATE COMPL. (Ready to prod.)

11/09/06

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

5906' GI

19. ELEV. CASINGHEAD

5918'KB

20. TOTAL DEPTH, MD & TVD

6050'

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

6025'

22. IF MULTIPLE COMPL., HOW MANY*

----->

----->

ROTARY TOOLS

X

CABLE TOOLS

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

Green River 3940'-5304'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

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

27. WAS WELL CORED

No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	323'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6046'	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 @ 5375'	TA @ 5272'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(LODC) 5295'-5304'	.46"	4/36	5295'-5304'	Frac w/ 30,252# of 20/40 sand in 392 bbls fluid
(C) 4710'-4721'	.43"	4/44	4710'-4721'	Frac w/ 41,525# 20/40 sand in 417 bbls fluid
(GB4) 4105'-4114'	.43"	4/36	4105'-4114'	Frac w/ 21,385# 20/40 sand in 280 bbls fluid
(GB2) 4005'-4014', 3940'-3949'	.43"	4/72	4014'-3940'	Frac w/ 68,288# of 20/40 sand in 591 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)					
11/09/06	2-1/2" x 1-1/2" x 14' 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			----->	20	0	86	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
		----->					

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

Sold & Used for Fuel

NOV 24 2006

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

DM OF OIL, GAS & MINING

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

SIGNED *Jentri Park* TITLE **Production Clerk**

DATE **11/22/2006**

Jentri Park

JP

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 8-17-9-16	Garden Gulch Mkr	3635'	
				Garden Gulch 1	3849'	
				Garden Gulch 2	3958'	
				Point 3 Mkr	4206'	
				X Mkr	4482'	
				Y-Mkr	4515'	
				Douglas Creek Mkr	4632'	
				BiCarbonate Mkr	4816'	
				B Limestone Mkr	4971'	
				Castle Peak	5507'	
				Basal Carbonate	5948'	
				Total Depth (LOGGERS)	6048'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 8-17-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330310000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1944 FNL 0675 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	COUNTY: DUCHESNE	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/20/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="New Perforations & Cement"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well has been converted from a producing oil well to an injection well on 11/13/2014. New interval perforated, sands - 4194-4203' 3 JSPF. Cement squeeze GB2 sands - 3940-3949' & 4005-4014' On 11/18/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2014 the casing was pressured up to 1329 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 150 psig during the test. There was not an State representative available to witness the test.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>Date: December 18, 2014</p> <p>By: </p>
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 12/11/2014	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: _____ Date 1/20/2014 Time 9:00 am pm

Test Conducted by: Dustin Bennett

Others Present: _____

Well: <u>Federal 8-17-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>SE/NE, Sec. 17, T9S, R16E, Duchesne Utah</u>	API No: <u>43-013-33031</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1330</u>	psig
5	<u>1330</u>	psig
10	<u>1330</u>	psig
15	<u>1330</u>	psig
20	<u>1329</u>	psig
25	<u>1330</u>	psig
30 min	<u>1329</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

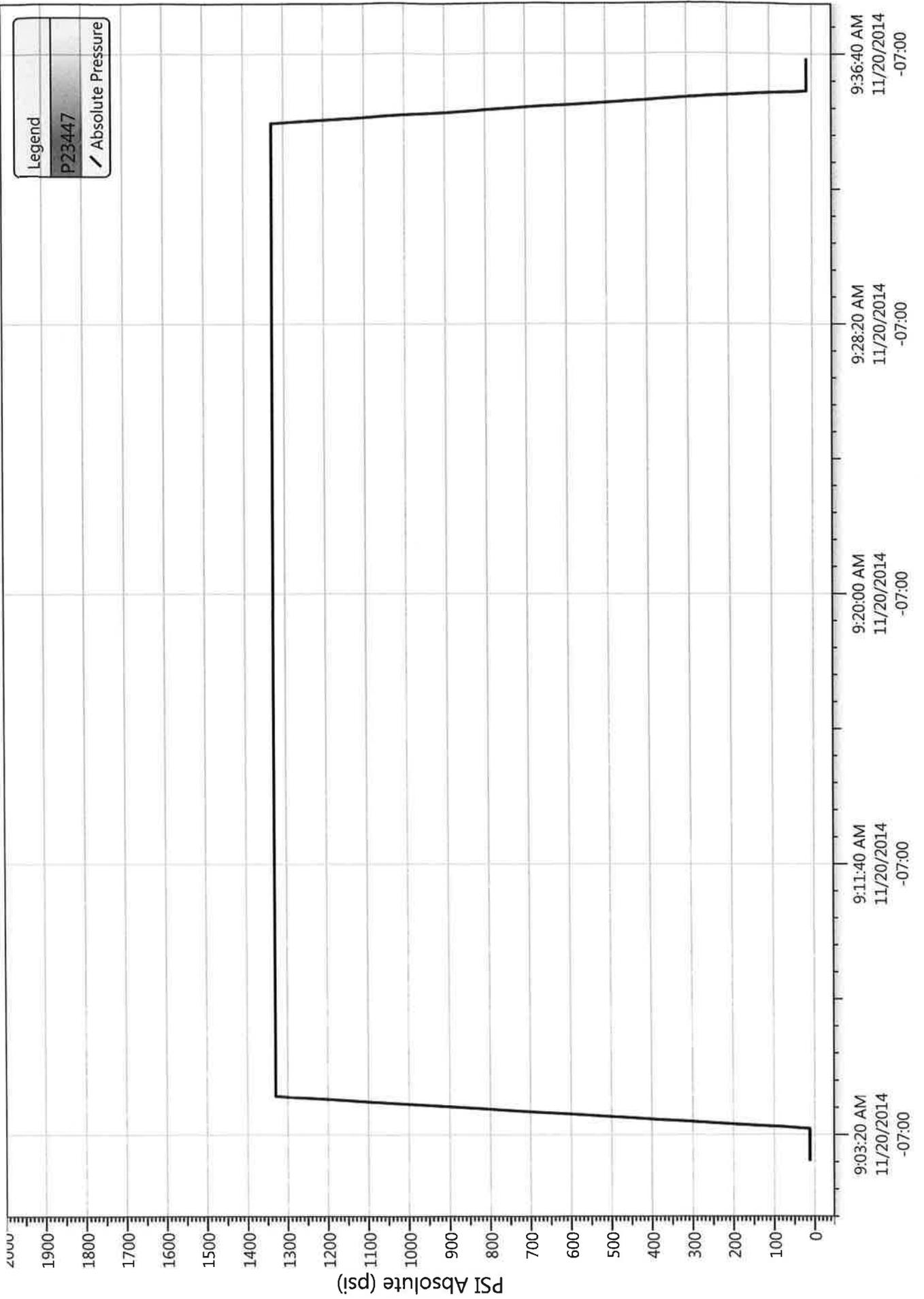
Tubing pressure: 150 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: [Signature]

Federal 8-17-9-16 (conversion MIT 11-20-2014)
11/20/2014 9:01:34 AM



Well Name: Federal 8-17-9-16

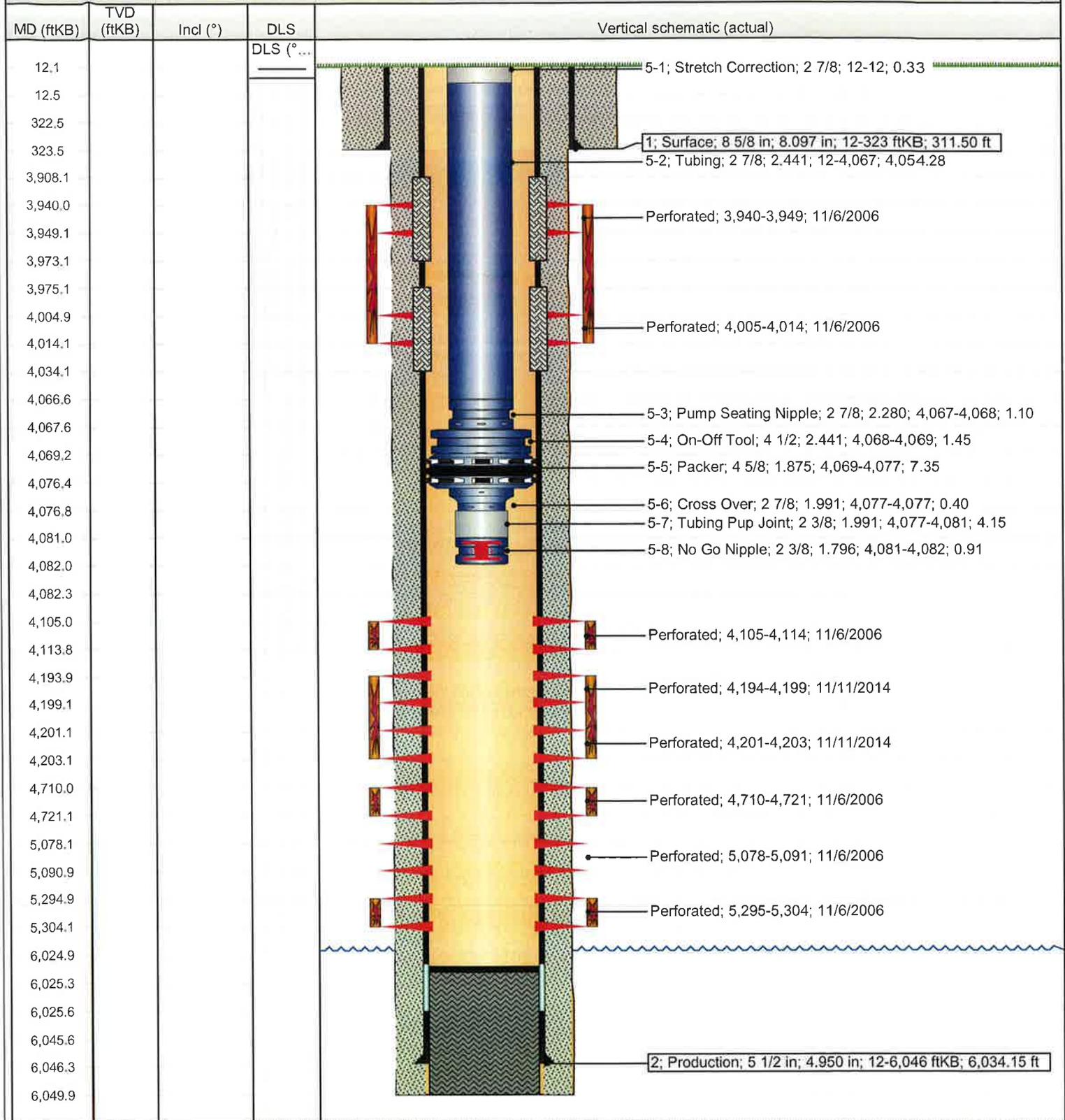
Surface Legal Location 17-9S-16E		API/UWI 43013330310000	Well RC 500155824	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 9/12/2006	Rig Release Date 10/16/2006	On Production Date 11/9/2006	Original KB Elevation (ft) 5,918	Ground Elevation (ft) 5,906	Total Depth All (TVD) (ftKB)	PBD (All) (ftKB) Original Hole - 6,025.1	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 11/4/2014	Job End Date 11/20/2014
---------------------------------------	--------------------------------	---------------------------	-----------------------------	----------------------------

TD: 6,050.0

Vertical - Original Hole, 12/9/2014 7:22:15 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 8-17-9-16**

Surface Legal Location 17-9S-16E		API/UWI 43013330310000		Lease	
County DUCHESNE		State/Province Utah		Basin Uintah Basin	
Well Start Date 9/12/2006		Spud Date 9/12/2006		Final Rig Release Date 10/16/2006	
Original KB Elevation (ft) 5,918		Ground Elevation (ft) 5,906		Total Depth (ftKB) 6,050.0	
				Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB) Original Hole - 6,025.1	

Casing Strings

Csg Des.	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/12/2006	8 5/8	8.097	24.00	J-55	324
Production	10/15/2006	5 1/2	4.950	15.50	J-55	6,046

Cement**String: Surface, 324ftKB 9/12/2006**

Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 323.5	Full Return?	Vol Cement Ret (bbl)
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 10.0

String: Production, 6,046ftKB 10/15/2006

Cementing Company BJ Services Company	Top Depth (ftKB) 12.0	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 mixed @ 11.0 ppg W / 3.43 cf/sk yield	Fluid Type Lead	Amount (sacks) 325	Class PL II	Estimated Top (ftKB) 12.0
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) 3,000.0

String: Production, 6,046ftKB 11/7/2014

Cementing Company Pro Petro	Top Depth (ftKB) 3,975.0	Bottom Depth (ftKB) 4,034.0	Full Return? No	Vol Cement Ret (bbl)
Fluid Description 15.8	Fluid Type	Amount (sacks) 50	Class G	Estimated Top (ftKB)

String: Production, 6,046ftKB 11/7/2014

Cementing Company Pro Petro	Top Depth (ftKB) 3,908.0	Bottom Depth (ftKB) 3,973.0	Full Return? No	Vol Cement Ret (bbl)
Fluid Description	Fluid Type	Amount (sacks) 100	Class G	Estimated Top (ftKB)

Tubing Strings

Tubing Description					Run Date	Set Depth (ftKB)			
Tubing					11/14/2014	4,082.4			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	
Stretch Correction	1	2 7/8				0.33	12.0	12.3	
Tubing	127	2 7/8	2.441	6.50	J-55	4,054.28	12.3	4,066.6	
Pump Seating Nipple	1	2 7/8	2.280			1.10	4,066.6	4,067.7	
On-Off Tool	1	4 1/2	2.441			1.45	4,067.7	4,069.2	
Packer	1	4 5/8	1.875			7.35	4,069.2	4,076.5	
Cross Over	1	2 7/8	1.991			0.40	4,076.5	4,076.9	
Tubing Pup Joint	1	2 3/8	1.991		J-55	4.15	4,076.9	4,081.1	
No Go Nipple	1	2 3/8	1.796			0.91	4,081.1	4,082.0	
Notched collar	1	2 3/8	2.625			0.39	4,082.0	4,082.4	

Rod Strings

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

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
5	GB2, Original Hole	3,940	3,949	4			11/6/2006
5	GB2, Original Hole	4,005	4,014	4			11/6/2006
4	GB4, Original Hole	4,105	4,114	4			11/6/2006
6	GB6, Original Hole	4,194	4,199	3	120	0.340	11/11/2014
6	GB6, Original Hole	4,201	4,203	3	120	0.340	11/11/2014
3	C sds, Original Hole	4,710	4,721	4			11/6/2006
2	A1, Original Hole	5,078	5,091	4			11/6/2006
1	LODC, Original Hole	5,295	5,304	4			11/6/2006

NEWFIELD**Newfield Wellbore Diagram Data
Federal 8-17-9-16**

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	2,580	0.92	25.6	3,054			
3	1,960	0.85	25.8	2,100			
4	1,610	0.83	26.1	1,985			
5	1,505	0.81	25.8	1,984			
6	1,978	0.904	20.6	5,637	280	309	274

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk Sand 30252 lbs
3		Proppant Bulk Sand 41525 lbs
4		Proppant Bulk Sand 21385 lbs
5		Proppant Bulk Sand 68288 lbs
6	27,980	Proppant white sand 27980 lb



Well Name: Federal 8-17-9-16

Job Detail Summary Report

Primary Job Type Conversion	Job Start Date 11/4/2014	Job End Date 11/20/2014
--------------------------------	-----------------------------	----------------------------

Daily Operations

Report Start Date 11/4/2014	Report End Date 11/5/2014	24hr Activity Summary MIRU	
Start Time	End Time	14:00	15:00
Start Time	End Time	15:00	18:30
Start Time	End Time	18:30	19:00
Start Time	End Time	19:00	00:00
Report Start Date 11/5/2014	Report End Date 11/6/2014	24hr Activity Summary NU & pressure test BOPs. TOOH w/ tbg, breaking collars & applying Liquid O-ring to threads	
Start Time	End Time	00:00	06:00
Start Time	End Time	06:00	06:30
Start Time	End Time	06:30	08:30
Start Time	End Time	08:30	10:30
Start Time	End Time	10:30	11:30
Start Time	End Time	11:30	15:00
Start Time	End Time	15:00	18:30
Start Time	End Time	18:30	19:00
Start Time	End Time	19:00	00:00
Report Start Date 11/6/2014	Report End Date 11/7/2014	24hr Activity Summary LD extra tbg. WL CBP. TIH w/ CICR & tbg	
Start Time	End Time	00:00	05:30
Start Time	End Time	05:30	06:00
Start Time	End Time	06:00	08:00
Start Time	End Time	08:00	11:00
Start Time	End Time	11:00	14:00



Well Name: Federal 8-17-9-16

Job Detail Summary Report

Start Time	14:00	End Time	15:00	Comment
Start Time	15:00	End Time	16:00	R/U To Tbg, Psr Tst Tbg To 3000psi, Good Tst, Sting Out Of CICR, Pump Through Stinger, Sting Into CICR, Find Injection of 1200psi@1.25BPM
Start Time	16:00	End Time	16:30	Clean Up Tools, Pick Up Rig & Prep For Cement Squeeze
Start Time	16:30	End Time	00:00	Crew travel
Start Time	00:00	End Time	05:30	Crew travel
Start Time	05:30	End Time	06:00	SDFN
Start Time	06:00	End Time	08:00	Comment
Start Time	08:00	End Time	10:00	R/U Propetro, Prep For Squeeze, Hold Safety Meeting, Get Injection Rate
Start Time	10:00	End Time	11:00	Pmp 50sx Cement, Hesitate 1bbl Cement, Sting Out Off CICR, Leave 1/2bbl Cement On CICR, Reverse Circulate To Clean Tbg
Start Time	11:00	End Time	14:00	Comment
Start Time	14:00	End Time	15:30	TOOH W/Stinger, P/U & RIH W/ New Weatherford CICR, Set CICR @ 3908', Get Injection Rate.
Start Time	15:30	End Time	18:00	Comment
Start Time	18:00	End Time	18:30	Squeeze Perfs W/50sx, Perfs Would Not Squeeze, Perfs Sucking
Start Time	18:30	End Time	00:00	Batch Up 50 More Sx Cement, Pmp Cement, Hesitate Last 1 1/2bbl, Perfs Locked Up, Sting Out Of CICR W/2300psi On Squeeze, Leave 1/2bbl Cement On CICR, Circulate Tbg Clean
Start Time	00:00	End Time	05:30	Comment
Start Time	05:30	End Time	06:00	TOOH W/ Stinger, P/U & RIH W/ RBS Metal Muncher Bit & Bit Sub, EOT @ 3733'
Start Time	06:00	End Time	07:00	Crew travel
Start Time	07:00	End Time	07:30	Comment
Start Time	07:30	End Time	15:30	SDFN
Start Time	15:30	End Time	17:00	Comment
Start Time	17:00	End Time	18:00	Safety meeting. TIH w/ 4-its tbg
Start Time	18:00	End Time	18:30	RU power swivel
Start Time	18:30	End Time	18:30	Comment
Start Time	18:30	End Time	18:30	Tag cement @ 3880'. Drill out cement to CICR @ 3908'. Drill out cement to next CICR @ 3973'.
Start Time	18:30	End Time	18:30	Comment
Start Time	18:30	End Time	18:30	Circulate well clean
Start Time	18:30	End Time	18:30	Comment
Start Time	18:30	End Time	18:30	Pressure test csg to 1500 psi for 30 min w/ 0 psi loss
Start Time	18:30	End Time	18:30	Comment
Start Time	18:30	End Time	18:30	Crew travel



