

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
ML-16532

APPLICATION FOR PERMIT TO DRILL, DEEPEN

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

1a. TYPE OF WORK **DRILL** **DEEPEN**

7. UNIT AGREEMENT NAME
N/A

1b. TYPE OF WELL

8. FARM OR LEASE NAME
N/A

OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Newfield Production Company

9. WELL NO.
State #4-16-9-16

3. ADDRESS AND TELEPHONE NUMBER:
Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

10. FIELD AND POOL OR WILDCAT
Monument Butte

4. LOCATION OF WELL (FOOTAGE)
 At Surface **NW/NW 660' FNL 815' FWL 40.036309**
 At proposed Producing Zone **574206X 44319394 -110.130229**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NW/NW Sec. 16, T9S, R16E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 21.9 miles southwest of Myton, UT

12. County **Duchesne** 13. STATE **UT**

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
Approx. 660' f/lse line and NA' f/unit line

16. NO. OF ACRES IN LEASE
640.00

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.
Approximately 1175'

19. PROPOSED DEPTH
6500'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5881' GL

22. APPROX. DATE WORK WILL START*
1st Quarter 2008

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290' 400'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

SURFACE PIPE - 155 sx Class G Cement +/- 10%, w/ 2% CaCl2 & 1/4#/sk Cello-flake
 Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H2O Req: 5 gal/sk

LONG STRING - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate
 Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H2O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate
 Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H2O Req: 7.88 gal/sk

24. Name & Signature Mandie Crozier Title: Regulatory Specialist Date: 11/19/2007
Mandie Crozier

(This space for State use only)

API Number Assigned: 43-013-33848 APPROVAL: _____

Approved by the
 Utah Division of
 Oil, Gas and Mining

*See Instructions On Reverse Side

RECEIVED
 NOV 29 2007
 DIV. OF OIL, GAS & MINING

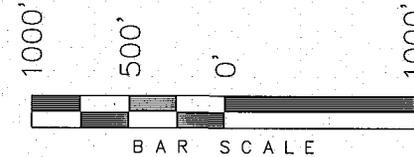
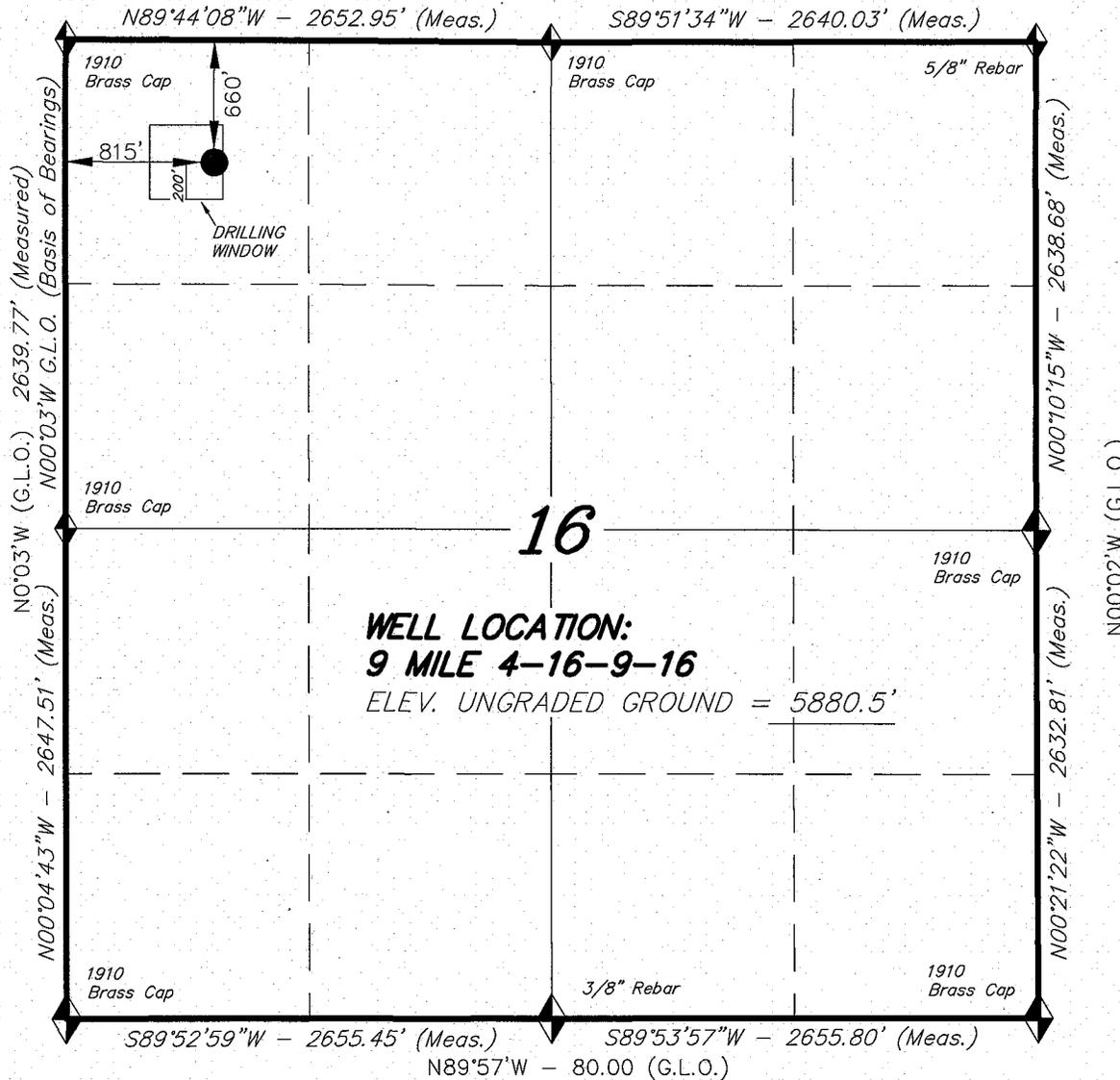
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 By: [Signature]

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

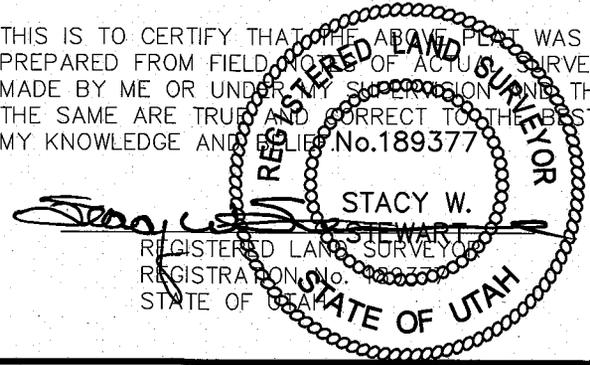
N89°50'W - 80.24 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 4-16-9-16,
LOCATED AS SHOWN IN THE NW 1/4 NW
1/4 OF SECTION 16, 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



TRI STATE LAND SURVEYING & CONSULTING

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

DATE SURVEYED: 10-11-07	SURVEYED BY: C.M.
DATE DRAWN: 10-31-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

9 MILE 4-16-9-16
(Surface Location) NAD 83
LATITUDE = 40° 02' 10.68"
LONGITUDE = 110° 07' 51.04"

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

NEWFIELD PRODUCTION COMPANY
STATE #4-16-9-16
NW/NW SECTION 16, T9S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

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

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at ^{400'}290' (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

A fresh water/polymer system will be utilized to drill the well. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

Surface – 3200’
3200’ – TD’

MUD TYPE

fresh water system
fresh water system

From surface to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ ~~2500~~³⁵⁰⁰ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500’ +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

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; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
STATE #4-16-9-16
NW/NW SECTION 16, T9S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State #4-16-9-16 located in the NW¼ NW¼ Section 16, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.4 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 9.7 miles to its junction with an existing road to the southeast; proceed southeasterly approximately 0.3 miles to its junction with an existing road to the northeast; proceed northeasterly approximately 5.1 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 1.8 miles to its junction with an existing road to the northwest; proceed in a northwesterly direction approximately 1.4 miles to its junction with the beginning of the proposed access road to the south; proceed southerly along the proposed access road approximately 1210'; proceed in a southwesterly direction along the proposed access road approximately 1530' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 2,740' of access road is proposed. See attached **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.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

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.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report is attached. **Refer to Exhibit "D"**.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the State 4-16-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the State 4-16-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

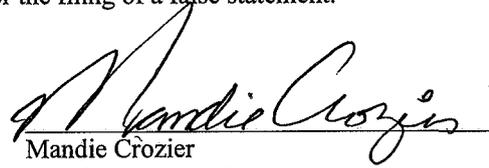
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #4-16-9-16, NW/NW Section 16, T9S, R16E, LEASE #ML-16532, 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 #4471291.

I hereby certify that the proposed drill site 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 the 18 U.S.C. 1001 for the filing of a false statement.

11/19/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

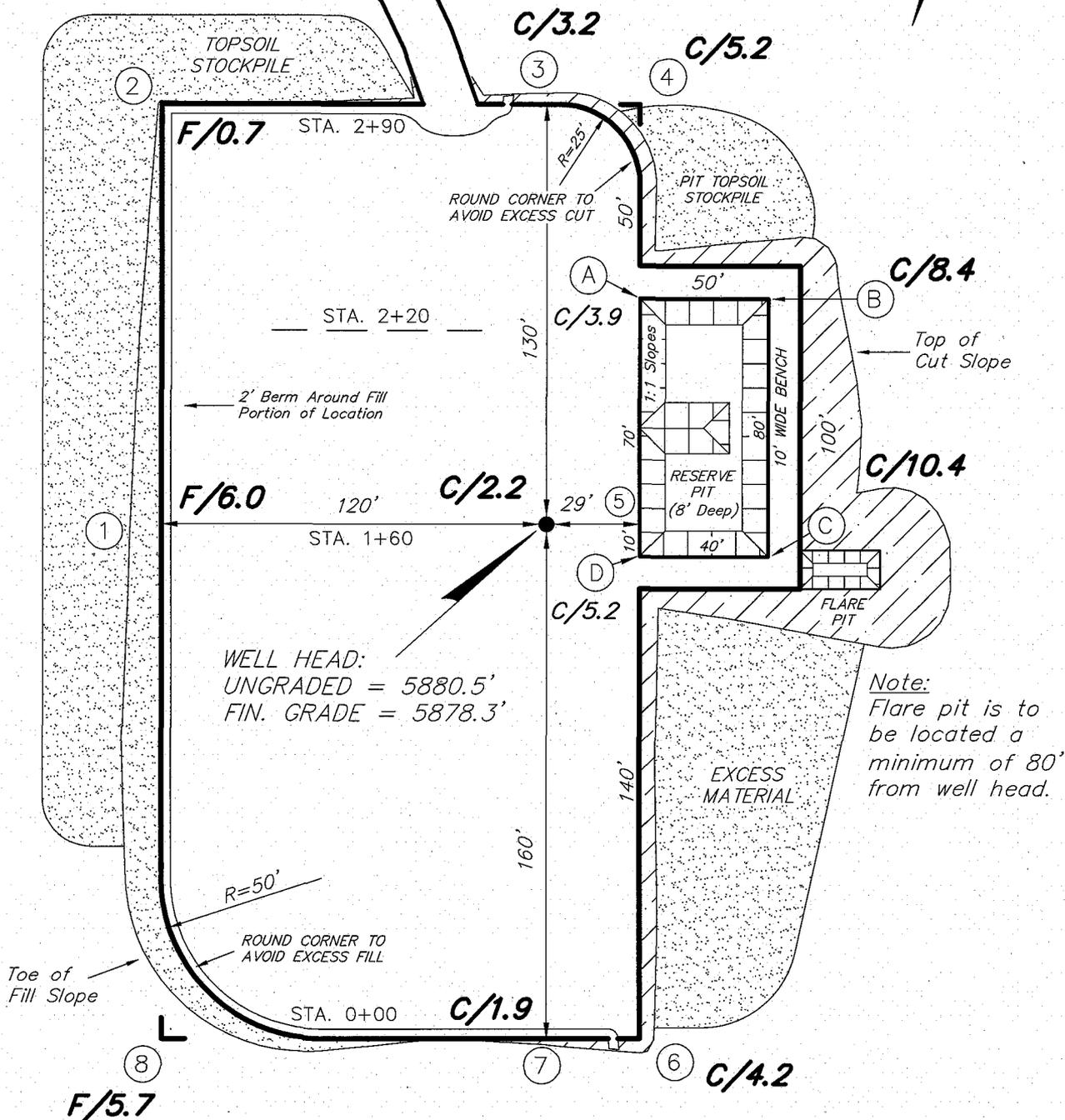
NEWFIELD PRODUCTION COMPANY

9 MILE 4-16-9-16

Section 16, T9S, R16E, S.L.B.&M.



PROPOSED ACCESS ROAD (Max. 6% Grade)



REFERENCE POINTS

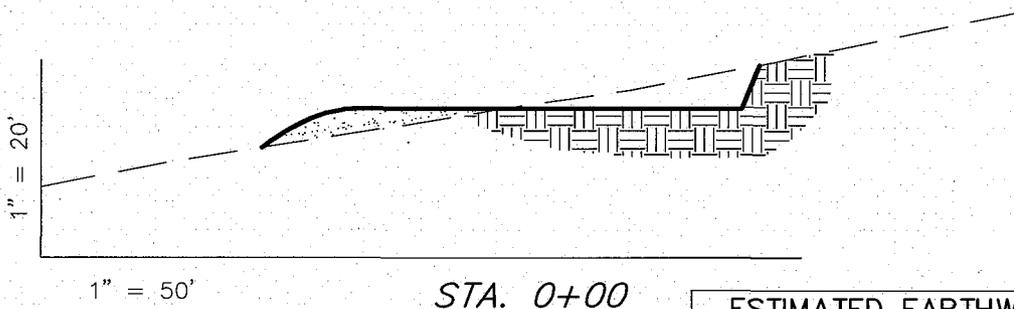
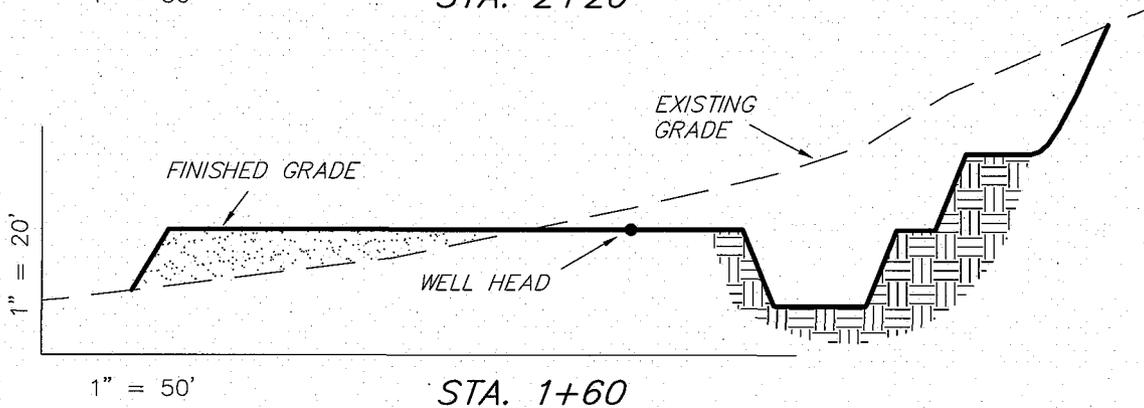
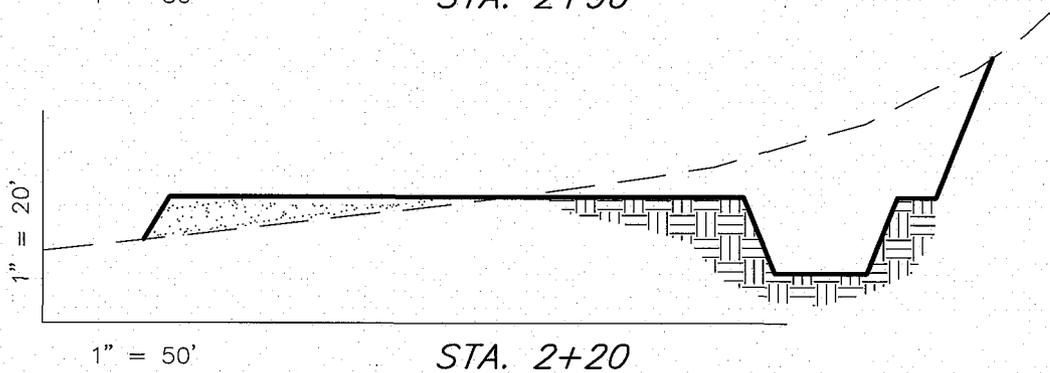
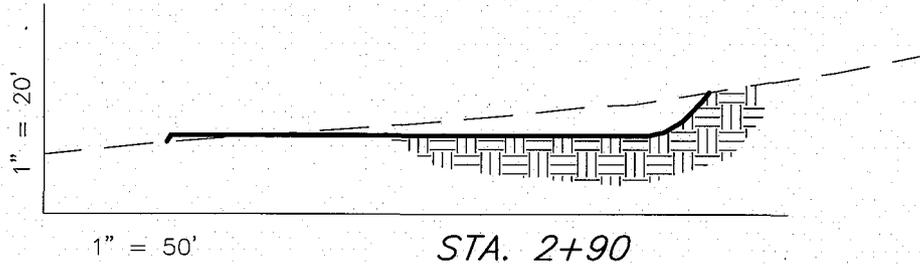
170' EASTERLY	= 5870.1'
220' EASTERLY	= 5868.2'
210' NORTHERLY	= 5883.0'
260' NORTHERLY	= 5887.3'

SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-07
SCALE: 1" = 50'	REVISED:

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

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS 9 MILE 4-16-9-16



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)

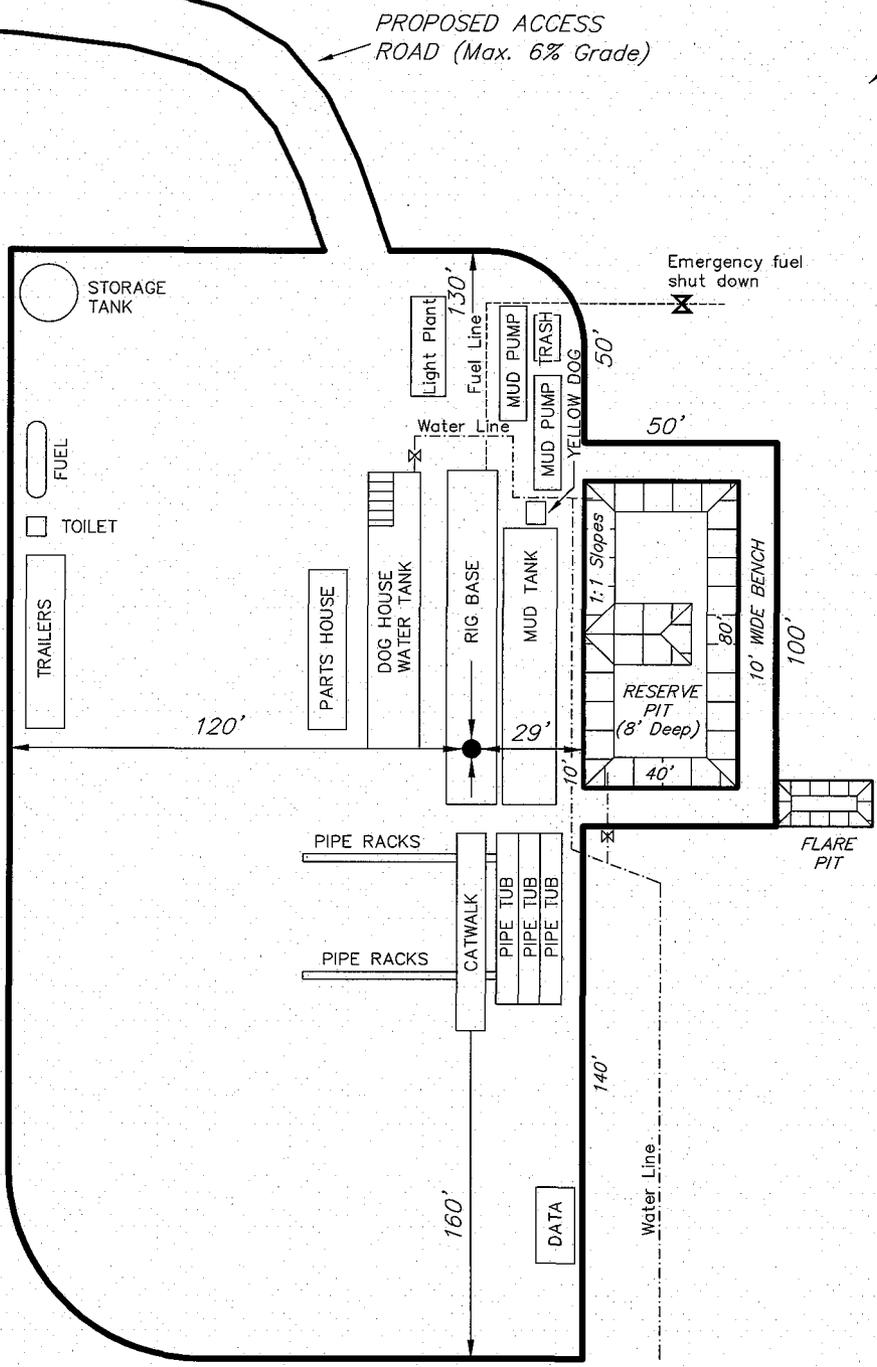
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,540	3,530	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	4,180	3,530	1,030	650

SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-07
SCALE: 1" = 50'	REVISED:

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

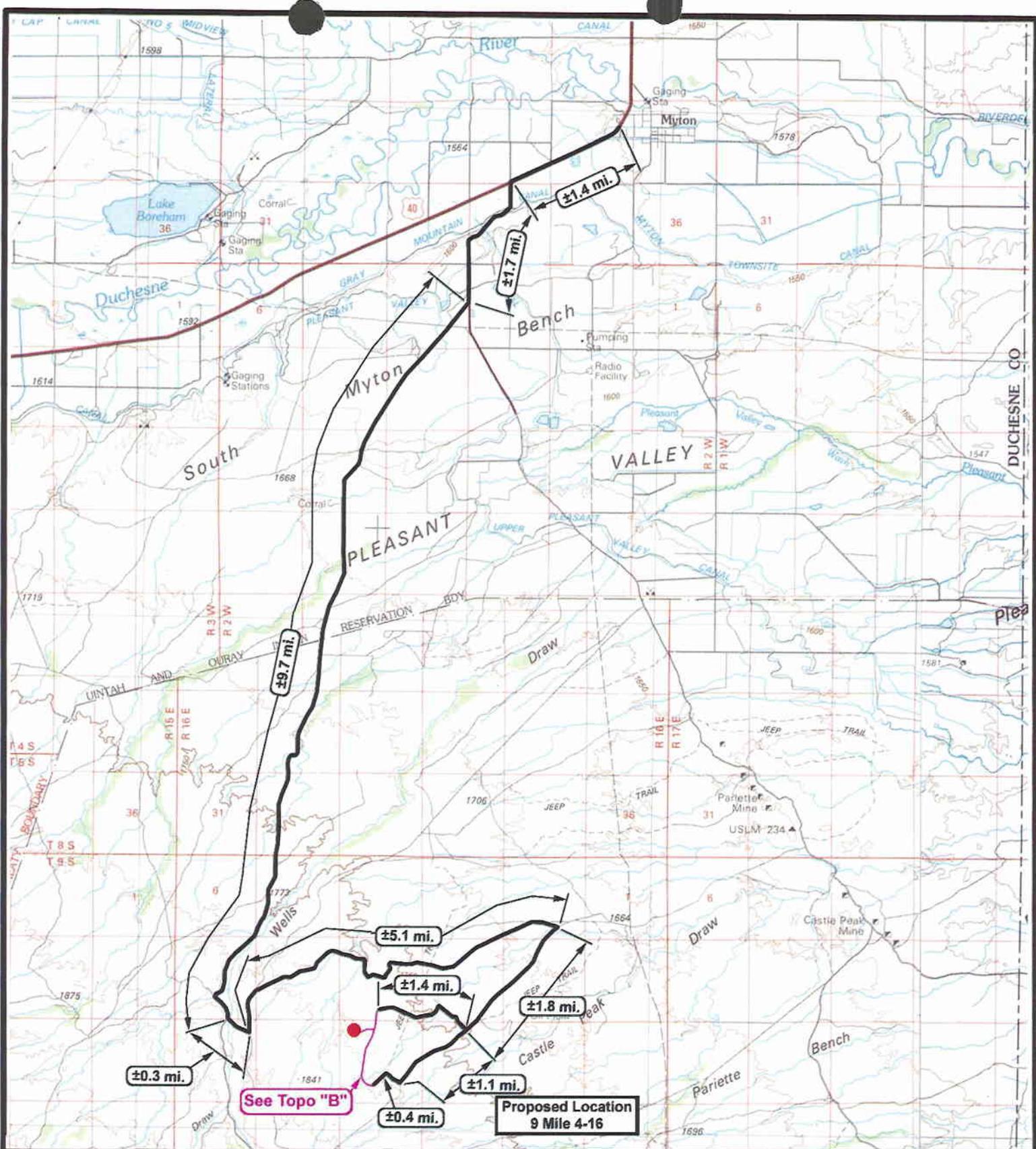
NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT 9 MILE 4-16-9-16



SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-31-07
SCALE: 1" = 50'	REVISED:

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



See Topo "B"

Proposed Location
9 Mile 4-16

NEWFIELD
Exploration Company

9 Mile 4-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



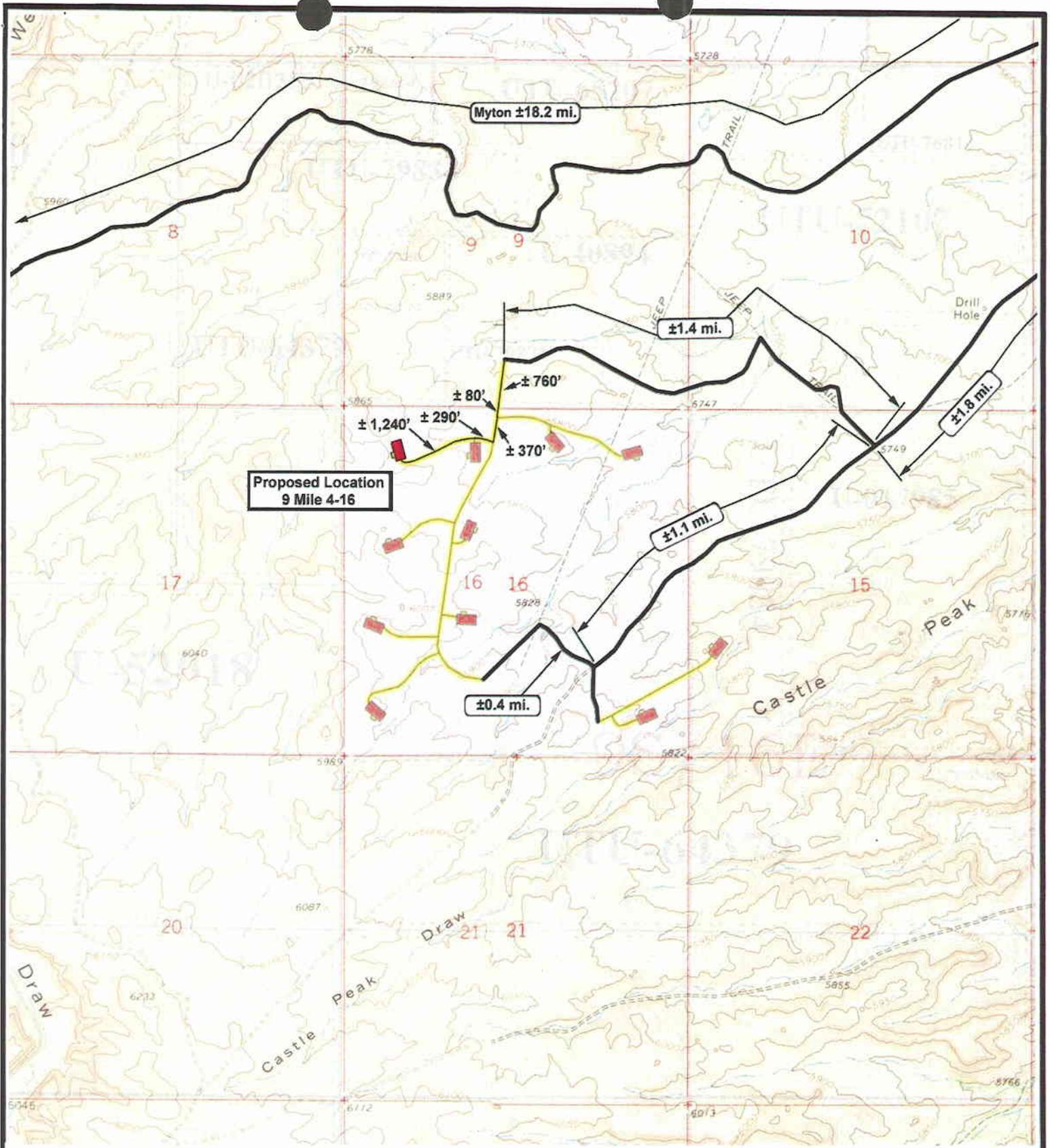
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 11-02-2007

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP
"A"



**Proposed Location
9 Mile 4-16**

Myton ±18.2 mi.

