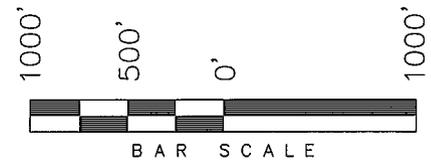
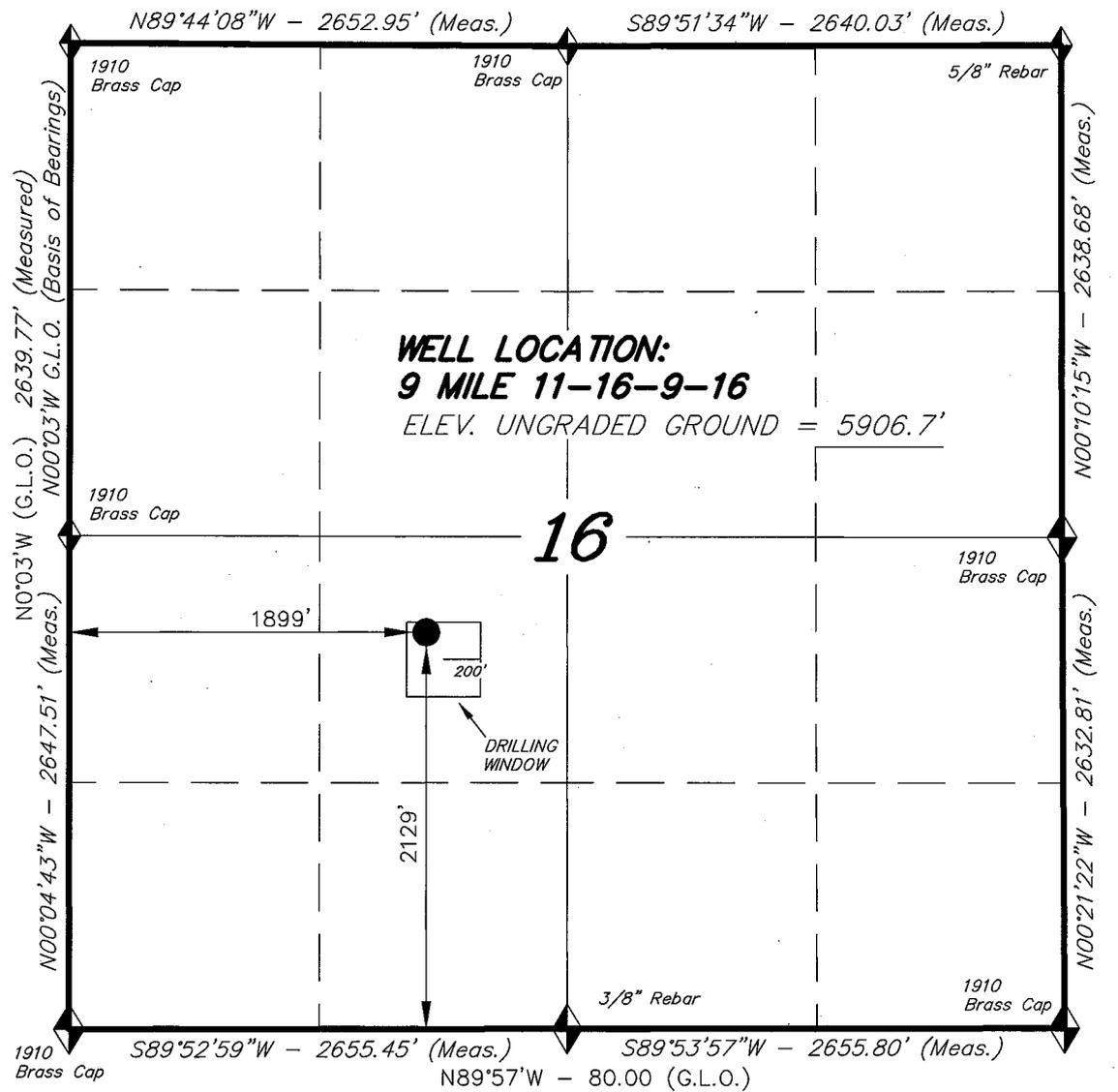


T9S, R16E, S.L.B.&M.