Well Name: Federal 8-17-9-16

Job Detail Summary Report

Start Time	18:30	End Time	00:00	Comment	SDFN
Report Start Date	11/11/2014	Report End Date	11/12/2014	24hr Activity Summary Drill out 2nd CICR & cement. Pressure test csg to 1500 psi for 30 min. Drill out remaining cement & composite plug	
Start Time	00:00	End Time	05:30	Comment	SDFN
Start Time	05:30	End Time	06:00	Comment	Crew travel
Start Time	06:00	End Time	07:30	Comment	Safety meeting. R/U Rig Pump, P/U P/Swivel
Start Time	07:30	End Time	13:30	Comment	Drill out CICR @ 3973'. Drill out cement to composite plug @ 4034'.
Start Time	13:30	End Time	15:00	Comment	Circulate well clean
Start Time	15:00	End Time	16:30	Comment	Pressure test csg to 1500 psi for 30 min w/ 0 psi loss
Start Time	16:30	End Time	18:00	Comment	Drill out composite plug
Start Time	18:00	End Time	18:30	Comment	crew travel
Start Time	18:30	End Time	00:00	Comment	SDFN
Report Start Date	11/12/2014	Report End Date	11/13/2014	24hr Activity Summary TIH w/ tbg to push bottom of plug down hole. Perforate new zone. TIH w/ frac string.	
Start Time	00:00	End Time	06:00	Comment	SDFN
Start Time	06:00	End Time	07:00	Comment	Crew travel
Start Time	07:00	End Time	10:30	Comment	Safety meeting
Start Time	10:30	End Time	13:00	Comment	RIH W/38 Jts Tbg, To Tag Fill @ 5620', 300' Rathole, POOH W/38 Jts Of J-55 Tbg & 134 Jts Of N-80 Tbg, R/U Adler Hot Oil, To Csg Pump 20 Bbls Wtr Down Csg. Due To Oil On The TOO
Start Time	13:00	End Time	15:00	Comment	R/U Perforators WL truck. Pressure test tub to 3000 psi. RIH w/ WL and perforate new zone @ 4194-99' & 4201-03' w/ 3 SPF 120 deg phase, 16 gram charge w/ 21.00" pen.
Start Time	15:00	End Time	17:00	Comment	TIH w/ frac string
Start Time	17:00	End Time	18:00	Comment	Break down new zone
Start Time	18:00	End Time	18:30	Comment	Crew travel
Start Time	18:30	End Time	00:00	Comment	SDFN
Report Start Date	11/13/2014	Report End Date	11/14/2014	24hr Activity Summary Frac & flowback GB4 sds.	
Start Time	00:00	End Time	05:30	Comment	SDFN
Start Time	05:30	End Time	06:00	Comment	Crew travel



Well Name: Federal 8-17-9-16

Job Detail Summary Report

Start Time	06:00	End Time	07:00	Comment
Start Time	07:00	End Time	11:00	Safety meeting. Clean location while waiting for hot oil truck
Start Time	11:00	End Time	12:00	RU hot oil truck. Pressure test tbg to 3000 psi for 30 min.
Start Time	12:00	End Time	14:00	RU sand line & retrieve SV
Start Time	14:00	End Time	16:30	ND BOPs and manual valve. NU wellhead
Start Time	16:30	End Time	18:00	RU hot oil truck. Pump 50 bbls packer fluid down annulus
Start Time	18:00	End Time	18:30	ND wellhead. Set packer w/ 15K tension. NU wellhead. Fill annulus w/ 15 bbls packer fluid. Pressure test annulus to 1500 psi. Chart MIT test for 30 min. Ready to RDMOSU in morning
Start Time	18:30	End Time	00:00	Crew travel
Report Start Date	11/20/2014	Report End Date	11/20/2014	SDFN
Start Time	09:00	End Time	09:30	Comment
On 11/18/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2014 the casing was pressured up to 1329 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 150 psig during the test. There was not an State representative available to witness the test.				

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-64379
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: FEDERAL 8-17-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013330310000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1944 FNL 0675 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

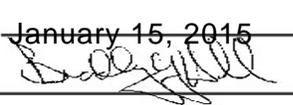
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/13/2015	<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 11:45 AM on 01/13/2015

Accepted by the Utah Division of Oil, Gas and Mining

Date: January 15, 2015

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 1/14/2015	



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-424

Operator: Newfield Production Company
Well: Federal 8-17-9-16
Location: Section 17, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33031
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 31, 2014.
2. Maximum Allowable Injection Pressure: 1,479 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,956' – 6,025')
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

1/8/15

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

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 31, 2014

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

Subject: Greater Monument Butte Unit Well: Federal 8-17-9-16, Section 17, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33031

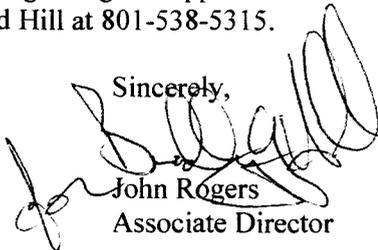
Newfield Production Company:

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 3,956 feet in the Federal 8-17-9-16 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

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



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

Applicant: Newfield Production Company **Well:** Federal 8-17-9-16

Location: 17/9S/16E **API:** 43-013-33031

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

Well Integrity: The proposed well has surface casing set at 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,046 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,528 feet or higher. A 2 7/8 inch tubing with a packer will be set at 3,890 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (12/30/2014), based on surface locations, there are 8 producing wells and 9 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. There is 1 horizontal producing well with surface and bottom hole locations outside the AOR, but the directional path passes through the AOR. One directional producing well has a surface location outside the AOR and a bottom hole location inside the AOR, and another has a directional path tangential to the AOR. Finally, there is 1 approved surface location inside the AOR for a directional well with a proposed 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 2400 feet. Injection shall be limited to the interval between 3,956 feet and 6,025 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-17-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,479 psig. The requested maximum pressure is 1,479 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 8-17-9-16
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: 7/30/2014 (revised 12/30/2014)

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

The Salt Lake Tribune

MEDIAOne

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING. Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	6/25/2014

ACCOUNT NAME			
DIV OF OIL-GAS & MINING.			
TELEPHONE	ADORDER# / INVOICE		
8015385340	0000966816 /		
SCHEDULE			
Start 06/25/2014		End 06/25/2014	
CUST. REF. NO.			
CAUSE NO. UIC-424			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NAT			
SIZE			
76	Lines	2.00	COLUMN
TIMES	RATE		
3			
MISC. CHARGES	AD CHARGE		
TOTAL COS			
260.36			

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-424

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 25, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

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

Greater Monument Butte Unit:
Fenceline Federal 2-24-8-16 well located in NW/4 NE/4, Section 24, Township 8 South, Range 16 East
API 43-013-32364
Fenceline Federal 8-24-8-16 well located in SE/4 NE/4, Section 24, Township 8 South, Range 16 East
API 43-013-32360
Ashley Federal 6-25-9-15 well located in NE/4NW/4, Section 25, Township 9 South, Range 15 East
API 43-013-32946
Ashley Federal 10-25-9-15 well located in NW/4 SE/4, Section 25, Township 9 South, Range 15 East
API 43-013-32949
Federal 2-17-9-16 well located in NW/4 NE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33029
Federal 8-17-9-16 well located in SE/4 NE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33031
Federal 43-217 well located in NE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-31392

The proceeding will be conducted in accordance with Utah Admin. R6-49-10, 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) 538-3340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of June, 2014.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
Brad Hill
Permitting Manager
966816 UPAKLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, I.C. dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH, CAUSE NO. UIC-424 IN THE MATTER OF THE APPLICANT FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY COMPANY, I.C. dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, IN THE STATE OF UTAH IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH NOTICE IS ALSO POSTED ON UTAHLEGAL.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGAL.COM INDEFINITELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104

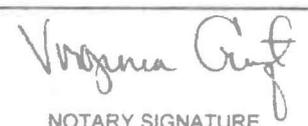
PUBLISHED ON Start 06/25/2014 End 06/25/2014

SIGNATURE 

DATE 6/25/2014

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

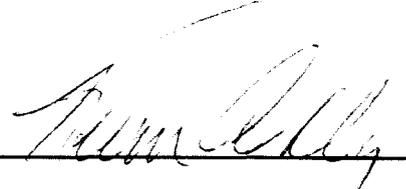
VIRGINIA CRAFT
NOTARY PUBLIC - STATE OF UTAH
My Comm. Exp. 01/12/2018
Commission # 672963


NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 1 day of July, 20 14, and that the last publication of such notice was in the issue of such newspaper dated the 1 day of July, 20 14, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

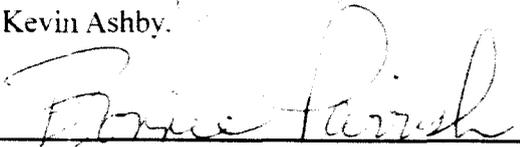


Publisher

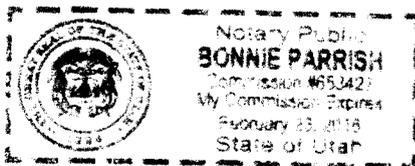
Subscribed and sworn to before me on this

2 day of July, 20 14

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-424

BEFORE THE
DIVISION OF OIL,
GAS AND MINING,
DEPARTMENT OF
NATURAL RE-
SOURCE, STATE
OF UTAH.

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTION 24,
TOWNSHIP 8
SOUTH, RANGE
16 EAST, SECTION
25, TOWNSHIP 9
SOUTH, RANGE
15 EAST, AND
SECTIONS 17 AND
21, TOWNSHIP 9
SOUTH, RANGE 16
EAST, DUCHESNE
COUNTY, UTAH,
AS CLASS II INJEC-
TION WELLS.

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

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company,
1001 17th Street,
Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative
approval of the fol-
lowing wells located
in Duchesne County,
Utah, for conversion
to Class II injection
wells:

Greater Monument
Butte Unit:

Fenceline Federal
2-24-8-16 well lo-
cated in NW/4 NE/4,
Section 24, Township
8 South, Range 16
East

API 43-013-32364
Fenceline Federal
8-24-8-16 well lo-
cated in SE/4 NE/4,
Section 24, Township

538-5340. If such
a protest or notice
of intervention is
received, a hearing
will be scheduled
in accordance with
the aforementioned
administrative
procedural rules.
Protestants and/or
interveners should be
prepared to demon-
strate at the hearing
how this matter af-
fects their interests.

Dated this 23rd day
of June, 2014.

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

/s/
Brad Hill
Permitting Man-
ager

Published in the
Uintah Basin Stan-
dard July 1, 2014.

8 South, Range 16
East

API 43-013-32360
Ashley Federal
6-25-9-15 well lo-
cated in SE/4NW/4,
Section 25, Township
9 South, Range 15
East

API 43-013-32946
Ashley Federal 10-
25-9-15 well located
in NW/4 SE/4, Sec-
tion 25, Township 9
South, Range 15 East

API 43-013-32949
Federal 2-17-9-16
well located in NW/4
NE/4, Section 17,
Township 9 South,
Range 16 East

API 43-013-33029
Federal 8-17-9-16
well located in SE/4
NE/4, Section 17,
Township 9 South,
Range 16 East

API 43-013-33031
Federal 41-21Y
well located in NE/4
NE/4, Section 21,
Township 9 South,
Range 16 East

API 43-013-31392
The proceeding
will be conducted in
accordance with Utah
Admin. R649-10,
Administrative Proce-
dures.

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

Any person
desiring to object to
the application or
otherwise intervene
in the proceeding,
must file a written
protest or notice of
intervention with
the Division within
fifteen days following
publication of this
notice. The Division's
Presiding Officer
for the proceeding is
Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake
City, UT 84114-5801,
phone number (801)

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-424

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 24, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 25, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 17 AND 21, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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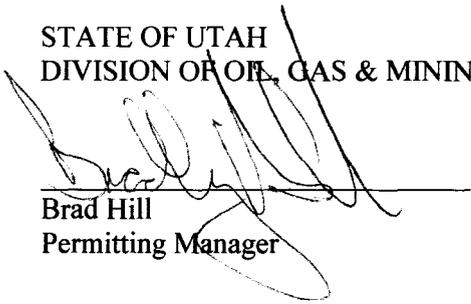
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Dated this 23rd day of June, 2014.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**FENCELINE FEDERAL 2-24-8-16, FENCELINE FEDERAL 8-24-8-16,
ASHLEY FEDERAL 6-25-9-15, ASHLEY FEDERAL 10-25-9-15,
FEDERAL 2-17-9-16, FEDERAL 8-17-9-16, FEDERAL 41-21Y**

Cause No. UIC-424

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 ubslegals@ubmedia.biz

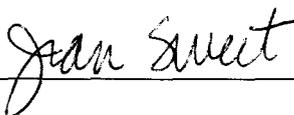
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

June 24, 2014

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-424

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-424

1 message

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

Thu, Jun 26, 2014 at 2:54 PM

On 6/24/2014 9:37 AM, Jean Sweet wrote:

To Whom It May Concern:

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Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

–

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

Received. Thank you. It will publish July 1, 2014.
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

June 24, 2014

VIA E-MAIL naclegal@mediaoneutah.com

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

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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 #0000966816-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	Payor Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154

Fax 801-359-3940
EMail juliecarter@utah.gov

Ordered By Jean
Acct. Exec kstowe

Total Amount \$260.36
Payment Amt \$0.00

	Tear Sheets	Proofs	Affidavits
Amount Due	\$260.36	0	0
			1

Payment Method
Confirmation Notes:
Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 76 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	6/25/2014	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	6/25/2014	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	6/25/2014	

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-424

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Dated this 23rd day of June, 2014.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager

966816

UPAXIP

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

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

June 4, 2014

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

RECEIVED
JUN 06 2014
DIV. OF OIL, GAS & MINING

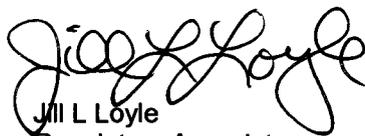
RE: Permit Application for Water Injection Well
Federal #8-17-9-16
Monument Butte Field, Lease #UTU-64379
Section 17-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-17-9-16 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 #8-17-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-64379
JUNE 4, 2014

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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

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

Proposed Injection 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

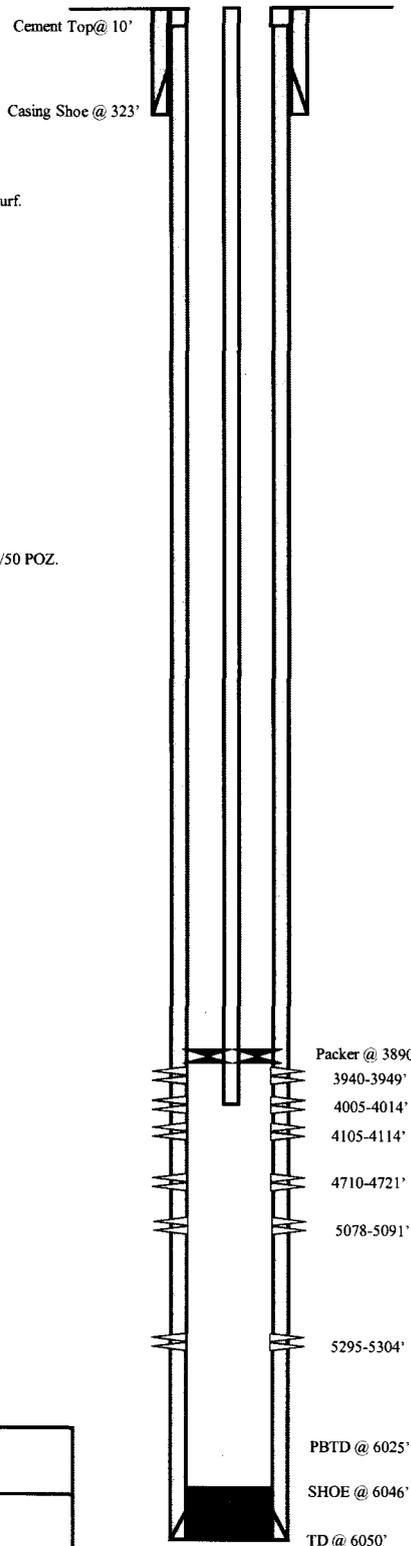
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (6032.95')
 DEPTH LANDED: 6046.20' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 10'

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

FRAC JOB

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



PERFORATION RECORD

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

NEWFIELD

Federal 8-17-9-16
 1944' FNL & 675' FEL
 SE/NE Section 17-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33031; Lease #UTU-64379

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 #8-17-9-16 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 #8-17-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3956' - 6025'). 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 3632' 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 #8-17-9-16 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-64379) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

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

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 6046' 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 1479 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 #8-17-9-16, for existing perforations (3940' - 5304') calculates at 0.81 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1479 psig. We may add additional perforations between 3632' 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 #8-17-9-16, the proposed injection zone (3956' - 6025') 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-17.

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.