±1.4 mi.

±1.8 mi.

±1.1 mi.

±0.4 mi.

±1,240'

±290'

±80'

±760'

±370'

NEWFIELD
Exploration Company

**9 Mile 4-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.**

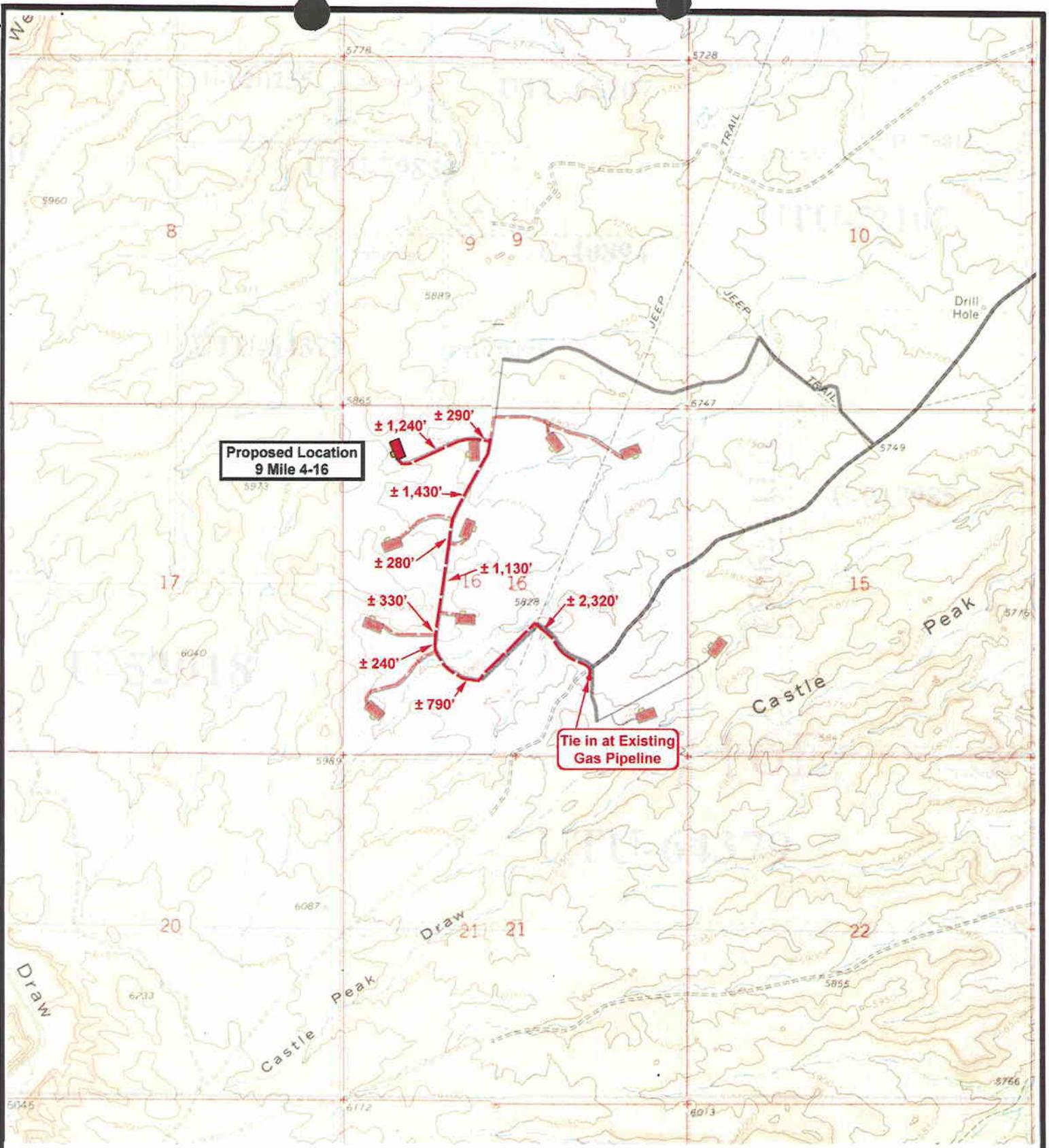


*Tri-State
Land Surveying Inc.*
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"



 **NEWFIELD**
Exploration Company

9 Mile 4-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



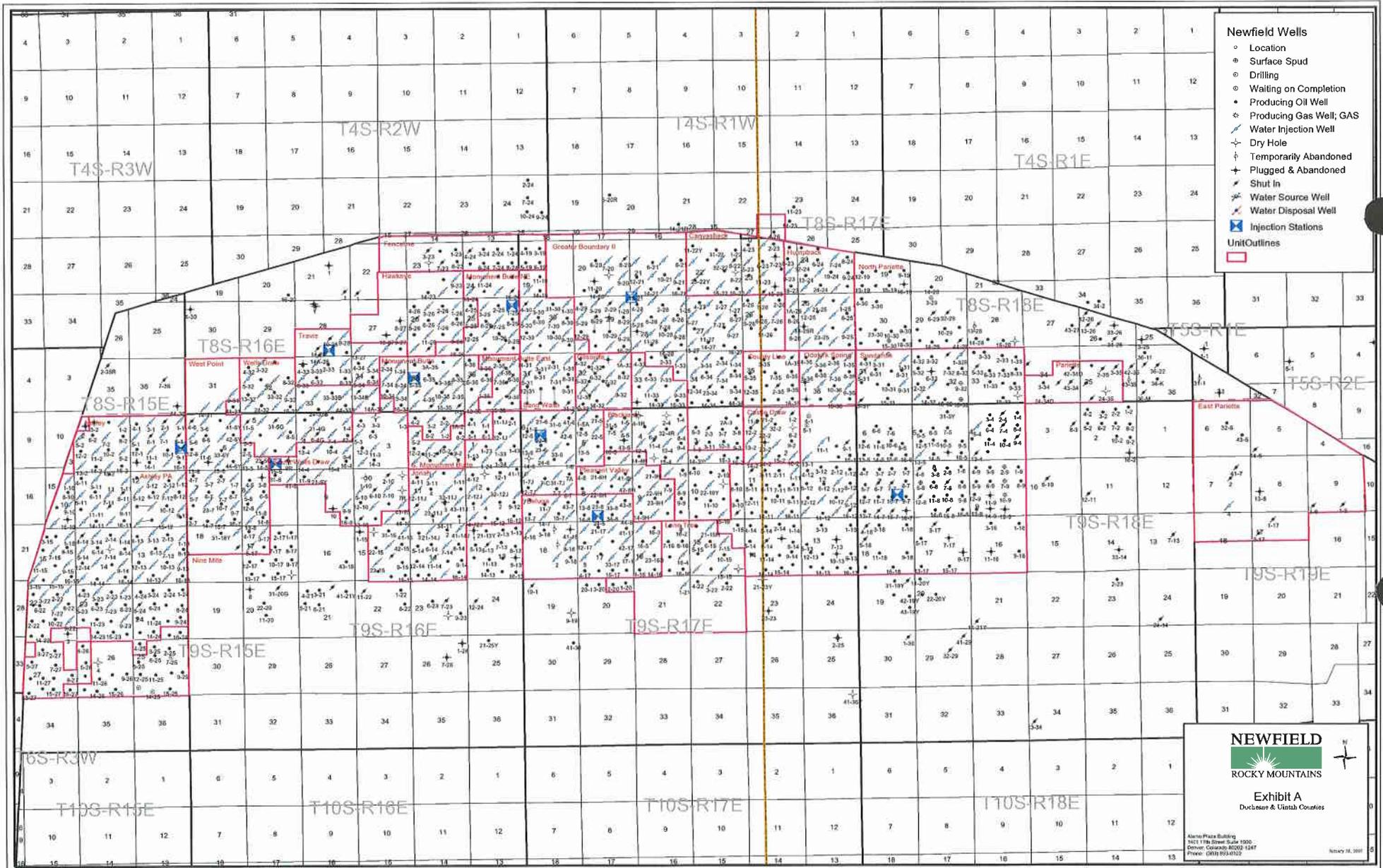

Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend

-  Roads
-  Proposed Gas Line

TOPOGRAPHIC MAP
"C"



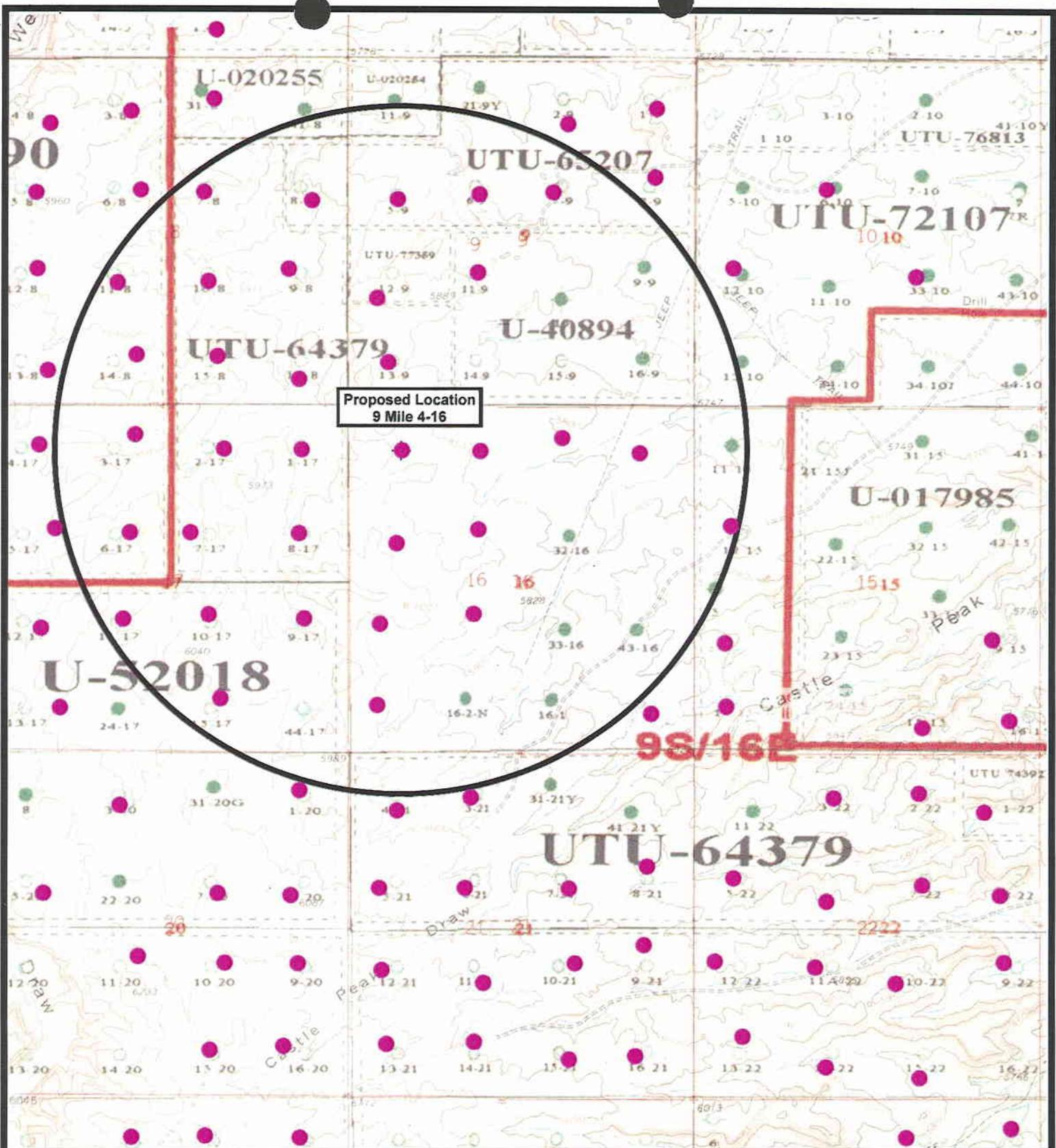
- Newfield Wells**
- Location
 - Surface Spud
 - Drilling
 - Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well; GAS
 - Water Injection Well
 - Dry Hole
 - Temporarily Abandoned
 - Plugged & Abandoned
 - Shut In
 - Water Source Well
 - Water Disposal Well
 - ⊠ Injection Stations
 - Unit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

NEWFIELD
 ROCKY MOUNTAINS

Exhibit A
 Duchesne & Uintah Counties

Alamo Plaza Building
 9611 17th Street, Suite 1000
 Denver, Colorado 80202-1247
 Phone: (303) 893-8722

January 18, 2007



NEWFIELD
Exploration Company

9 Mile 4-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



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

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

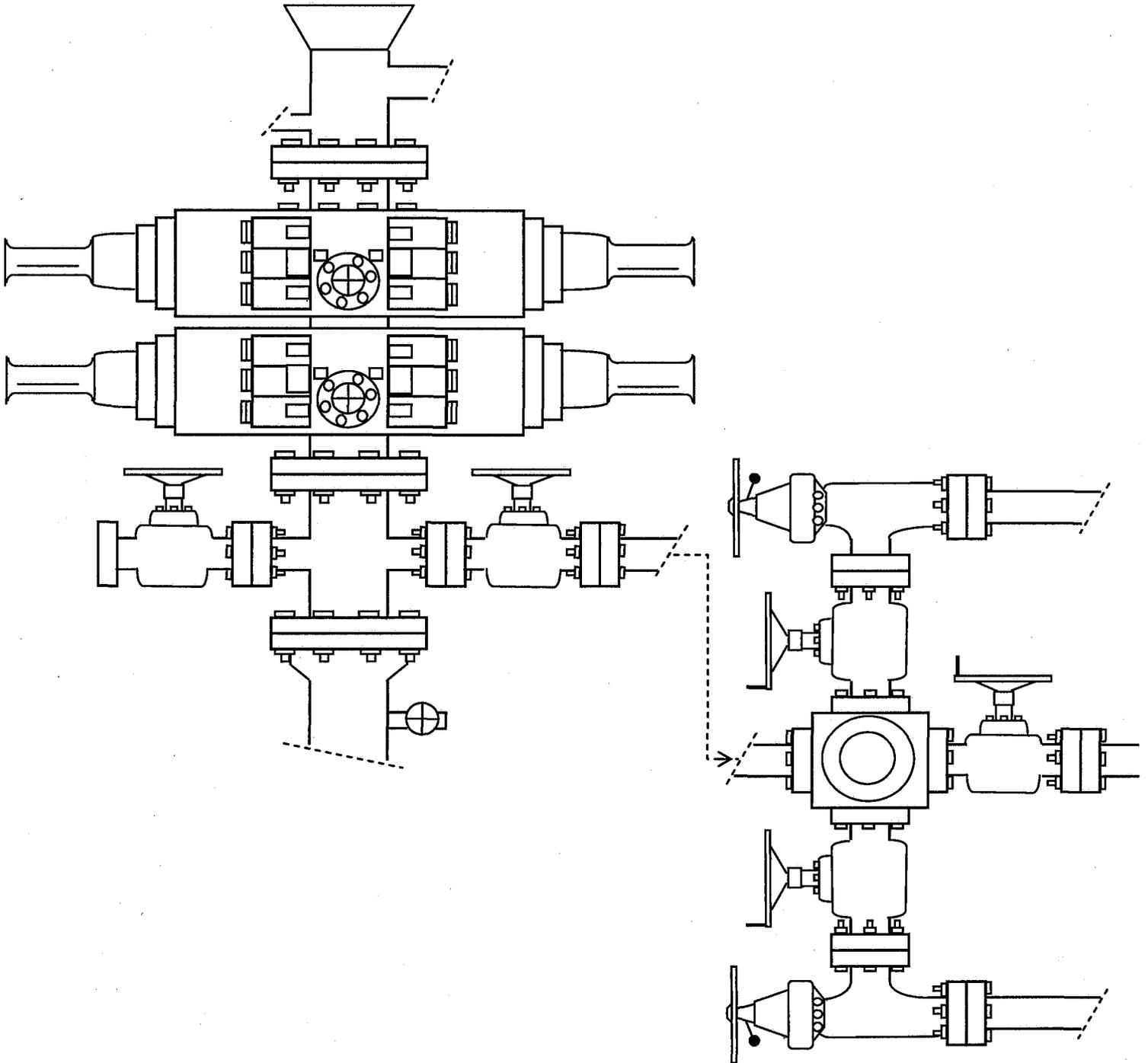


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S TEN 40 ACRE PARCELS IN
TOWNSHIP 9S, RANGE 16E, SECTION 16
DUCHESNE COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

State of Utah
School & Institutional Trust Lands Administration
Salt Lake City

Prepared Under Contract With:

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

Submitted By:

Keith R. Montgomery
Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 07-348

October 31, 2007

United States Department of Interior (FLPMA)
Permit No. 07-UT-60122

State of Utah Public Lands Policy
Archaeological Survey Permit No. 117

State of Utah Antiquities Project (Survey)
Permit No. U-07-MQ-1297s

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/29/2007

API NO. ASSIGNED: 43-013-33848

WELL NAME: STATE 4-16-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWNW 16 090S 160E
 SURFACE: 0660 FNL 0815 FWL
 BOTTOM: 0660 FNL 0815 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.03631 LONGITUDE: -110.1302
 UTM SURF EASTINGS: 574206 NORTHINGS: 4431939
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DVCD	1/24/08
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-16532
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
- 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: Needs Permit (12-13-07)

STIPULATIONS: 1- Spacing Well
2- STATEMENT OF BASIS
3- Surface Csg Cont Step

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

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APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
629	43-013-33848-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	STATE 4-16-9-16		Unit		
Field	MONUMENT BUTTE		Type of Work		
Location	NWNW 16 9S 16E S 660 FNL 815 FWL GPS Coord (UTM) 574206E 4431939N				

Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,900'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought high enough to cover the estimated base of the moderately saline ground water.

Brad Hill
APD Evaluator

12/19/2007
Date / Time

Surface Statement of Basis

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 21.9 miles. Construction of 1240 feet of new road will be required.

The proposed State #4-16-9-16 oil well location is in a small bowl that drains gently to the northeast. The bowl is surrounded on 3 sides by low hills with bedrock outcrops. The reserve pit will be cut into a rocky ridge to the southwest. Most of the location is in gentle terrain. No diversions are recommended. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

Daniel Emmett representing the Utah Division of Wildlife Resources stated the area is classified as substantial value sage grouse brooding habitat and crucial yearlong antelope habitat. He ask Mr. Allred of Newfield and Mr. Davis of SITLA that they try to schedule construction and drilling around the critical period of March 1 to June 15th for sagegrouse brooding. No restrictions for the antelope were requested. No other wildlife are expected to be significantly affected. Mr. Emmett gave Mr. Allred of Newfield Production Company and Mr. Davis of SITLA a copy of his evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett
Onsite Evaluator

12/13/2007
Date / Time

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

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Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name STATE 4-16-9-16
API Number 43-013-33848-0 **APD No** 629 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NWNW **Sec** 16 **Tw** 9S **Rng** 16E 660 FNL 815 FWL
GPS Coord (UTM) 574218 4431944 **Surface Owner**

Participants

Floyd Bartlett (DOGM), David Allred (Newfield Production Company), Cory Miller (Tri-State Land Surveying), Jim Davis (SITLA), Daniel Emmett (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 21.9 miles. Construction of 1240 feet of new road will be required.

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Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.24	Width 199	Length 290	Onsite
			UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Area was covered with snow. Vegetation is a Deseret shrub type. Identified or expected vegetation consisted of black sagebrush, shadscale, greasewood, mustard weed, rabbit brush, horsebrush, broom snakeweed, and spring annuals.

Cattle, prairie dogs, antelope, small mammals and birds. Golden eagle have been sited in the general area.

Soil Type and Characteristics

Moderately deep sandy clay loam with some surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potential Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 25 1 **Sensitivity Level**

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

ATV's used to reach site. Site under 10 inches of snow.

Floyd Bartlett
Evaluator

12/13/2007
Date / Time

2008-01 Newfield State 4-16-9-16

Casing Schematic

BAP 2839 psi
anticipate 1800 psi

8-5/8"
MW 8.4
Frac 19.3

GM 2059 psi MASP

BOPE 2M

Burst 2950
70% 2065 psi

Max P @ surf. shoe
1497 psi

Surface

122

181

TOC @ 103.

TOC @ 153.

Surface 400. MD

Unita

to surf. w/ 3% w/o

* surf stop

to surf w/ 11% w/o

1700' Green River

2900' ± BMSW

3740' tail

✓ Adequate per 1/24/08

5-1/2"
MW 8.4

6500' wasatch

Production 6500. MD

BOPE REVIEW

Well Name	Newfield State 4-16-9-16 API# 43-013-33848
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INPUT				
Well Name	Newfield State 4-16-9-16 API# 43-013-33848			
	String 1	String 2	String 3	String 4
Casing Size (")	20	13 3/8		
Setting Depth (TVD)	400	6500		
Previous Shoe Setting Depth (TVD)	0	400	0	0
Max Mud Weight (ppg)	8.4	8.4		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		

Calculations	String 1	20	"	
Max BHP [psi]	.052*Setting Depth*MW =		175	
				BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		127	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		87	NO <i>No expected pressures @ Set depth</i>
				*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		87	NO
Required Casing/BOPE Test Pressure			400	psi
*Max Pressure Allowed @ Previous Casing Shoe =			0	psi
				*Assumes 1psi/ft frac gradient

Calculations	String 2	13 3/8	"	
Max BHP [psi]	.052*Setting Depth*MW =		2839	
				BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		2059	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		1409	YES ✓
				*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		1497	NO
Required Casing/BOPE Test Pressure			2000	psi
*Max Pressure Allowed @ Previous Casing Shoe =			400	psi
				*Assumes 1psi/ft frac gradient

Well name:

2008-01 Newfield State 4-16-9-16

Operator: **Newfield Production Company**

String type: **Surface**

Project ID:

43-013-33848

Location: **Duchesne County**

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 352 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 400 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 349 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 81 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top: 153 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,500 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,836 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 400 ft
Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	143
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	174	1370	7.853	400	2950	7.38	8	244	29.10 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Minerals

Phone: 801-538-5357
FAX: 801-359-3940

Date: January 11, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

2008-01 Newfield State 4-16-9-16Operator: **Newfield Production Company**

String type: Production

Project ID:

43-013-33848

Location: Duchesne County

Design parameters:**Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 166 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 103 ft

BurstMax anticipated surface
pressure: 1,406 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,836 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)**Non-directional string.**Tension is based on buoyed weight.
Neutral point: 5,674 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	868.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.424	2836	4810	1.70	88	217	2.47 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: January 11, 2008
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

From: Ed Bonner
To: Mason, Diana
Date: 1/8/2008 12:05 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

ConocoPhillips Company

✓ Utah 29-574D (API 43 015 30735)

EOG Resources, Inc

CWU 956-32 (API 43 047 39515)

Kerr McGee Oil & Gas Onshore LP

✓ NBU 1021-2N (API 43 047 38840)

Newfield Production Company

- ✓ Wells Draw Fed C-5-9-16 (API 43 013 33753)
- ✓ State 1A-16-9-16 (API 43 013 33845)
- ✓ State 2A-16-9-16 (API 43 013 33846)
- ✓ State 3-16-9-16 (API 43 013 33847) - TD
- ✓ State 4-16-9-16 (API 43 013 33848)
- ✓ State 5-16-9-16 (API 43 013 33849)
- ✓ State 6-16-9-16 (API 43 013 33850)
- ✓ State 12-16-9-16 (API 43 013 33852)
- ✓ State 13-16-9-16 (API 43 013 33853)
- ✓ State 16-16-9-16 (API 43 013 33854)

Pioneer Natural Resources USA, Inc

- ✓ Main Canyon State 12-16-15-23 (API 43 047 39695)
- ✓ Main Canyon State 34-21-15-23 (API 43 047 39696)
- ✓ Horse Point State 34-10-16-23 (API 43 019 31558)
- ✓ Horse Point State 41-1-16-23 (API 43 019 31599)
- ✓ Grand Canyon State 23-35-15.5-23 (API 43 019 31560)

If you have any questions regarding this matter please give me a call.

Helen Sadik-Macdonald - Newfield wells

From: "Hans Wychgram"
To:
Date: 01/09/2008 3:52 PM
Subject: Newfield wells
CC: "Brad Mecham" , "Mandie Crozier"

Helen,

As per our conversation this afternoon, Newfield agrees to set 400' of surface casing on the following wells:

State 3-16-9-16

State 4-16-9-16

State 5-16-9-16

State 6-16-9-16

State 11-16-9-16

State 12-16-9-16

State 13-16-9-16

State 16-16-9-16

Gilsonite L-32-8-17

Monument Butte F-36-8-16

Also, we discussed setting 300' of 20" conductor casing on the following deep gas wells:

Beluga 16T-5-9-17

Monument Butte 4-36T-8-16

Thanks,

Hans Wychgram



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
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

January 24, 2008

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

Re: State 4-16-9-16 Well, 660' FNL, 815' FWL, NW NW, Sec. 16, 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 43-013-33848.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA

Operator: Newfield Production Company

Well Name & Number State 4-16-9-16

API Number: 43-013-33848

Lease: ML-16532

Location: NW NW Sec. 16 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

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. 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.
7. Surface casing shall be cemented to the surface.

RECEIVED
MAR 12 2008
DIV. OF OIL, GAS & MINING

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. ML-16532
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use *APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME NA
2. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER STATE 4-16-9-16
3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. API NUMBER 43-013-33848
4. LOCATION OF WELL Footages 660 FNL 815 FWL QQ, SEC, T, R, M: NW/NW Section 16, T9S R16E		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE
		COUNTY DUCHESNE STATE UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input checked="" type="checkbox"/> OTHER <u>APD Change</u>	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> OTHER _____ DATE WORK COMPLETED _____ Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

Newfield Production requests the following changes be made the drilling program on the above mentioned approved APD.
Surface Casing will be set @ 290'.

13. NAME & SIGNATURE Mandie Crozier TITLE Regulatory Specialist DATE 3/7/2008

(This space for State use only)

* See Instructions On Reverse Side

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
DATE: 3/14/08
BY: [Signature]

COPY SENT TO OPERATOR
Date: 3-19-2008
Initials: KS

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: STATE 4-16-9-16

Api No: 43-013-33848 Lease Type: STATE

Section 16 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

SPUDDED:

Date 04/01/08

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 04/01/08 Signed CHD

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-16532

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
STATE 4-16-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
#013338486

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

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FNL 815 FWL COUNTY: DUCHESNE
OTR/OTR SECTION: TOWNSHIP. RANGE. MERIDIAN: NWNW, 16, 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 be completed:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 04/13/2008	<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: - Spud Notice
	<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.
On 4/1/08 MIRU Ross # 21. Spud well @ 12:00am. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 312.81' On 4/13/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 6 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Don Bastian

TITLE Drilling Foreman

SIGNATURE *Don Bastian*

DATE 04/13/2008

(This space for State use only)

RECEIVED

APR 15 2008

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 312.81

LAST CASING 8 5/8" SET AT 312.81'
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 310 LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company
 WELL State 4-16-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Ross Rig #21

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 39.46'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	300.96
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	302.81
TOTAL LENGTH OF STRING	302.81	7	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	312.81

TOTAL	300.96	7	} COMPARE
TOTAL CSG. DEL. (W/O THRDS)	300.96	7	

TIMING	1ST STAGE	
BEGIN RUN CSG.	Spud 8:00 AM	4/1/2008
CSG. IN HOLE	3:00 AM	4/1/2008
BEGIN CIRC	12:16 PM	4/13/2008
BEGIN PUMP CMT	12:24 PM	4/13/2008
BEGIN DSPL. CMT	12:35 PM	4/13/2008
PLUG DOWN	12:15PM	4/13/2008

GOOD CIRC THRU JOB Yes
 Bbls CMT CIRC TO SURFACE 6
 RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE
 BUMPED PLUG TO N/A Left 200 PSI On Ca _____ PSI

CEMENT USED	CEMENT COMPANY- B. J.
STAGE #SX	CEMENT TYPE & ADDITIVES
TOT. 160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT SHOW MAKE & SPACING
 Centralizers - Middle first, top second & third for 3

COMPANY REPRESENTATIVE Don Bastian DATE 4/13/2008

BEGIN PUMP CMT
 BEGIN DSPL. CMT
 PLUG DOWN
 CEMENT USED
 STAGE

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

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

OPERATOR ACCT. NO. N2895

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	16803	4304736301	FEDERAL 3-3-9-18	NENW	3	9S	18E	UINTAH	4/11/2008	4/28/08
WELL 1 COMMENTS: <i>GRRV</i>											
B	99999	14844	4304734013	<i>Sundance</i> FEDERAL 2-6-9-18	NWNE	6	9S	18E	UINTAH	4/12/2008	4/28/08
<i>GRRV BHL = NWNE Sundance Unit</i>											
B	99999	14844	4304734425	<i>Sundance</i> FEDERAL 3-6-9-18	NENW	6	9S	18E	UINTAH	4/13/2008	4/28/08
<i>GRRV BHL = NENW Sundance Unit</i>											
B	99999	16804	4301332951	ASHLEY FED 16-25-9-15	SESE	25	9S	15E	DUCHESNE	4/12/2008	4/28/08
<i>GRRV NOT IN UNIT PA YET</i>											
A	99999	16805	4301333848	STATE 4-16-9-16	NWNW	16	9S	16E	DUCHESNE	4/1/2008	4/28/08
WELL 5 COMMENTS: <i>GRRV</i>											
B	99999	16806	4301333604	ASHLEY FED 1-27-9-15	NWNW	26	9S	15E	DUCHESNE	4/15/2008	4/28/08
WELL 3 COMMENTS: <i>GRRV BHL Sec 27 Sec NENE NOT IN UNIT PA YET</i>											

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

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

[Signature]
 Signature
 Jentri Park
 Production Clerk
 Date: 04/18/08

DIV. OF OIL, GAS & MINING
 APR 17 2008
 RECEIVED

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

5. LEASE DESIGNATION AND SERIAL NUMBER
UTAH STATE ML-16532

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE 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.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
STATE 4-16-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333848

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

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FNL 815 FWL

COUNTY: DUCHESNE

OTR/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW, 16, T9S, R16E

STATE UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/07/2008	<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.