N89°50'W - 80.24 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 11-16-9-16,
 LOCATED AS SHOWN IN THE NE 1/4 SW
 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

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

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

9 MILE 11-16-9-16
 (Surface Location) NAD 83
 LATITUDE = 40° 01' 46.05"
 LONGITUDE = 110° 07' 37.14"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 10-09-07	SURVEYED BY: C.M.
DATE DRAWN: 11-02-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
STATE #11-16-9-16
NE/SW 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 @ ~~290'~~^{400'} +/-, 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 #11-16-9-16
NE/SW 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 #11-16-9-16 located in the NE¼ SW¼ 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 southwesterly along the proposed access road approximately 4,050'; turn and proceed in an easterly direction along the proposed access road approximately 220' 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 4,270' 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 11-16-9-16, 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 11-16-9-16 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

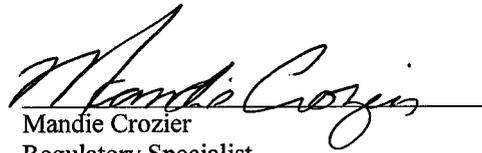
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #11-16-9-16, NE/SW 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.

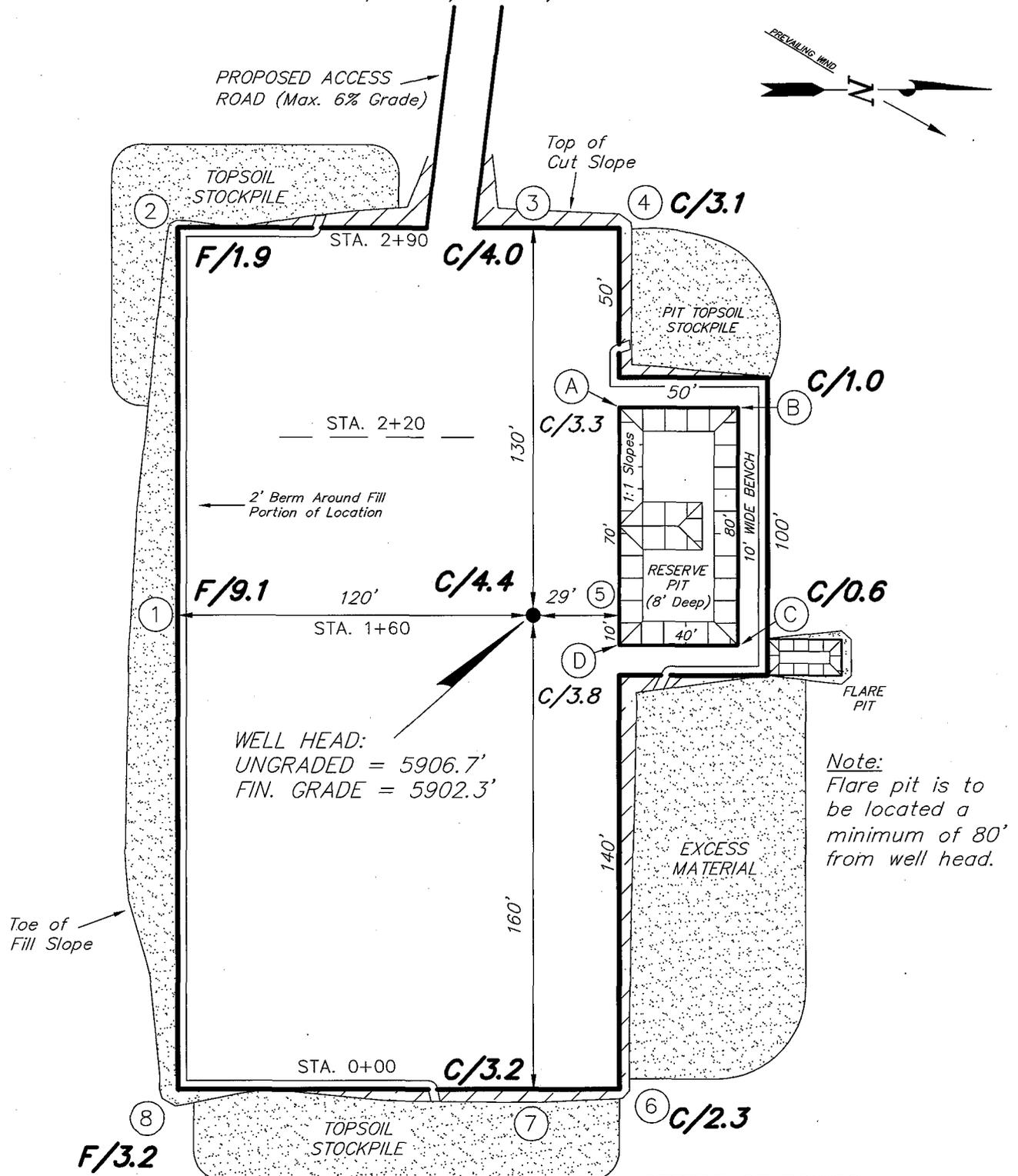
11/19/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 11-16-9-16

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



Note:
Flare pit is to be located a minimum of 80' from well head.