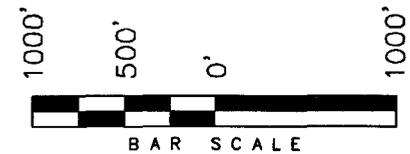
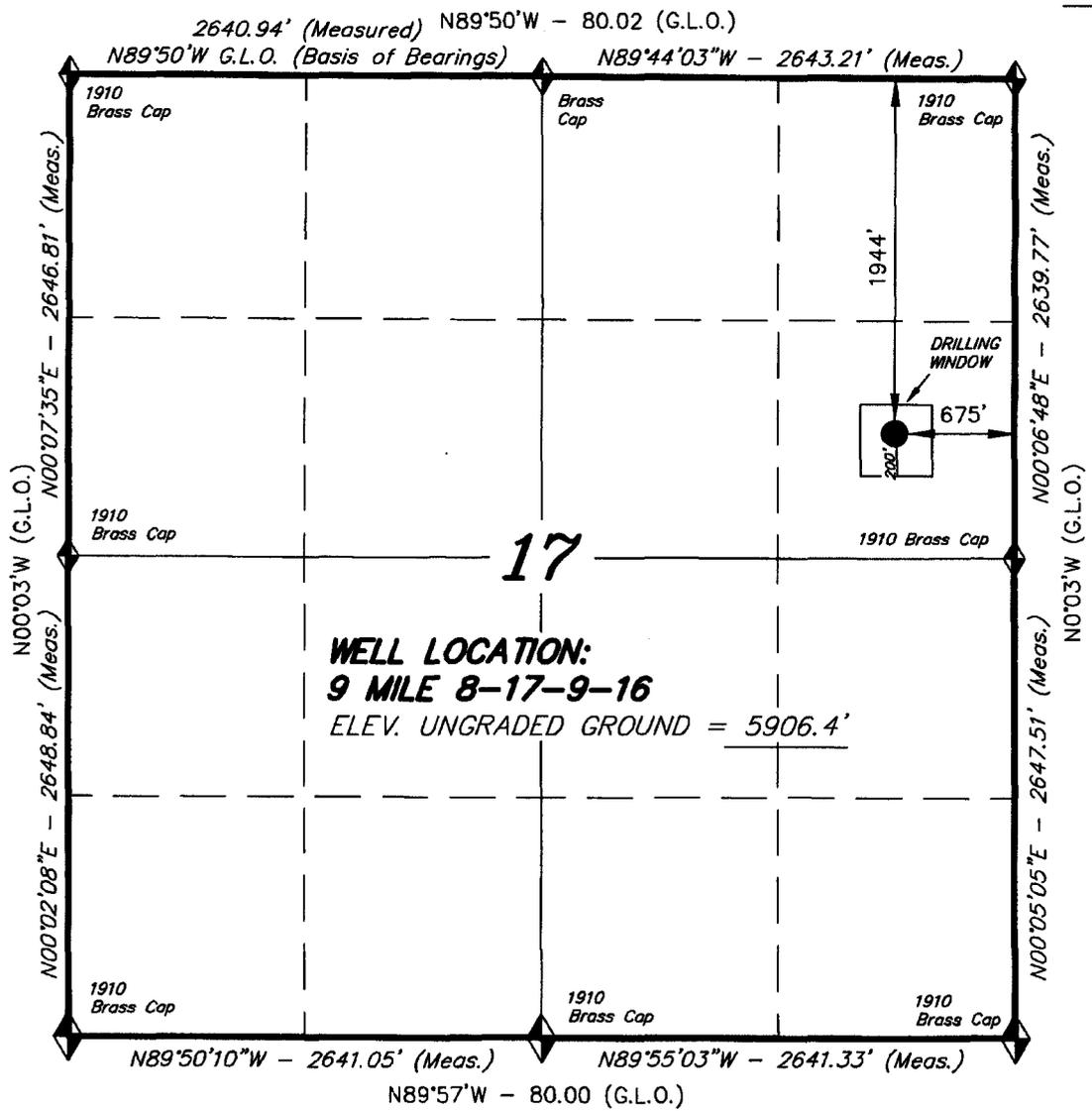
2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

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

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

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 8-17-9-16,
 LOCATED AS SHOWN IN THE SE 1/4 NE
 1/4 OF SECTION 17, T9S, R16E,
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



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

Stacy W. Stewart
 STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

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

9 MILE 8-17-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 58.14"
 LONGITUDE = 110° 08' 10.24"

TRI STATE LAND SURVEYING & CONSULTING 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 12-13-05	SURVEYED BY: C.M.
DATE DRAWN: 12-27-05	DRAWN BY: MW
REVISED:	SCALE: 1" = 1000'

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 #8-17-9-16

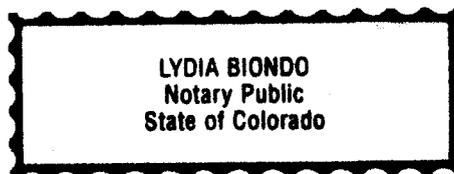
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

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

Sworn to and subscribed before me this 4th day of June, 2014.

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

My Commission Expires: 12/31/15



Federal 8-17-9-16

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

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

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

TUBING

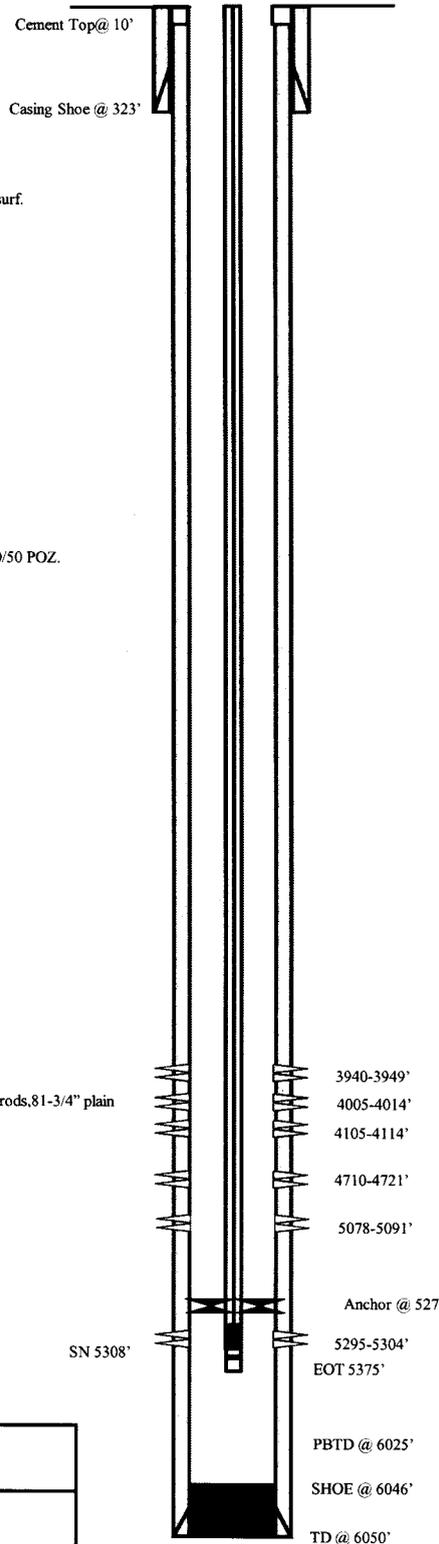
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 164 jts (5260.26')
 TUBING ANCHOR: 5272.26' KB
 NO. OF JOINTS: 1 jts (32.50')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5307.56' KB
 NO. OF JOINTS: 2 jts (66.03')
 TOTAL STRING LENGTH: EOT @ 5375.14' KB

SUCKER RODS

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

FRAC JOB

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



PERFORATION RECORD

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

NEWFIELD

Federal 8-17-9-16

1944' FNL & 675' FEL

SE/NE Section 17-T9S-R16E

Duchesne Co, Utah

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

Federal 1-17-9-16

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

Injection Wellbore Diagram

SURFACE CASING

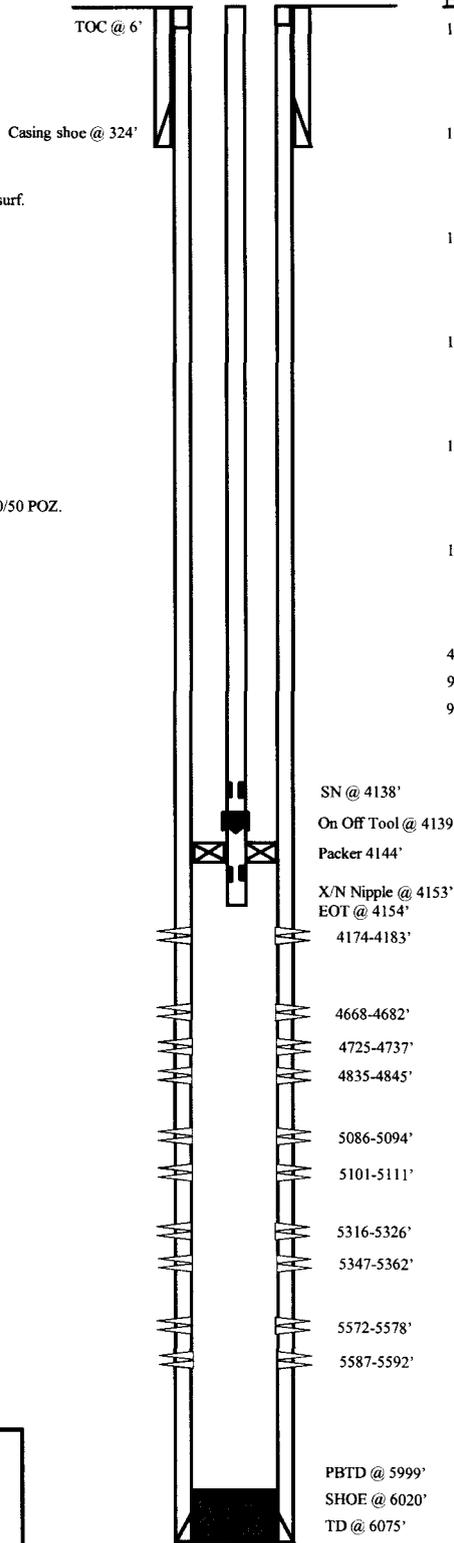
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (311.97')
 DEPTH LANDED: 323.82' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf.

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 1 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 2-17-9-16

Spud Date: 08/29/06
Put on Production: 10/10/06

K.B.: 5898, G.L.: 5886

SURFACE CASING

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

PRODUCTION CASING

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

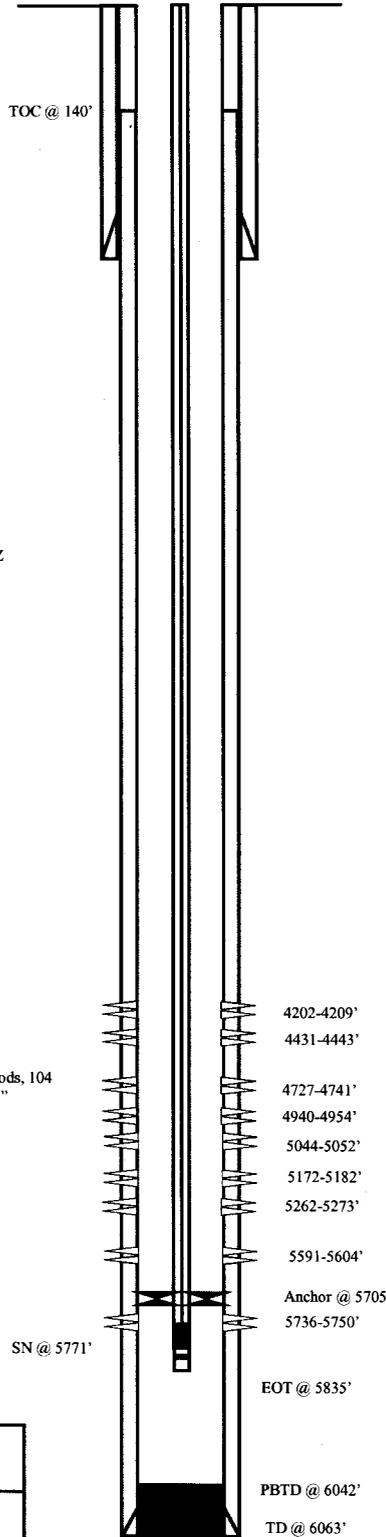
TUBING (GI 3/19/08)

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

SUCKER RODS (GI 5/9/11)

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

Wellbore Diagram



FRAC JOB

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

PERFORATION RECORD

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

NEWFIELD

Federal 2-17-9-16

669' FNL & 1785' FEL

NW/NE Section 17-T9S-R16E

Duchesne Co, Utah

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

Federal 7-17-9-16

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

Injection Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

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

TUBING

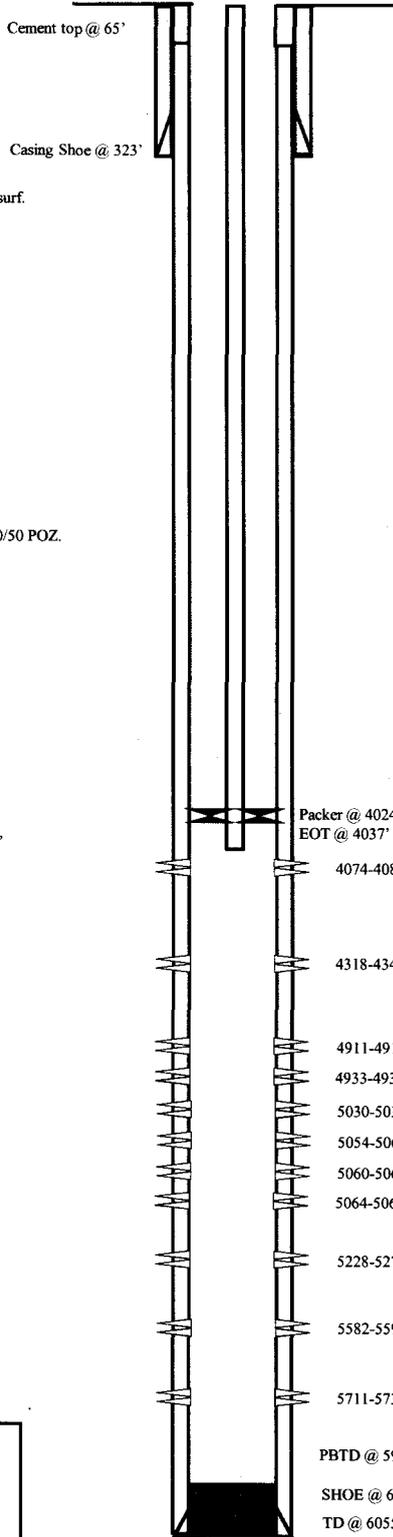
SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#
 NO. OF JOINTS: 127 jts (4009.0')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4021.0' KB
 ON/OFF TOOL AT: 4022.1'
 PACKER 5-1/2" AS1X w/1.875 "X" seal nipple AT: 4023.9'
 XO AT: 4030.9'
 TBG PUP 2-3/8" J-55 AT4031.4'
 XN NIPPLE 2-3/8" AT: 4035.5'
 TOTAL STRING LENGTH: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

PERFORATION RECORD

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

FRAC JOB

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



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

NEWFIELD

Schematic

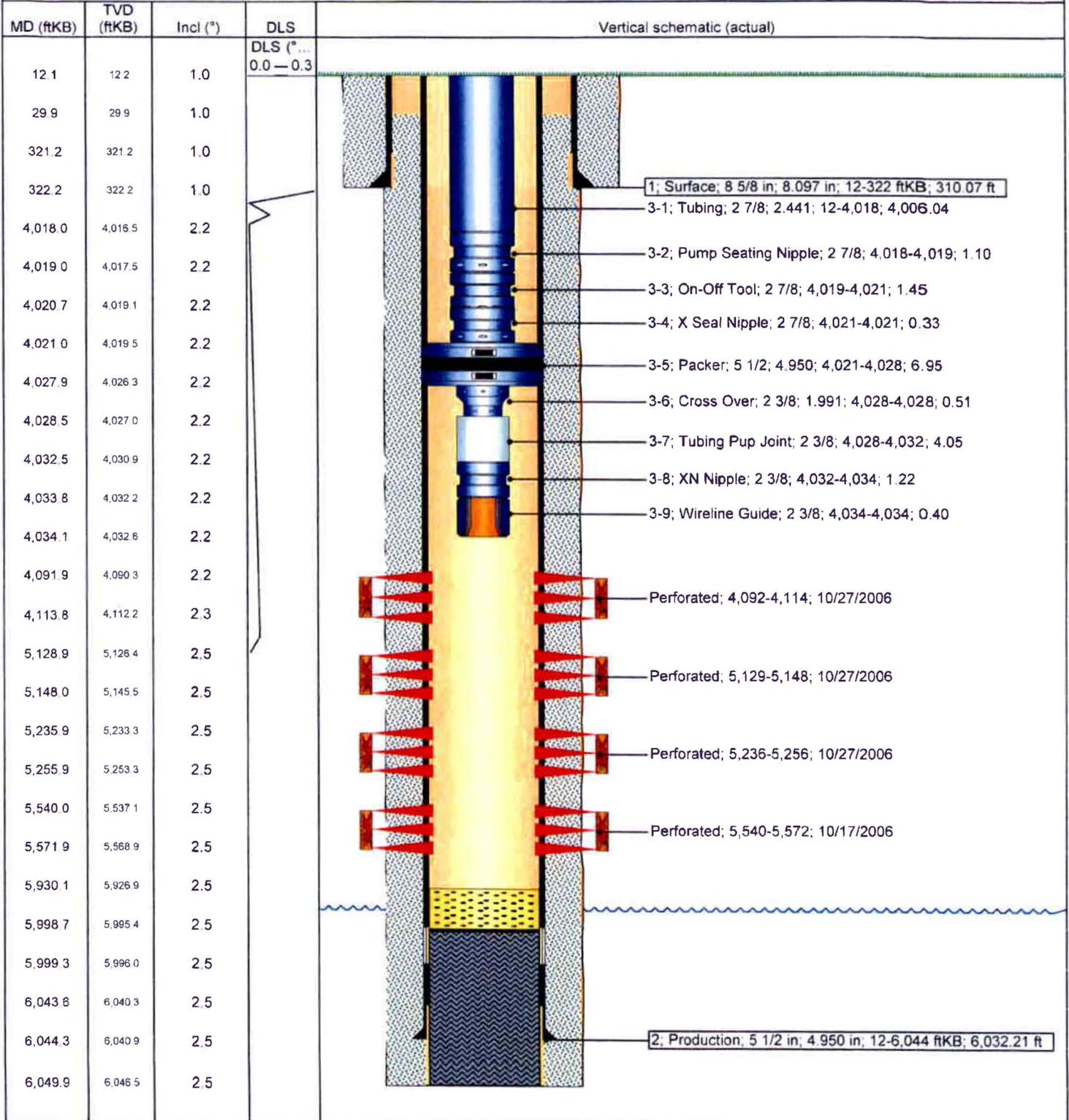
43-013-33032

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 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)	PBD (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



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)

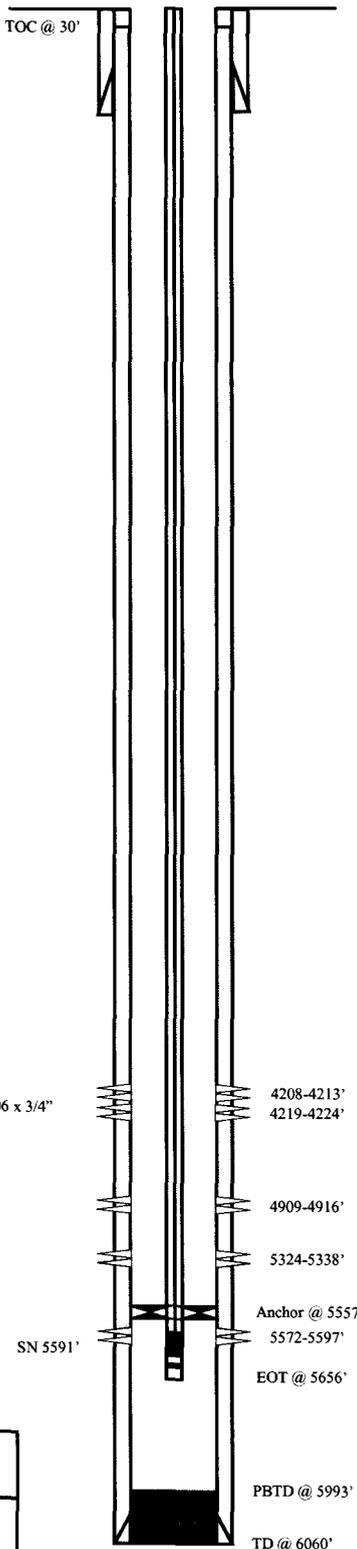
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 176jts (5544.87')
 TUBING ANCHOR: 5556.87'
 NO. OF JOINTS: 1jt (31.56')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5591.23'
 NO. OF JOINTS: 2jts (63.04')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5655.82'