On 5/1/08 MIRU Patterson Rig # 52. 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 @ 273'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5835'. 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, 135 jt's of 5.5 J-55, 15.5# csgn. Set @ 5832.53' KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. The 400 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 12 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 104,000 #'s tension. Release rig @ 11:00 pm 5/6/08.

NAME (PLEASE PRINT) Don Bastian

TITLE Drilling Foreman

SIGNATURE *Don Bastian*

DATE 05/07/2008

(This space for State use only)

RECEIVED

MAY 12 2008

DIV. OF OIL, GAS & MINING

5 1/2" CASING SET AT 5832.53

LAST CASING 8 5/8" SET AT 312.81'
 DATUM 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 5835 LOGGER 5827'
 HOLE SIZE 7 7/8"

Flt cllr @ _____
 OPERATOR Newfield Production Company
 WELL State 4-16-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Patterson #52

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt @ 4054' 7.35					
135	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5775.9
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	43.38
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING		5834.53
TOTAL LENGTH OF STRING			5834.53	136	LESS CUT OFF PIECE		14
LESS NON CSG. ITEMS			15.25		PLUS DATUM TO T/CUT OFF CSG		12
PLUS FULL JTS. LEFT OUT			281.05	7	CASING SET DEPTH		5832.53
TOTAL			6100.33	143	} COMPARE		
TOTAL CSG. DEL. (W/O THRDS)			6100.33	143			
TIMING			1ST STAGE	2nd STAGE			
BEGIN RUN CSG.			10:00 AM	5/6/2008	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE			2:30 PM	5/6/2008	Bbls CMT CIRC TO SURFACE <u>12</u>		
BEGIN CIRC			2:50 PM	5/6/2008	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE		
BEGIN PUMP CMT			4:05 PM	5/6/2008	DID BACK PRES. VALVE HOLD ? <u>Yes</u>		
BEGIN DSPL. CMT			4:52 PM	5/6/2008	BUMPED PLUG TO <u>2350</u> PSI		
PLUG DOWN			5:25 PM	5/6/2008			
CEMENT USED			CEMENT COMPANY- B. J.				
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	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	400	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 Don Bastian DATE 5/6/2008

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-16532

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
STATE 4-16-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333848

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

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 660 FNL 815 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 16, T9S, R16E

STATE: UT

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

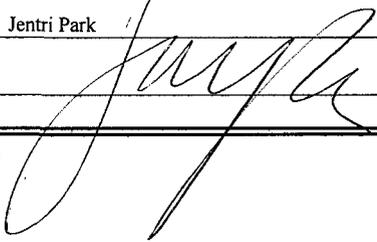
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> 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: 06/23/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

The above subject well was completed on 06-03-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE 

DATE 06/23/2008

(This space for State use only)

RECEIVED
JUN 30 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

STATE 4-16-9-16

3/1/2008 To 7/30/2008

5/22/2008 Day: 1

Completion

Rigless on 5/21/2008 - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5762' & cement top @ 48'. Perforate stage #1, LODC sds @ 5209-28' & 5198-5203' w/ 3-1/8" Slick Guns (.49"EH, 120°) w/ 4 spf for total of 96 shots. 138 BWTR. SWIFN.

5/29/2008 Day: 2

Completion

Rigless on 5/28/2008 - Stage #1 LODC sds. RU BJ Services. 0 psi on well. Frac LODC sds w/ 200,061#'s of 20/40 sand in 1373 bbls of Lightning 17 fluid. Broke @ 2440 psi. Treated w/ ave pressure of 1997 psi w/ ave rate of 27.3 BPM. ISIP 2322 psi. Leave pressure on well. 1511 BWTR. Stage #2 CP1 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 6' perf guns. Set plug @ 5155'. Perforate A3 sds @ 5126-32' & A1 sds @ 5108-14' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 48 shots. RU BJ Services. 1918 psi on well. Frac A1 & A3 sds w/ 120,424#'s of 20/40 sand in 868 bbls of Lightning 17 fluid. Broke @ 3446 psi. Treated w/ ave pressure of 1922 psi w/ ave rate of 27.0 BPM. ISIP 2220 psi. Leave pressure on well. 2379 BWTR. Stage #3 B1 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 9' perf gun. Set plug @ 5020'. Perforate B1 sds @ 4916-25' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 36 shots. RU BJ Services. 1925 psi on well. Frac B1 sds w/ 54,952#'s of 20/40 sand in 495 bbls of Lightning 17 fluid. Broke @ 3783 psi. Treated w/ ave pressure of 1767 psi w/ ave rate of 23.4 BPM. ISIP 1705 psi. Leave pressure on well. 2874 BWTR. Stage #4 C sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 4885'. Perforate C sds @ 4842-56' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1395 psi on well. Perfs would not break. Attempt to dump bail acid on perfs. Tagged sand @ 4777'. Dump acid at 4777'. Attempt to break down perfs w/ no success. Open well to pit @ approx. 1 bpm. Flowed well for 2 hrs. to clean up sand (recovered 100 bbls). RU BJ Services. 643 psi on well. Frac C sds w/ 115,003#'s of 20/40 sand in 846 bbls of Lightning 17 fluid. Broke @ 3348 psi. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Leave pressure on well. 3620 BWTR. Stage #5 D3 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 13' perf gun. Set plug @ 4815'. Perforate D3 sds @ 4778-91' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 52 shots. RU BJ Services. -- psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. -- psi on well. Frac D3 sds w/ 115,003#'s of 20/40 sand in 846 bbls of Lightning 17 fluid. Broke @ 3348 psi. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Leave pressure on well. 3620 BWTR.

5/30/2008 Day: 3

Completion

Leed #731 on 5/29/2008 - Open well to pit. Well flowed for 3 hrs. Recovered 180 bbls. RU The Perforators, llc. Set Composite Kill Plug @ 4690'. RD wireline. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & inspected 2 7/8" tbg. from pipe trailer (tallying &

drifting) to 3400'. SWIFN.

5/31/2008 Day: 4

Completion

Leed #731 on 5/30/2008 - RIH w/ tbg. Tag CBP @ 4690'. RU powerswivel & pump. DU CBP in 10 min. Cont. RIH w/ tbg. Tag CBP @ 4815'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag CBP @ 4885'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag CBP @ 5020'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag sand @ 5143'. C/O to CBP @ 5155'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag sand @ 5620'. C/O to PBD @ 5788'. Circulate well clean. Pull up to 5695'. SWIFN.

6/3/2008 Day: 5

Completion

Leed #731 on 6/2/2008 - Bleed off well. RIH w/ swab. SFL @ surface. Made 4 runs. Recovered 90 bbls. Well flowed for 2 hrs. (recovered 60 bbls). 50% oil cut. No show of sand. Kill tbg. w/ 20 bbls water. RIH w/ tbg. Tag sand @ 5785'. C/O to PBD @ 5788'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 175 jts 2 7/8" tbg. ND BOP. Set TAC @ 5194' w/ 17,000# tension. NU wellhead. X-over for rods. SWIFN.

6/4/2008 Day: 6

Completion

Leed #731 on 6/3/2008 - RIH w/ CDI 2 1/2" x 1 1/2" x 15' RHAC pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 83- 3/4" slick rods, 99- 3/4" guided rods, 1- 8', 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. RU pumping unit. Hang off rods. RD. PWOP @ 9:00 pm w/ 86" SL & 5 SPM. Final report.

Pertinent Files: Go to File List

(See other instructions on reverse side)

OMB NO. 1004-0137
Expires: February 28, 1995

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK
 OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
 Newfield Exploration Company

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

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*
 At Surface 660' FNL & 815' FWL (NW/NW) Sec. 16, T9S, R16E
 At top prod. Interval reported below
 At total depth

5. LEASE DESIGNATION AND SERIAL NO.
 ML-16532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 NA

7. UNIT AGREEMENT NAME
 State

8. FARM OR LEASE NAME, WELL NO.
 State 4-16-9-16

9. WELL NO.
 43-013-33848

10. FIELD AND POOL OR WILDCAT
 Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
 Sec. 16, T9S, R16E

12. COUNTY OR PARISH
 Duchesne

13. STATE
 UT

14. API NO. 43-013-33848 DATE ISSUED 01/24/08

15. DATE SPUNDED 04/01/08 16. DATE T.D. REACHED 05/04/08 17. DATE COMPL. (Ready to prod.) 06/03/08 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5881' GL 5893' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5853' 21. PLUG BACK T.D., MD & TVD 5788' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY -----> ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
 Green River 4778'-5228'

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#	313'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5833'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5292'	TA @ 5194'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(LODC) 5209'-5228', 5198'-5203'	.49"	4/96
(A3 & 1) 5126'-32', 5108'-5114'	.49"	4/48
(B1) 4916'-4925'	.49"	4/36
(C) 4842'-4856'	.49"	4/56
(D3) 4778'-4791'	.49"	4/52

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5198'-5228'	Frac w/ 200,061# 20/40 sand in 1373 bbls fluid
5108'-5132'	Frac w/ 120,424# 20/40 sand in 868 bbls fluid
4916'-4925'	Frac w/ 54,952# 20/40 sand in 495 bbls fluid
4842'-4856'	perfs would not break
4778'-4791'	Frac w/ 115,003# 20/40 sand in 846 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 06-21-08 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 2-1/2" x 15' RHAC CDI rod pump WELL STATUS (Producing or shut-in) PRODUCING

DATE OF TEST 06-27-08 HOURS TESTED CHOKER SIZE PROD'N. FOR TEST PERIOD OIL--BBL. GAS--MCF. WATER--BBL. GAS-OIL RATIO
 -----> 21 33 3 1571

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 33 GAS--MCF. WATER--BBL. OIL GRAVITY-API (CORR.)
 ----->

RECEIVED

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel TEST WITNESSED BY
 JUL 14 2008

35. LIST OF ATTACHMENTS

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

SIGNED Jextri Park TITLE Production Tech DATE 7/10/2008

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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name State 4-16-9-16		3690'	
				Garden Gulch Mkr	3888'	
				Garden Gulch 1	3996'	
				Garden Gulch 2	4248'	
				Point 3 Mkr	4510'	
				X Mkr	4544'	
				Y-Mkr	4658'	
				Douglas Creek Mkr	4888'	
				BiCarbonate Mkr	4994'	
				B Limestone Mkr	5552'	
				Castle Peak	NP	
				Basal Carbonate		
				Total Depth (LOGGERS)	5827'	

RECEIVED
JUL 25 2008
DIV. OF OIL, GAS & MINING
 OF UTAH
 DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p><small>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.</small></p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/></p>	<p>5. LEASE DESIGNATION AND SERIAL NO. ML-16532</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p> <p>7. UNIT AGREEMENT NAME NA</p> <p>8. WELL NAME and NUMBER STATE 4-16-9-16</p> <p>9. API NUMBER 43-013-33848</p> <p>10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE</p> <p>COUNTY DUCHESNE STATE UTAH</p>
<p>2. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY</p>	
<p>3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721</p>	
<p>4. LOCATION OF WELL</p> <p>Footages 660 FNL 815 FWL</p> <p>QQ, SEC, T, R, M: NW/NW Section 16, T9S R16E</p>	

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

NOTICE OF INTENT: <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT OF: <small>(Submit Original Form Only)</small>
<input type="checkbox"/> ABANDON	<input type="checkbox"/> ABANDON*
<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> REPAIR CASING
<input type="checkbox"/> CHANGE OF PLANS	<input checked="" type="checkbox"/> CHANGE OF PLANS
<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> CONVERT TO INJECTION
<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE
<input type="checkbox"/> MULTIPLE COMPLETION	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	
<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> PULL OR ALTER CASING
<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> RECOMPLETE
<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> REPERFORATE
<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> WATER SHUT OFF	

DATE WORK COMPLETED _____

Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.
 *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

As per a conversation with Helen Sadik MacDonald approval was given to go ahead and set the planned 290' of surface casing that is normally set on wells drilled within the Monument Butte field by Newfield Production. Subsequently 313' of surface casing was set on the above mentioned well.

13. NAME & SIGNATURE: *Mandie Crozier* TITLE Regulatory Specialist DATE 7/21/2008
(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202		8. WELL NAME and NUMBER: STATE 4-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0815 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 16 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013338480000
PHONE NUMBER: 303 382-4443 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/1/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. NEWFIELD EXPLORATION PROPOSES TO CONVERT THE ABOVE MENTIONED WELL FROM A PRODUCING OIL WELL TO AN INJECTION WELL		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 11, 2012		
NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A		DATE 10/3/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
8. WELL NAME and NUMBER: STATE 4-16-9-16	
9. API NUMBER: 43013338480000	
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
COUNTY: DUCHESNE	
STATE: UTAH	

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL Oil Well	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0815 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 16 Township: 09.0S Range: 16.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/30/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input checked="" 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.

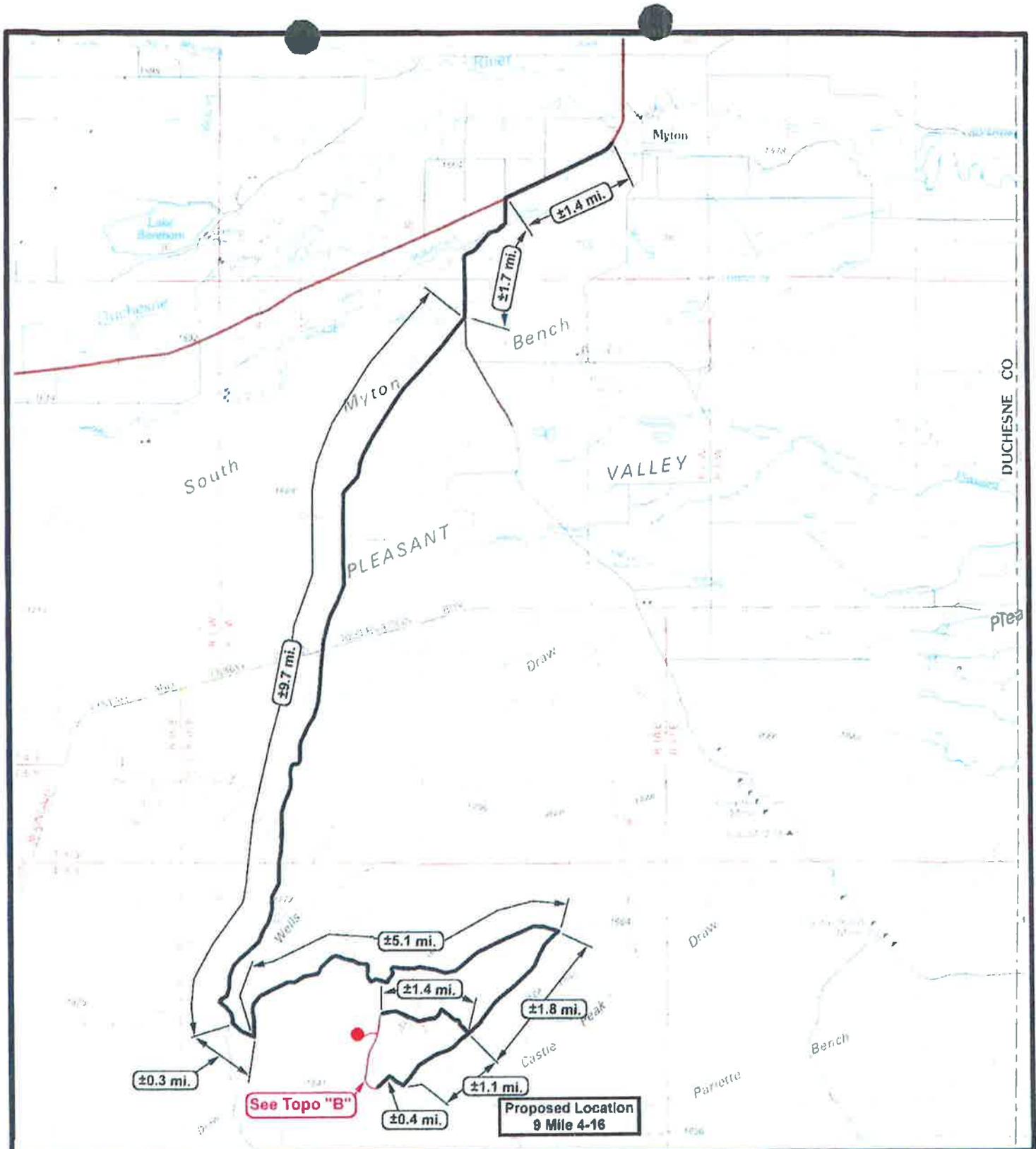
Newfield Exploration would install 1530' of buried 3" coated steel pipe for purposes of transporting injection water to the State 4-16-9-16.

Accepted by the Utah Division of Oil, Gas and Mining

Date: April 10, 2013

By:

NAME (PLEASE PRINT) Brian Foote	PHONE NUMBER 435 823-1972	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/3/2013	



 **NEWFIELD**
Exploration Company

9 Mile 4-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



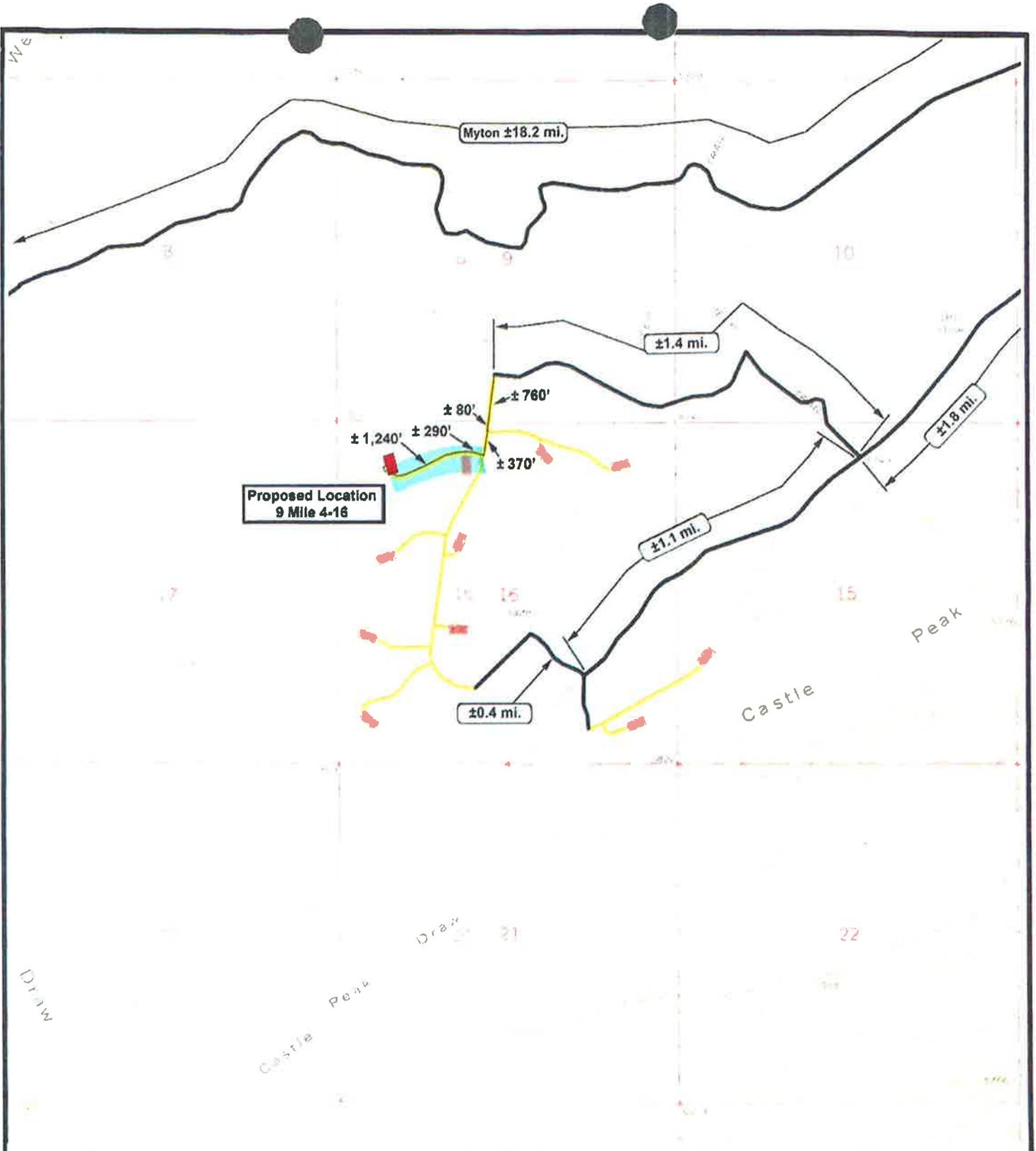
 **Tri-State**
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 11-02-2007

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP
"A"



 **NEWFIELD**
Exploration Company

9 Mile 4-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.


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

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP
"B"

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: STATE 4-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0815 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 16 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013338480000
PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE	STATE: UTAH

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

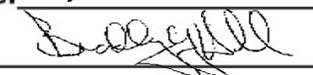
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/3/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 07/02/2013. On 07/03/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test.

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

Date: July 10, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/8/2013	

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date 7/3/13 Time 9:00 am pm
Test Conducted by: Riley Basly
Others Present: _____

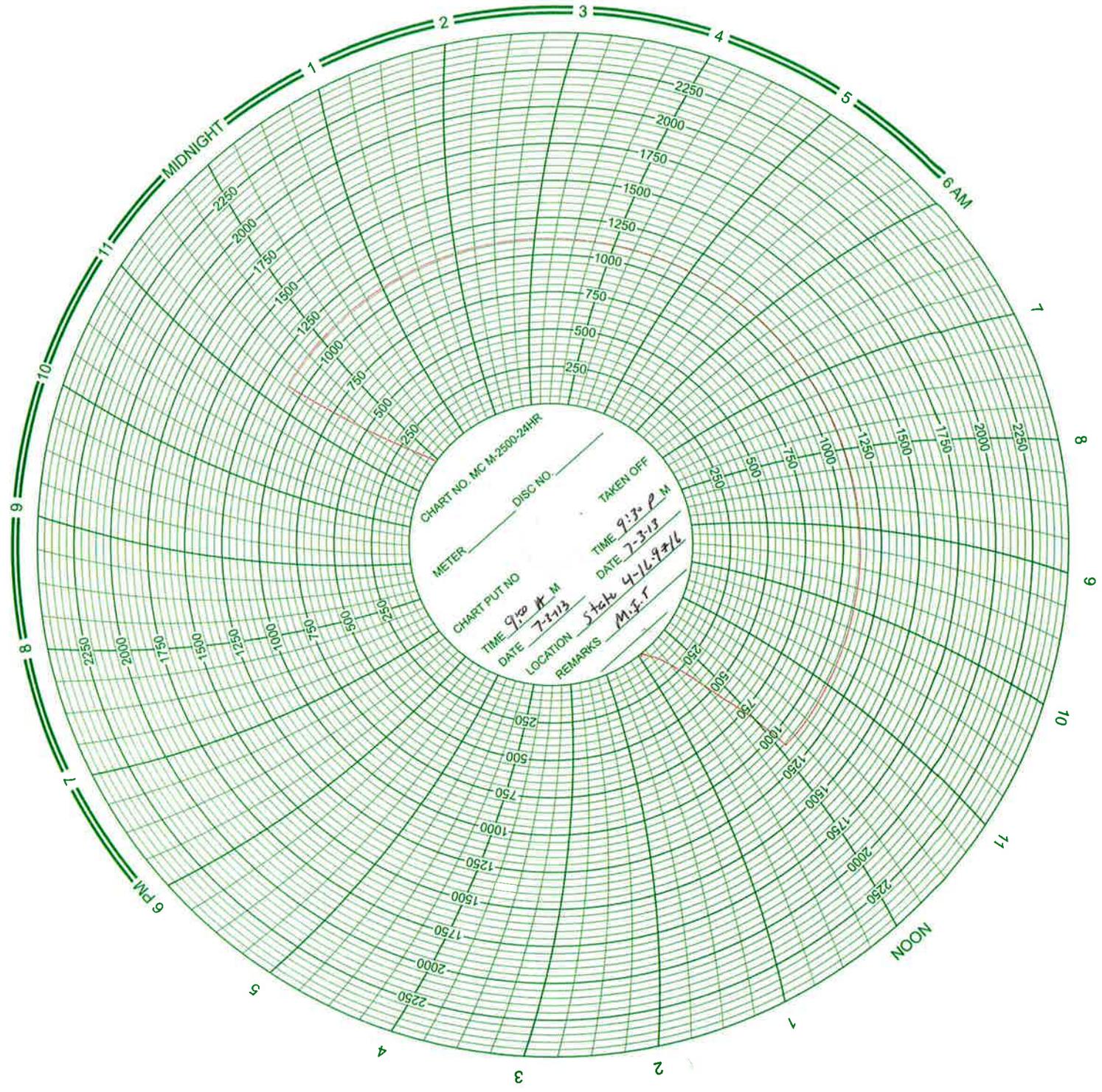
Well: <u>State 4-16-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>State 4-16-9-16</u>	API No: <u>4301333848</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1100</u>	psig
5	<u>1100</u>	psig
10	<u>1100</u>	psig
15	<u>1100</u>	psig
20	<u>1100</u>	psig
25	<u>1100</u>	psig
30 min	<u>1100</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 250 psig

Result: Pass Fail

Signature of Witness: _____
Signature of Person Conducting Test: Riley Basly



Daily Activity Report

Format For Sundry

STATE 4-16-9-16

5/1/2013 To 9/30/2013

6/20/2013 Day: 1

Conversion

NC #1 on 6/20/2013 - miru nc#1,r/d unit,h/o csg,p/u on rod strng,rods were parted,pooH w/rod strng,rih & fish rods,u/s pmp,flush tbg,s/p,fill & p/tst to 3500 psi,pooH l/d rod prod,n/u bop,rel t/a,pooH w/10 jts tbg redope tool jts,swi,c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM Prep Rig For Move. MIRU NC#1, Advantage H/Oiler pmp 60 BW D/Csg, R/D Unit, P/U On Rod String Rods Were Parted, POOH W/-Rod String To Part On Rod #56 Body Break. P/U & RIH W/-Ovrshot & Rod String To Fish Top, Latch On Fish U/S pmp, Flush Tbg W/-35 BW, S/P, Fill Tbg W/-15 BW, P/Test Tbg To 3,500 Psi, Good Test. U/S pmp, POOH & L/D Rod String & pmp. Flushed Tbg W/-20 BW On TOOH Due To Oil.N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-10 Jts Tbg Redoping Tool Jts, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM Prep Rig For Move. MIRU NC#1, Advantage H/Oiler pmp 60 BW D/Csg, R/D Unit, P/U On Rod String Rods Were Parted, POOH W/-Rod String To Part On Rod #56 Body Break. P/U & RIH W/-Ovrshot & Rod String To Fish Top, Latch On Fish U/S pmp, Flush Tbg W/-35 BW, S/P, Fill Tbg W/-15 BW, P/Test Tbg To 3,500 Psi, Good Test. U/S pmp, POOH & L/D Rod String & pmp. Flushed Tbg W/-20 BW On TOOH Due To Oil.N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-10 Jts Tbg Redoping Tool Jts, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$8,647

6/21/2013 Day: 2

Conversion

NC #1 on 6/21/2013 - pooH w/-150 jts tbg redope tool jts,l/d 15 jts tbg,t/a,1 jt,s/n,2 jts,n/c. rih w/-injection pkr bha,150 jts tbg,flush tbg w/-30 bw,drop sv,fill tbg,p/tst tbg to 3,000 psi,t bg psi never stabilized,swi,c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, POOH W/-150 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 15 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. P/U & RIH W/- 2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X6' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 OD On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, Flush Tbg W/-30 BW,Drop SV,Fill Tbg, P/Test Tbg To 3,000 Psi, Tbg Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, POOH W/-150 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 15 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. P/U & RIH W/- 2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X6' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 OD On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, Flush Tbg W/-30 BW,Drop SV,Fill Tbg, P/Test Tbg To 3,000 Psi, Tbg Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$16,397