REFERENCE POINTS

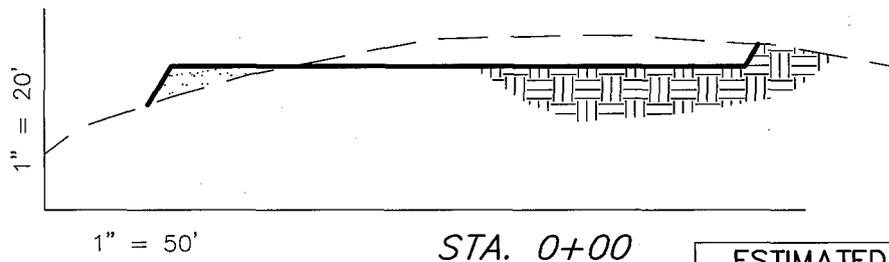
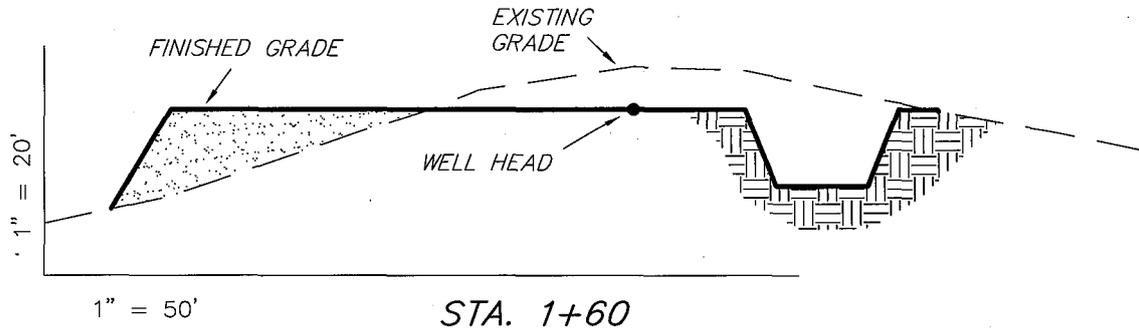
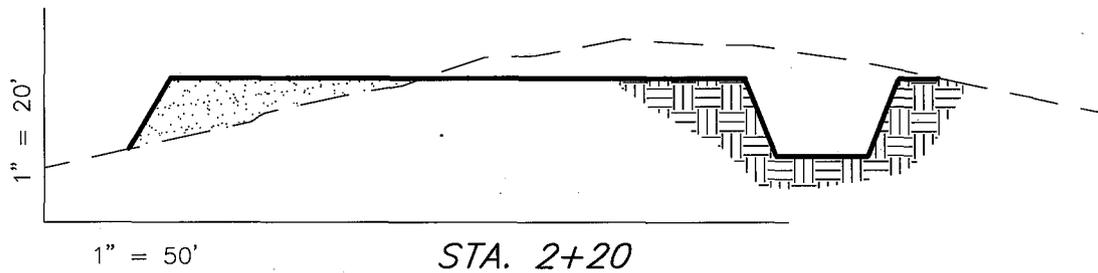
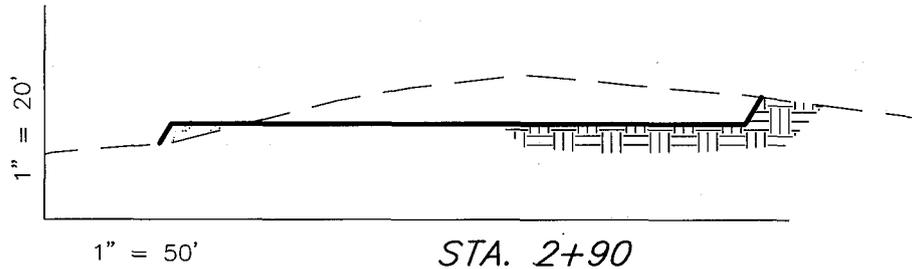
- 210' EASTERLY = 5903.0'
- 260' EASTERLY = 5896.8'
- 170' SOUTHERLY = 5889.1'
- 220' SOUTHERLY = 5888.3'

SURVEYED BY: C.M.	DATE SURVEYED: 10-09-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-07
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 11-16-9-16



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

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,970	2,970	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,610	2,970	1,010	640

SURVEYED BY: C.M.