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



PERFORATION RECORD

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

NEWFIELD

FEDERAL 10-17-9-16

2102' FSL & 2117' FEL

NW/SE Section 17-T9S-R16E

Duchesne Co, Utah

API #43-013-33033; Lease #UTU-52018

Federal 16-8-9-16

Spud Date: 02/06/07

Put on Production: 03/21/07

K.B.: 5876, G.L.: 5864

Injection Wellbore Diagram

SURFACE CASING

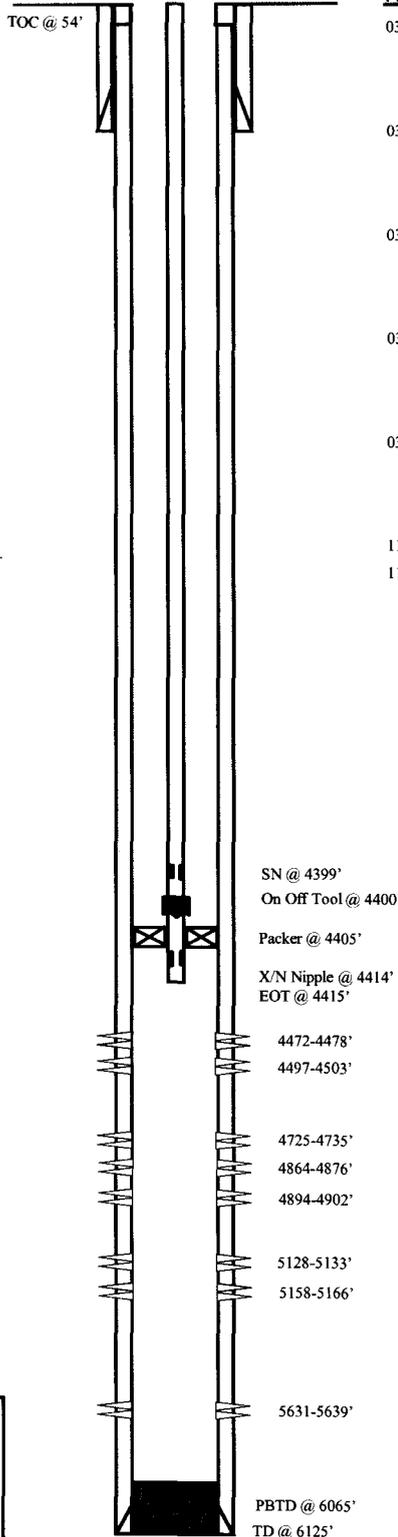
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (308.18')
 DEPTH LANDED: 320.03' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 138 jts. (6054.21')
 DEPTH LANDED: 6104.47' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 301 sxs Prem. Lite II mixed & 449 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 139 jts (4386.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4398.6' KB
 ON/OFF TOOL AT: 4399.7'
 ARROW #1 PACKER CE AT: 4405.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 4409'
 TBG PUP 2-3/8 J-55 AT: 4409.5'
 X/N NIPPLE AT: 4413.7'
 TOTAL STRING LENGTH: EOT @ 4415.24'



FRAC JOB

03/13/07 5627-5732' **Frac CP2, sands as follows:**
 26883# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 2479 psi w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc flush: 5730 gal. Actual flush: 5124 gal.

03/13/07 5128-5166' **Frac A3 sands as follows:**
 24821# 20/40 sand in 347bbls Lightning 17 frac fluid. Treated @ avg press of 2094psi w/avg rate of 25.2 BPM. ISIP 2080 psi. Calc flush: 5164 gal. Actual flush: 4624 gal.

03/13/07 4864-4902' **Frac C sands as follows:**
 95479# 20/40 sand in 684 bbls Lightning 17 frac fluid. Treated @ avg press of 1795 psi w/avg rate of 25.2 BPM. ISIP 2133 psi. Calc flush: 4900 gal. Actual flush: 4364 gal.

03/13/07 4725-4735' **Frac D1 sands as follows:**
 45323# 20/40 sand in 377 bbls Lightning 17 frac fluid. Treated @ avg press of 1834 psi w/avg rate of 25.2 BPM. ISIP 2100 psi. Calc flush: 4733 gal. Actual flush: 4204 gal.

03/13/07 4472-4503' **Frac PB10, PB11 sands as follows:**
 22086# 20/40 sand in 270 bbls Lightning 17 frac fluid. Treated @ avg press of 2550 psi w/avg rate of 25.3 BPM. ISIP 2425 psi. Calc flush: 4501 gal. Actual flush: 4368 gal.

11/12/13 **Convert to Injection Well**
 11/13/13 **Conversion MIT Finalized - update tbg detail**

PERFORATION RECORD

Date	Depth Range	Tool	Holes
03/01/07	5631-5639'	4 JSPF	32 holes
03/13/07	5158-5166'	4 JSPF	32 holes
03/13/07	5128-5133'	4 JSPF	20 holes
03/13/07	4894-4902'	4 JSPF	32 holes
03/13/07	4864-4876'	4 JSPF	48 holes
03/13/07	4725-4735'	4 JSPF	40 holes
03/13/07	4497-4503'	4 JSPF	24 holes
03/13/07	4472-4478'	4 JSPF	24 holes

NEWFIELD



Federal 16-8-9-16

418' FSL & 629' FEL
 SE/SE Section 8-T9S-R16E
 Duchesne Co, Utah

API #43-013-33061; Lease #UTU-64379

West Point 6-17-9-16

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

Initial Production: 52 BOPD,
 52 MCFD, 14 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

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

PRODUCTION CASING

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

TUBING

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

FRAC JOB

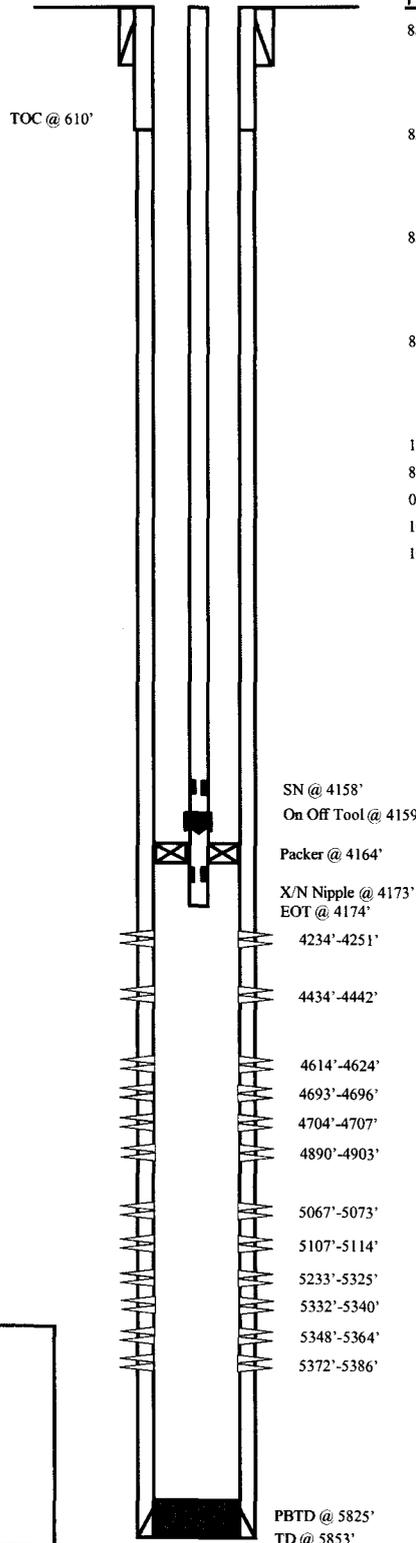
8/05/02 5233'-5386' **Frac LODC sand as follows:**
 199,413# 20/40 sand in 859 bbls Viking I-25
 fluid. Treated @ avg press of 1657 psi w/avg
 rate of 25.5 BPM. ISIP 2250 psi. Calc flush:
 5233 gal. Actual flush: 5166 gal.

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

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

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

10/7/02 **Pump change.** Update rod details.
 8/24/04 **Parted Rods.** Update rod details.
 07/07/05 **Parted Rods.** Update rod and tubing details
 10/25/13 **Convert to Injection Well**
 10/30/13 **Conversion MIT Finalized** - update tbg
 detail



PERFORATION RECORD

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

NEWFIELD

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

Spud Date: 4/1/08
 Put on Production: 6/3/08
 GL: 5881' KB: 5893'

State 4-16-9-16

Injection Wellbore Diagram

SURFACE CASING

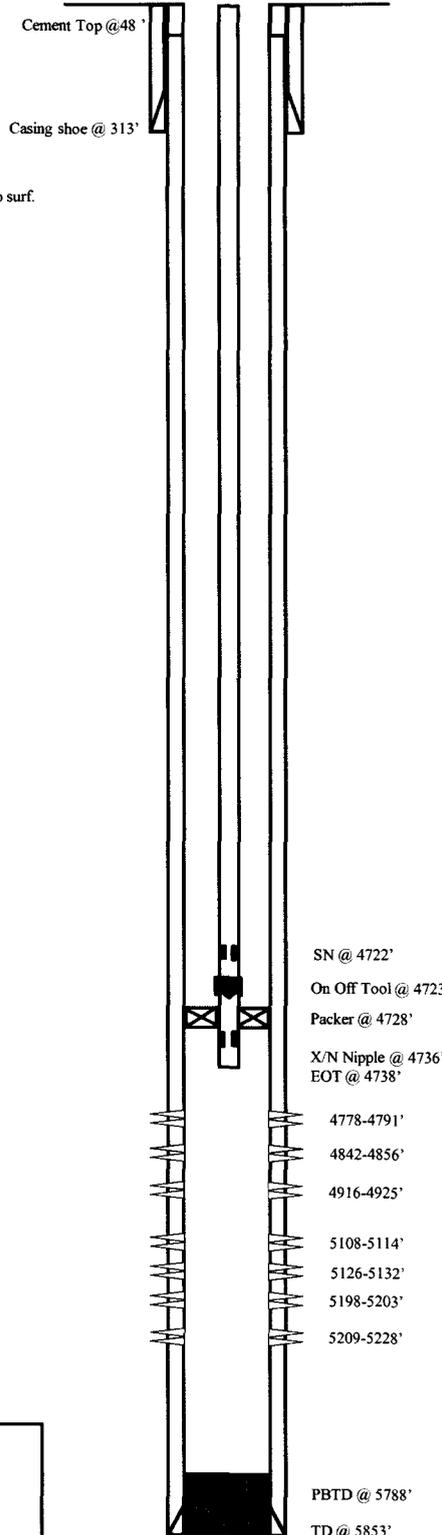
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (300.96')
 DEPTH LANDED: 312.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 158jts 5819.28'
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5832.53'
 CEMENT DATA: 300 sx Premilite II and 400 sx 50/50 Poz
 CEMENT TOP AT: 48'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 150 jts (4709.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4721.9' KB
 ON/OFF TOOL AT: 4723'
 ARROW #1 PACKER CE AT: 4727.62'
 XO 2-3/8 x 2-7/8 J-55 AT: 4731.7'
 TBG PUP 2-3/8 J-55 AT: 4732.2'
 X/N NIPPLE AT: 4736.3'
 TOTAL STRING LENGTH: EOT @ 4737.94'



FRAC JOB

05-28-08 5209-5228' **Frac L ODC sds as follows:** 200,061# 20/40 sand in 1373 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1997 psi w/ ave rate of 27.3 BPM. ISIP 2322 psi. Actual Flush: 4683 gals.

05-28-08 5108-5114' **Frac A1 & A3 sds as follows:** 120,424# 20/40 sand in 868 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1922 psi w/ ave rate of 27.0 BPM. ISIP 2220 psi. Actual Flush: 4616 gals.

05-28-08 4916-4925' **Frac B1 sds as follows:** 54,952# 20/40 sand in 495 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1767 psi w/ ave rate of 23.4 BPM. ISIP 1705 psi. Actual Flush: 4406 gals.

05-28-08 4842-4856' **Frac C sds as follows:** 115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Actual Flush: 4330 gals.

05-28-08 4778-4791' **Frac D3 sds as follows:** 115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Actual Flush: 4679 gals.

3/28/09 **Pump Change.** Updated r & t details.

6/5/09 **Pump Change.** Updated rod & tubing details.

07/02/13 **Convert to Injection Well**

07/03/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

4778-4791'	4 JSPF	52 holes
4842-4856'	4 JSPF	56 holes
4916-4925'	4 JSPF	36 holes
5108-5114'	4 JSPF	24 holes
5126-5132'	4 JSPF	24 holes
5198-5203'	4 JSPF	20 holes
5209-5228'	4 JSPF	76 holes

NEWFIELD



State 4-16-9-16
 660' FNL & 815' FWL
 NW/NW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33848; Lease #Utah State ML-16532

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

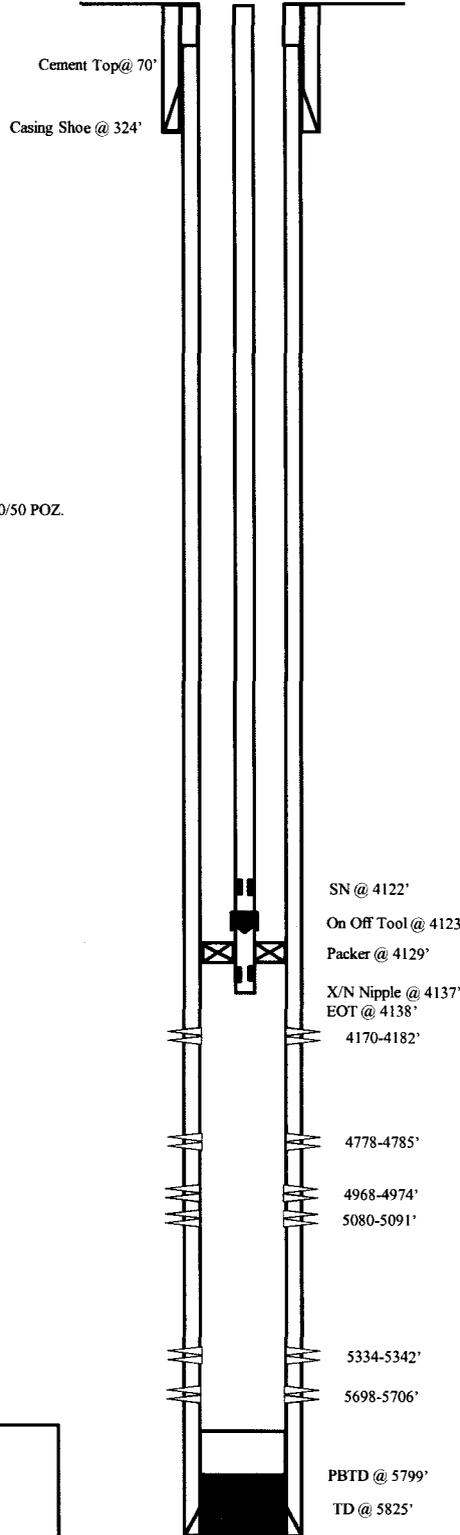
CSG SIZE: 8-7/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.48')
 DEPTH LANDED: 324'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

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: 03-03-08
 Put on Production: 05-12-08
 GL: 5876' KB: 5888'

State 6-16-9-16

Injection Wellbore Diagram

SURFACE CASING

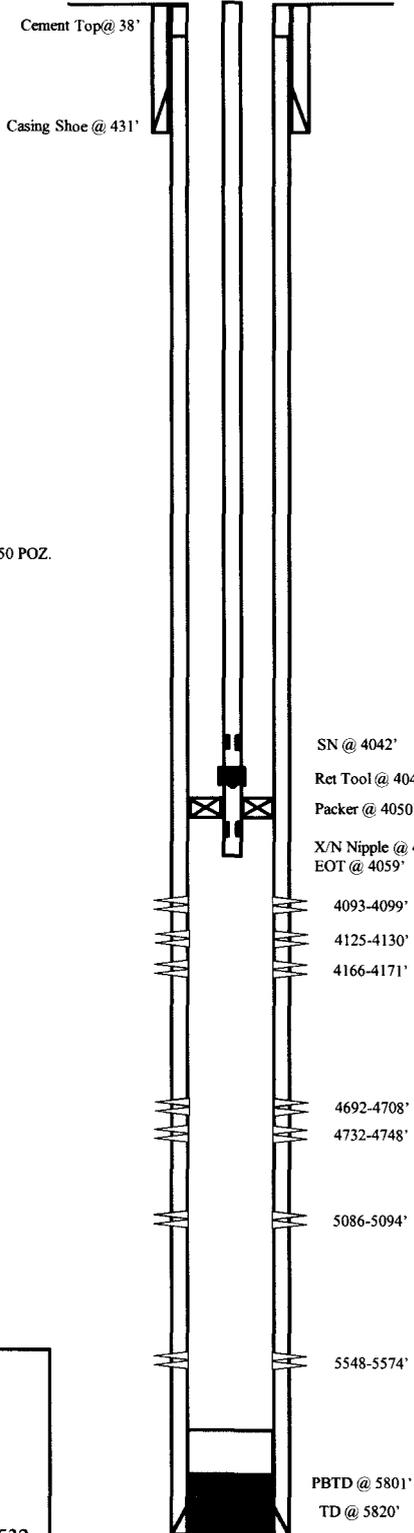
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts. (321.48')
 DEPTH LANDED: 431'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 205 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (5809.35')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.6'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 38'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 133 jts (4030')
 SEATING NIPPLE: 2-7/8" N-80 (1.10')
 SN LANDED AT: 4042' KB
 RET TOOL N-80 AT: 4043.1'
 ARROW #1 PACKER CE AT: 4050.1'
 XO 2-3/8 x 2-7/8 J-55 AT: 4053.1'
 TBG PUP 2-3/8 J-55 AT: 4053.6'
 X/N NIPPLE AT: 4057.7'
 TOTAL STRING LENGTH: EOT @ 4059.27'