6/24/2013 Day: 3

Conversion

NC #1 on 6/24/2013 - owu good tst on tbg,fish sv,pmp pkr fluid,set pkr,fill csg,p/tst csg & pkrto 1500 psi,pressure droping 20 psi in 30 min,swi, c/sdfn, check csg psi in AM For Test. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD, Advantage H/Oiler pmp 50 BW W/-15 Gal Pkr Fluid D/Csg,N/D W/-HD, Set Pkr In 16,000 Tension, N/U W/-HD, Fill Csg W/-45 BW Pkr Fluid, P/Test Csg To 1,500 Psi, Csg Psi Droping 20 Psi In 30 Min, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line

Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD, Advantage H/Oiler pmp 50 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 16,000 Tension, N/U W/-HD, Fill Csg W/-45 BW Pkr Fluid, P/Test Csg To 1,500 Psi, Csg Psi Dropping 20 Psi In 30 Min, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$24,727

6/25/2013 Day: 4**Conversion**

NC #1 on 6/25/2013 - chek csg psi 1360, bmp csg psi to 1500 psi, leaked 10 psi in 30 min, n/u bop, pooh w/tbg inj string, change pkr, rih w/new pkr & inj string, drop sv, p/tst tbg, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1360 Psi On Csg, R/U Advantage H/Oiler Bump Csg Psi To 1,500 Psi, Leaked 10 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-150 Jts Tbg, S/N, On Off Tool, Pkr & Pkr Assembly. H/Oiler Flushed Tbg W/-25 BW On TOOH Due To Oil. P/U & RIH W/- 2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/U H/Oiler pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-25 BW, P/Test Tbg To 3,000 Psi, Pressure Not Stabilized, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1360 Psi On Csg, R/U Advantage H/Oiler Bump Csg Psi To 1,500 Psi, Leaked 10 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-150 Jts Tbg, S/N, On Off Tool, Pkr & Pkr Assembly. H/Oiler Flushed Tbg W/-25 BW On TOOH Due To Oil. P/U & RIH W/- 2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/U H/Oiler pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-25 BW, P/Test Tbg To 3,000 Psi, Pressure Not Stabilized, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$44,104

6/26/2013 Day: 5**Conversion**

NC #1 on 6/26/2013 - owu good tst on tbg, n/d, pmp pkr fluid, set pkr, fill & p/test csg & pkr to 1500 psi, Pressure Dropping 20 psi in 30 min, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3150 Psi On Tbg, Gained 150 Psi Ovr Night. R/D R/Flr, N/D BOP, N/U W/-HD, R/U Advantage H/Oiler pmp 40 BW D/Csg, pmp 50 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-15 BW, P/Test Csg & Pkr To 1,500 Psi, Pressure Not Stabilized Loosing 20 Psi In 30 Min, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3150 Psi On Tbg, Gained 150 Psi Ovr Night. R/D R/Flr, N/D BOP, N/U W/-HD, R/U Advantage H/Oiler pmp 40 BW D/Csg, pmp 50 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-15 BW, P/Test Csg & Pkr To 1,500 Psi, Pressure Not Stabilized Loosing 20 Psi In 30 Min, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$52,319

6/27/2013 Day: 6**Conversion**

NC #1 on 6/27/2013 - owu, lost 480 psi ovr night, bump csg psi to 1500, p/tst csg, no tst. rel pkr, pooh reset pkr @ 3712', p/tst csg & pkr, leaked 25 psi in 30 Min, rel pkr, pooh reset pkr @ 2706', p/tst csg & pkr to 1500 psi, pkr leaking 500 psi in 1 min, pooh w/pkr, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU Csg Lost 480 Psi Ovr Night, R/U H/Oiler Bump Csg Psi To 1,500 Psi, P/Tst Csg & Pkr, Leah 20 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-32 Jts Tbg, Set Pkr @ 3712' Fill Csg W/-45 BW, Test Csg & Pkr To 1500 Psi For 1 1/2 Hrs, Leaked 25 Psi In 30 Min, Rel Pkr, POOH W/-32 Jts Tbg, Reset Pkr @ 2706', Fill Csg W/-43

BW,Pkr Leaking 500 Psi In 1 Min, Possible Pkr Elements Are Gone. Rel Pkr, POOH W/-86 Jts Tbg & Pkr Assembly. Flushed Tbg W/-20 BW On TOOH Due To Oil, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU Csg Lost 480 Psi Ovr Night, R/U H/Oiler Bump Csg Psi To 1,500 Psi, P/Tst Csg & Pkr, Leah 20 Psi In 30 Min. N/D W/-HD, N/U BOP,R/U R/Flr, Rel Pkr, POOH W/-32 Jts Tbg, Set Pkr @ 3712' Fill Csg W/-45 BW, Test Csg & Pkr To 1500 Psi For 1 1/2 Hrs, Leaked 25 Psi In 30 Min, Rel Pkr, POOH W/-32 Jts Tbg, Reset Pkr @ 2706', Fill Csg W/-43 BW, Pkr Leaking 500 Psi In 1 Min, Possible Pkr Elements Are Gone. Rel Pkr, POOH W/-86 Jts Tbg & Pkr Assembly. Flushed Tbg W/-20 BW On TOOH Due To Oil, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$59,131

6/28/2013 Day: 7**Conversion**

NC #1 on 6/28/2013 - Rih w/-plg & pkr, set plg @ 4727', fill csg & tbg, set pkr @ 4753', p/tst tbg & csg to 1500 psi, good tst, rel tools, pooh w/pkr & plg. Rih w/injection prod strng, n/d bop, n/u pmp pkr fluid, set pkr, p/tst pkr, csg never stbliized, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, P/U RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 HD Pkr, 150- Jts 2 7/8 Tbg, Set Plg @ 4727', POOH W/-2 Jts Tbg, R/U Advantage H/Oiler Fill Csg & Tbg W/-83 BW, Set Pkr @ 4753', P/Test Tbg To 1500 Psi, P/Test Csg To 1500 Psi, Tbg Gained 15 Psi & Csg Gained 100 Psi In 1 1/2 Hrs, (Good Test). Rel Pkr, RIH To Plg, Rel Plg, POOH W/-Tbg, Pkr & Plg. P/U & RIH W/-2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, New 5 1/2 Arrow #1 Pkr, New 2 2/8 On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/D R/Flr, N/D BOP, N/U W/-HD, pmp 75 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg To 1500 Psi, Csg Psi Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, P/U RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 HD Pkr, 150- Jts 2 7/8 Tbg, Set Plg @ 4727', POOH W/-2 Jts Tbg, R/U Advantage H/Oiler Fill Csg & Tbg W/-83 BW, Set Pkr @ 4753', P/Test Tbg To 1500 Psi, P/Test Csg To 1500 Psi, Tbg Gained 15 Psi & Csg Gained 100 Psi In 1 1/2 Hrs, (Good Test). Rel Pkr, RIH To Plg, Rel Plg, POOH W/-Tbg, Pkr & Plg. P/U & RIH W/-2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, New 5 1/2 Arrow #1 Pkr, New 2 2/8 On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/D R/Flr, N/D BOP, N/U W/-HD, pmp 75 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg To 1500 Psi, Csg Psi Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$70,338

7/1/2013 Day: 8**Conversion**

NC #1 on 7/1/2013 - owu w/-660 psi on csg, bump csg psi to 1500 psi, csg leaking 10 psi in 30 min, pmp 20 bw pad d/tbg, drop sv, fill tbg, p/tst tbg to 2000 psi, good tst. fish sv, p/tst csg to 1500 psi, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-660 Psi On Csg, R/U BMW H/Oiler, Bump Csg Psi To 1,500 Psi, No Test bleeding off 10 Psi In 30 Min, Bleed Csg Down To 500 Psi, pmp 20 BW Pad D/Tbg, Drop SV RIH W/-S/Line Tapp On SV, Fill Tbg W/-27 BW, P/Test Tbg To 2000 Psi, Leave Csg @ 500 Psi, Watch Tbg & Csg Psi, Held Good 1 1/2 Hrs No Psi Loss, R/U S/Line Ovrshot RIH & Fish SV. Bump Csg Psi To 1,500 Psi, SWI, Check Csg Psi In AM, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-660 Psi On Csg, R/U BMW H/Oiler, Bump Csg Psi To 1,500 Psi, No Test bleeding off 10 Psi In 30 Min, Bleed Csg Down To 500 Psi, pmp 20 BW Pad D/Tbg, Drop SV RIH W/-S/Line Tapp On SV, Fill Tbg W/-27 BW, P/Test Tbg To 2000 Psi, Leave Csg @ 500 Psi, Watch Tbg & Csg Psi, Held Good 1 1/2 Hrs No Psi Loss, R/U S/Line Ovrshot RIH & Fish SV. Bump Csg Psi To 1,500 Psi, SWI, Check Csg Psi In AM, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$77,583

7/2/2013 Day: 9

Conversion

NC #1 on 7/2/2013 - check csg psi,good test,r/d rig,move out, well ready for mit (final rig report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1500 Psi On Csg, Good Test. Rack Out Eq, R/D Rig, Move Out @ 8:00AM.(Final Rig Report) Ready For MIT. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1500 Psi On Csg, Good Test. Rack Out Eq, R/D Rig, Move Out @ 8:00AM.(Final Rig Report) Ready For MIT.

Daily Cost: \$0

Cumulative Cost: \$79,483

7/8/2013 Day: 10

Conversion

Rigless on 7/8/2013 - Conduct initial MIT - On 07/3/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test. - On 07/3/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$111,317

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

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

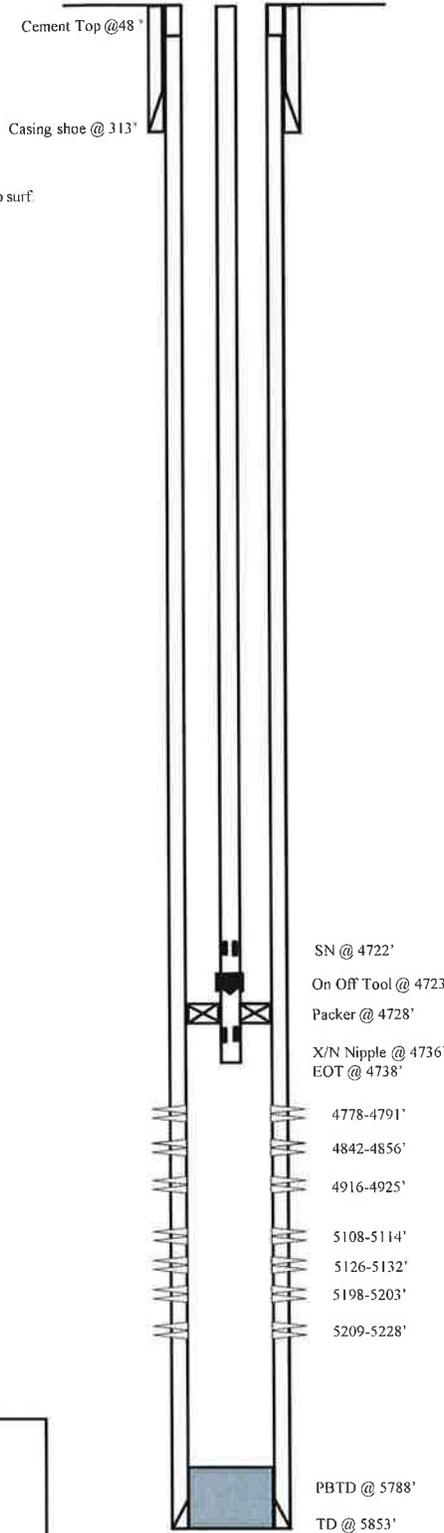
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (300.96')
 DEPTH LANDED: 312.81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf'

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: 4737.62'
 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 LODC 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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
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: STATE 4-16-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013338480000
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: 0660 FNL 0815 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 16 Township: 09.0S Range: 16.0E Meridian: S
	COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/17/2013	<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 2:00 PM on 07/17/2013.

Accepted by the Utah Division of Oil, Gas and Mining

Date: August 19, 2013

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/22/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
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: STATE 4-16-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013338480000
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: 0660 FNL 0815 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 16 Township: 09.0S Range: 16.0E Meridian: S
	COUNTY: DUCHESNE
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/17/2013	<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 2:00 PM on 07/17/2013.

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

Date: August 19, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/22/2013	

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

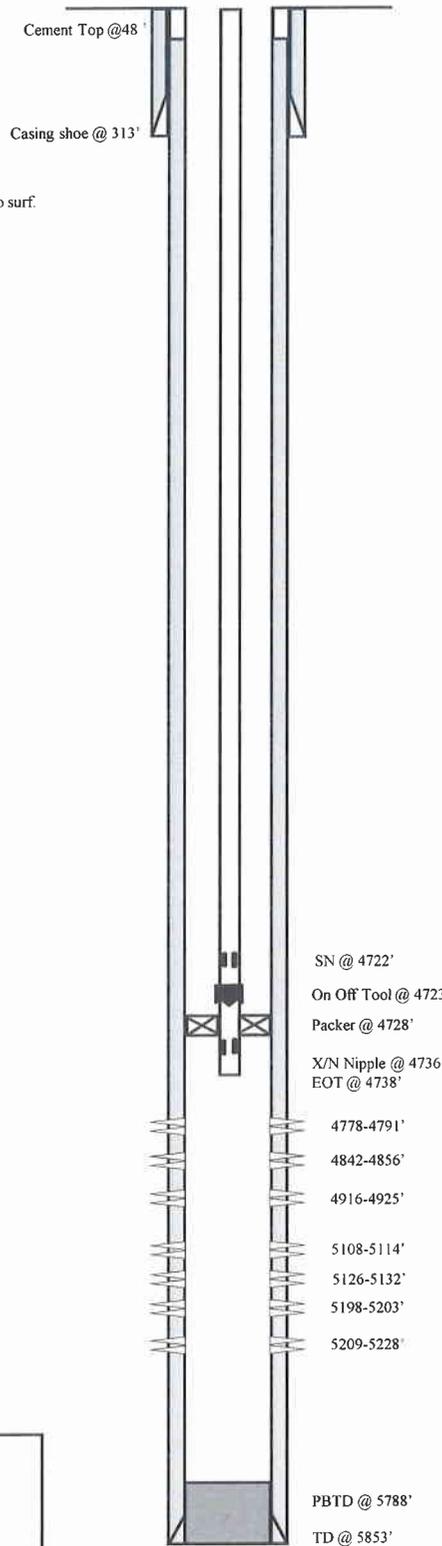
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts (300 96')
 DEPTH LANDED 312 81' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf.

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 Premlite 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: 4737 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 LODC 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
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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



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-400

Operator: Newfield Production Company
Well: State 4-16-9-16
Location: Section 16, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33848
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on December 11, 2012.
2. Maximum Allowable Injection Pressure: 1,673 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,996' – 5,788')
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

7-15-2013
Date

JR/MLR/js

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

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: STATE 4-16-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013338480000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 0815 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 16 Township: 09.0S Range: 16.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/3/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The subject well has been converted from a producing oil well to an injection well on 07/02/2013. On 07/03/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test.

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

Date: July 10, 2013

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 7/8/2013

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: _____ Date 7/3/13 Time 9:00 am pm
Test Conducted by: Riley Basly
Others Present: _____

Well: <u>State 4-16-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>State 4-16-9-16</u>	API No: <u>430133384</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1100</u>	psig
5	<u>1100</u>	psig
10	<u>1100</u>	psig
15	<u>1100</u>	psig
20	<u>1100</u>	psig
25	<u>1100</u>	psig
30 min	<u>1100</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

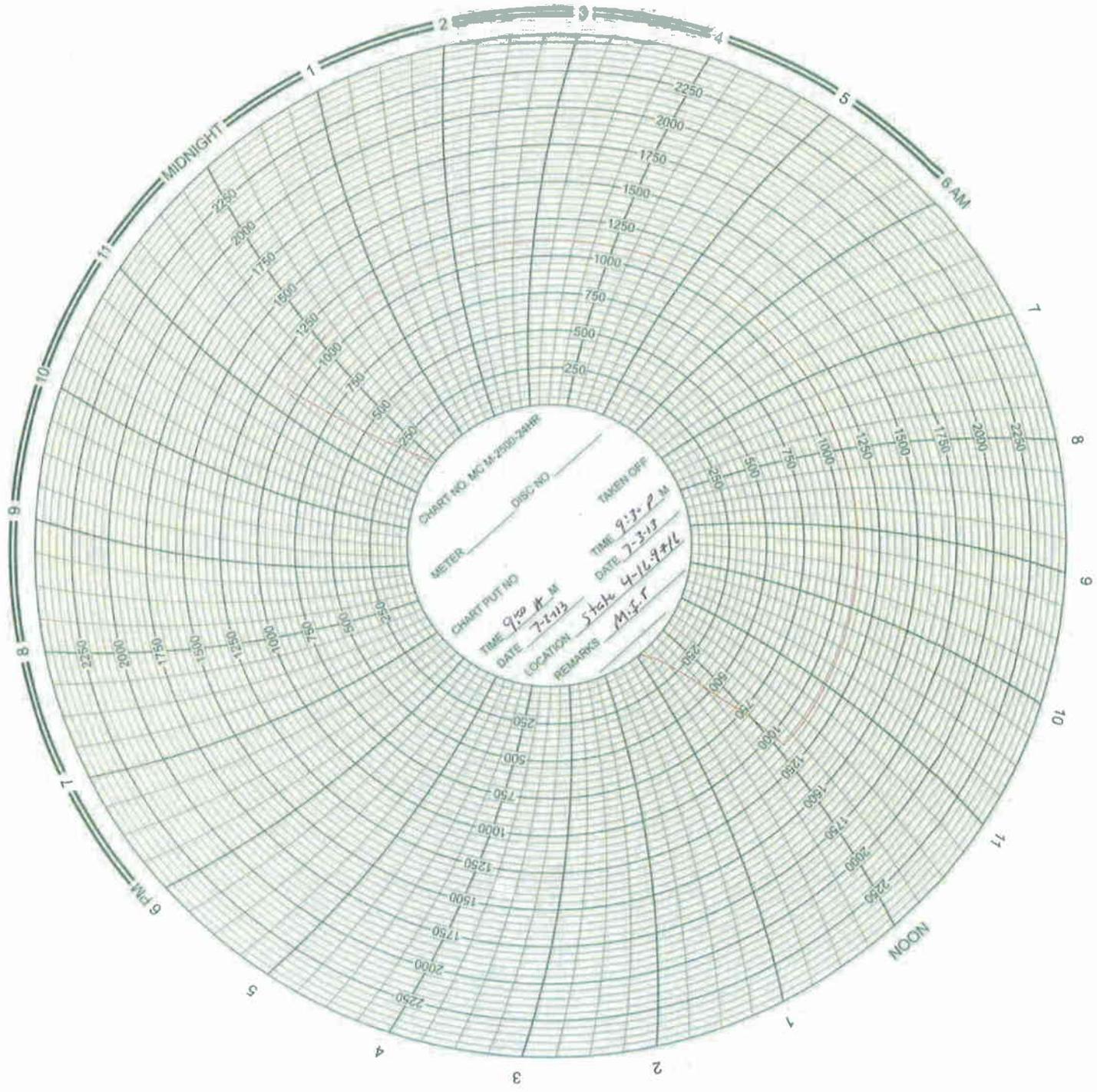
Tubing pressure: 250 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Riley Basly

Sundry Number: 39831 API Well Number: 43013338480000



Daily Activity Report

Format For Sundry

STATE 4-16-9-16

5/1/2013 To 9/30/2013

6/20/2013 Day: 1

Conversion

NC #1 on 6/20/2013 - miru nc#1,r/d unit,h/o csg,p/u on rod strng,rods were parted,pooH w/rod strng,rih & fish rods,u/s pmp,flush tbg,s/p,fill & p/tst to 3500 psi,pooH l/d rod prod,n/u bop,rel t/a,pooH w/10 jts tbg redope tool jts,swi,c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM Prep Rig For Move. MIRU NC#1, Advantage H/Oiler pmp 60 BW D/Csg, R/D Unit, P/U On Rod String Rods Were Parted, POOH W/-Rod String To Part On Rod #56 Body Break. P/U & RIH W/-Ovrshot & Rod String To Fish Top, Latch On Fish U/S pmp, Flush Tbg W/-35 BW, S/P, Fill Tbg W/-15 BW, P/Test Tbg To 3,500 Psi, Good Test. U/S pmp, POOH & L/D Rod String & pmp. Flushed Tbg W/-20 BW On TOOH Due To Oil.N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-10 Jts Tbg Redoping Tool Jts, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM Prep Rig For Move. MIRU NC#1, Advantage H/Oiler pmp 60 BW D/Csg, R/D Unit, P/U On Rod String Rods Were Parted, POOH W/-Rod String To Part On Rod #56 Body Break. P/U & RIH W/-Ovrshot & Rod String To Fish Top, Latch On Fish U/S pmp, Flush Tbg W/-35 BW, S/P, Fill Tbg W/-15 BW, P/Test Tbg To 3,500 Psi, Good Test. U/S pmp, POOH & L/D Rod String & pmp. Flushed Tbg W/-20 BW On TOOH Due To Oil.N/D W/-HD, N/U BOP, R/U R/Flr, Rel T/A, POOH W/-10 Jts Tbg Redoping Tool Jts, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$8,647

6/21/2013 Day: 2

Conversion

NC #1 on 6/21/2013 - pooH w/-150 jts tbg redope tool jts,l/d 15 jts tbg,t/a,1 jt,s/n,2 jts,n/c. rih w/-injection pkr bha,150 jts tbg,flush tbg w/-30 bw,drop sv,fill tbg,p/tst tbg to 3,000 psi,t bg psi never stabilized,swi,c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, POOH W/-150 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 15 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. P/U & RIH W/- 2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X6' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 OD On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, Flush Tbg W/-30 BW,Drop SV,Fill Tbg, P/Test Tbg To 3,000 Psi, Tbg Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, POOH W/-150 Jts Tbg In Derrick Breaking & Redoping Tool Jts, L/D 15 Jts Tbg, T/A, 1 Jt Tbg, S/N, 2 Jts Tbg, N/C. P/U & RIH W/- 2 3/8 Re entry Guide, 2 3/8 X/N Nipple, 2 3/8X6' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, 4 3/4 OD On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, Flush Tbg W/-30 BW,Drop SV,Fill Tbg, P/Test Tbg To 3,000 Psi, Tbg Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl.

Daily Cost: \$0

Cumulative Cost: \$16,397

6/24/2013 Day: 3

Conversion

NC #1 on 6/24/2013 - owu good tst on tbg,fish sv,pmp pkr fluid,set pkr,fill csg,p/tst csg & pkrto 1500 psi,pressure droping 20 psi in 30 min,swi, c/sdfn, check csg psi in AM For Test. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD, Advantage H/Oiler pmp 50 BW W/-15 Gal Pkr Fluid D/Csg,N/D W/-HD, Set Pkr In 16,000 Tension, N/U W/-HD, Fill Csg W/-45 BW Pkr Fluid, P/Test Csg To 1,500 Psi, Csg.Psi Droping 20 Psi In 30 Min, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3,000 Psi On Tbg Good Test. R/U S/Line

Ovrshot RIH & Fish SV. R/D R/Flr, N/D BOP, N/U W/-HD, Advantage H/Oiler pmp 50 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 16,000 Tension, N/U W/-HD, Fill Csg W/-45 BW Pkr Fluid, P/Test Csg To 1,500 Psi, Csg Psi Dropping 20 Psi In 30 Min, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$24,727

6/25/2013 Day: 4

Conversion

NC #1 on 6/25/2013 - chek csg psi 1360, bmp csg psi to 1500 psi, leaked 10 psi in 30 min, n/u bop, pooh w/tbg inj string, change pkr, rih w/new pkr & inj string, drop sv, p/tst tbg, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1360 Psi On Csg, R/U Advantage H/Oiler Bump Csg Psi To 1,500 Psi, Leaked 10 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-150 Jts Tbg, S/N, On Off Tool, Pkr & Pkr Assembly. H/Oiler Flushed Tbg W/-25 BW On TOOH Due To Oil. P/U & RIH W/- 2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/U H/Oiler pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-25 BW, P/Test Tbg To 3,000 Psi, Pressure Not Stabilized, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1360 Psi On Csg, R/U Advantage H/Oiler Bump Csg Psi To 1,500 Psi, Leaked 10 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-150 Jts Tbg, S/N, On Off Tool, Pkr & Pkr Assembly. H/Oiler Flushed Tbg W/-25 BW On TOOH Due To Oil. P/U & RIH W/- 2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, 5 1/2" Arrow #1 Pkr, On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/U H/Oiler pmp 20 BW Pad D/Tbg, Drop SV, Fill Tbg W/-25 BW, P/Test Tbg To 3,000 Psi, Pressure Not Stabilized, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$44,104

6/26/2013 Day: 5

Conversion

NC #1 on 6/26/2013 - owu good tst on tbg, n/d, pmp pkr fluid, set pkr, fill & p/test csg & pkr to 1500 psi, Pressure Dropping 20 psi in 30 min, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3150 Psi On Tbg, Gained 150 Psi Ovr Night. R/D R/Flr, N/D BOP, N/U W/-HD, R/U Advantage H/Oiler pmp 40 BW D/Csg, pmp 50 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-15 BW, P/Test Csg & Pkr To 1,500 Psi, Pressure Not Stabilized Loosing 20 Psi In 30 Min, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-3150 Psi On Tbg, Gained 150 Psi Ovr Night. R/D R/Flr, N/D BOP, N/U W/-HD, R/U Advantage H/Oiler pmp 40 BW D/Csg, pmp 50 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-15 BW, P/Test Csg & Pkr To 1,500 Psi, Pressure Not Stabilized Loosing 20 Psi In 30 Min, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$52,319

6/27/2013 Day: 6

Conversion

NC #1 on 6/27/2013 - owu, lost 480 psi ovr night, bump csg psi to 1500, p/tst csg, no tst. rel pkr, pooh reset pkr @ 3712', p/tst csg & pkr, leaked 25 psi in 30 Min, rel pkr, pooh reset pkr @ 2706', p/tst csg & pkr to 1500 psi, pkr leaking 500 psi in 1 min, pooh w/pkr, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU Csg Lost 480 Psi Ovr Night, R/U H/Oiler Bump Csg Psi To 1,500 Psi, P/Tst Csg & Pkr, Leah 20 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-32 Jts Tbg, Set Pkr @ 3712' Fill Csg W/-45 BW, Test Csg & Pkr To 1500 Psi For 1 1/2 Hrs, Leaked 25 Psi In 30 Min, Rel Pkr, POOH W/-32 Jts Tbg, Reset Pkr @ 2706', Fill Csg W/-43

BW,Pkr Leaking 500 Psi In 1 Min, Possible Pkr Elements Are Gone. Rel Pkr, POOH W/-86 Jts Tbg & Pkr Assembly. Flushed Tbg W/-20 BW On TOOH Due To Oil, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU Csg Lost 480 Psi Ovr Night, R/U H/Oiler Bump Csg Psi To 1,500 Psi, P/Tst Csg & Pkr, Leah 20 Psi In 30 Min. N/D W/-HD, N/U BOP, R/U R/Flr, Rel Pkr, POOH W/-32 Jts Tbg, Set Pkr @ 3712' Fill Csg W/-45 BW, Test Csg & Pkr To 1500 Psi For 1 1/2 Hrs, Leaked 25 Psi In 30 Min, Rel Pkr, POOH W/-32 Jts Tbg, Reset Pkr @ 2706', Fill Csg W/-43 BW, Pkr Leaking 500 Psi In 1 Min, Possible Pkr Elements Are Gone. Rel Pkr, POOH W/-86 Jts Tbg & Pkr Assembly. Flushed Tbg W/-20 BW On TOOH Due To Oil, SWI, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$59,131

6/28/2013 Day: 7

Conversion

NC #1 on 6/28/2013 - Rih w/-plg & pkr, set plg @ 4727', fill csg & tbg, set pkr @ 4753', p/tst tbg & csg to 1500 psi, good tst, rel tools, pooh w/pkr & plg. Rih w/injection prod strng, n/d bop, n/u pmp pkr fluid, set pkr, p/tst pkr, csg never stblized, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, P/U RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 HD Pkr, 150- Jts 2 7/8 Tbg, Set Plg @ 4727', POOH W/-2 Jts Tbg, R/U Advantage H/Oiler Fill Csg & Tbg W/-83 BW, Set Pkr @ 4753', P/Test Tbg To 1500 Psi, P/Test Csg To 1500 Psi, Tbg Gained 15 Psi & Csg Gained 100 Psi In 1 1/2 Hrs, (Good Test). Rel Pkr, RIH To Plg, Rel Plg, POOH W/-Tbg, Pkr & Plg. P/U & RIH W/-2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, New 5 1/2 Arrow #1 Pkr, New 2 2/8 On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/D R/Flr, N/D BOP, N/U W/-HD, pmp 75 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg To 1500 Psi, Csg Psi Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, P/U RIH W/-5 1/2 TS Plg, Ret HD, 2 3/8X4' Tbg Sub, 5 1/2 HD Pkr, 150- Jts 2 7/8 Tbg, Set Plg @ 4727', POOH W/-2 Jts Tbg, R/U Advantage H/Oiler Fill Csg & Tbg W/-83 BW, Set Pkr @ 4753', P/Test Tbg To 1500 Psi, P/Test Csg To 1500 Psi, Tbg Gained 15 Psi & Csg Gained 100 Psi In 1 1/2 Hrs, (Good Test). Rel Pkr, RIH To Plg, Rel Plg, POOH W/-Tbg, Pkr & Plg. P/U & RIH W/-2 3/8 Re Entry Guide, 2 3/8 X/N Nipple, 2 3/8X4' Tbg Sub, 2 3/8X2 7/8 XO, New 5 1/2 Arrow #1 Pkr, New 2 2/8 On Off Tool, 2 7/8 S/N, 150 Jts 2 7/8 Tbg, R/D R/Flr, N/D BOP, N/U W/-HD, pmp 75 BW W/-15 Gal Pkr Fluid D/Csg, N/D W/-HD, Set Pkr In 15,000 Tension, N/U W/-HD, Fill Csg W/-25 BW, P/Test Csg To 1500 Psi, Csg Psi Never Stabilized, SWI, 6:00PM C/SDFN, 6:00PM-6:30PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$70,338

7/1/2013 Day: 8

Conversion

NC #1 on 7/1/2013 - owu w/-660 psi on csg, bump csg psi to 1500 psi, csg leaking 10 psi in 30 min, pmp 20 bw pad d/tbg, drop sv, fill tbg, p/tst tbg to 2000 psi, good tst. fish sv, p/tst csg to 1500 psi, swi, c/sdfn. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-660 Psi On Csg, R/U BMW H/Oiler, Bump Csg Psi To 1,500 Psi, No Test bleeding off 10 Psi In 30 Min, Bleed Csg Down To 500 Psi, pmp 20 BW Pad D/Tbg, Drop SV RIH W/-S/Line Tapp On SV, Fill Tbg W/-27 BW, P/Test Tbg To 2000 Psi, Leave Csg @ 500 Psi, Watch Tbg & Csg Psi, Held Good 1 1/2 Hrs No Psi Loss, R/U S/Line Ovrshot RIH & Fish SV. Bump Csg Psi To 1,500 Psi, SWI, Check Csg Psi In AM, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-660 Psi On Csg, R/U BMW H/Oiler, Bump Csg Psi To 1,500 Psi, No Test bleeding off 10 Psi In 30 Min, Bleed Csg Down To 500 Psi, pmp 20 BW Pad D/Tbg, Drop SV RIH W/-S/Line Tapp On SV, Fill Tbg W/-27 BW, P/Test Tbg To 2000 Psi, Leave Csg @ 500 Psi, Watch Tbg & Csg Psi, Held Good 1 1/2 Hrs No Psi Loss, R/U S/Line Ovrshot RIH & Fish SV. Bump Csg Psi To 1,500 Psi, SWI, Check Csg Psi In AM, 5:30PM C/SDFN, 5:30PM-6:00PM C/Trvl. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$77,583

7/2/2013 Day: 9

Conversion

NC #1 on 7/2/2013 - check csg psi,good test,r/d rig,move out, well ready for mit (final rig report). - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1500 Psi On Csg, Good Test. Rack Out Eq, R/D Rig, Move Out @ 8:00AM.(Final Rig Report) Ready For MIT. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU W/-1500 Psi On Csg, Good Test. Rack Out Eq, R/D Rig, Move Out @ 8:00AM.(Final Rig Report) Ready For MIT.