FRAC JOB

4-29-08	5548-5574'	Frac CP1 sands as follows: Frac with 125681 #'s of 20/40 sand in 903 bbls of Lightning 17 fluid. Treat at an ave pressure of 1713 psi @ 23.9 BPM. ISIP 2198 psi.
4-29-08	5086-5094'	Frac A1 sands as follows: Frac with 60763 #'s of 20/40 sand in 507 bbls of Lightning 17 fluid. Treat at an ave pressure of 2229 psi @ 23.2 BPM. ISIP 2405psi.
4-29-08	4692-4748'	Frac D3 & D2 sands as follows: Frac with 133141 #'s of 20/40 sand in 962 bbls of Lightning 17 fluid. Treat at an ave pressure of 2005 psi @ 24.6 BPM. ISIP 2005 psi.
4-29-08	4093-4171'	Frac GB4 & GB6 sand as follows: Frac with 43849 #'s of 20/40 sand in 426 bbls of Lightning 17 fluid. Treat at an ave pressure of 1908 psi @ 23.2 BPM. ISIP 1900 psi.
7/14/08		Pump change. Updated tubing and rod detail.
9/9/08		Pump Change. Updated rod & tubing details.
3/23/10		Pump change. Updated rod and tubing detail.
1/26/12		Parted rods. Updated rod and tubing detail.
07/18/13		Convert to Injection Well
07/18/13		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

4093-4099'	4 JSPF	24 holes
4125-4130'	4 JSPF	20 holes
4166-4171'	4 JSPF	20 holes
4692-4708'	4 JSPF	64holes
4732-4748'	4 JSPF	64 holes
5086-5094'	4 JSPF	32 holes
5548-5574'	4 JSPF	104 holes

NEWFIELD

State 6-16-9-16
 1847' FNL & 1974' FWL
 SENW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33850; Lease # Utah State 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

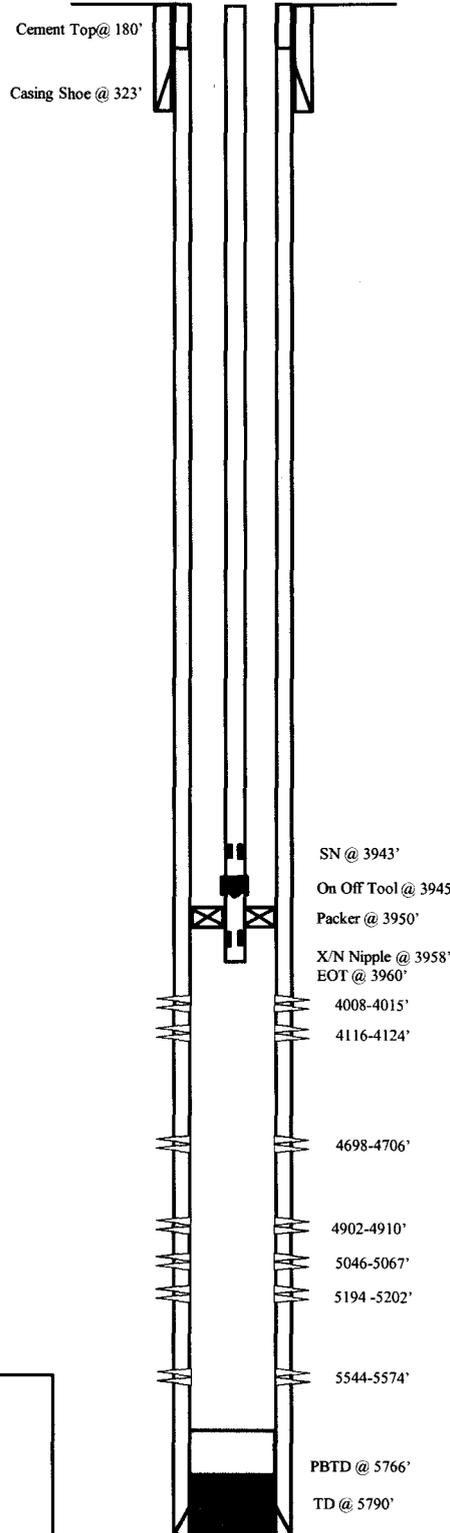
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (313.7')
 DEPTH LANDED: 323'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 160 sx Class 'G' cmf

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

Depth	Count	Type	Holes
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

GMBU C-17-9-16

Spud Date: 5-9-2013
 Put on Production: 6-21-2013
 GL:5925' KB:5935'

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8jts (328')
 DEPTH LANDED: 339'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

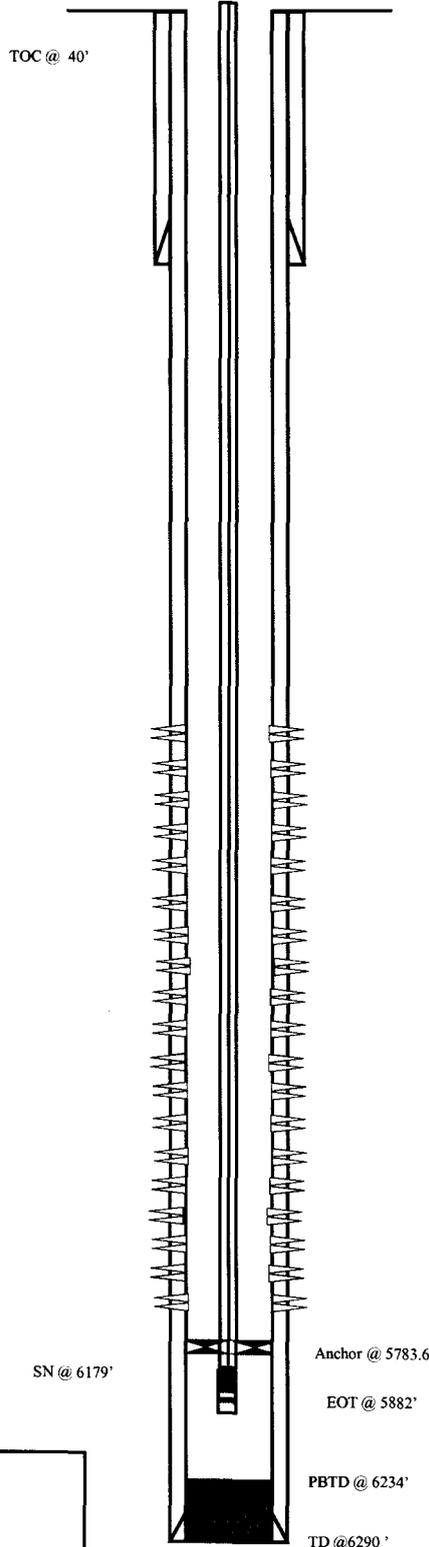
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 144jts (6312.63)
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6290
 CEMENT DATA: 265 sxs Premlite II & 475 sxs 50/50 POZ.
 CEMENT TOP AT: 40'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 184ts (5773.6')
 TUBING ANCHOR: 5783.6'
 NO. OF JOINTS: 1jts (31.4')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5817.8'
 NO. OF JOINTS: 2jt (62.8')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5882.11'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
 SUCKER RODS: 2', 4', 6', 8' x 7/8" Pony Rods, 68 x 7/8"
 4per Guided Rods, 132 x 3/4" 4per Guided Rods, 30 x 7/8"
 8per Guided Rods
 PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC
 STROKE LENGTH: 144"
 PUMP SPEED, SPM: 5
 PUMPING UNIT: DARCO C-640-365-168



Depth	Job ID	Fracturing Details
6-17-13	5810-5778"	Frac CP1 sands as follows: Frac with 54704# 20/40 sand in 400bbbs
6-17-13	5546-5293'	Frac LODC & A1 sands as follows: Frac with 124949# 20/40 sand in 862bbbs
6-17-13	5144-5038'	Frac B2, B1, B.5, C sands as follows: Frac with 47175# 20/40 sand in 482 bbls
6-17-13	4922-4856'	Frac D1, D2 sands as follows: Frac with 24897# 20/40 sand in 304 bbls
6-17-13	4374-4352'	Frac GB6 sands as follows: Frac with 34758# 20/40 sand in 352 bbls

PERFORATION RECORD

5,808.0 - 5,810.0	2 JSPF	4 Shots
5,801.0 - 5,802.0	2 JSPF	2 Shots
5,795.0 - 5,796.0	2 JSPF	2 Shots
5,776.0 - 5,778.0	2 JSPF	4 Shots
5,778.0 - 5,780.0	2 JSPF	4 Shots
5,544.0 - 5,546.0	2 JSPF	4 Shots
5,528.0 - 5,530.0	2 JSPF	4 Shots
5,511.0 - 5,512.0	2 JSPF	2 Shots
5,499.0 - 5,500.0	2 JSPF	2 Shots
5,481.0 - 5,482.0	2 JSPF	2 Shots
5,310.0 - 5,312.0	2 JSPF	4 Shots
5,293.0 - 5,294.0	2 JSPF	2 Shots
5,141.0 - 5,144.0	2 JSPF	6 Shots
5,107.0 - 5,110.0	2 JSPF	6 Shots
5,089.0 - 5,091.0	2 JSPF	4 Shots
5,038.0 - 5,040.0	2 JSPF	4 Shots
4,918.0 - 4,922.0	2 JSPF	8 Shots
4,856.0 - 4,858.0	2 JSPF	4 Shots
4,372.0 - 4,374.0	2 JSPF	4 Shots
4,364.0 - 4,366.0	2 JSPF	4 Shots
4,352.0 - 4,354.0	2 JSPF	4 Shots

NEWFIELD



GMBU C-17-9-16
 704' FSL & 1929' FEL (SW/SE)
 Section 8, T9S, R16E
 Duchesne Co, Utah
 API # 43-013-51589; EDA:

Well Name: GMBU H-17-9-16

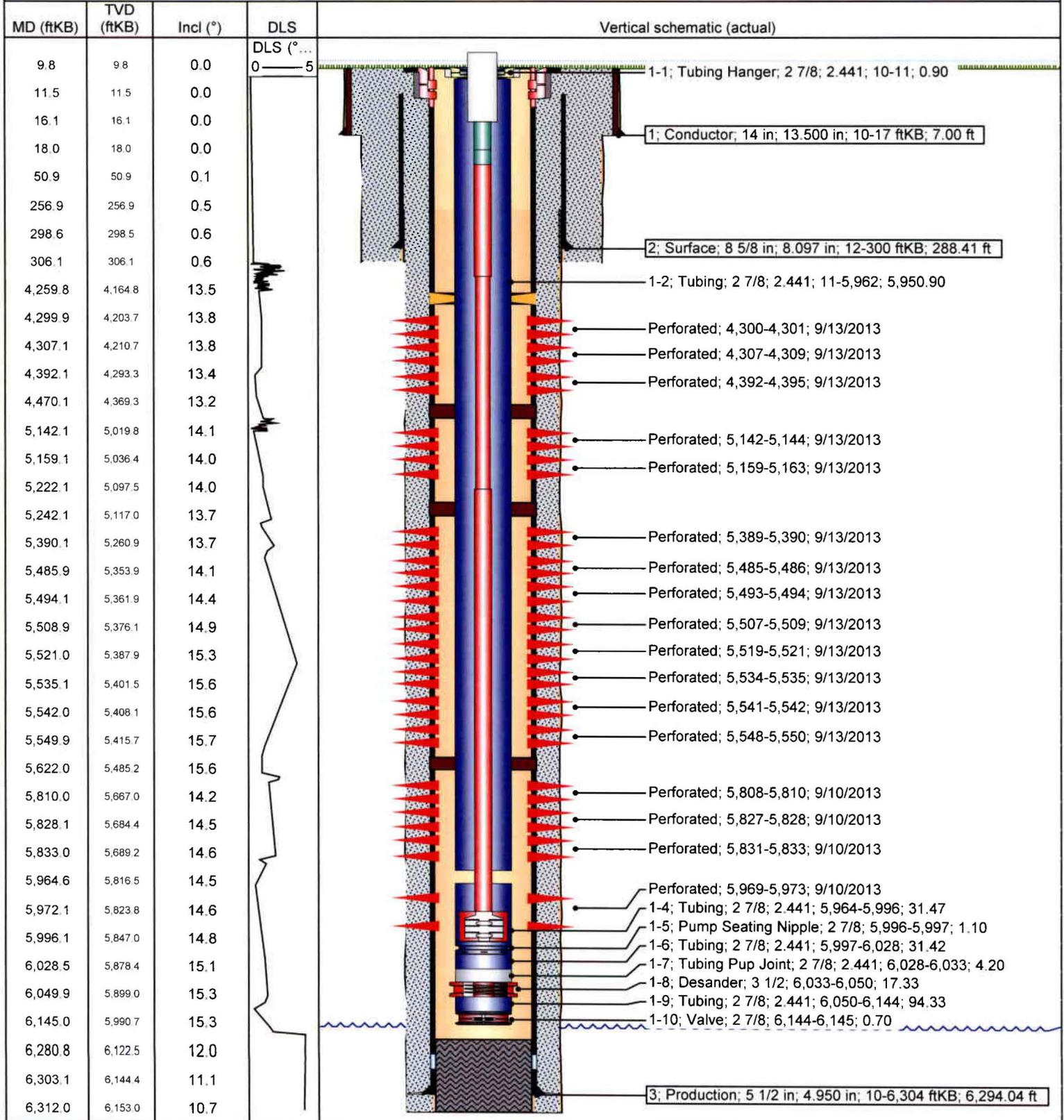
Surface Legal Location SEW 1944 FNL 2044 FWL Sec 17 T9S R16E Mer SLB			API/UWI 43013515730000	Well RC 500335149	Lease UTU74390	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 8/17/2013	Rig Release Date 9/6/2013	On Production Date 10/4/2013	Original KB Elevation (ft) 6,016	Ground Elevation (ft) 6,006	Total Depth All (TVD) (ftKB) Original Hole - 6,153.0		PBD (All) (ftKB) Original Hole - 6,281.0	

Most Recent Job

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

Slant - Original Hole, 6/3/2014 7:14:30 AM



Well Name: GMBU J-17-9-16

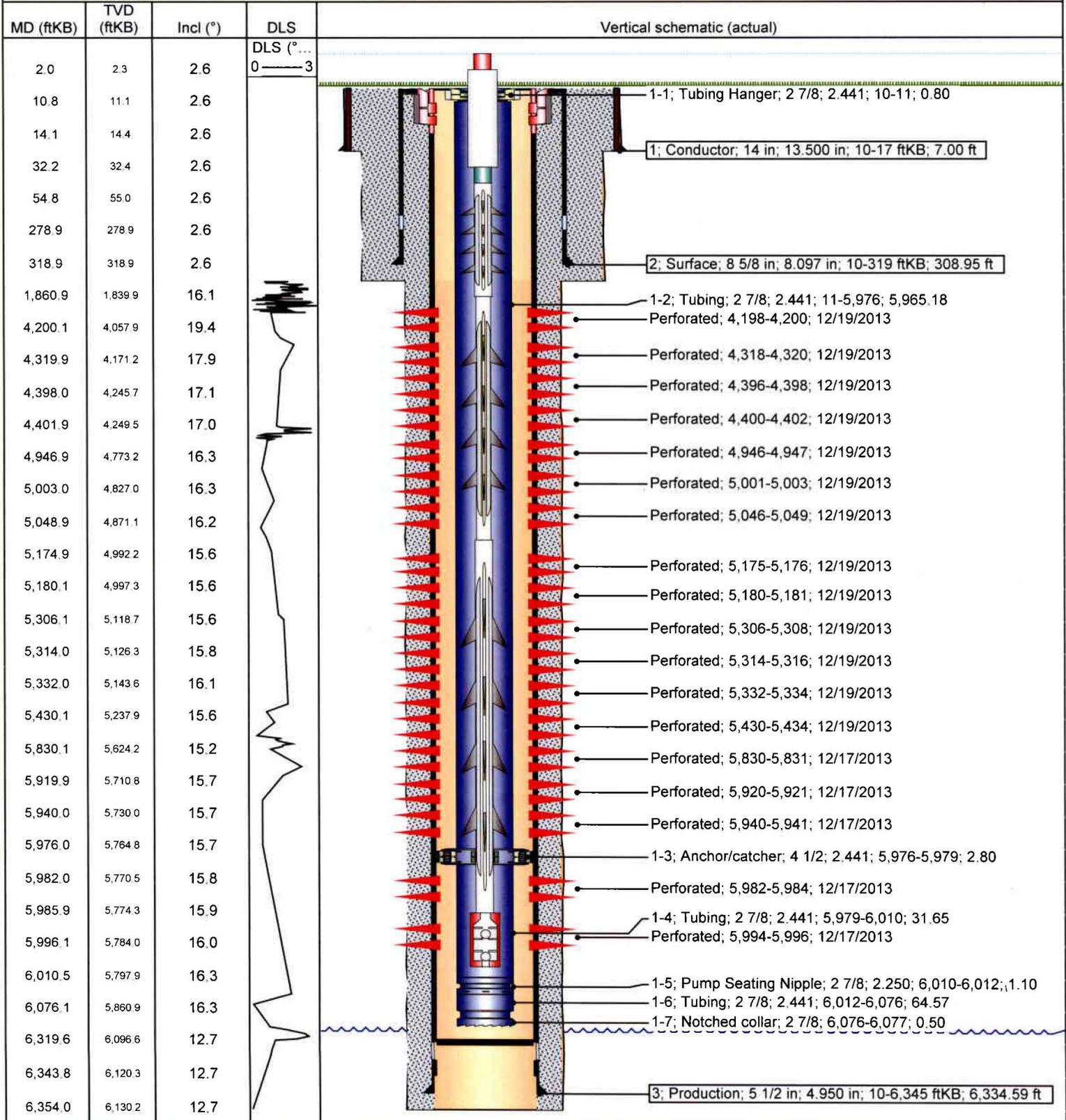
Surface Legal Location SWNW 2100 FNL 750 FWL Sec 16 T9S R16E Mer SLB		API/UWI 43013515870000	Well RC 500343109	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 11/6/2013	Rig Release Date 11/27/2013	On Production Date	Original KB Elevation (ft) 5,931	Ground Elevation (ft) 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, 6/3/2014 7:16:58 AM



Well Name: GMBU G-16-9-16

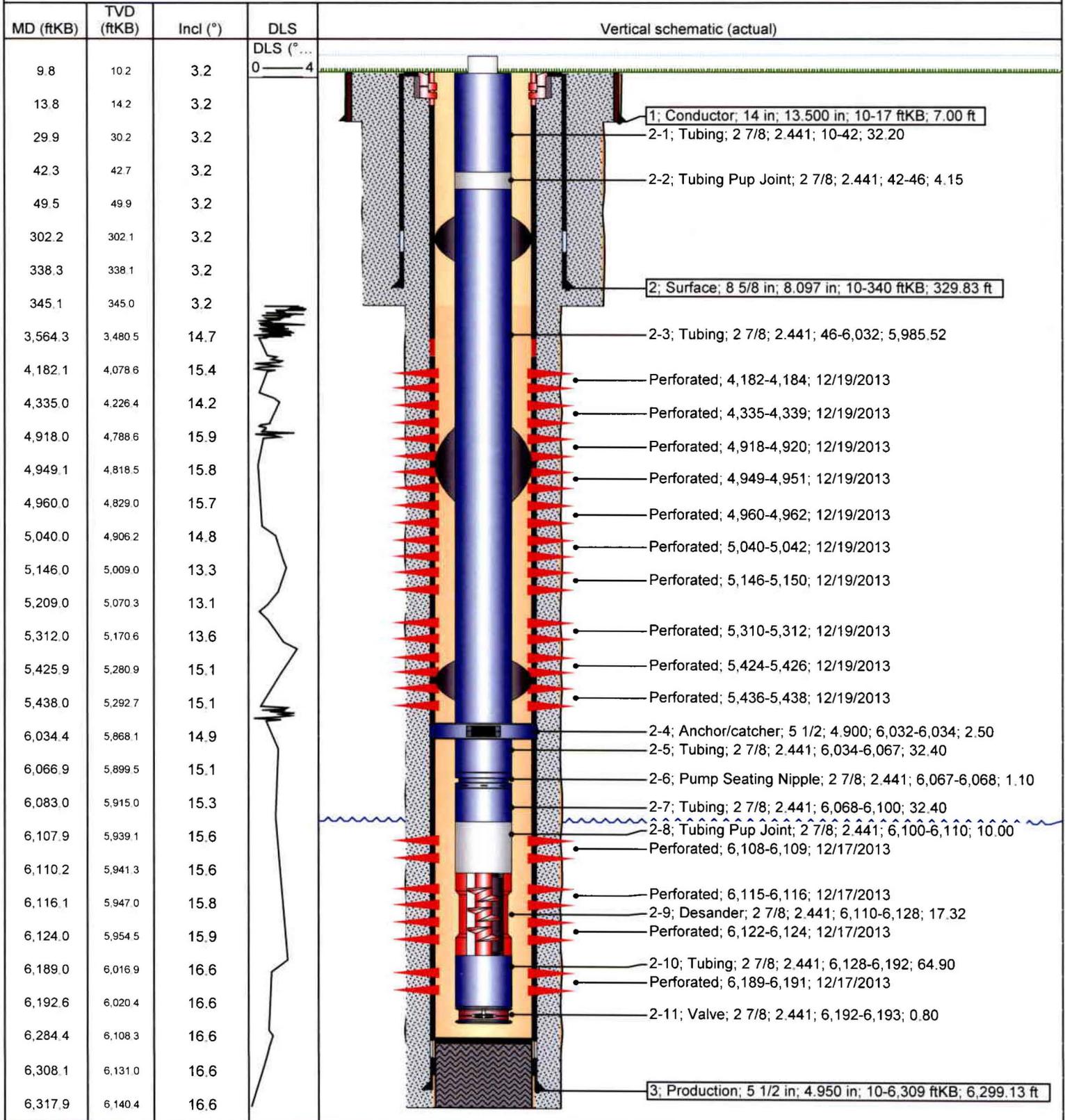
Surface Legal Location SWNW 2081 FNL 759 FWL Sec 16 T9S R16E		API/UWI 43013514480000	Well RC 500343049	Lease ML-16532	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 11/5/2013	Rig Release Date 11/23/2013	On Production Date	Original KB Elevation (ft) 5,931	Ground Elevation (ft) 5,921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

Most Recent Job

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Pump Repair	Job Start Date 3/10/2014	Job End Date 3/12/2014
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TD: 6,318.0

Slant - Original Hole, 6/3/2014 7:26:04 AM



Well Name: GMBU N-16-9-16

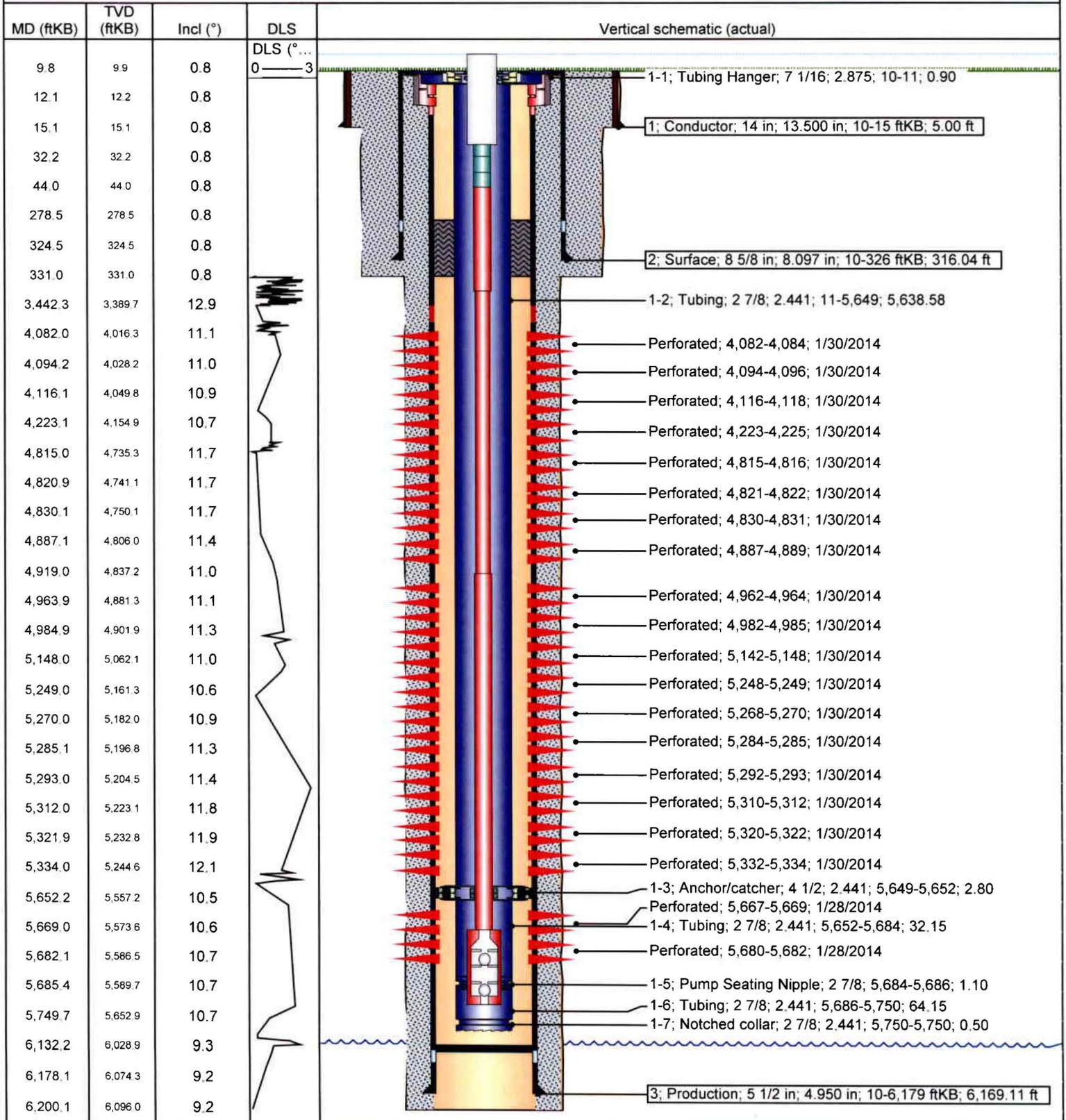
Surface Legal Location NESW 2111 FSL 1881 FWL Sec 16 R9S R16E		API/UWI 43013514470000	Well RC 500343051	Lease ML-16532	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/19/2013	Rig Release Date 1/12/2014	On Production Date	Original KB Elevation (ft) 5,912	Ground Elevation (ft) 5,902	Total Depth All (TVD) (ftKB) Original Hole - 6,095.8	PBD (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, 6/3/2014 7:27:50 AM



Well Name: GMBU Q-16-9-16

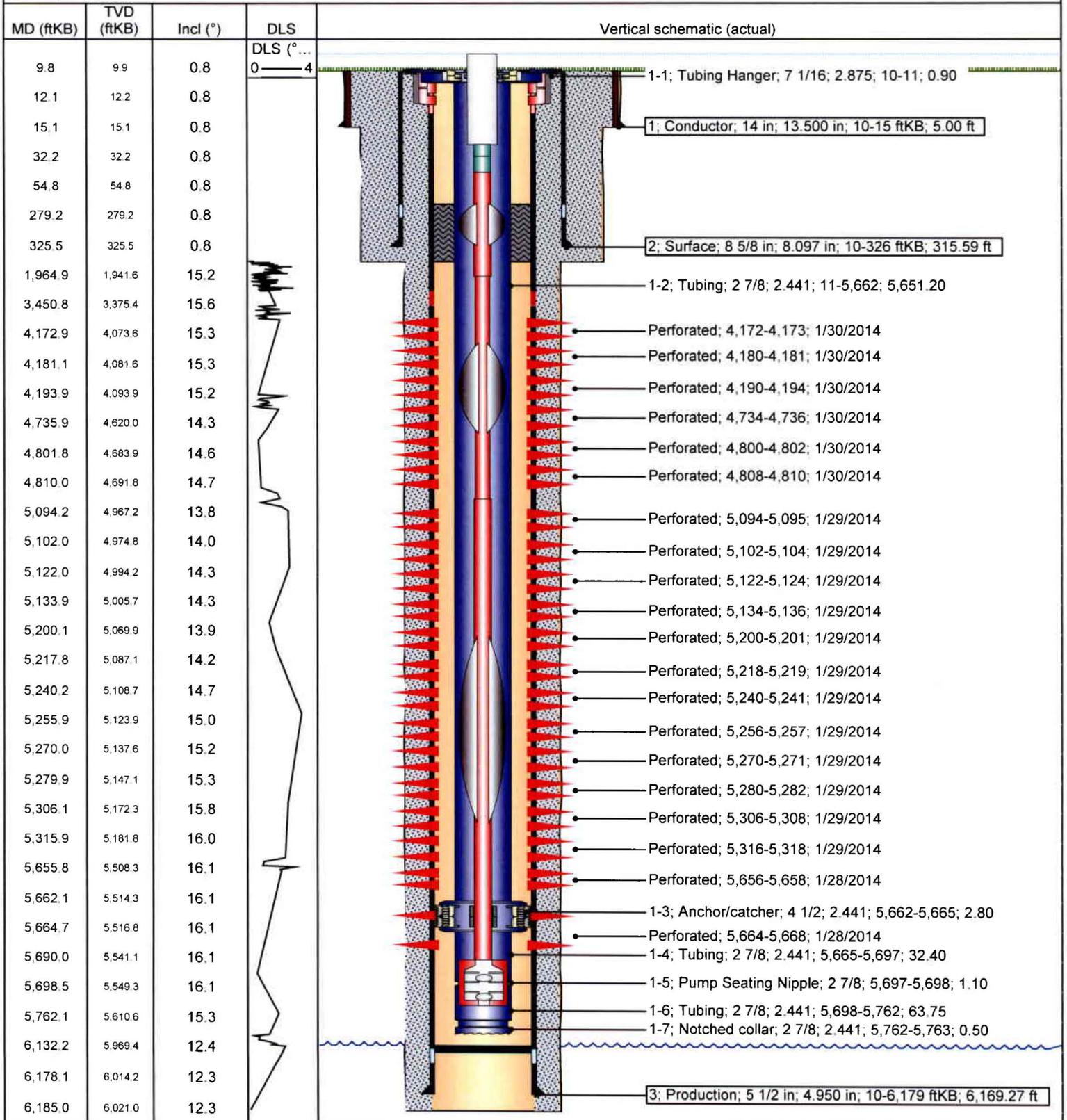
Surface Legal Location NESW 2096 FSL 1866 FWL Sec 16 T9S R16E		API/UWI 43013514490000	Well RC 500343119	Lease ML-16532	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/20/2013	Rig Release Date 1/15/2014	On Production Date	Original KB Elevation (ft) 5,912	Ground Elevation (ft) 5,902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

Most Recent Job

Job Category Production / Workover	Primary Job Type Repairs	Secondary Job Type Tubing Repair	Job Start Date 5/22/2014	Job End Date 5/22/2014
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TD: 6,185.0

Slant - Original Hole, 6/3/2014 7:29:33 AM



43-013-50441

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



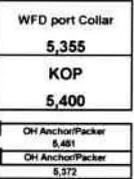
Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bb/ft	Hole	TOC
8-5/8" Casing Shoe 1,025	Surface	8-5/8"	24#	J-55	LTC	0	1,025						Surface
	Production	5-1/2"	17#	M-80	LTC		7,740	7,020	4,892	4,767	0.0233	7-7/8"	Port Collar
	Production	4-1/2"	11.6#	P-110	LTC	5,993 TVD	10,249 6,011	7,774 8,510	4,000	3,875	0.0155	6-1/8"	5,654' md to Surface

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)								

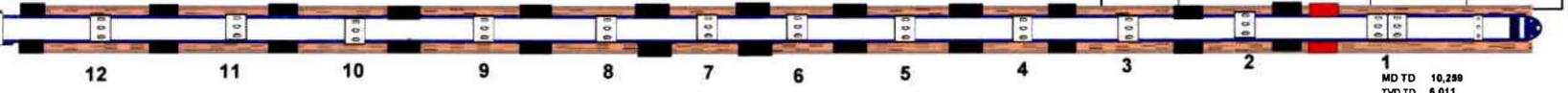
WELLBORE FLUIDS
 Lateral section fluid= +8.4 ppg "clean" brine

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)
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 (bbl) 204.33	Actual Vol. (bbbl) NA	Difference (bbbl) NA	Ball Action (AP)	100 mesh sand 0 30/50 mesh sand 0	1,903
OH Anchor/Packer	10,080	10,087	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Mechanical Packer 1	10,002	10,007	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Stage 2	9,682	10,002	FracPort 2:	Depth 9,841	Ball OD (in.) 2.125	Seat ID (in.) 2,900	Vol. to Seat (bbl) 199.39	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 34,144 30/50 mesh sand 30,780	2,342
Mechanical Packer 2	9,677	9,682	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Stage 3	9,914	9,677	FracPort 3:	Depth 9,517	Ball OD (in.) 2.250	Seat ID (in.) 2,125	Vol. to Seat (bbl) 194.37	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 38,389 30/50 mesh sand 18,835	2,775
Mechanical Packer 3	9,354	9,359	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Stage 4	9,035	9,354	FracPort 4:	Depth 9,193	Ball OD (in.) 2.375	Seat ID (in.) 2,250	Vol. to Seat (bbl) 189.38	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 7,548 30/50 mesh sand 0	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 2,265psi)									
Stage 5	8,710	9,030	FracPort 5:	Depth 8,869	Ball OD (in.) 2.500	Seat ID (in.) 2,375	Vol. to Seat (bbl) 184.35	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 28,177 30/50 mesh sand 36,211	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 2,265psi)									
Stage 6	8,386	8,705	FracPort 6:	Depth 8,544	Ball OD (in.) 2.625	Seat ID (in.) 2,500	Vol. to Seat (bbl) 179.32	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 37,277 30/50 mesh sand 30,591	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 2,265psi)									
Stage 7	8,066	8,381	FracPort 7:	Depth 8,220	Ball OD (in.) 2.750	Seat ID (in.) 2,625	Vol. to Seat (bbl) 174.30	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 32,229 30/50 mesh sand 21,643	2,784
Mechanical Packer 7	8,061	8,066	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Stage 8	7,743	8,061	FracPort 8:	Depth 7,901	Ball OD (in.) 2.875	Seat ID (in.) 2,750	Vol. to Seat (bbl) 169.37	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 35,078 30/50 mesh sand 30,420	3,708
Mechanical Packer 8	7,738	7,743	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Stage 9	7,418	7,738	FracPort 9:	Depth 7,577	Ball OD (in.) 3.000	Seat ID (in.) 2,875	Vol. to Seat (bbl) 164.35	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 30,308 30/50 mesh sand 14,314	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 2,265psi)									
Stage 10	6,768	7,413	FracPort 10:	Depth 7,252	Ball OD (in.) 3.125	Seat ID (in.) 3,000	Vol. to Seat (bbl) 159.32	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 25,505 30/50 mesh sand 3,467	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 2,265psi)									
Stage 11	6,768	7,088	FracPort 11:	Depth 6,927	Ball OD (in.) 3.250	Seat ID (in.) 3,125	Vol. to Seat (bbl) 169.37	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 37,964 30/50 mesh sand 36,949	2,804
Mechanical Packer 11	6,763	6,768	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,265psi)									
Stage 12	6,445	6,763	FracPort 11:	Depth 6,301	Ball OD (in.) 3.375	Seat ID (in.) 3,250	Vol. to Seat (bbl) 159.32	Actual Vol. (bbbl) 0.00	Difference (bbbl) 0.00	Ball Action (AP)	100 mesh sand 31,284 30/50 mesh sand 21,198	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 2,265psi)									
OH Anchor/Packer	5,451	5,456	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,048psi)									Total Fluid 34,458
Rockseal II Packer	5,372	5,377	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,048psi)									(bbbl)
Lat Length		3,804								Sand Total	100 mesh sand 335,921	
Total Stim. Lateral		3,804								30/50 mesh sand	244,386	
Avg. Stage Length		317	*between packers							# sand per foot of lateral	153	

5.0" MS X 5,993



MD TD 10,289
TVD TD 6,011

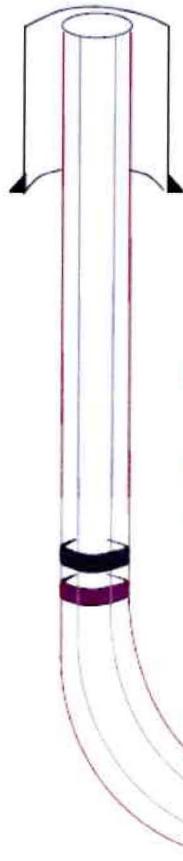
43-013-50441



Company: Newfield Exploration
Well #: GMB 3-16-9-16H

Liner Length: 10,249'
Liner: 5-1/2" 17# / 4-1/2" 11.6# M/N80 LTC
Top Packer: 9-5/8" x 5-1/2" RockSeal II / IIS
Set @ 5,372'

FINAL COMPLETION



Casing	Start	End	FTG
8-5/8" 24# J55 LTC	0'	1,025'	1,025'
Liner	Start	End	FTG
5-1/2" 17# M80	0'	5,993'	5,993'
4-1/2" 11.6# N80	5,993'	10,249'	4,256'

RockSeal Packers @

ANCH	10,080'	PKR 8	7,738'
PKR 1	10,002'	PKR 9	7,413'
PKR 2	9,677'	PKR 10	7,088'
PKR 3	9,354'	PKR 11	6,763'
PKR 4	9,030'	PKR 12	6,438'
PKR 5	8,705'		
PKR 6	8,381'	ANCH	5,451'
PKR 7	8,061'	PKR 13	5,372'

Marker Joint 4,743'

KOP @ 5,400'

Port Collar 5,355'

Top Packer @ 5,372'

5-1/2"x4-1/2" Crossover @ 5,993'

FracPorts @

DEH	10,160'	2,625	8,220'
2,000	9,841'	2,750	7,901'
2,125	9,517'	2,875	7,577'
2,250	9,193'	3,000	7,252'
2,375	8,869'	3,125	6,927'
2,500	8,544'	3,250	6,601'