Daily Cost: \$0

Cumulative Cost: \$79,483

7/8/2013 Day: 10

Conversion

Rigless on 7/8/2013 - Conduct initial MIT - On 07/3/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test. - On 07/3/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/03/2013 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was not a State representative available to witness the test. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$111,317

Pertinent Files: Go to File List

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

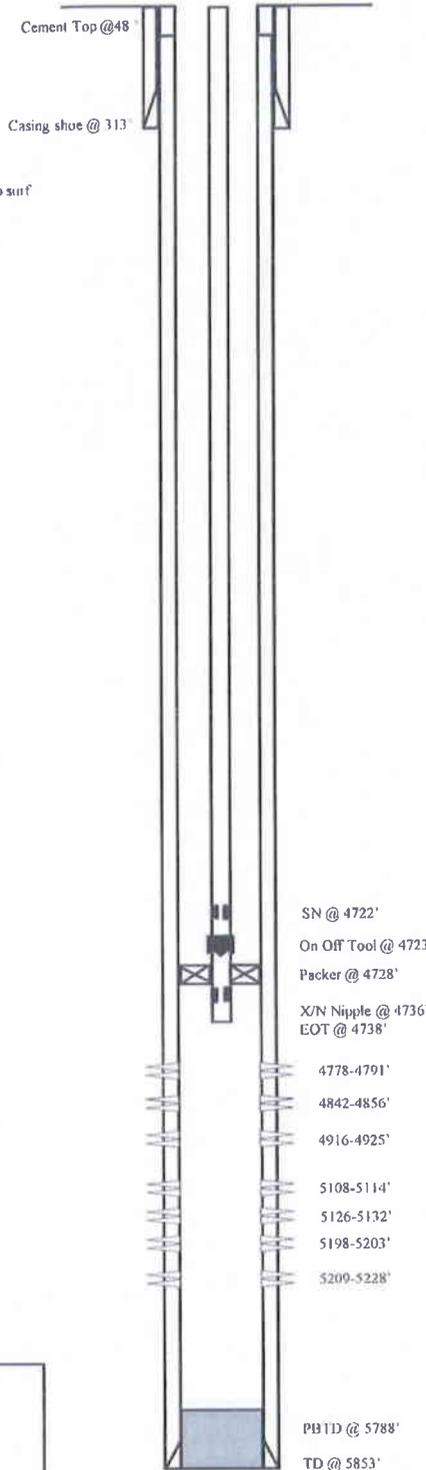
CSG SIZE 8-5/8"
 GRADE J-55
 WEIGHT 24#
 LENGTH 7jts (300 96')
 DEPTH LANDED: 312.81' KB
 HOLE SIZE 12-1/4"
 CEMENT DATA 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf

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 sxs Premilite II and 400 sxs 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 4737 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 LODC 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



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 11, 2012

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

Subject: Greater Monument Butte Unit Well: State 4-16-9-16, Section 16, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33848

Gentlemen:

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

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,996 feet in the State 4-16-9-16 well.



December 11, 2012
Newfield State 4-16-9-16
Page 2

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

Sincerely,



John Rogers
Associate Director

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Duchesne County
Newfield Production Company, Myton
Well File
N:\O&G Reviewed Docs\ChronFile\UIC

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

Applicant: Newfield Production Company **Well:** State 4-16-9-16

Location: 16/9S/16E **API:** 43-013-33848

Ownership Issues: The proposed well is located on State of Utah 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 313 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,833 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,120 feet. A 2 7/8 inch tubing with a packer will be set at 4,728 feet. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 14 producing wells in the AOR. One of the producing wells is horizontally drilled with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there is 1 approved surface location inside the AOR from which a horizontal well will be drilled to a bottom hole location outside the AOR. Finally, there are 4 approved surface locations outside the AOR for directional wells with bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2500 feet. Injection shall be limited to the interval between 3,996 feet and 5,788 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-16-9-16 well is 0.78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,673 psig. The requested maximum pressure is 1,673 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.

State 4-16-9-16

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 State of Utah

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: 10/17/2012

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

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	10/31/2012

RECEIVED
NOV 06 2012
DIV OF OIL, GAS & MINING

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUMBER	
8015385340		0000834494 /	
SCHEDULE			
Start 10/31/2012		End 10/31/2012	
CUST. REF. NO.			
UIC-400			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL			
SIZE			
57	Lines	2.00	COLUMN
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
TOTAL COST			
196.52			

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-400

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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) 893-0103 for administrative approval of the following well located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument State Well
State 4-16-9-16 well located in NW/4, NW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33848

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

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

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-6340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate to the hearing how this matter affects their interests.

Dated this 29th day of October, 2012.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
834494

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-400 IN THE MATTER OF THE APPLIC** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 10/31/2012 End 10/31/2012

SIGNATURE *Brad Hill*

VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 581489
My Commission Expires
January 12, 2014

Virginia Craft

10/31/2012

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

Send Payments to:
 Uintah Basin Standard
 268 S 200 E
 Roosevelt, Utah 84066
 Phone: 435-722-5131
 Fax: 435-722-4140



Invoice Number	37870	Invoice Date	11/6/2012
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Advertiser No.	2080	Invoice Amount	\$99.45	Due Date	12/6/2012
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DIVISION OF OIL GAS & MINING
 Rose Nolton
 1594 W. N. TEMPLE STE 121
 PO BOX 145801
 SALT LAKE CITY, UT 84114-5801

RECEIVED
 NOV 08 2012
 DIV. OF OIL, GAS & MINING

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

Amount Enclosed

Please detach top portion and return with your payment.

INVOICE

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 37870

11/6/2012

Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
11/6/2012	18806 UBS	UBS Legal Notice: Notice of Agency Action, Cause No. UIC-400 Pub. Nov 6, 2012				\$99.45
					Sub Total:	\$99.45
Total Transactions: 1					Total:	\$99.45

SUMMARY

Advertiser No. 2080

Invoice No.

37870

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

Thank You for your business!

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

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 6 day of November, 20 12, and that the last publication of such notice was in the issue of such newspaper dated the 6 day of November, 20 12, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

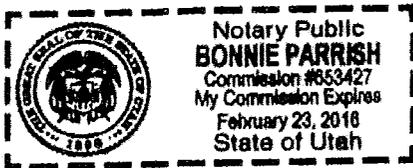
Kevin Ashby
Publisher

Subscribed and sworn to before me on this

7 day of November, 20 12

by Kevin Ashby.

Bonnie Parrish
Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC- 400

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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 well located in Duchesne County, Utah, for conversion to Class II injection well:

Greater Monument Butte Unit:
State 4-16-9-16 well located in NW/4,

NW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33848
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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

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

Dated this 29th day of October, 2012.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/
Brad Hill
Permitting Manager
Published in the
Uintah Basin Standard
November 6, 2012.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC- 400

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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Dated this 29th day of October, 2012.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company
State 4-16-9-16
Cause No. UIC-400

Publication Notices were sent to the following:

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

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102-2818

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

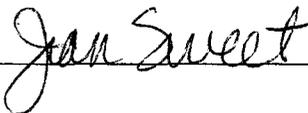
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

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

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

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

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 29, 2012

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-400

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 - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-400

From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: Jean Sweet <jsweet@utah.gov>
Date: 11/1/2012 9:49 AM
Subject: Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-400

On 10/29/2012 2:52 PM, Jean Sweet wrote:

To Whom It May Concern:

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

Please send proof of publication and billing to:

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

Sincerely,

Jean Sweet, Executive Secretary
Utah Div. of Oil, Gas & Mining
1594 West Temple, Suite 1210
Salt Lake City, UT
801-538-5329
jsweet@utah.gov

It will run Nov. 6,
Thank you
Cindy



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 29, 2012

VIA E-MAIL naclegal@mediaoneutah.com

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

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-400

To Whom It May Concern:

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

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

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

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



From: "Fultz, Mark" <naclegal@mediaoneutah.com>
To: <jsweet@utah.gov>
Date: 10/29/2012 3:13 PM
Subject: Legal Notice
Attachments: OrderConf.pdf

AD# 834494
Run Trib/DNews - 10/31
Cost \$196.52
Thank you
mark

Order Confirmation for Ad #0000834494-01

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

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- 400

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF ONE WELL LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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 well located in Duchesne County, Utah, for conversion to Class II injection well:

Greeter Mountain Butte Units
State 4-16-9-16 well located in NW/4, NW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33848

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

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

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

Dated this 29th day of October, 2012.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
834494

UPAXLP

Total Amount	\$196.52			
Payment Amt	\$0.00			
Amount Due	\$196.52	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	UIC-400	

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 57 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/31/2012	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/31/2012	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/31/2012	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	10/31/2012	



October 10, 2012

RECEIVED
OCT 12 2012
DIV. OF OIL, GAS & MINING

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

RE: Permit Application for Water Injection Well
State #4-16-9-16
Monument Butte Field, Lease #ML-16532
Section 16-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the State #4-16-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", with a long, sweeping horizontal line extending to the right.

Eric Sundberg
Regulatory Manager

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
STATE #4-16-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #ML-16532
OCTOBER 10, 2012

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ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
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ATTACHMENT E-4	WELLBORE DIAGRAM – STATE #6-16-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – STATE #11-16-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – STATE #12-16-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – FEDERAL #16-8-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #11A-9-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #12-9-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #14-9-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – FEDERAL #15-9-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – FEDERAL #1-17-9-16
ATTACHMENT E-13	WELLBORE DIAGRAM – FEDERAL #2-17-9-16
ATTACHMENT E-14	WELLBORE DIAGRAM – FEDERAL #8-17-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 5/22/08 – 6/4/08
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

State 4-16-9-16

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

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.

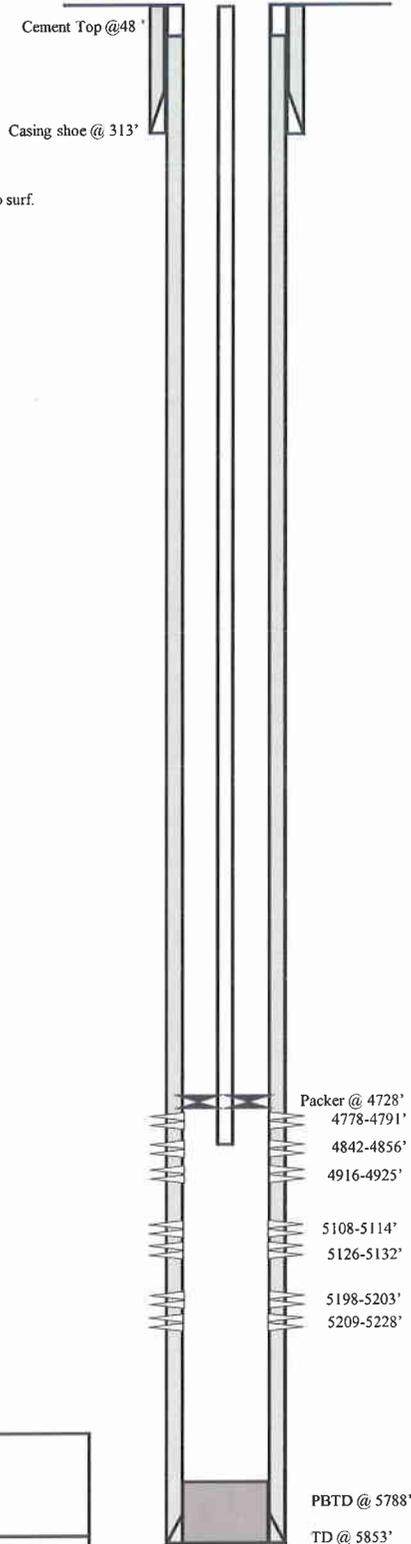
PRODUCTION CASING

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 Premlite 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: 175 jts 5182.02
 TUBING ANCHOR: 5194.02'
 NO. OF JOINTS: 1jt (31.52')
 SEATING NIPPLE: 2 7/8"
 SN LANDED AT: 5228.29'
 NO. OF JOINTS: 2jts 62.47
 TOTAL STRING LENGTH: EOT@ 5292.31'

Proposed Injection Wellbore Diagram



FRAC JOB

05-28-08 5209-5228' Frac LODC 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.

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

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 State #4-16-9-16 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 State #4-16-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3996' - 5788'). 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 3670' and the TD is at 5853'.

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

The referenced log for the State #4-16-9-16 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 State lease (Lease #ML-16532) 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 313' KB, and 5-1/2", 15.5# casing run from surface to 5833' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

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

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

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

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1673 psig.

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

The minimum fracture gradient for the State #4-16-9-16, for existing perforations (4778' - 5228') calculates at 0.78 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 1673 psig. We may add additional perforations between 3670' and 5853'. See Attachments G and G-1.

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

In the State #4-16-9-16, the proposed injection zone (3996' - 5788') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-14.

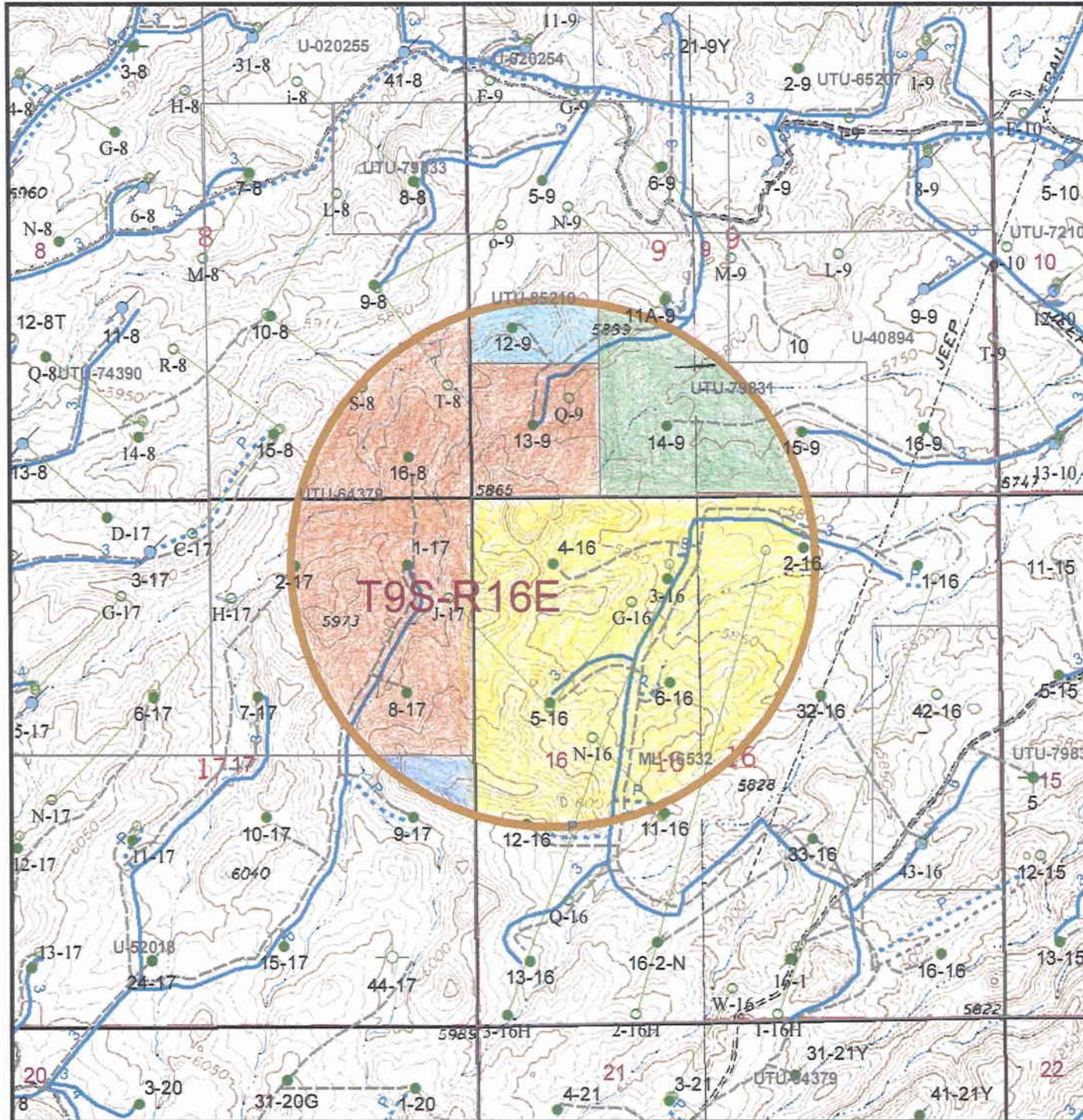
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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

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

See Attachment C.

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

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



WellStatus_HalfMile_Buffer

Well Status

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

Injection system

- high pressure
- low pressure
- proposed
- return
- return proposed

Leases

- Leases
- Mining tracts

Countyline

- Countyline

State of UT
ML-16532

UTU-64379

UTU-85210

UTU-79831

UTU-52018

State 4-16
Section 16, T9S-R16E

NEWFIELD

ROCKY MOUNTAINS 1 in = 1,500 feet

1/2 Mile Radius Map
Duchesne & Uintah Counties

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

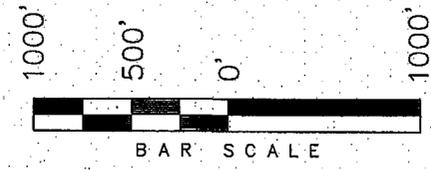
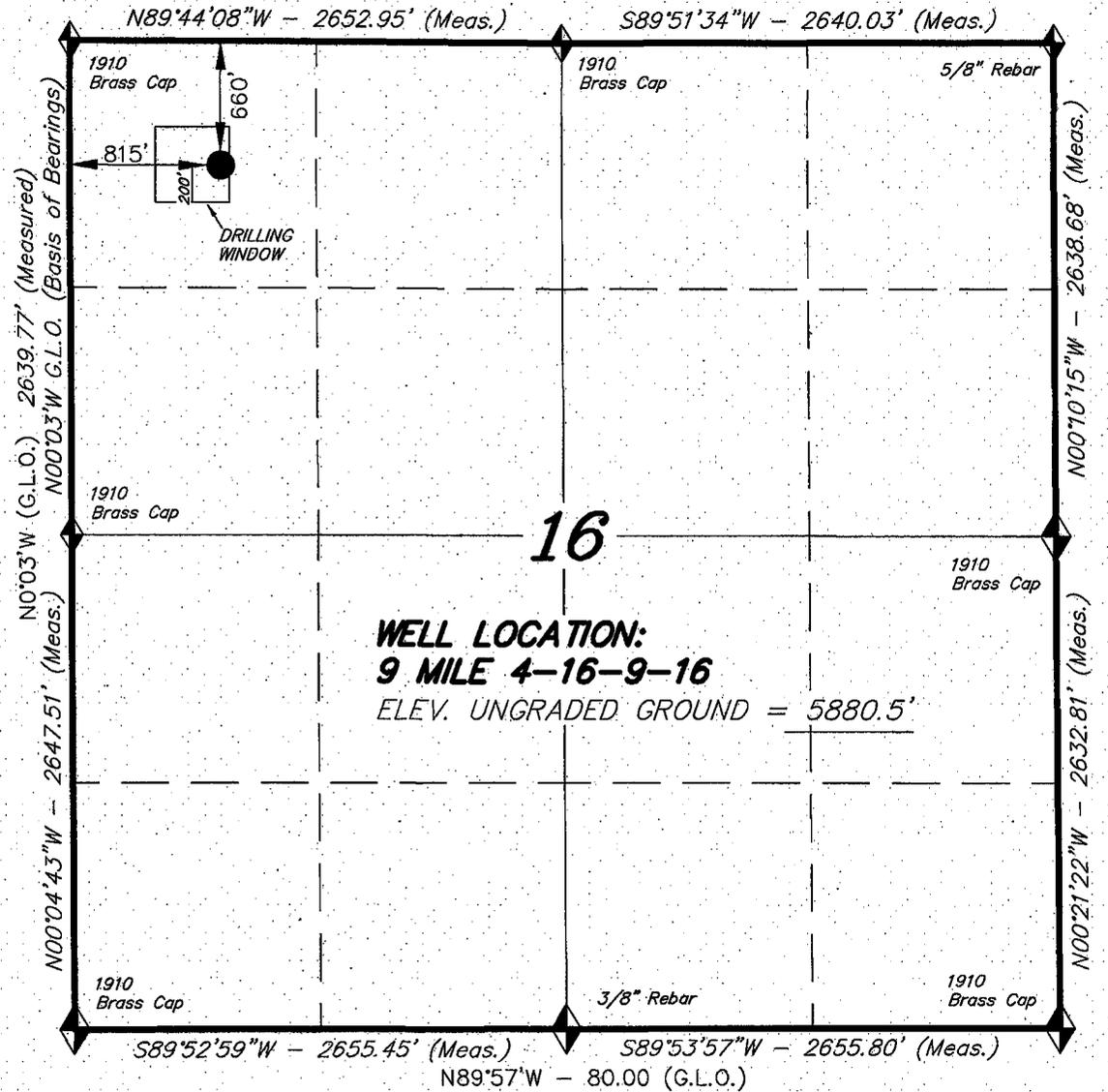
August 20, 2012

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

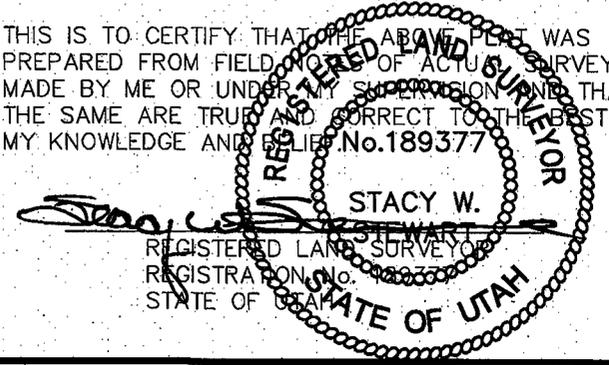
N89°50'W - 80.24 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 4-16-9-16,
 LOCATED AS SHOWN IN THE NW 1/4 NW
 1/4 OF SECTION 16, 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 4-16-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 02' 10.68"
 LONGITUDE = 110° 07' 51.04"

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

DATE SURVEYED: 10-11-07	SURVEYED BY: C.M.
DATE DRAWN: 10-31-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

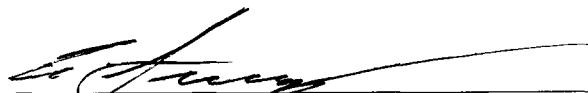
#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-616E SLM Section 16: All	State of Utah ML 16532 HBP	Newfield RMI LLC QEP Energy Company El Paso E&P Company LP American Petroleum Corp Brave River Production Trans Republic Resources Inc	State of Utah
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 9: NWSW	USA UTU-85210 HBP	Newfield Production Company	USA
4	T9S-R16E SLM Section 9: E2SW, SWSE	USA UTU-79831 HBP	Newfield Production Company Newfield RMI LLC	USA
5	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
State #4-16-9-16

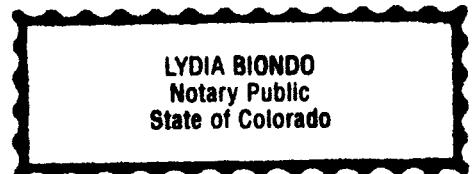
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Eric Sundberg
Regulatory Manager

Sworn to and subscribed before me this 11 day of October, 2012.

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

My Commission Expires: 12/31/2015



State 4-16-9-16

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

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

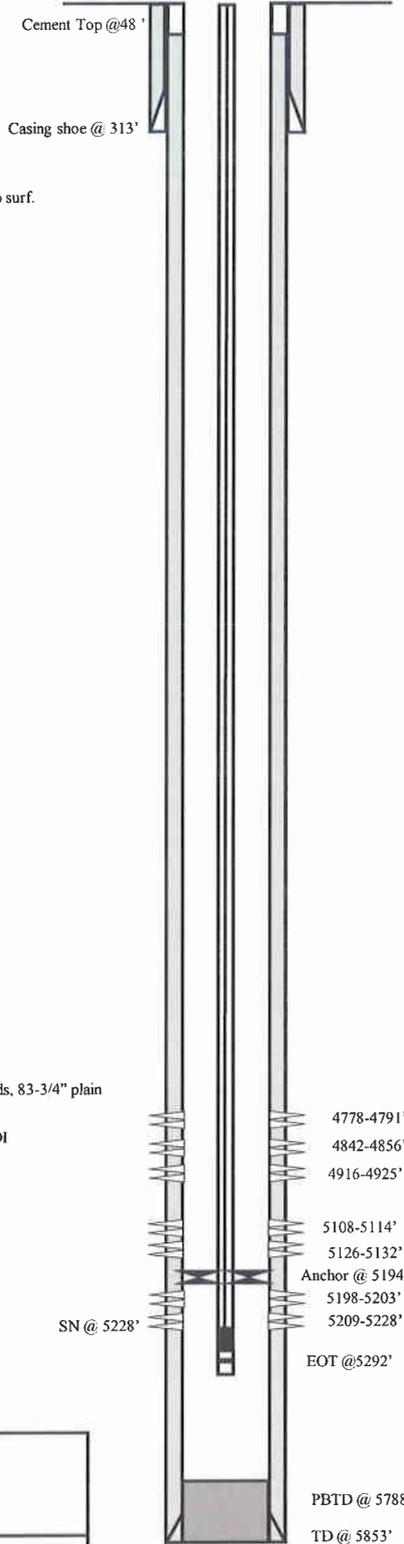
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 158jts 5819.28
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5832.53'
 CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz
 CEMENT TOP AT: 48'

TUBING

SIZE/GRADE/WT.: 2 7/8" J-55 /6.5#
 NO. OF JOINTS: 175 jts 5182.02
 TUBING ANCHOR: 5194.02'
 NO. OF JOINTS: 1jt (31.52')
 SEATING NIPPLE: 2 7/8"
 SN LANDED AT: 5228.29'
 NO. OF JOINTS: 2jts 62.47
 TOTAL STRING LENGTH: EOT@ 5292.31'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod
 SUCKER RODS: 1-2', 8' x 3/4" pony subs, 99-3/4" guided rods, 83-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight bars
 PUMP SIZE: 2 1/2" x 1 1/2" x 12' x 15 1/2" RHAC rod pump CDI
 STROKE LENGTH: 58
 PUMP SPEED, SPM: 5



FRAC JOB

05-28-08 5209-5228' Frac LODC 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.

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

State 2-16-9-16

Spud Date: 3/31/08
 Put on Production: 5/28/08
 GL: 5809' KB: 5821'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (314.36')
 DEPTH LANDED: 324.36'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx Class "G", circ. 3 bbls to surf.

PRODUCTION CASING

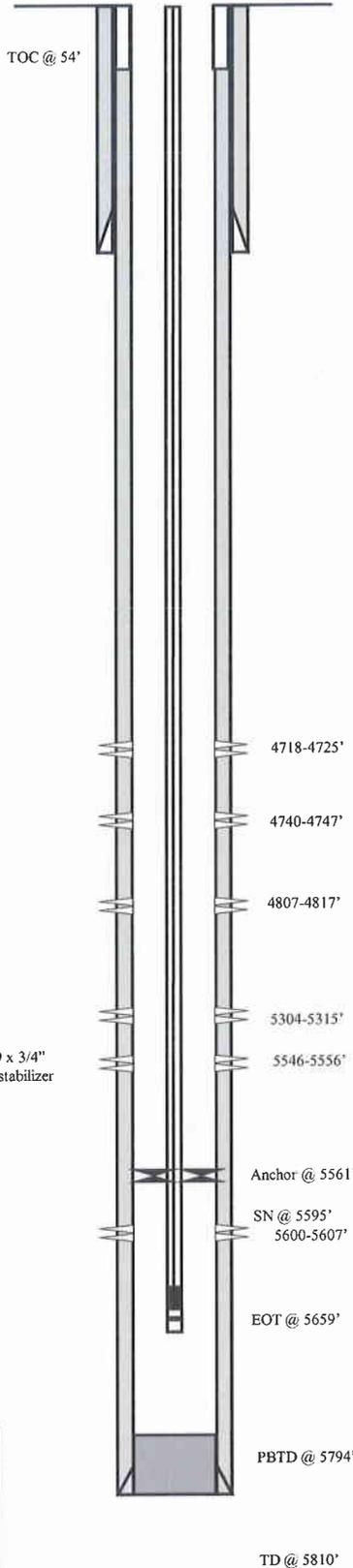
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141 jts (5817.67')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5815.67'
 CEMENT DATA: 315 sxs Prem. Lite II & 415 sxs 50/50 Poz
 CEMENT TOP AT: 54' per CBL 5/15/08

TUBING (GI 4/5/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 178 jts (5548.8')
 TUBING ANCHOR: 5560.8'
 NO. OF JOINTS: 1 jt (31.5')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5595.1' KB
 NO. OF JOINTS: 2 jts (62.1')
 NOTCHED COLLAR: 2-7/8" (0.5')
 TOTAL STRING LENGTH: EOT @ 5659' KB

SUCKER RODS (GI 4/5/11)

POLISHED ROD: 1-1/2" x 26' polished rod
 SUCKER RODS: 8', 4', 4' 7/8" pony rods, 97 x 3/4" guided rods, 79 x 3/4" guided rods, 40 x 3/4" guided rods, 6 x 1-1/2" weight rods, 6(4") x 1" stabilizer rods.
 PUMP SIZE: 2-1/2" x 1-1/4" x 16 RHAC
 STROKE LENGTH: 63"
 PUMP SPEED, SPM: 4
 PUMPING UNIT: LUFKIN C-228-212-86



FRAC JOB

05-21-08 5546-5556' **Frac CPI sds as follows:**
 15,030# 20/40 sand in 274 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1971 psi @ ave rate of 26.4 BPM. ISIP 1642 psi. Actual Flush: 5040 gals.

05-21-08 5304-5315' **Frac LODC sds as follows:**
 20,640# 20/40 sand in 313 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2881 psi @ ave rate of 23 BPM. ISIP 2797 psi. Actual Flush: 4801 gals.

05-21-08 4807-4817' **Frac C sds as follows:**
 24,830# 20/40 sand in 339 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2219 psi @ ave rate of 23 BPM. ISIP 2256 psi. Actual Flush: 4330 gals.

05-22-08 4718-4725' **Frac D2 & D3 sds as follows:**
 25,834# 20/40 sand in 447 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2017 psi @ ave rate of 23.5 BPM. ISIP 2000 psi. Actual flush: 4670 gals.

2/18/09 Tubing Leak. Updated r & t details.
 4/7/11 Tubing leak. Updated Rod & tubing details.

PERFORATION RECORD

Depth Interval	Number of JSPF	Number of Holes
4718-4725'	4 JSPF	28 holes
4740-4747'	4 JSPF	28 holes
4807-4817'	4 JSPF	40 holes
5304-5315'	4 JSPF	44 holes
5546-5556'	4 JSPF	40 holes
5600-5607'	4 JSPF	28 holes

NEWFIELD

State 2-16-9-16
 497' FNL & 1982' FEL
 NW/NE Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33846; Lease #ML-16532

State 3-16-9-16

Spud Date: 02-28-08
 Put on Production: 05-13-08
 GL: 5841' KB: 5853'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts
 DEPTH LANDED: 443'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 209 sx Class "G" cmt

PRODUCTION CASING

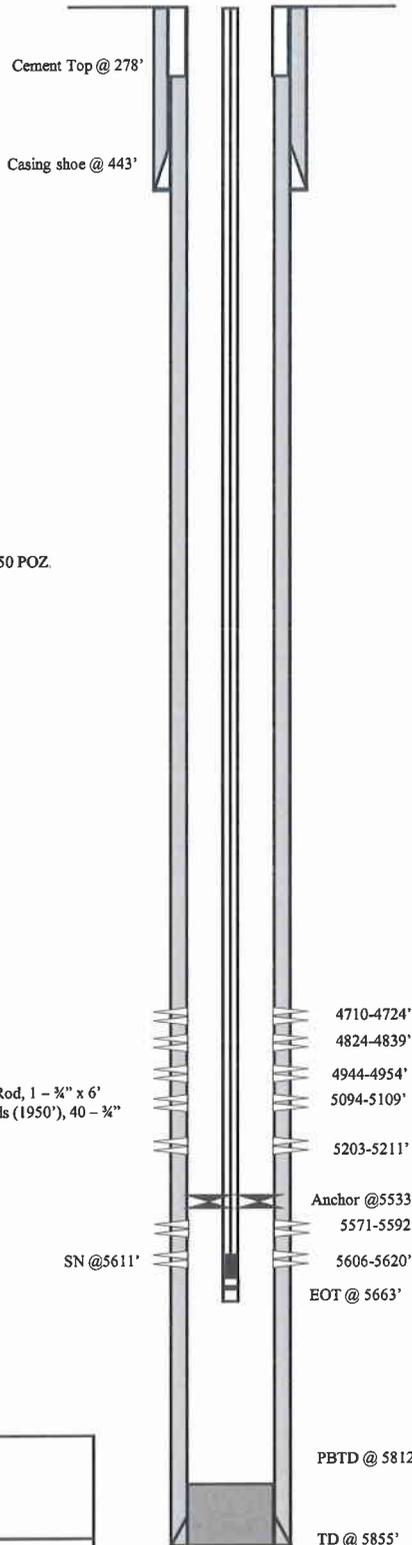
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5855.97'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 278'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 176 jts (5533.4')
 TUBING ANCHOR: 5533.4'
 NO. OF JOINTS: 2 jts (62.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5599.1' KB
 NO. OF JOINTS: 2 jts (62.80')
 NOTCHED COLLAR: 5663.0' KB
 TOTAL STRING LENGTH: EOT @ 5663'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod
 SUCKER RODS: 1 - 3/4" x 2' Pony Rod, 3 - 3/4" x 4' Pony Rod, 1 - 3/4" x 6' Pony Rod, 99- 3/4" Guided Rods (2475'), 78 - 3/4" Guided Rods (1950'), 40 - 3/4" Guided Rods (1000'), 6 - 1 1/2" Sinker Bars (150')
 PUMP SIZE: 2 1/2" x 1 1/2" x 16' x 17' RHAC pump
 STROKE LENGTH: 102"
 PUMP SPEED, SPM: 5



FRAC JOB

04-22-08	5571-5592'	Frac C_{P1} sds as follows: Frac w/144,428# 20/40 sand in 1022 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM. ISIP 2006 psi. Actual Flush: 5065 gals.
04-22-08	5203-5211'	Frac L_{ODC} sds as follows: Frac w/24,817# 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM. ISIP 2543. Actual Flush: 4696 gals.
04-22-08	5094-5109'	Frac A₁ sds as follows: Frac w/38,375# 20/40 sand in 420 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Actual Flush: 4586 gals.
04-22-08	4944-4954'	Frac B₂ sds as follows: Frac w/30,349# 20/40 sand in 383 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM. ISIP 1842 psi. Actual Flush: 4439 gals.
04-22-08	4824-4839'	Frac C sds as follows: Frac w/48,027# 20/40 sand in 446 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM. ISIP 2063 psi. Actual Flush: 4318 gals.
04-22-08	4710-4724'	Frac D₂ sds as follows: Frac w/37,944# 20/40 sand in 423 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM. ISIP 2646 psi. Actual Flush: 4624 gals.

05/11/2012 Updated Rod & Tubing detail.

PERFORATION RECORD

4710-4724'	4 JSPF	56 holes
4824-4839'	4 JSPF	60 holes
4944-4954'	4 JSPF	40 holes
5094-5109'	4 JSPF	60 holes
5203-5211'	4 JSPF	32 holes
5571-5592'	4 JSPF	84 holes
5606-5620'	4 JSPF	56 holes

NEWFIELD



State 3-16-9-16
 660' FNL & 1990' FWL
 NE/NW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33847; Lease #Utah State ML-16532

State 5-16-9-16

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

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

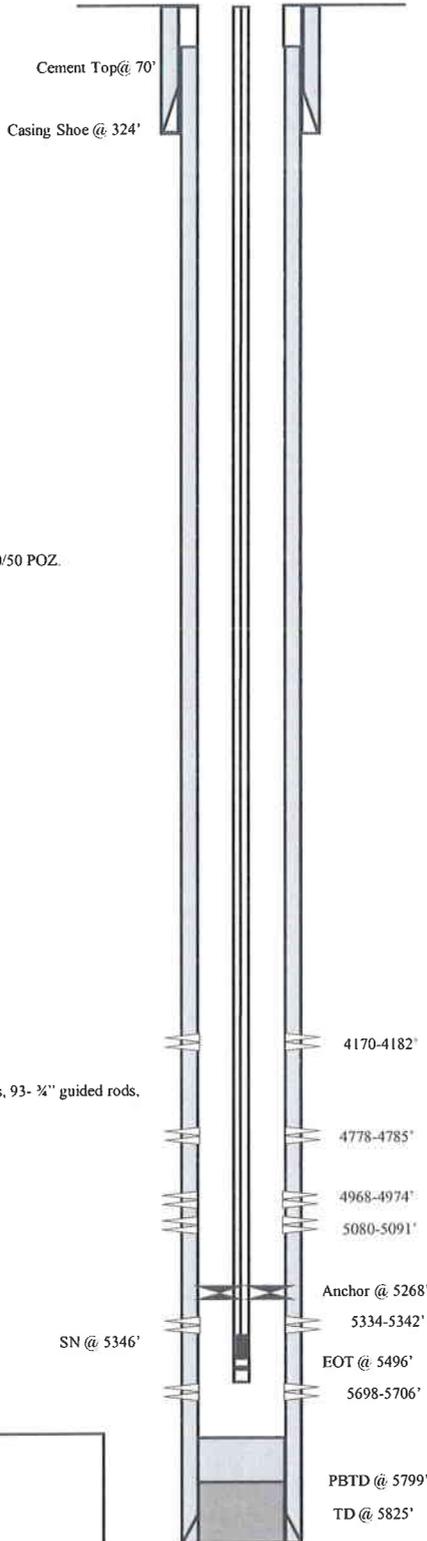
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139jts. (5807.48') Includes Shoe Jt. (20.6')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5820.73'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 70'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 168 jts (5268.1')
 TUBING ANCHOR: 5268.1'
 NO. OF JOINTS: 2 jts (62.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5345.51' KB
 NO. OF JOINTS: 5 jts (155.2')
 TOTAL STRING LENGTH: EOT @ 5496'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 2- 4' x 3/4" pony rods, 94- 3/4" guided rods, 93- 3/4" guided rods,
 20- 3/4" guided rods, 6- 1 1/2" weight bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 14' x 18' RHAC
 STROKE LENGTH: 102"
 PUMP SPEED, SPM: 5



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

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 #Utah State ML-16532

State 6-16-9-16

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

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

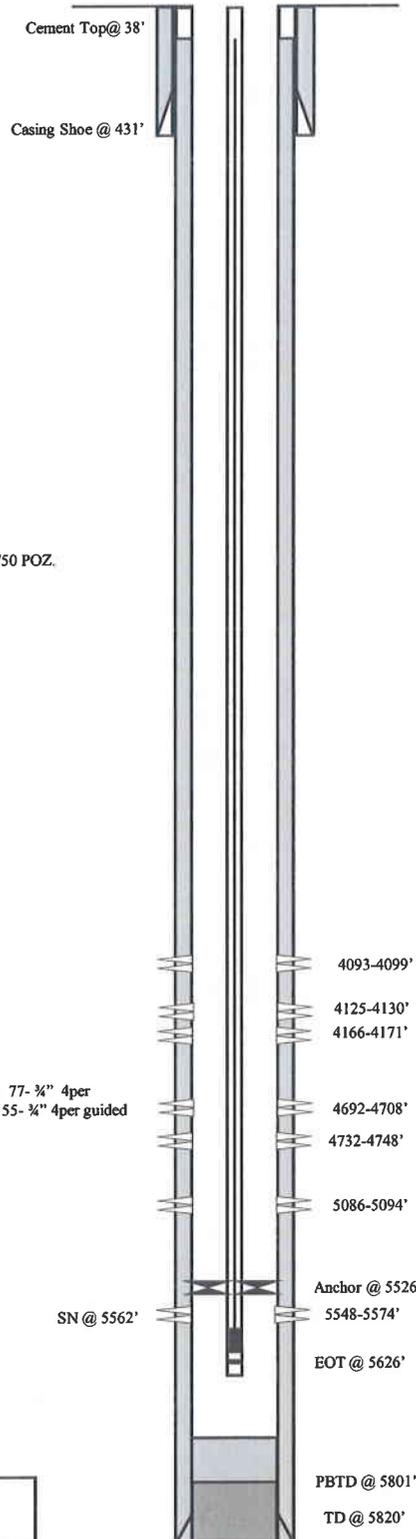
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (5809.35')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.6'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 38'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 175 jts (5514.2')
 TUBING ANCHOR: 5526.2'
 NO. OF JOINTS: 1 jts (31.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5560.5' KB
 NO. OF JOINTS: 2 jts (63.0')
 TOTAL STRING LENGTH: EOT @ 5625' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 1-2' x 3/4" pony rod, 1-6' x 3/4" pony rods, 77- 3/4" 4per guided rods, 21- 7/8" 8per guided rods, 62- 3/4" sucker rods, 55- 3/4" 4per guided rods, 6- 1 1/2" weight bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC pump
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4



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 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.

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
 1849' FNL & 1974' FEL
 SENW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33850; Lease # Utah State ML-16532

State 11-16-9-16

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

Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

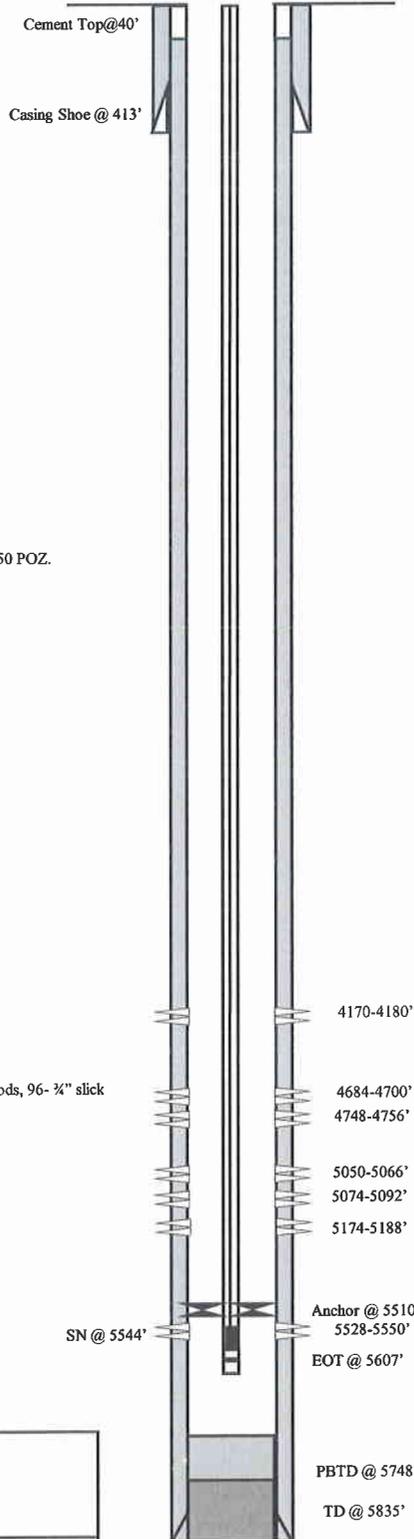
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts. (5809.54')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.14'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 40'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 179 jts (5498.10')
 TUBING ANCHOR: 5510.10'
 NO. OF JOINTS: 1 jts (31.40')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5543.77' KB
 NO. OF JOINTS: 2 jts (61.22')
 TOTAL STRING LENGTH: EOT @ 5606.54' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 1-2', 4' x 3/4" pony subs, 110- 3/4" guided rods, 96- 3/4" slick rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 18' RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4.75



FRAC JOB

08-18-08	5528-5550'	Frac CP1 sands as follows: Frac with 85230 #'s of 20/40 sand in 662 bbls of Lightning 17 fluid. Treat at an ave pressure of 1430 psi @ 23.3 BPM. ISIP 1935 psi.
08-18-08	5174-5188'	Frac LODC sands as follows: Frac with 35330 #'s of 20/40 sand in 371 bbls of Lightning 17 fluid. Treat at an ave pressure of 3100 psi @ 20.1 BPM. ISIP 4026 psi.
08-18-08	5050-5092'	Frac A1 sands as follows: Frac with 84924 #'s of 20/40 sand in 701 bbls Lightning 17 fluid. Treat at an ave pressure of 1705 psi @ 23.2 BPM. ISIP 2112 psi.
08-18-08	4684-4756'	Frac D2 & D3 sands as follows: Frac with 50386 #'s of 20/40 sand in 440 bbls of Lightning 17 fluid. Treat at an ave pressure of 1826 psi @ 23.1 BPM. ISIP 2101 psi.
08-18-08	4170-4180'	Frac GB6 sands as follows: Frac with 39122 #'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Treat at an ave pressure of 1873 psi @ 23.1 BPM. ISIP 1993 psi.
9/10/08		Pump Change. Updated rod & tubing details.

PERFORATION RECORD

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

NEWFIELD



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

State 12-16-9-16

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

Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

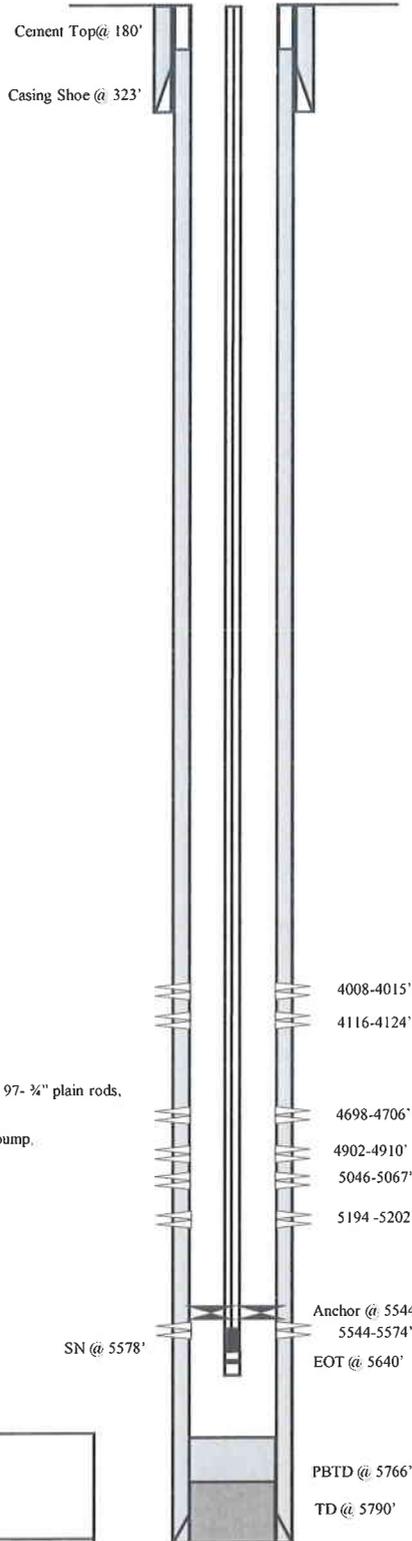
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141jts
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5787.23'
 CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz.
 CEMENT TOP AT: 180'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 : 6.5#
 NO. OF JOINTS: 180jts
 TUBING ANCHOR: 2.80 @5543.59'kb
 NO. OF JOINTS: 1jt
 SEATING NIPPLE: 1.10'
 SN LANDED AT: 5578.11'
 NO. OF JOINTS: 2jts (61.90')
 TOTAL STRING LENGTH: EOT @ 5640.46'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 1- 2' x 3/4" pony sub, 100- 3/4" guided rods, 97- 3/4" plain rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods
 PUMP SIZE: 1-1/2" x 2-1/2" x 16' x 18' RHAC pump rod pump.
 STROKE LENGTH: 86
 PUMP SPEED, SPM: 5



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 2230 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.

PERFORATION RECORD

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



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

Federal 16-8-9-16

Spud Date: 02/06/07
Put on Production: 03/21/07

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

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.

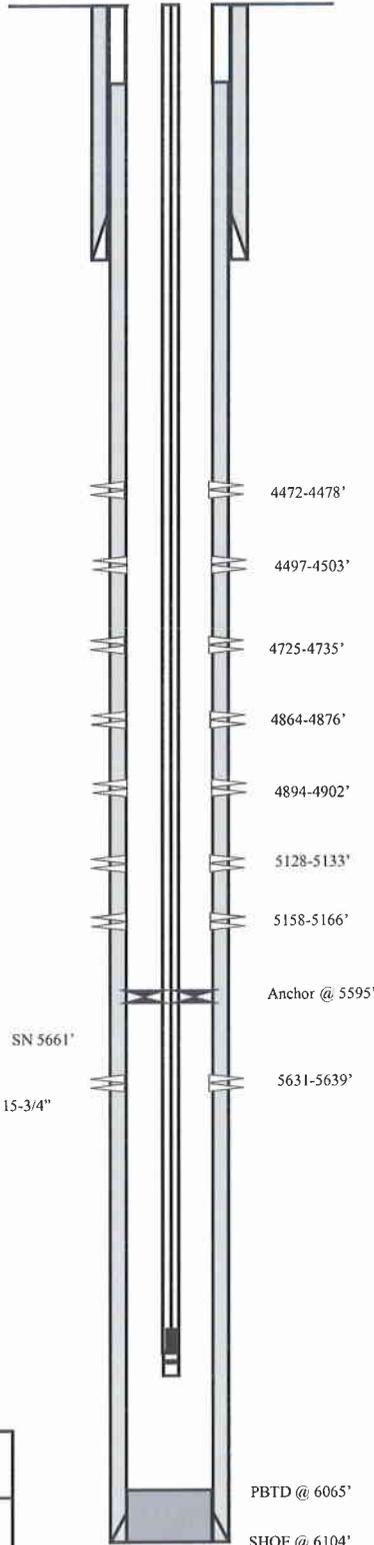
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 177 jts (5583.61')
TUBING ANCHOR: 5595.61' KB
NO. OF JOINTS: jts (63.06')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5661.42' KB
NO. OF JOINTS: 2 jts (63.12')
TOTAL STRING LENGTH: EOT @ 5726.09' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-8", 1-4' 1-2" x 3/4" pony rod, 94-3/4" guided rods, 115-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 14.5' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, 5 SPM:

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

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 347 bbls Lightning 17 frac fluid. Treated @ avg press of 2094 psi 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.

PERFORATION RECORD

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

Federal 11A-9-9-16

Spud Date: 4-23-07
Put on Production: 6-1-07

GL: 5842' KB: 5854'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (309.65')
DEPTH LANDED: 321.5' 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: 140 jts. (6101.12')
DEPTH LANDED: 6117.53' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 156'

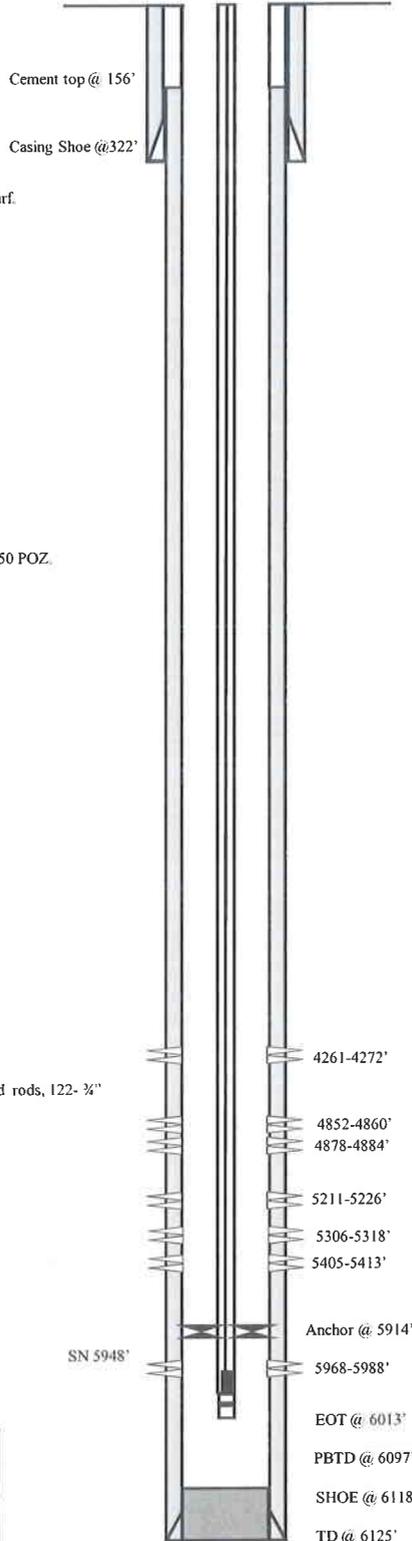
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 192 jts (5901.99')
TUBING ANCHOR: 5913.99' KB
NO. OF JOINTS: 1 jts (31.43')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5948.22' KB
NO. OF JOINTS: 2 jts (62.97')
TOTAL STRING LENGTH: EOT @ 6012.74' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-8", 6', 4', x 3/4" pony rods, 98- 3/4" scraped rods, 122- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

06-01-07	5968-5988'	Frac CP5 sands as follows: 86018# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 1731 psi w/avg rate of 24.8 BPM. ISIP 2226 psi. Calc flush: 5966 gal. Actual flush: 5460 gal.
06-01-07	5405-5413'	Frac LODC sands as follows: 15233# 20/40 sand in 657 bbls Lightning 17 frac fluid. Treated @ avg press of 2238 psi w/avg rate of 24.8 BPM. ISIP 2359 psi. Calc flush: 5403 gal. Actual flush: 4956 gal.
06-01-07	5306-5318'	Frac LODC sands as follows: 25167# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2598 psi w/avg rate of 24.7 BPM. ISIP 3184 psi. Calc flush: 5304 gal. Actual flush: 4830 gal.
06-01-07	5211-5226'	Frac A3 sands as follows: 81060# 20/40 sand in 608 bbls Lightning 17 frac fluid. Treated @ avg press of 1601 w/ avg rate of 24.7 BPM. ISIP 1930 psi. Calc flush: 5209 gal. Actual flush: 4746 gal.
06-01-07	4852-4884'	Frac D3 sands as follows: 20066# 20/40 sand in 293 bbls Lightning 17 frac fluid. Treated @ avg press of 1701 w/ avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4948 gal. Actual flush: 4368 gal.
06-01-07	4261-4272'	Frac GB4 sands as follows: 55827# 20/40 sand in 453 bbls Lightning 17 frac fluid. Treated @ avg press of 1508 w/ avg rate of 24.8 BPM. ISIP 1752 psi. Calc flush: 4424 gal. Actual flush: 4326 gal.
9-30-08		Pump Change. Updated rod & tubing details.