Interval Spacing

STG 1	179'	Toe
STG 2	324'	
STG 3	324'	
STG 4	324'	
STG 5	325'	
STG 6	324'	
STG 7	320'	
STG 8	322'	
STG 9	325'	
STG 10	325'	
STG 11	326'	
STG 12	325'	EOB
AVG	324'	

EOB @ 6,039'

In Zone @ 6,400'

TD @ 10,259'

GS @ 10,249'

43-013-51581

Well Name: GMBU N-17-9-16

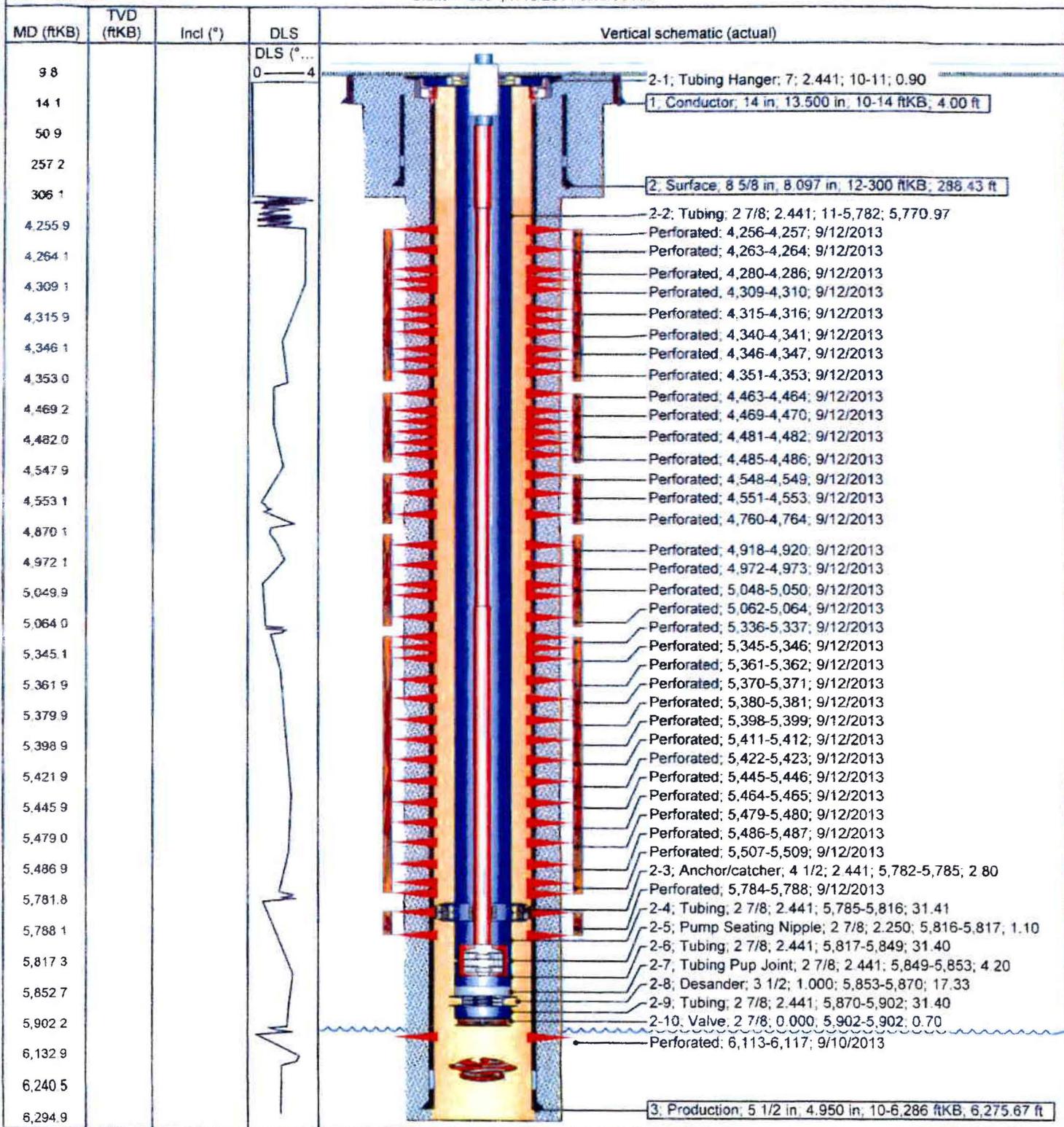
Surface Legal Location SENW 1965 FNL 2048 FWL Sec 17 T9S R16E Mer SLB		API#LWM 43013515810000	Well RC 500335182	Lease UTU74390	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 8/16/2013	Rig Release Date 9/2/2013	On Production Date 10/4/2013	Original KB Elevation (ft) 6,016	Ground Elevation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

Most Recent Job

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

Slant - <des>, 7/15/2014 8:12:36 AM



43-013-52334

Well Name: GMBU X-9-9-16

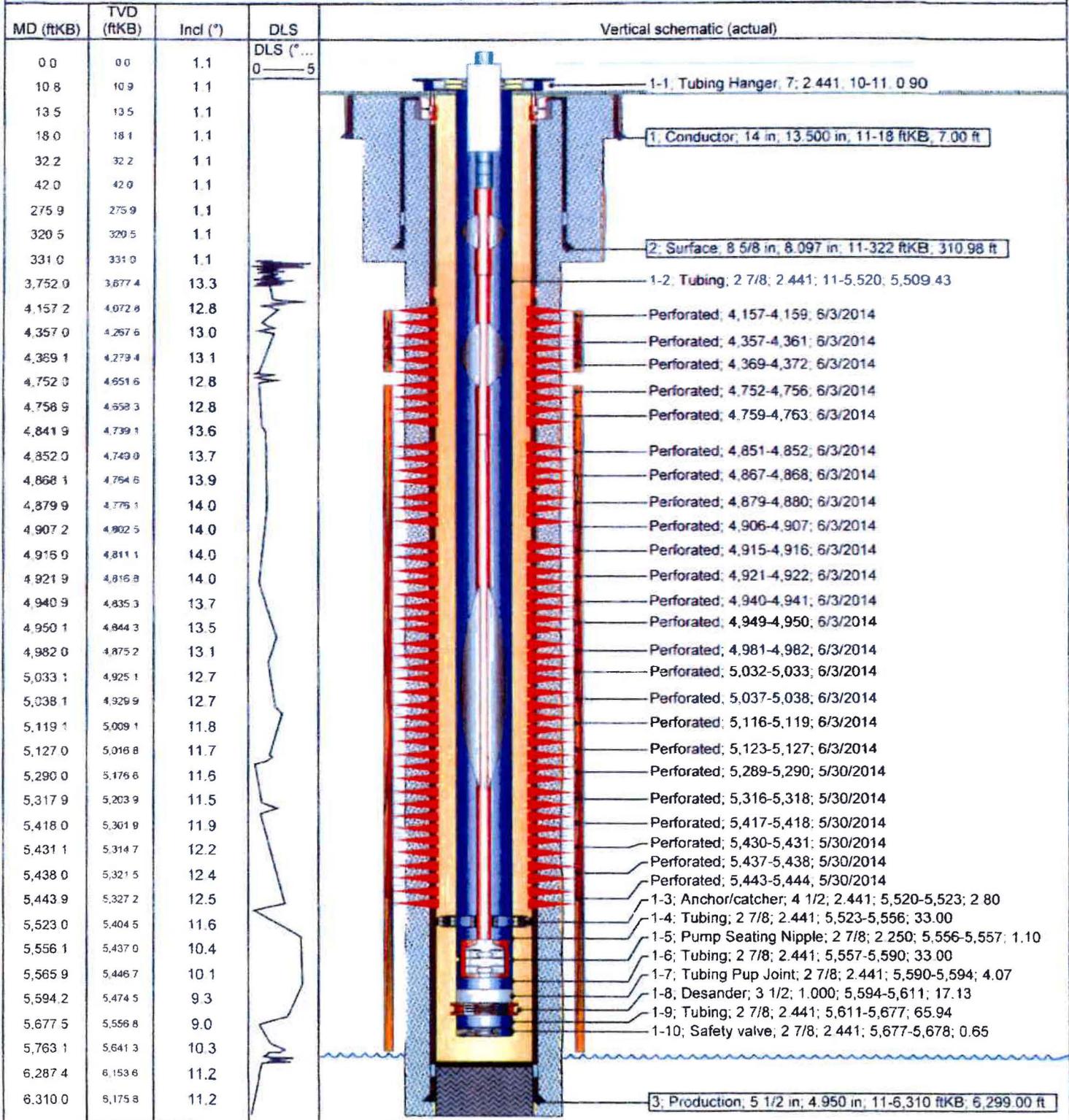
Surface Legal Location NWNW 684' FNL 855' FWL Sec 16 T9S R16E			API/UWI 43013523340000	Well RC 500346545	Lease UTU79831	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 4/23/2014	Rig Release Date 5/16/2014	On Production Date 6/11/2014	Original KB Elevation (ft) 5,889	Ground Elevation (ft) 5,878	Total Depth All (TVD) (ftKB) Original Hole - 6,183.6	PBD (All) (ftKB) Original Hole - 6,285.5		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 5/30/2014	Job End Date 6/10/2014
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TD: 6,318.0

Slant - Original Hole, 7/15/2014 8:10:04 AM



43-013-52336

Well Name: GMBU U-8-9-16

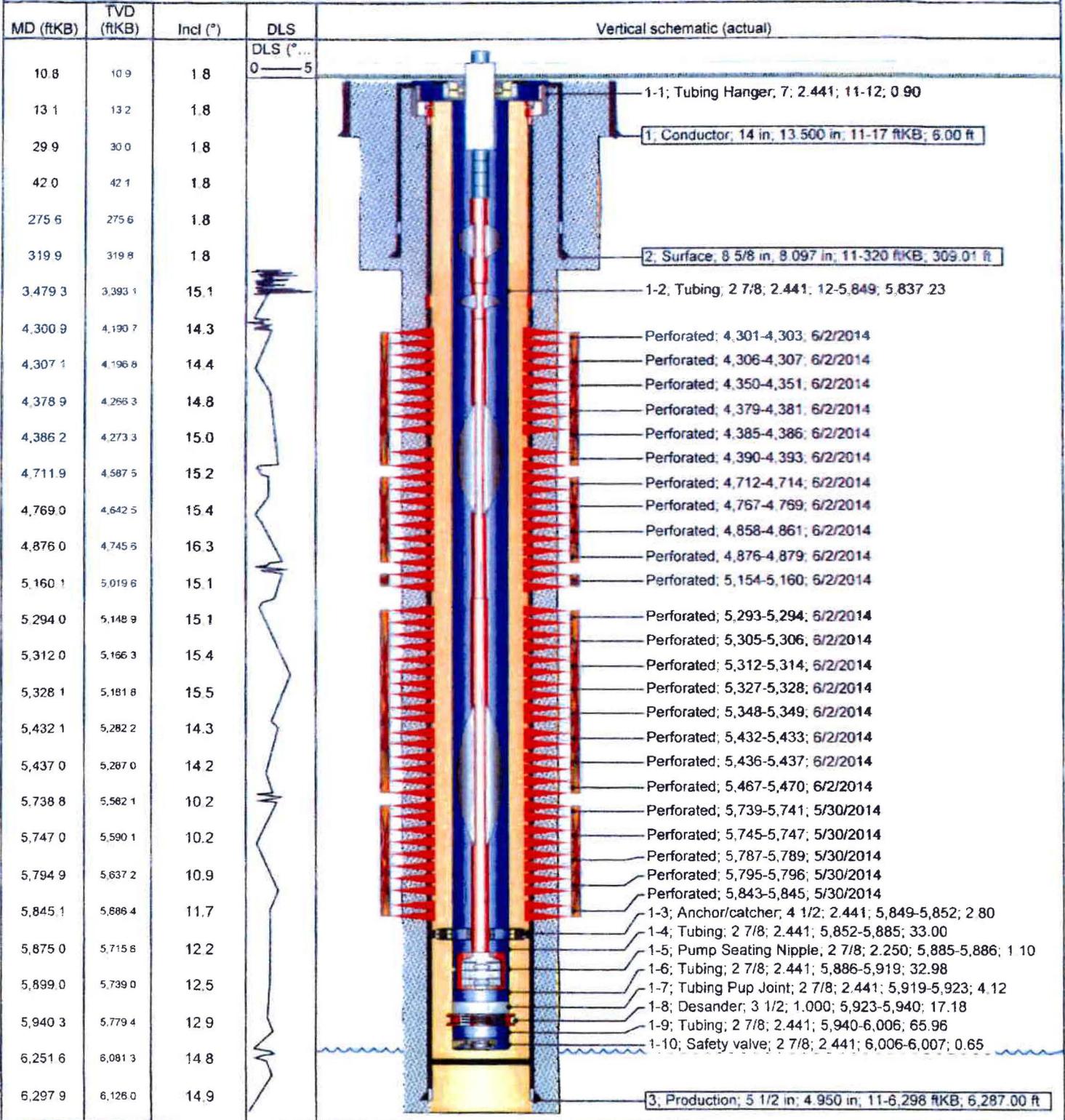
Surface Legal Location NWNW 674' FNL 836' FWL Sec 16 T9S R16E			API/UVI 43013523360000	Well RC 500346538	Lease UTU64379	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 4/22/2014	Rig Release Date 5/11/2014	On Production Date 6/11/2014	Original KB Elevation (ft) 5,889	Ground Elevation (ft) 5,878	Total Depth All (TVD) (ftKB) Original Hole - 6,135.7	PBD (All) (ftKB) Original Hole - 6,251.5		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 5/30/2014	Job End Date 6/6/2014
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TD: 6,308.0

Slant - Original Hole, 7/15/2014 8:11:41 AM



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **FEDERAL 8-17-9-16**

Sample Point:

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

Sample ID: **WA-264548**

Sales Rep: **Pete Prodromides**

Lab Tech: **John Keel**

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:	1/24/2014	Sodium (Na):	9625.00	Chloride (Cl):	13000.00
System Temperature 1 (°F):	120	Potassium (K):	43.00	Sulfate (SO4):	197.00
System Pressure 1 (psig):	60	Magnesium (Mg):	3.00	Bicarbonate (HCO3):	2440.00
System Temperature 2 (°F):	210	Calcium (Ca):	6.00	Carbonate (CO3):	
System Pressure 2 (psig):	60	Strontium (Sr):	4.50	Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.015	Barium (Ba):	4.00	Propionic Acid (C2H5COO)	
pH:	9.50	Iron (Fe):	1.90	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	25324.50	Zinc (Zn):	0.06	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.01	Fluoride (F):	
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.03	Silica (SiO2):	
H2S in Water (mg/L):	5.00				

Notes:

Al=0.03

B=25

Li=1.3

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide		
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	
210.00	60.00	1.68	5.14	0.51	1.64	3.47	1.05	3.06	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	0.03
200.00	60.00	1.64	5.13	0.53	1.68	3.48	1.05	3.03	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.90	0.03
190.00	60.00	1.61	5.12	0.56	1.71	3.49	1.05	2.99	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.01	0.03
180.00	60.00	1.57	5.11	0.58	1.75	3.50	1.05	2.96	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.12	0.03
170.00	60.00	1.54	5.10	0.61	1.80	3.52	1.05	2.92	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.24	0.03
160.00	60.00	1.50	5.09	0.65	1.84	3.54	1.05	2.88	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.03
150.00	60.00	1.47	5.08	0.69	1.89	3.57	1.05	2.84	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50	0.03
140.00	60.00	1.45	5.06	0.74	1.94	3.60	1.05	2.80	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.64	0.03
130.00	60.00	1.42	5.05	0.79	1.99	3.64	1.05	2.75	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.78	0.03
120.00	60.00	1.39	5.04	0.85	2.04	3.69	1.05	2.70	1.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.94	0.03

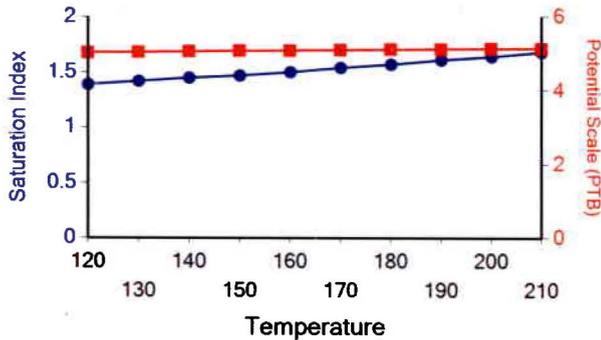
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.04	9.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.59	0.04	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.04	9.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	0.04	9.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.04	9.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.04	10.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.04	10.24	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	1.10	0.04	10.47	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	0.99	0.04	10.72	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	0.88	0.04	10.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00

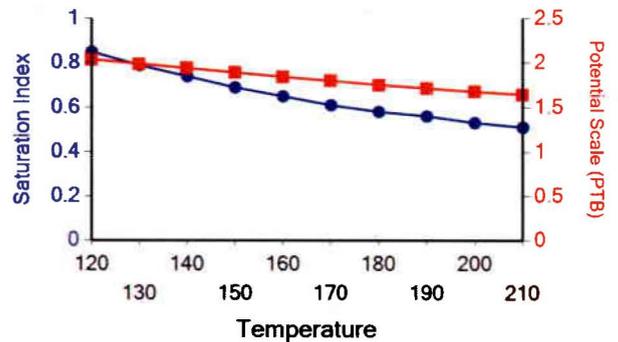
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