PERFORATION RECORD

05-21-07	5968-5988'	4 JSPF	80 holes
06-01-07	5405-5413'	4 JSPF	32 holes
06-01-07	5306-5318'	4 JSPF	48 holes
06-01-07	5211-5226'	4 JSPF	60 holes
06-01-07	4878-4884'	4 JSPF	24 holes
06-01-07	4852-4860'	4 JSPF	32 holes
06-01-07	4261-4272'	4 JSPF	44 holes



Federal 11A-9-9-16
1984' FSL & 1980' FWL
NE/SW Section 9-T9S-R16E
Duchesne Co, Utah
API # 43-013-33050; Lease # UTU-79831

Federal 12-9-9-16

Spud Date: 07/26/2009
Put on Production: 08/28/2009

GL: 5827' KB: 5839'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (300')
DEPTH LANDED: 312'
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 155 jts (6039')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 6093.01'
CEMENT DATA: 265 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 40'

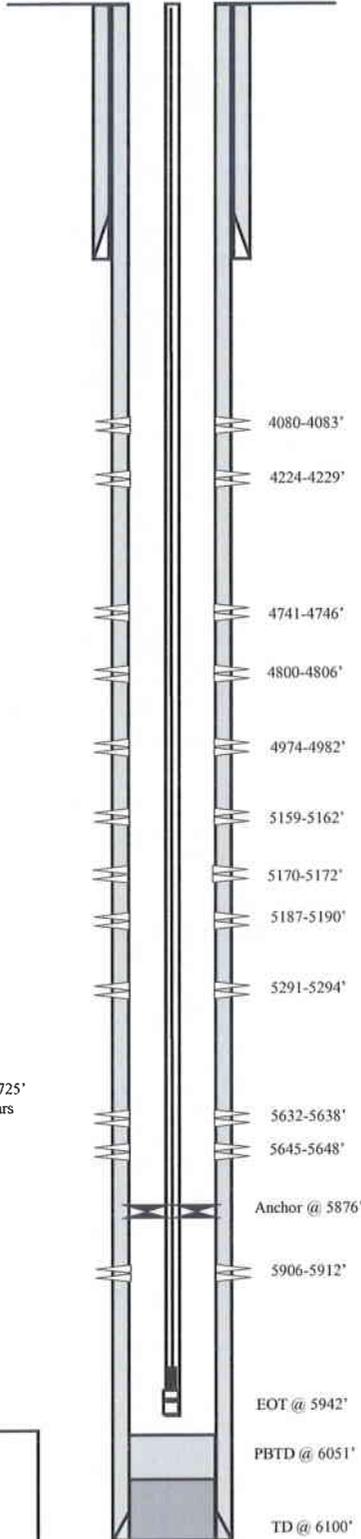
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 185 jts (5832.3')
TUBING ANCHOR: 5876'
NO. OF JOINTS: 1 jts (31.5')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5879.7' KB
NO. OF JOINTS: 2 jts (62')
TOTAL STRING LENGTH: EOT @ 5941.75'

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 100 - 3/4" = 2500' 4 per guided rods, 109 - 3/4" = 2725' sucker rod, 20 - 3/4" = 500' 4 per guided rods, 6-1 1/2" = 150' weight bars
PUMP SIZE: 2 1/2" x 1 1/2" x 16" x 20' RHAC pump
STROKE LENGTH: 120
PUMP SPEED, SPM 5

Wellbore Diagram



FRAC JOB

08-31-09	5906 - 5912'	Frac CP4 sands as follows: Frac with 15001# 20/40 sand in 125 bbls Lightning 17 fluid.
08-31-09	5632 - 5648'	Frac CP1 sands as follows: Frac with 71037# 20/40 sand in 426 bbls Lightning 17 fluid.
08-31-09	5159 - 5294'	Frac A3 & LODC sands as follows: Frac with 116748# 20/40 sand in 700 bbls Lightning 17 fluid.
08-31-09	4974 - 4982'	Frac B1 sands as follows: Frac with 50899# 20/40 sand in 307 bbls Lightning 17 fluid.
08-31-09	4741 - 4806'	Frac D1 & D2 sands as follows: Frac with 136468# 20/40 sand in 834 bbls Lightning 17 fluid.
08-31-09	4080 - 4229'	Frac GB4 & GB2 sands as follows: Frac with 43808# 20/40 sand in 291 bbls Lightning 17 fluid.
10-28-09		Tubing Leak. Updated rod & tubing details.
10-09-10		Pump Change. Rod & tubing updated.
5/26/11		Tubing Leak. Updated rod and tubing detail.

PERFORATION RECORD

5906 - 5912'	3 JSPF	18 holes
5645 - 5648'	3 JSPF	9 holes
5632 - 5638'	3 JSPF	18 holes
5291 - 5294'	3 JSPF	9 holes
5187 - 5190'	3 JSPF	9 holes
5170 - 5172'	3 JSPF	6 holes
5159 - 5162'	3 JSPF	9 holes
4974 - 4982'	3 JSPF	24 holes
4800 - 4806'	3 JSPF	18 holes
4741 - 4746'	3 JSPF	15 holes
4224 - 4229'	3 JSPF	15 holes
4080 - 4083'	3 JSPF	9 holes

NEWFIELD



Federal 12-9-9-16
1710' FSL & 443' FWL NW/SW
Section 9-T9S-R16E
Duchesne Co, Utah
API #43-013-33969; Lease #UTU-85210

FEDERAL 14-9-9-16

Spud Date: 03/20/07
Put on Production: 05/15/07

GL: 5814' KB: 5826'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (311.85')
DEPTH LANDED: 321.85' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G", circ. 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts. (6072.44')
DEPTH LANDED: 6070.44' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II & 450 sxs 50/50 POZ.
CEMENT TOP: 103' per CBL 4/18/07

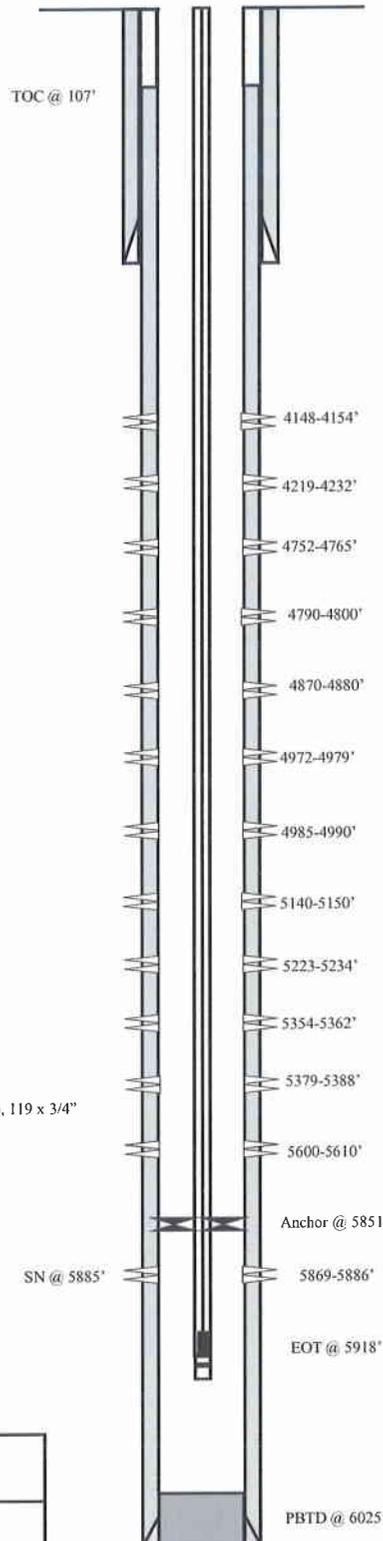
TUBING (GI 3/9/11)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 185 jts (5850.8')
TUBING ANCHOR: 5851'
NO. OF JOINTS: 1 jts (31.52')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5885.1' KB
NO. OF JOINTS: 1 jts (31.60')
NOTCHED COLLAR: 2-7/8" (0.5')
TOTAL STRING LENGTH: EOT @ 5918'

SUCKER RODS (GI 3/9/11)

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 4' x 3/4" pony rod, 99 x 3/4" Guided Rods(4per), 119 x 3/4" Sucker Rods, 10 x 3/4" Guided Rods(4per), 6 x 1-1/2" sinker bars
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 3.9
PUMPING UNIT: AMERICAN C-228-246-86

Wellbore Diagram



FRAC JOB

05/07/07	5869-5886'	Frac CP4 sands as follows: 58920# 20/40 sand in 518 bbls Lightning 17 frac fluid.
05/07/07	5600-5610'	Frac CP1 sands as follows: 24630# 20/40 sand in 362 bbls Lightning 17 frac fluid.
05/08/07	5354-5388'	Frac LODC sands as follows: 59848# 20/40 sand in 500 bbls Lightning 17 frac fluid.
05/08/07	5223-5234'	Frac A3 sands as follows: 29710# 20/40 sand in 343 bbls Lightning 17 frac fluid.
05/08/07	5140-5150'	Frac A1 sands as follows: 45023# 20/40 sand in 417 bbls Lightning 17 frac fluid.
05/08/07	4985-4990'	Frac B2 sands as follows: 49798# 20/40 sand in 438 bbls Lightning 17 frac fluid.
05/08/07	4870-4979	Frac C sands as follows: 19413# 20/40 sand in 293 bbls Lightning 17 frac fluid.
05/08/07	4752-4800	Frac D3 & D2 sands as follows: 90249# 20/40 sand in 1959 bbls Lightning 17 frac fluid.
05/08/07	4148-4232	Frac GB6 & GB4 sands as follows: 40824# 20/40 sand in 382 bbls Lightning 17 frac fluid.
05/23/08		updated rod and tubing detail
03/12/11		Parted Rods. Rod & tubing details updated

PERFORATION RECORD

04/18/07	5869-5886'	4 JSPF	68 holes
05/07/07	5600-5610'	4 JSPF	40holes
05/07/07	5379-5388'	4 JSPF	36 holes
05/08/07	5354-5362'	4 JSPF	32 holes
05/08/07	5223-5234'	4 JSPF	44 holes
05/08/07	5140-5150'	4 JSPF	40 holes
05/08/07	4985-4990'	4 JSPF	20 holes
05/08/07	4972-4979'	4 JSPF	28 holes
05/08/07	4870-4880'	4 JSPF	40 holes
05/08/07	4790-4800'	4 JSPF	40 holes
05/08/07	4752-4765'	4 JSPF	52 holes
05/08/07	4219-4232'	4 JSPF	52 holes
05/08/07	4148-4154'	4 JSPF	24 holes

NEWFIELD

FEDERAL 14-9-9-16

718'FSL & 1976' FWL

SE/SW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33053; Lease # UTU-79831

TD @ 6075'

GI 5/17/12

FEDERAL 15-9-9-16

Spud Date: 03/27/07
 Put on Production: 05/18/07
 GL: 5788' KB 5800'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"
 GRADE J-55
 WEIGHT 24#
 LENGTH 7 jts (312 28')
 DEPTH LANDED 324 13' KB
 HOLE SIZE 12-1/4"
 CEMENT DATA 160 sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"
 GRADE J-55
 WEIGHT 15.5#
 LENGTH 139 jts (6038 30')
 DEPTH LANDED 6051 55' KB
 HOLE SIZE 7-7/8"
 CEMENT DATA 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ
 CEMENT TOP: 52'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55
 NO OF JOINTS 179 jts (5602 3')
 TUBING ANCHOR 5602 3'
 NO OF JOINTS 2 jts (63 2')
 SEATING NIPPLE 2-7/8" (1 10')
 SN LANDED AT 5668 2'
 NO OF JOINTS 2 jts (63 1')
 TOTAL STRING LENGTH EOT @ 5733'

SUCKER RODS

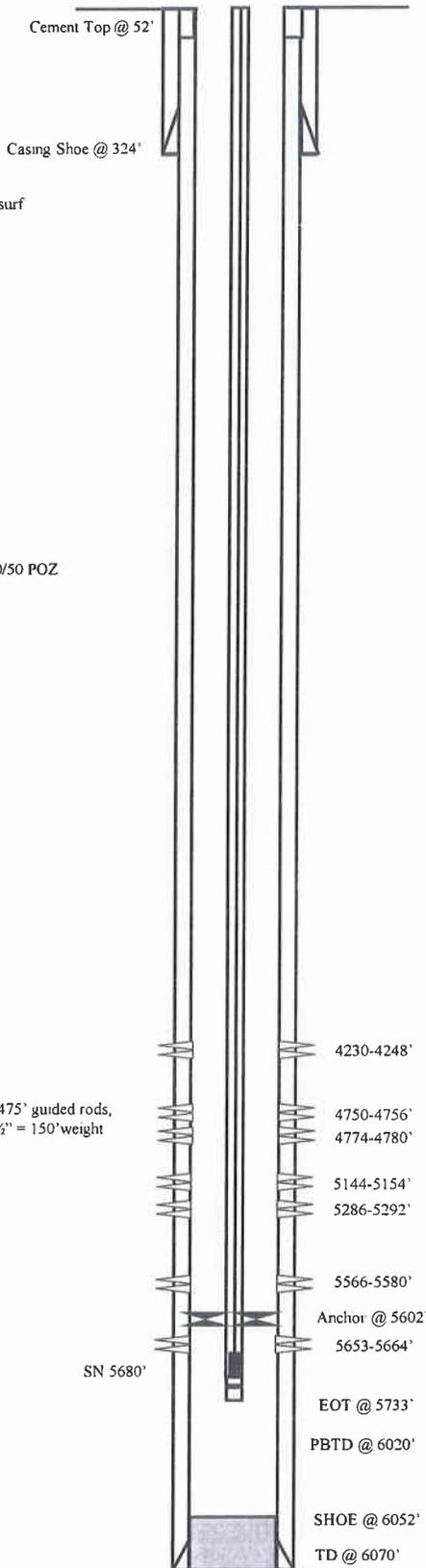
POLISHED ROD 1-1/2" x 22'
 SUCKER RODS 1-4', 6' & 1-8' x 3/4" pony subs, 99-3/4"=2475' guided rods, 86-3/4" = 2150' sucker rods, 35-3/4" = 875' guided rods, 6-1 1/2" = 150' weight bars
 PUMP SIZE CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC
 STROKE LENGTH 76"
 PUMP SPEED, 5 SPM

FRAC JOB

05/09/07	5653-5664'	Frac CP2 sands as follows: 19973# 20/40 sand in 326 bbls Lightning 17 frac fluid Treated @ avg press of 1977 psi w/avg rate of 24.7 BPM ISIP 1722 psi Calc flush 5651 gal Actual flush 5166 gal
05/14/07	5566-5580'	Frac CP.5 sands as follows: 45412# 20/40 sand in 433 bbls Lightning 17 frac fluid Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM ISIP 1956 psi Calc flush 5564 gal Actual flush 5122 gal
05/14/07	5286-5292'	Frac LODC sands as follows: 19538# 20/40 sand in 300 bbls Lightning 17 frac fluid Treated @ avg press of 2539 psi w/avg rate of 24.8 BPM ISIP 2675 psi Calc flush 5284 gal Actual flush 4830 gal
05/14/07	5144-5154'	Frac A3 sands as follows: 45178# 20/40 sand in 423 bbls Lightning 17 frac fluid Treated @ avg press of 1893 psi w/avg rate of 24.8 BPM ISIP 2111 psi Calc flush 5142 gal Actual flush 4662 gal
05/14/07	4750-4780'	Frac D2 sands as follows: 60592# 20/40 sand in 489 bbls Lightning 17 frac fluid Treated @ avg press of 1606 psi w/avg rate of 24.8 BPM ISIP 1847 psi Calc flush 4748 gal Actual flush 4284 gal
05/14/07	4230-4248'	Frac GB6 sands as follows: 92270# 20/40 sand in 664 bbls Lightning 17 frac fluid Treated @ avg press of 1955 psi w/avg rate of 24.8 BPM ISIP 2175 psi Calc flush 4228 gal Actual flush 4116 gal
9-5-07		Pump Change Updated rod & tubing details
12-13-07		Pump Change Updated rod & tubing details
6/27/2011		Pump Change Updated rod & tubing details

PERFORATION RECORD

05/09/07	5653-5664'	4 JSPF	44 holes
05/14/07	5566-5580'	4 JSPF	56 holes
05/14/07	5286-5292'	4 JSPF	24 holes
05/14/07	5144-5154'	4 JSPF	40 holes
05/14/07	4774-4780'	4 JSPF	24 holes
05/14/07	4750-4756'	4 JSPF	24 holes
05/14/07	4230-4248'	4 JSPF	72 holes



NEWFIELD

FEDERAL 15-9-9-16

731' FSL & 1804' FEL
 SW/SE Section 9-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33054; Lease # UTU-79831

Federal 1-17-9-16

Spud Date: 9-13-06
Put on Production: 11-15-06

GL: 5878' KB: 5890'

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'

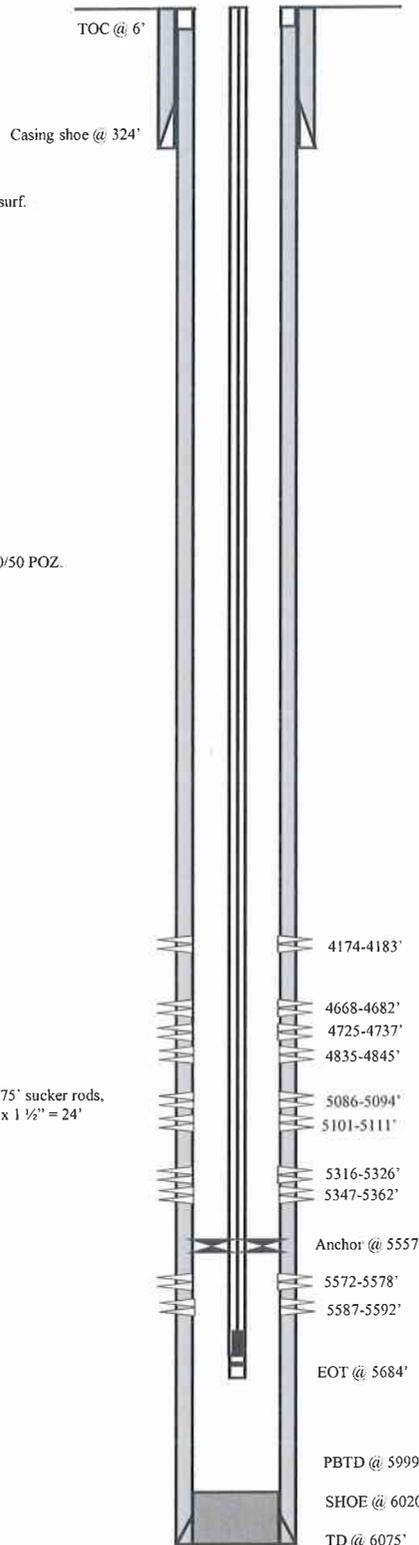
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 183 jts (5544.7')
TUBING ANCHOR: 5556.7' KB
NO. OF JOINTS: 2 jts (63.1')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5622.6' KB
NO. OF JOINTS: 2 jts (59.6')
TOTAL STRING LENGTH: EOT @ 5684' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 99 x 3/8" = 2475 guided rods, 107 x 1/2" = 2675' sucker rods, 10 x 3/4" = 250' guided rods, 6 x 1 1/2" = 150' weighted bars, 6 x 1 1/2" = 24' stabilizer rod
PUMP SIZE: 2-1/2" x 1-1/4" x 12' x 16 RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

Date	Job ID	Description
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 L ODC 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.

PERFORATION RECORD

Date	Job ID	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



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" cmt, est 3 bbls cmt 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.

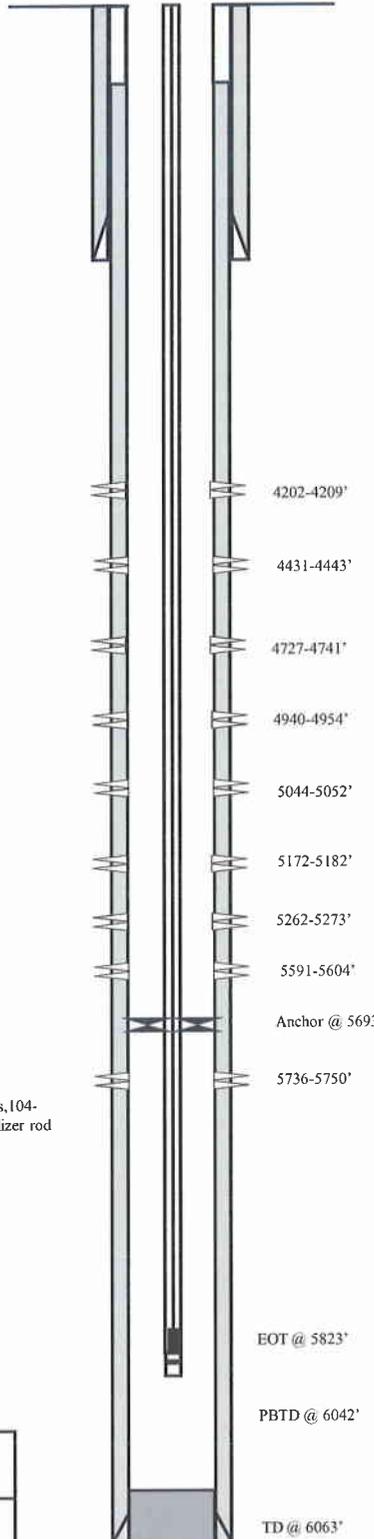
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 180 jts (5692.60')
TUBING ANCHOR: 5693' KB
NO. OF JOINTS: 2 jts (63.23')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5759' KB
NO. OF JOINTS: 2 jts (63.21')
TOTAL STRING LENGTH: EOT @ 5823' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 3-4', 1-6', 1-8' x 3/4" pony rod, 99-3/4" guided rods, 104-3/4" sucker rods, 20-3/4" guided rods, 6-1 1/2" weight rods, 1-1" Stabilizer rod
PUMP SIZE: 2-1/2" x 1-1/2" x 14' x 16' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, 5 SPM:

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

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 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

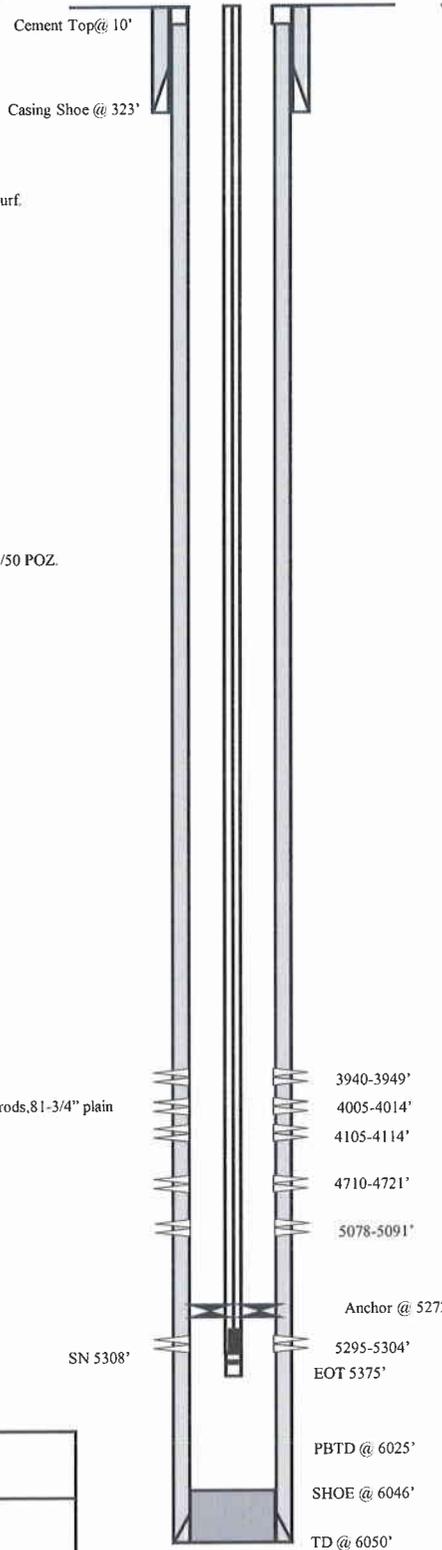
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 164 jts (5260.26')
 TUBING ANCHOR: 5272.26' KB
 NO. OF JOINTS: 1 jts (32.50')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5307.56' KB
 NO. OF JOINTS: 2 jts (66.03')
 TOTAL STRING LENGTH: EOT @ 5375.14' KB

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, 6-1/2" 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



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

ATTACHMENT E-10

GMB 3-16-9-16H

Wellbore Diagram NEWFIELD



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

Wellhead

Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bbl/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	0	5,993	7,740	7,020	4,892	4,767	0.0233	7-7/8"	Port Collar: 5,654' md to Surface
Production	4-1/2"	11.6#	P-110	LTC	5,993	10,249	7,774	8,510	4,000	3,875	0.0155	6-1/8"	
					TVD	6,011	burst & collapse values are book, no additional safety factors have been applied						

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

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

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

Proposed Frac Data	Top		Bottom		Packers Plus 12 Stage StackFrac HD Stimulation Liner							Prop type/ size	Prop Vol (lbs)	Total Clean Vol (bbbls)
	Top	Bottom	Depth	Ball OD (in.)	Seat ID (in.)	Vol. to Seat (bbl)	Actual Vol. (bbl)	Difference (bbl)	Ball Action (ΔP)					
Toe Section	10,249	10,249	Packers Plus 4-1/2" Toe Circulating Sub w/1,000" Seat for 1,250' SF2 High Pressure Ball (Actuated at 1,098 psi). And Open Hole TD											
Stage 1	10,087	10,249	Depth: 10,160	Ball OD (in.): NA	Seat ID (in.): NA	Vol. to Seat (bbl): 204.33	Actual Vol. (bbl): NA	Difference (bbl): NA	Ball Action (ΔP): NA	100 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 2,268psi)							30/50 mesh sand	0			
Mechanical Packer 1	10,002	10,007	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	34,144	2,342		
Stage 2	9,682	10,002	FracPort 2: Depth: 9,841	Ball OD (in.): 2,125	Seat ID (in.): 2,000	Vol. to Seat (bbl): 199.39	Actual Vol. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	30,760			
Mechanical Packer 2	9,577	9,682	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	36,369	2,775		
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. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	18,835			
Mechanical Packer 3	9,354	9,359	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	7,548	2,716		
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): 189.36	Actual Vol. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	0			
Mechanical Packer 4	9,030	9,035	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	28,177	4,116		
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. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	36,211			
Mechanical Packer 5	8,705	8,710	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	37,277	3,907		
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. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	30,591			
Mechanical Packer 6	8,381	8,386	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	32,929	2,784		
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. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	21,643			
Mechanical Packer 7	8,061	8,066	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	35,076	3,706		
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. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	30,420			
Mechanical Packer 8	7,738	7,743	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	30,308	2,777		
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): 164.36	Actual Vol. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	14,314			
Mechanical Packer 9	7,413	7,418	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	25,505	1,869		
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. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	3,467			
Mechanical Packer 10	7,088	7,093	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	37,984	2,804		
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): 159.37	Actual Vol. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	36,949			
Mechanical Packer 11	6,763	6,768	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)							100 mesh sand	31,284	2,765		
Stage 12	6,445	6,763	FracPort 11: Depth: 6,801	Ball OD (in.): 3,375	Seat ID (in.): 3,250	Vol. to Seat (bbl): 154.29	Actual Vol. (bbl): 0.00	Difference (bbl): NA	Ball Action (ΔP): NA	100 mesh sand	21,188			
Mechanical Packer 12	6,438	6,445	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)											
OH Anchor/Packer	5,451	5,456	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)										Total Fluid	
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 2,046psi)										34,456	
													(bbl)	
	Lat Length	3,804								Sand Total	100 mesh sand	335,921		
	Total Stim. Lateral	3,804									30/50 mesh sand	244,388		
	Avg. Stage Length	317 *between packers								# sand per foot of lateral		153		

5.5"x4.5" x 5,993'



MD TD 10,259
 TVD TD 6,011

FEDERAL 13-9-9-16

Spud Date: 04/21/07
 Put on Production: 5/31/07
 GL: 5878' KB: 5890'

Initial Production: 63 BOPD,
 11 MCFD, 56 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (313.03')
 DEPTH LANDED: 323.03' 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: 137 jts (6018.39')
 DEPTH LANDED: 6014.39' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ.
 TOP OF CEMENT: Surface

TUBING

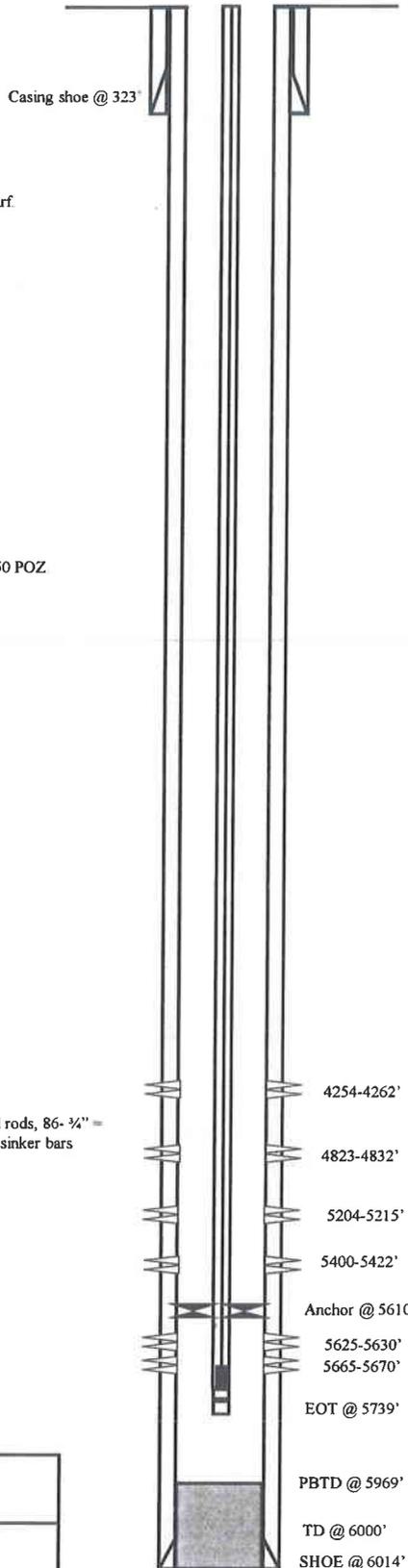
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 179 jts (5597.6')
 TUBING ANCHOR: 5609.6' KB
 NO. OF JOINTS: 2 jts (62.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5675.0' KB
 NO. OF JOINTS: 2 jts (62.7')
 TOTAL STRING LENGTH: EOT @ 5739' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 1 x 3/4" = 4' pony rod, 89- 3/4" = 2250' guided rods, 86- 3/4" = 2150' sucker rods, 44- 3/4" = 1100' guided rods, 6- 1 1/2" = 150' sinker bars
 PUMP SIZE: CDI 2-1/2" x 1-1/4" x 16" x 20' RHAC
 STROKE LENGTH: 102"
 PUMP SPEED, SPM: 5

FRAC JOB

05/25/07	5625-5670'	Frac CP.5 & CP2 sands as follows: 14942# 20/40 sand in 271 bbls Lightning 17 frac fluid. Treated @ avg press of 2299 psi w/avg rate of 24.6 BPM. ISIP 2063 psi. Calc flush: 5623 gal. Actual flush: 5120 gal.
05/25/07	5400-5422'	Frac LODC sands as follows: 138714# 20/40 sand in 970 bbls Lightning 17 frac fluid. Treated @ avg press of 2903 psi w/avg rate of 24.7 BPM. ISIP 3560 psi. Calc flush: 5398 gal. Actual flush: 4893 gal.
05/25/07	5204-5215'	Frac A3 sands as follows: 55148# 20/40 sand in 467 bbls Lightning 17 frac fluid. Treated @ avg press of 2274 psi w/avg rate of 24.6 BPM. ISIP 2052 psi. Calc flush: 5202 gal. Actual flush: 4696 gal.
05/25/07	4823-4832'	Frac D2 sands as follows: 50506# 20/40 sand in 419 bbls Lightning 17 frac fluid. Treated @ avg press of 1952 psi w/avg rate of 24.7 BPM. ISIP 2034 psi. Calc flush: 4821 gal. Actual flush: 4284 gal.
05/25/07	4254-4262'	Frac GB4 sands as follows: 13089# 20/40 sand in 202 bbls Lightning 17 frac fluid. Treated @ avg press of 1894 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4252 gal. Actual flush: 4200 gal.
2/24/09		Tubing Leak. Updated r & t details.
1/29/10		Tubing Leak. Updated rod and tubing detail.
8/1/2010		Parted rods. Updated rod and tubing detail.
11/24/2010		Parted rods. Updated rod and tubing detail.
5/20/11		Tubing leak. Updated rod and tubing detail.



PERFORATION RECORD

05/14/07	5665-5670'	4 JSPF	20 holes
05/14/07	5625-5630'	4 JSPF	20 holes
05/25/07	5400-5422'	4 JSPF	88 holes
05/25/07	5204-5215'	4 JSPF	44 holes
05/25/07	4823-4832'	4 JSPF	36 holes
05/25/07	4254-4262'	4 JSPF	32 holes

NEWFIELD

FEDERAL 13-9-9-16

734' FSL & 625' FWL

SW/SW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33052; Lease # UTU-64379

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**

Well Name: **STATE 4-16-9-16**

Sample Point: **Treater**

Sample Date: **9/11/2012**

Sample ID: **WA-224661**

Sales Rep: **Michael McBride**

Lab Tech: **Layne Wilkerson**

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:	10/9/2012	Sodium (Na):	18600.61	Chloride (Cl):	29000.00
System Temperature 1 (°F):	120.00	Potassium (K):	161.00	Sulfate (SO4):	1240.00
System Pressure 1 (psig):	60.0000	Magnesium (Mg):	164.00	Bicarbonate (HCO3):	1586.00
System Temperature 2 (°F):	210.00	Calcium (Ca):	847.00	Carbonate (CO3):	
System Pressure 2 (psig):	60.0000	Strontium (Sr):		Acetic Acid (CH3COO)	
Calculated Density (g/ml):	1.032	Barium (Ba):	0.40	Propionic Acid (C2H5COO)	
pH:	7.90	Iron (Fe):	22.00	Butanoic Acid (C3H7COO)	
Calculated TDS (mg/L):	51622.12	Zinc (Zn):	0.31	Isobutyric Acid ((CH3)2CHCOO)	
CO2 in Gas (%):		Lead (Pb):	0.00	Fluoride (F):	
Dissolved CO2 (mg/L):	158.40	Ammonia NH3:		Bromine (Br):	
H2S in Gas (%):		Manganese (Mn):	0.80	Silica (SiO2):	
H2S in Water (mg/L):	0.00				

Notes:

(PTB = Pounds per Thousand Barrels)

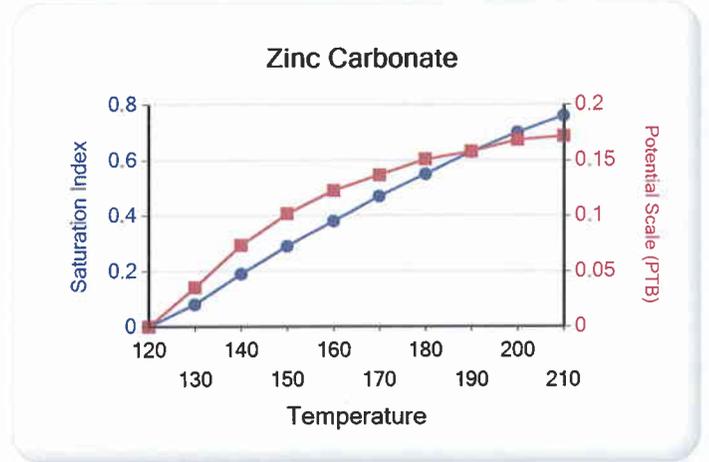
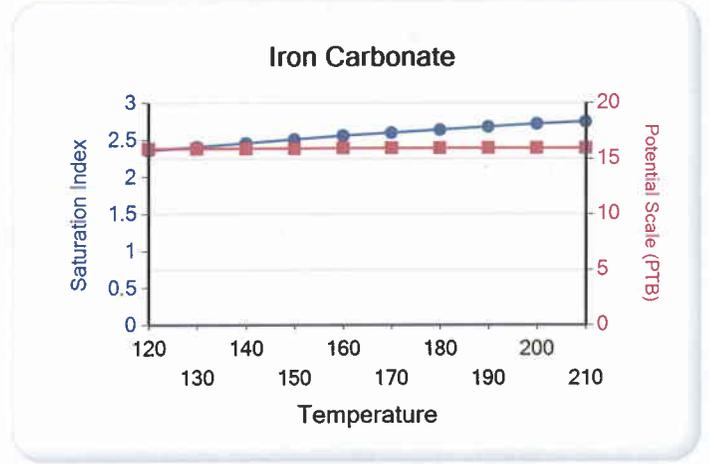
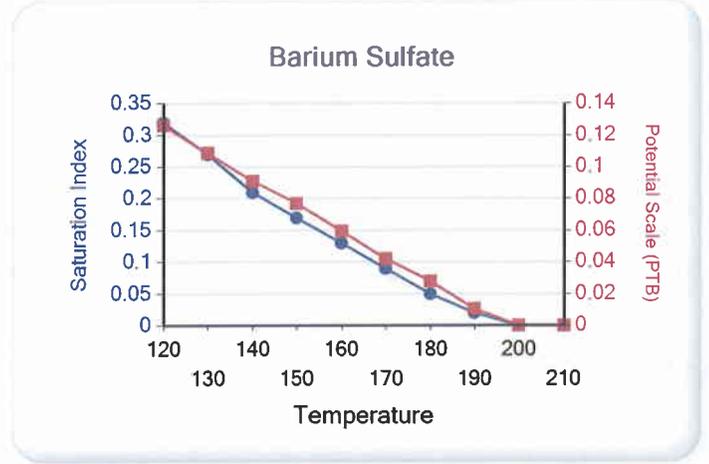
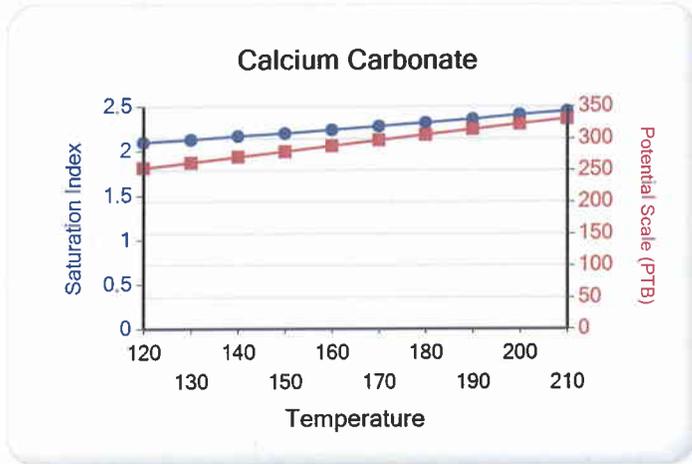
Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	2.45	331.08	0.00	0.00	0.00	0.00	2.75	15.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	2.41	322.85	0.00	0.00	0.00	0.00	2.72	15.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	2.36	314.42	0.02	0.01	0.00	0.00	2.68	15.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	2.32	305.84	0.05	0.03	0.00	0.00	2.64	15.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	2.28	297.15	0.09	0.04	0.00	0.00	2.60	15.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	2.24	288.39	0.13	0.06	0.00	0.00	2.56	15.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	2.20	279.60	0.17	0.08	0.00	0.00	2.51	15.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	2.17	270.84	0.21	0.09	0.00	0.00	2.46	15.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	2.13	262.14	0.27	0.11	0.00	0.00	2.41	15.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	2.10	253.55	0.32	0.13	0.00	0.00	2.36	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

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

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



Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
 Well Name: **BELUGA INJECTION**
 Sample Point: **Comingled**
 Sample Date: **1/16/2012**
 Sample ID: **WA-205556**

Sales Rep: **Darren Betts**
 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:	1/16/2012	Sodium (Na):	2975.08	Chloride (Cl):	3800.00
System Temperature 1 (°F):	300.00	Potassium (K):	10.00	Sulfate (SO ₄):	374.00
System Pressure 1 (psig):	1300.00	Magnesium (Mg):	12.50	Bicarbonate (HCO ₃):	1049.00
System Temperature 2 (°F):	70.00	Calcium (Ca):	28.00	Carbonate (CO ₃):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):		Acetic Acid (CH ₃ COO)	0.00
Calculated Density (g/ml):	1.00	Barium (Ba):	2.20	Propionic Acid (C ₂ H ₅ COO)	0.00
pH:	8.20	Iron (Fe):	0.50	Butanoic Acid (C ₃ H ₇ COO)	0.00
Calculated TDS (mg/L):	8252.18	Zinc (Zn):	0.40	Isobutyric Acid ((CH ₃) ₂ CHCOO)	0.00
CO ₂ in Gas (%):	0.00	Lead (Pb):	0.30	Fluoride (F):	
Dissolved CO ₂ (mg/L):	0.00	Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Gas (%):		Manganese (Mn):	0.20	Silica (SiO ₂):	
H ₂ S in Water (mg/L):	55.00				

Notes:

P=2.8

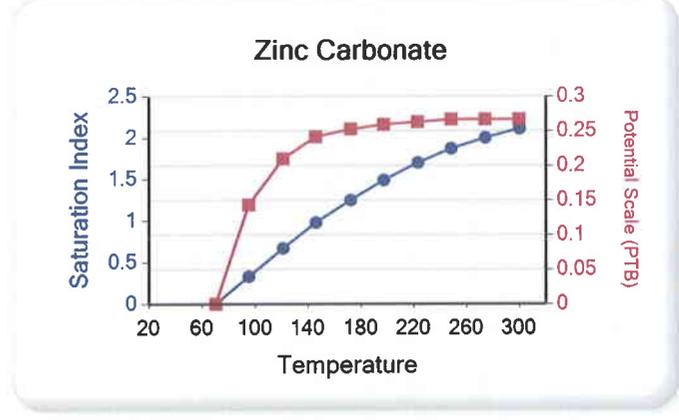
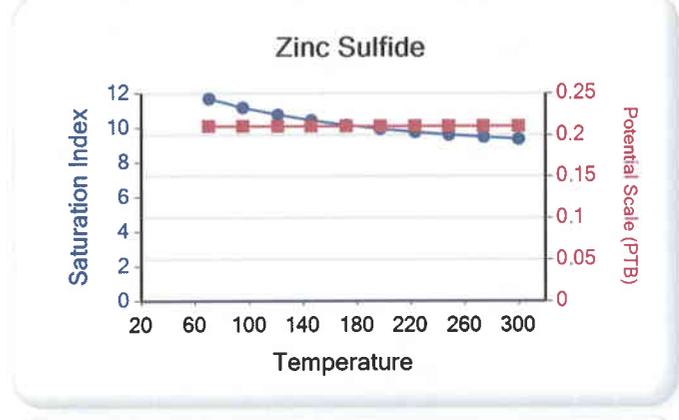
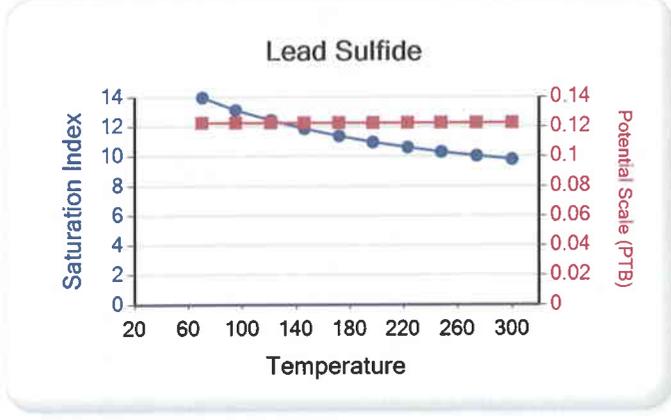
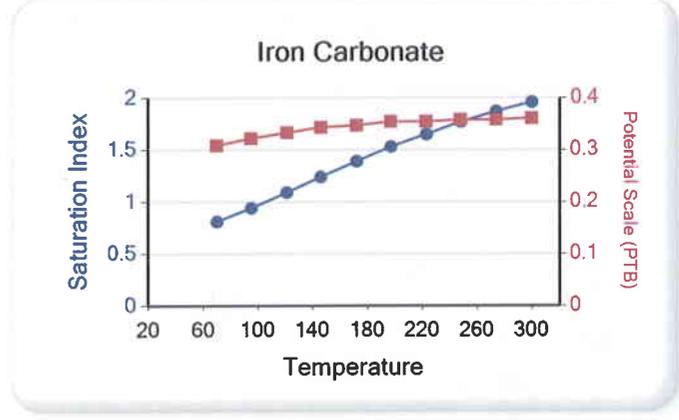
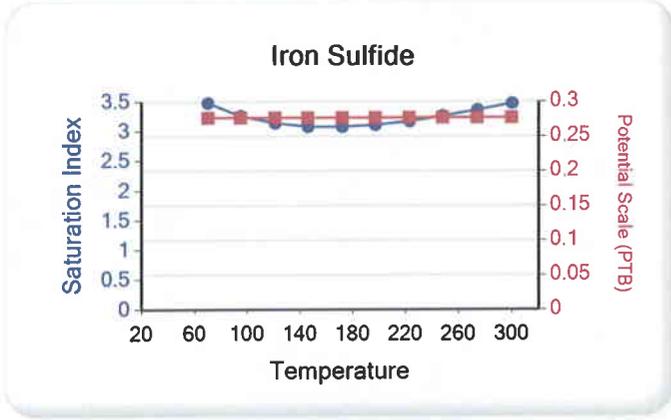
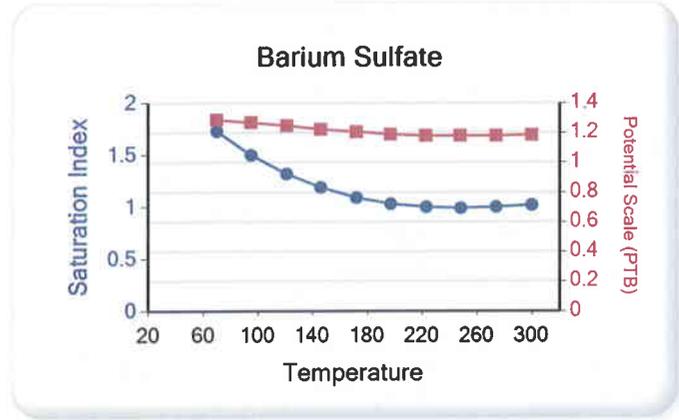
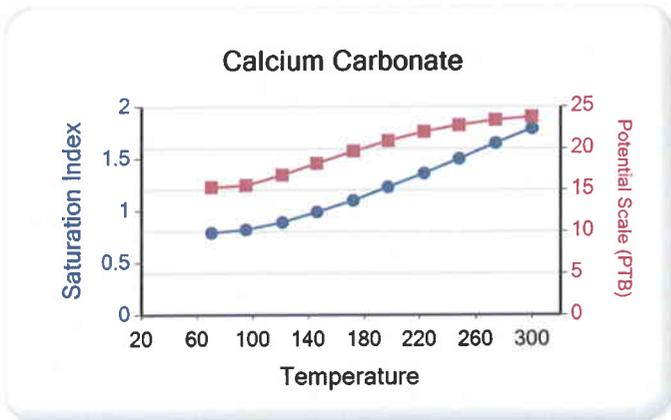
(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.79	15.32	1.73	1.29	3.48	0.28	0.81	0.31	0.00	0.00	0.00	0.00	0.00	0.00	11.70	0.21
95	157	0.82	15.56	1.50	1.27	3.26	0.28	0.94	0.32	0.00	0.00	0.00	0.00	0.00	0.00	11.18	0.21
121	300	0.89	16.81	1.32	1.25	3.14	0.28	1.09	0.33	0.00	0.00	0.00	0.00	0.00	0.00	10.77	0.21
146	443	0.99	18.22	1.19	1.22	3.08	0.28	1.24	0.34	0.00	0.00	0.00	0.00	0.00	0.00	10.44	0.21
172	585	1.10	19.64	1.09	1.21	3.08	0.28	1.39	0.35	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.21
197	728	1.23	20.92	1.03	1.19	3.11	0.28	1.53	0.35	0.00	0.00	0.00	0.00	0.00	0.00	9.94	0.21
223	871	1.36	21.98	1.00	1.18	3.17	0.28	1.65	0.35	0.00	0.00	0.00	0.00	0.00	0.00	9.76	0.21
248	1014	1.50	22.79	0.99	1.18	3.26	0.28	1.77	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.21
274	1157	1.65	23.37	1.00	1.18	3.36	0.28	1.87	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.21
300	1300	1.79	23.76	1.02	1.18	3.47	0.28	1.96	0.36	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.21

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.98	0.12	0.00	0.00	0.00	0.00	0.00	0.00
95	157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.14	13.13	0.12	0.00	0.00	0.00	0.00	0.00
121	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.21	12.45	0.12	0.00	0.00	0.00	0.00	0.00
146	443	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.24	11.87	0.12	0.00	0.00	0.00	0.00	0.00
172	585	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.25	11.38	0.12	0.00	0.00	0.00	0.00	0.00
197	728	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	0.26	10.96	0.12	0.00	0.00	0.00	0.00	0.00
223	871	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	0.26	10.61	0.12	0.00	0.00	0.00	0.00	0.00
248	1014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.27	10.30	0.12	0.00	0.00	0.00	0.00	0.00
274	1157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.27	10.04	0.12	0.00	0.00	0.00	0.00	0.00
300	1300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.27	9.80	0.12	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 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



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

ATTACHMENT F

5 of 5

multi-chem[®]
A HALLIBURTON SERVICE

Attachment "G"

**State #4-16-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4778	4791	4785	1926	0.84	1895
4842	4856	4849	1926	0.83	1895
4916	4925	4921	1705	0.78	1673 ←
5108	5114	5111	2220	0.87	2187
5209	5228	5219	2322	0.88	2288
				Minimum	<u><u>1673</u></u>

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

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

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

Daily Activity Report

10/2

Format For Sundry

STATE 4-16-9-16

3/1/2008 To 7/30/2008

5/22/2008 Day: 1

Completion

Rigless on 5/21/2008 - Install 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5762' & cement top @ 48'. Perforate stage #1, LODC sds @ 5209-28' & 5198-5203' w/ 3-1/8" Slick Guns (19 gram, .49"EH, 120°) w/ 4 spf for total of 96 shots. 138 BWTR. SWIFN.

5/29/2008 Day: 2

Completion

Rigless on 5/28/2008 - Stage #1 LODC sds. RU BJ Services. 0 psi on well. Frac LODC sds w/ 200,061#'s of 20/40 sand in 1373 bbls of Lightning 17 fluid. Broke @ 2440 psi. Treated w/ ave pressure of 1997 psi w/ ave rate of 27.3 BPM. ISIP 2322 psi. Leave pressure on well. 1511 BWTR. Stage #2 CP1 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 2- 6' perf guns. Set plug @ 5155'. Perforate A3 sds @ 5126-32' & A1 sds @ 5108-14' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 48 shots. RU BJ Services. 1918 psi on well. Frac A1 & A3 sds w/ 120,424#'s of 20/40 sand in 868 bbls of Lightning 17 fluid. Broke @ 3446 psi. Treated w/ ave pressure of 1922 psi w/ ave rate of 27.0 BPM. ISIP 2220 psi. Leave pressure on well. 2379 BWTR. Stage #3 B1 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 9' perf gun. Set plug @ 5020'. Perforate B1 sds @ 4916-25' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 36 shots. RU BJ Services. 1925 psi on well. Frac B1 sds w/ 54,952#'s of 20/40 sand in 495 bbls of Lightning 17 fluid. Broke @ 3783 psi. Treated w/ ave pressure of 1767 psi w/ ave rate of 23.4 BPM. ISIP 1705 psi. Leave pressure on well. 2874 BWTR. Stage #4 C sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 4885'. Perforate C sds @ 4842-56' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 1395 psi on well. Perfs would not break. Attempt to dump bail acid on perfs. Tagged sand @ 4777'. Dump acid at 4777'. Attempt to break down perfs w/ no success. Open well to pit @ approx. 1 bpm. Flowed well for 2 hrs. to clean up sand (recovered 100 bbls). RU BJ Services. 643 psi on well. Frac C sds w/ 115,003#'s of 20/40 sand in 846 bbls of Lightning 17 fluid. Broke @ 3348 psi. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Leave pressure on well. 3620 BWTR. Stage #5 D3 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 13' perf gun. Set plug @ 4815'. Perforate D3 sds @ 4778-91' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 52 shots. RU BJ Services. -- psi on well. Perfs would not break. Dump bail acid on perfs. RU BJ Services. -- psi on well. Frac D3 sds w/ 115,003#'s of 20/40 sand in 846 bbls of Lightning 17 fluid. Broke @ 3348 psi. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Leave pressure on well. 3620 BWTR.

5/30/2008 Day: 3

Completion

Leed #731 on 5/29/2008 - Open well to pit. Well flowed for 3 hrs. Recovered 180 bbls. RU The Perforators, llc. Set Composite Kill Plug @ 4690'. RD wireline. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & inspected 2 7/8" tbg. from pipe trailer (tallying &

drifting) to 3400'. SWIFN.

2 of 2

5/31/2008 Day: 4

Completion

Leed #731 on 5/30/2008 - RIH w/ tbg. Tag CBP @ 4690'. RU powerswivel & pump. DU CBP in 10 min. Cont. RIH w/ tbg. Tag CBP @ 4815'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag CBP @ 4885'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag CBP @ 5020'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag sand @ 5143'. C/O to CBP @ 5155'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag sand @ 5620'. C/O to PBD @ 5788'. Circulate well clean. Pull up to 5695'. SWIFN.

6/3/2008 Day: 5

Completion

Leed #731 on 6/2/2008 - Bleed off well. RIH w/ swab. SFL @ surface. Made 4 runs. Recovered 90 bbls. Well flowed for 2 hrs. (recovered 60 bbls). 50% oil cut. No show of sand. Kill tbg. w/ 20 bbls water. RIH w/ tbg. Tag sand @ 5785'. C/O to PBD @ 5788'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 175 jts 2 7/8" tbg. ND BOP. Set TAC @ 5194' w/ 17,000# tension. NU wellhead. X-over for rods. SWIFN.

6/4/2008 Day: 6

Completion

Leed #731 on 6/3/2008 - RIH w/ CDI 2 1/2" x 1 1/2" x 15' RHAC pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 83- 3/4" slick rods, 99- 3/4" guided rods, 1- 8', 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. RU pumping unit. Hang off rods. RD. PWOP @ 9:00 pm w/ 86" SL & 5 SPM. Final report.

Pertinent Files: Go to File List

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4728'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 178' balance plug using 23 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 363'

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

State 4-16-9-16

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

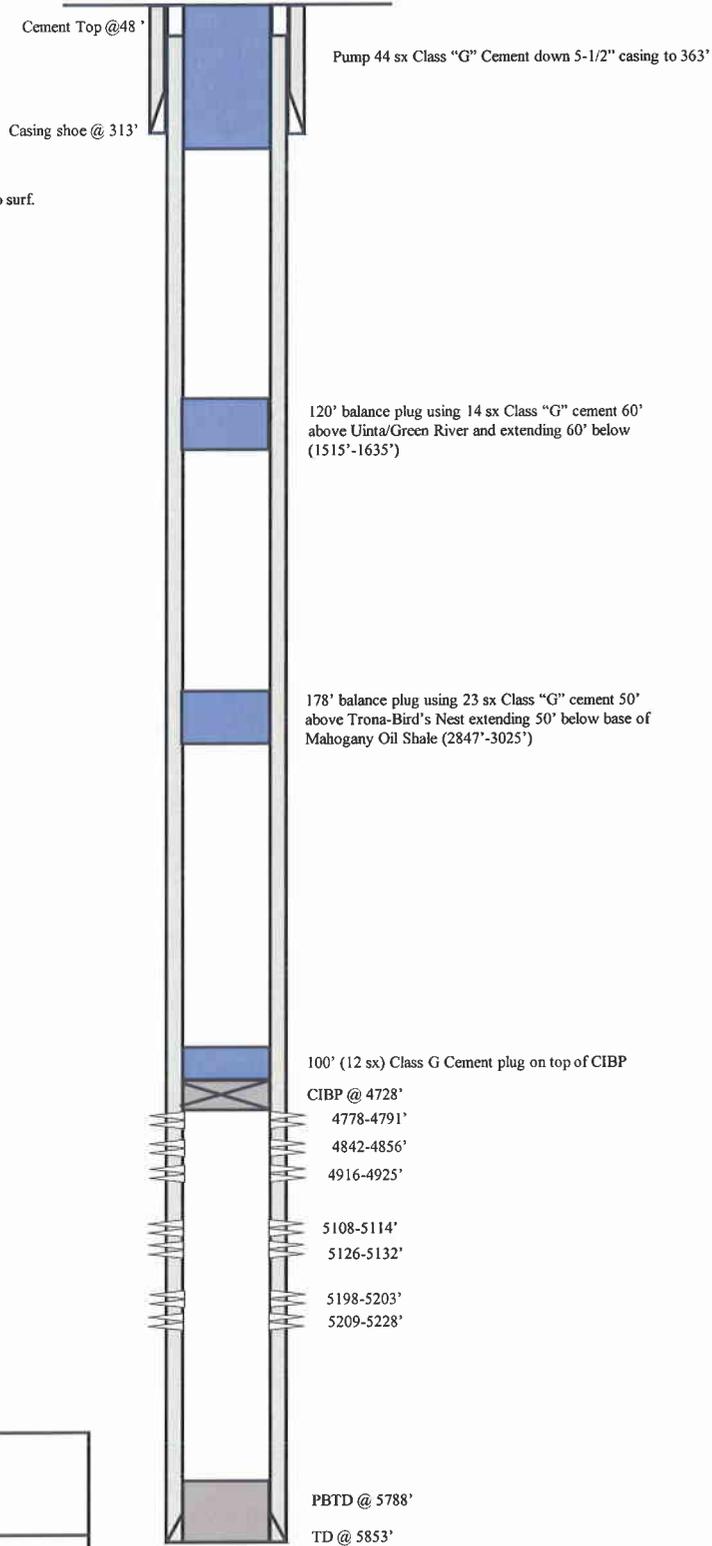
SURFACE CASING

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 Premlite II and 400 sx 50/50 Poz
 CEMENT TOP AT: 48'

Proposed P & A Wellbore Diagram



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