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

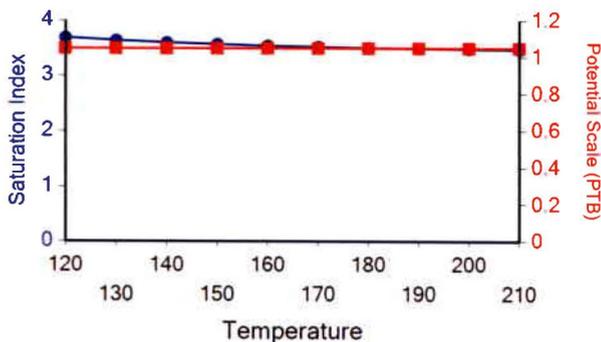
Calcium Carbonate



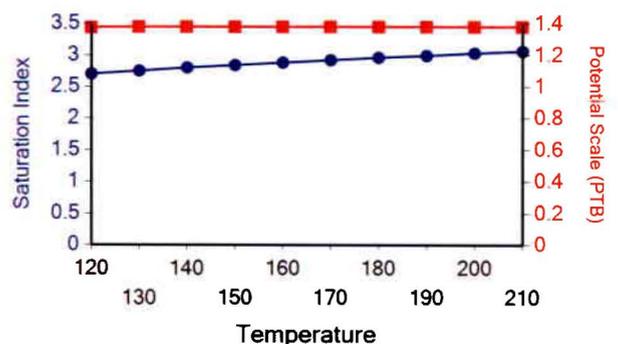
Barium Sulfate



Iron Sulfide

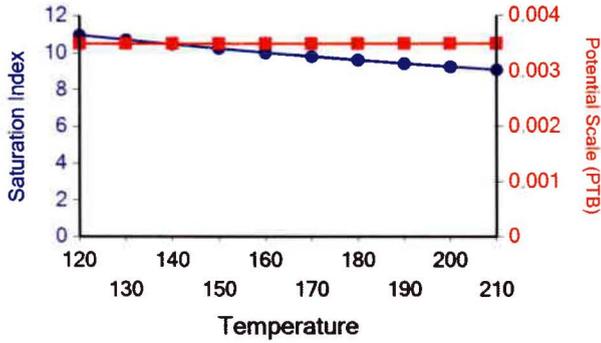


Iron Carbonate

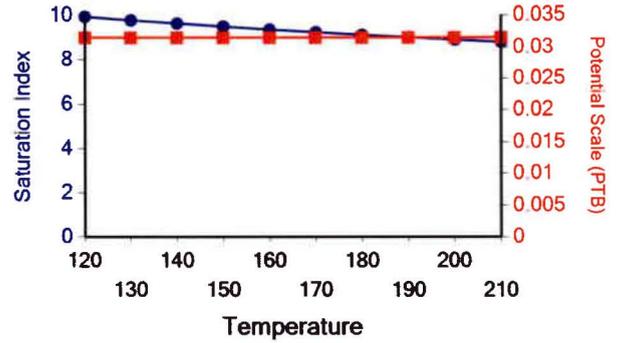


Water Analysis Report

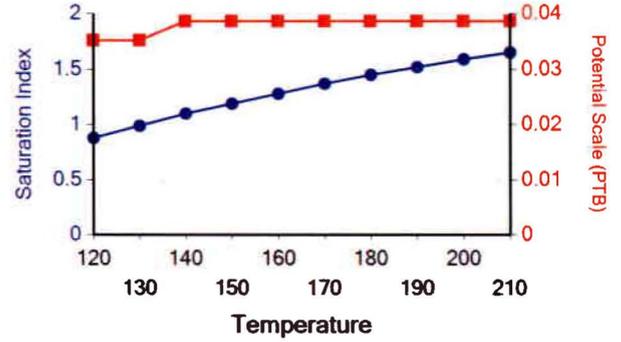
Lead Sulfide



Zinc Sulfide



Zinc Carbonate



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 Al=18 LI=0

(PTB = Pounds per Thousand Barrels)

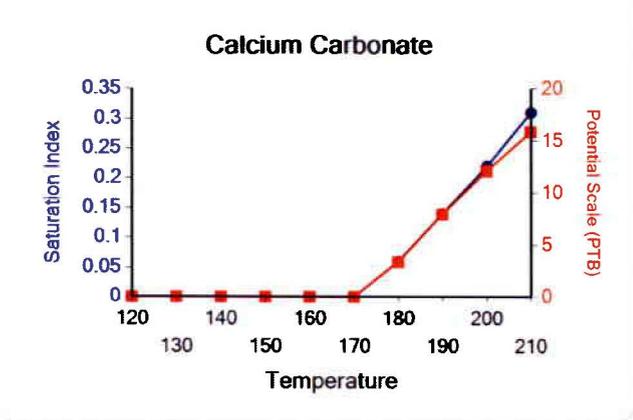
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.31	15.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	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 CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

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



Attachment "G"

**Federal #8-17-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5295	5304	5300	2580	0.92	2546
4710	4721	4716	1960	0.85	1929
4105	4114	4110	1610	0.83	1583
3940	4014	3977	1505	0.81	1479
				Minimum	<u><u>1479</u></u> ←

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

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

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



1 of 9

DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 Report Date: 10/26/2006 Day: 1
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' Prod Csg: 5 1/2" @ 6046' Csg PBTD: 5850' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Includes entry for LODC sds at 5295-5304' with 4/36 SPF/#shots.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 10/25/2006 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 @ 5959' & cement top @ 10' Perforate stage #1, LODC sds @ 5295-5304' w/ 4" Port guns (19 gram, .46"HE. 120°) w/ 4 spf for total of 36 shots 143.5 bbls EWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date:
Fluid lost/recovered today: 143.5 Oil lost/recovered today:
Ending fluid to be recovered: 143.5 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

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

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:



2009

DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 Report Date: 7-Nov-06 Day: 2a
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' Prod Csg: 5 1/2" @ 6046' Csg PBTD: 5850' WL
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Includes entry for LODC sds with values 5295-5304' and 4/36.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 6-Nov-06 SITP: SICIP: 12 psi

Day 2a.

RU BJ Services. 12 psi on well. Frac LODC sds w/ 30,252#'s of 20/40 sand in 392 bbls of Lightning 17 fluid. Broke @ 2637 psi. Treated w/ ave pressure of 3045 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2580 psi. Leave pressure on well. 536 BWTR. See Day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 144 Starting oil rec to date:
Fluid lost/recovered today: 392 Oil lost/recovered today:
Ending fluid to be recovered: 536 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: LODC sands
1050 gals to breakdown & get crosslink.
3000 gals of pad
2319 gals W/ 1-4 ppg of 20/40 sand
4824 gals W/ 4-6.5 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 4767 gals of slick water

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

Max TP: 3054 Max Rate: 25.6 BPM Total fluid pmpd: 392 bbls
Avg TP: 3045 Avg Rate: 24.8 BPM Total Prop pmpd: 30,252#'s
ISIP: 2580 5 min: 10 min: FG: .92

Completion Supervisor: Orson Barney/Don Dulen DAILY COST: \$0 TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 **Report Date:** 7-Nov-06 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' **Prod Csg:** 5 1/2" @ 6046' **Csg PBTD:** 5850' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 5190'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
A1 sds Not frac'd	<u>5078-5091'</u>	<u>4/52</u>	_____	_____	_____
LODC sds	<u>5295-5304'</u>	<u>4/36</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 6-Nov-06 **SITP:** _____ **SICP:** 2357 psi

Day 2b.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 13' perf gun. Se plug @ 5190'. Perforate A1 sds @ 5078- 91' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 52 shots. RU BJ Services. 2357 psi on well. Pressured up to 4200 psi, Would not breakdown after 11 attempts, Pumpec a total of 9.6 BTF. RU WL & dump bail acid (Tagged sand @ 5041'). RU BJ Services. 2150 psi on well. Pressured up to 4200 psi, Would not breakdown. Decision was made to skip Stage #2. Leave pressure on well. 546 BWTR. See Day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 536 **Starting oil rec to date:** _____
Fluid lost/recovered today: 10 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 546 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: A1 sands

403 gals pumped to try and breakdown.

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

Max TP: _____ **Max Rate:** _____ **Total fluid pmpd:** 9.6 bbls

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

ISIP: _____ **5 min:** _____ **10 min:** _____ **FG:** _____ **DAILY COST:** _____ \$0

Completion Supervisor: Orson Barney/Don Dulen **TOTAL WELL COST:** _____ \$0



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DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 **Report Date:** 7-Nov-06 **Day:** 2c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' **Prod Csg:** 5 1/2" @ 6046' **Csg PBTD:** 5850' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4820'
BP: 5190'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>C sds</u>	<u>4710-4721'</u>	<u>4/44</u>			
<u>A1 sds Not frac'd</u>	<u>5078-5091'</u>	<u>4/52</u>			
<u>LODC sds</u>	<u>5295-5304'</u>	<u>4/36</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 6-Nov-06 **SITP:** _____ **SICP:** 1400 psi

Day 2c.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 13' perf gun. Se plug @ 4820'. Perforate C sds @ 4710- 21' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 44 shots RU BJ Services. 1400 psi on well. Frac C sds w/ 41,525#'s of 20/40 sand in 417 bbls of Lightning 17 fluid. Broke @ 1675 psi. Treated w/ ave pressure of 1996 psi @ ave rate of 25.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 1960 psi. Leave pressure on well. 963 BWTR. See Day 2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 546 **Starting oil rec to date:** _____
Fluid lost/recovered today: 417 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 963 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: C sands

<u>3900 gals of pad</u>		
<u>2856 gals W/ 1-4 ppg of 20/40 sand</u>		
<u>5640 gals W/ 4-6.5 ppg of 20/40 sand</u>		
<u>410 gals W/ 6.5 ppg of 20/40 sand</u>		
<u>Flush W/ 504 gals of 15% HCL acid</u>		
<u>Flush W/ 4204 gals of slick water</u>		

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

Max TP: 2100 **Max Rate:** 25.8 BPM **Total fluid pmpd:** 417 bbls
Avg TP: 1996 **Avg Rate:** 25.1 BPM **Total Prop pmpd:** 41,525#'s
ISIP: 1960 **5 min:** _____ **10 min:** _____ **FG:** .85

Completion Supervisor: Orson Barney/Don Dulen **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 **Report Date:** 7-Nov-06 **Day:** 2d
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' **Prod Csg:** 5 1/2" @ 6046' **Csg PBD:** 5850' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBD:** 4210'
BP: 4820', 5190'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB4 sds	4105-4114'	4/36			
C sds	4710-4721'	4/44			
A1 sds Not frac'd	5078-5091'	4/52			
LODC sds	5295-5304'	4/36			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 6-Nov-06 **SITP:** _____ **SICP:** 1660 psi

Day 2d.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 9' perf gun. Se plug @ 4210'. Perforate GB4 sds @ 4105- 14' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 36 shots. RU BJ Services. 1660 psi on well. Frac GB4 sds w/ 21,385#'s of 20/40 sand in 280 bbls of Lightning 17 fluid Broke @ 3212 psi. Treated w/ ave pressure of 1809 psi @ ave rate of 25.8 BPM. Pumped 504 gals of 15% HCL ir flush for Stage #5. ISIP 1610 psi. Leave pressure on well. 1243 BWTR. See Day 2e.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 963 **Starting oil rec to date:** _____
Fluid lost/recovered today: 280 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1243 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail: GB4 sands
546 gals to breakdown & get crosslink.
3000 gals of pad
1511 gals W/ 1-4 ppg of 20/40 sand
3562 gals W/ 4-6.5 ppg of 20/40 sand
Flush W/ 504 gals of 15% HCL acid
Flush W/ 3637 gals of slick water

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

Max TP: 1985 **Max Rate:** 26.1 BPM **Total fluid pmpd:** 280 bbls
Avg TP: 1809 **Avg Rate:** 25.8 BPM **Total Prop pmpd:** 21,385#'s
ISIP: 1610 **5 min:** _____ **10 min:** _____ **FG:** .83
Completion Supervisor: Orson Barney/Don Dulen **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 **Report Date:** 7-Nov-06 **Day:** 2e
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' **Prod Csg:** 5 1/2" @ 6046' **Csg PBTD:** 5850' WL
Tbg: **Size:** _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4060'
BP: 4210', 4820', 5190'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB2 sds	3940-3949'	4/36	LODC sds	5295-5304'	4/36
GB2 sds	4005-4014'	4/36			
GB4 sds	4105-4114'	4/36			
C sds	4710-4721'	4/44			
A1 sds Not frac'd	5078-5091'	4/52			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 6-Nov-06 **SITP:** _____ **SICP:** 1290 psi

Day 2e.

RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug, 9' & 9' perf gun. Se plug @ 4060'. Perforate GB2 sds @ 4005- 14', 3940- 49' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 72 shots. RU BJ Services. 1290 psi on well. Frac GB2 sds w/ 68,288#'s of 20/40 sand in 591 bbls of Lightning 17 fluid. Broke @ 3900 psi. Treated w/ ave pressure of 1782 psi @ ave rate of 25.3 BPM. ISIP 1505 psi Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 6 hrs & died. Rec est. 360 BTF. SIWFN w/ 1474 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1243 **Starting oil rec to date:** _____
Fluid lost/recovered today: 231 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1474 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

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

Procedure or Equipment detail:	GB2 sands		
7812 gals of pad			
2856 gals W/ 1-4 ppg of 20/40 sand			
5640 gals W/ 4-6.5 ppg of 20/40 sand			
4692 gals W/ 6.5 ppg of 20/40 sand			
Flush W/ 3822 gals of slick water			

Max TP: 1984 **Max Rate:** 25.8 BPM **Total fluid pmpd:** 591 bbls
Avg TP: 1782 **Avg Rate:** 25.3 BPM **Total Prop pmpd:** 68,288#'s
ISIP: 1505 **5 min:** _____ **10 min:** _____ **FG:** .81
Completion Supervisor: Orson Barney/Don Dulen **DAILY COST:** _____ **\$0**
TOTAL WELL COST: _____ **\$0**



DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 Report Date: 8-Nov-06 Day: 3
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' Prod Csg: 5 1/2" @ 6046' Csg PBD: 5850' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 3896' BP/Sand PBD: 4060'
BP: 4210', 4820', 5190'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB2 sds, GB2 sds, GB4 sds, C sds, and A1 sds Not frac'd.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 7-Nov-06 SITP: SICIP: 125 psi

MIRU Western #4. 125 psi on well. Bled off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP Talley, PU & RIH w/ 4 3/4" chomp bit (New), Bit sub & 121 jts of 2 7/8" J-55 tbg. EOT @ 3896'. RU Pump & lines Circulate well clean. Rec 35 bbls of fluid. SIWFN w/ 1439 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1474 Starting oil rec to date:
Fluid lost/recovered today: 35 Oil lost/recovered today:
Ending fluid to be recovered: 1439 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

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

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

Completion Supervisor: Orson Barney

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



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DAILY COMPLETION REPORT

WELL NAME: Federal 8-17-9-16 Report Date: 9-Nov-06 Day: 4
Operation: Completion Rig: Western #4

WELL STATUS

Surf Csg: 8 5/8' @ 322.25' Prod Csg: 5 1/2" @ 6046' Csg PBTD: 5850' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 3896' BP/Sand PBTD: 6025'

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB2 sds, GB2 sds, GB4 sds, C sds, and A1 sds Not frac'd.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8-Nov-06 SITP: SICIP: 200 psi

200 psi on well. PU & RIH w/ 3 jts of tbg. Tagged sand @ 3983'. RU Weatherford pwr swl. Clean out sand & drill out plugs as follows: Sand @ 3983', Plug @ 4060' (Drilled out in 19 mins). Sand @ 4201', Plug @ 4210' (Drilled out in 50 mins). No sand, Plug @ 4820' (Drilled out in 17 mins). Sand @ 5178', Plug @ 5190' (Drilled out in 30 mins). PU & RIH w/ 21 jts of tbg. Tagged fill @ 5866'. C/O to PBTD @ 6025'. RD power swivel. LD 2 jts of tbg. EOT @ 5961' RU swab equipment. IFL @ sfc. Made 11 swab runs. Rec. 134 BTF. FFL @ 1200'. Final oil cut 3%, No sand SIWFN w/ 1305 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1439 Starting oil rec to date:
Fluid lost/recovered today: 134 Oil lost/recovered today:
Ending fluid to be recovered: 1305 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

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

Max TP: Max Rate: Total fluid pmpd:
Avg TP: Avg Rate: Total Prop pmpd:
ISIP: 5 min: 10 min:
Completion Supervisor: Orson Barney
DAILY COST: \$0
TOTAL WELL COST: \$0

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 3890'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 186' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 43 sx Class "G" cement down 5 ½" casing to 373'

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

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

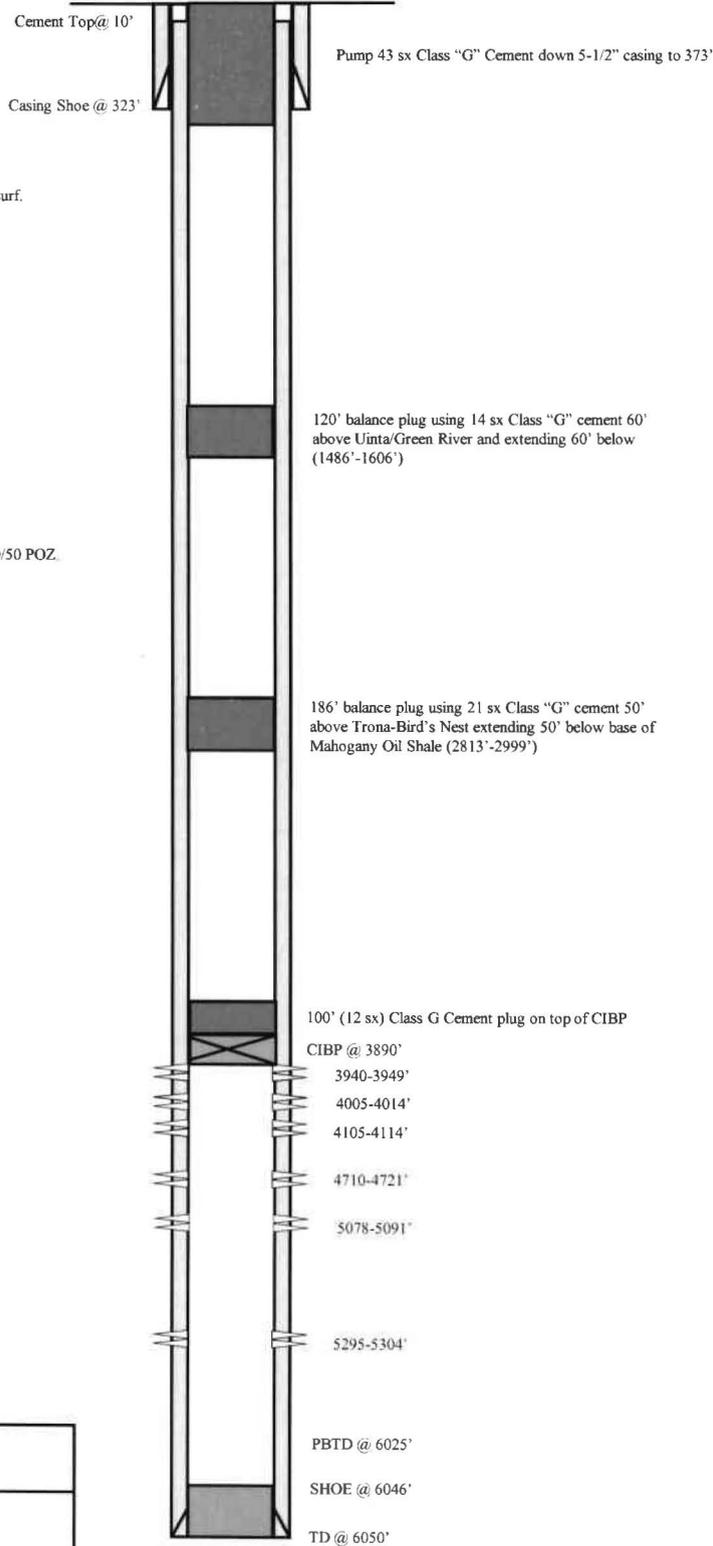
Proposed P & A Wellbore Diagram

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'



 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