DATE SURVEYED: 10-09-07

DRAWN BY: F.T.M.

DATE DRAWN: 11-01-07

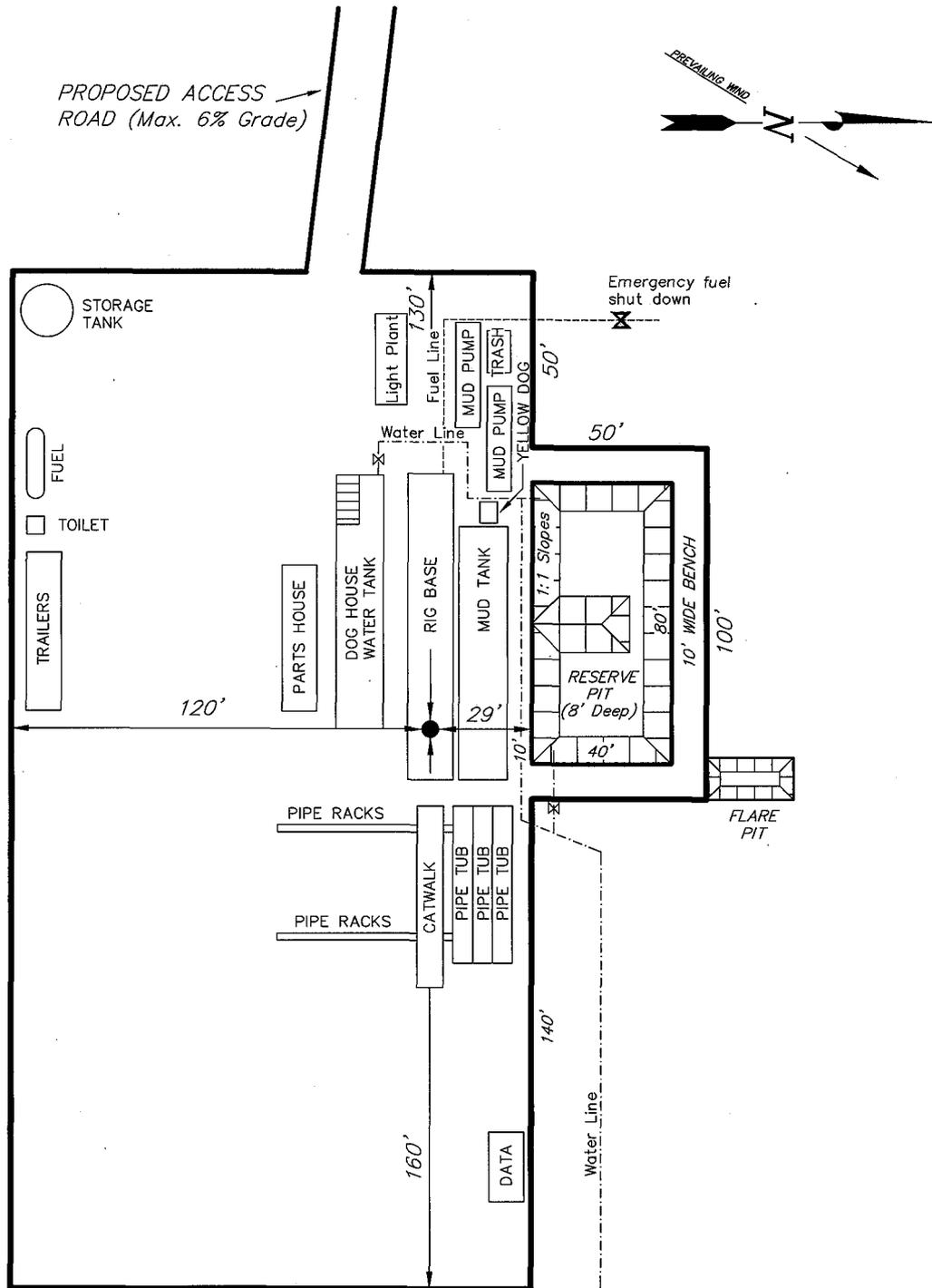
SCALE: 1" = 50'

REVISED:

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

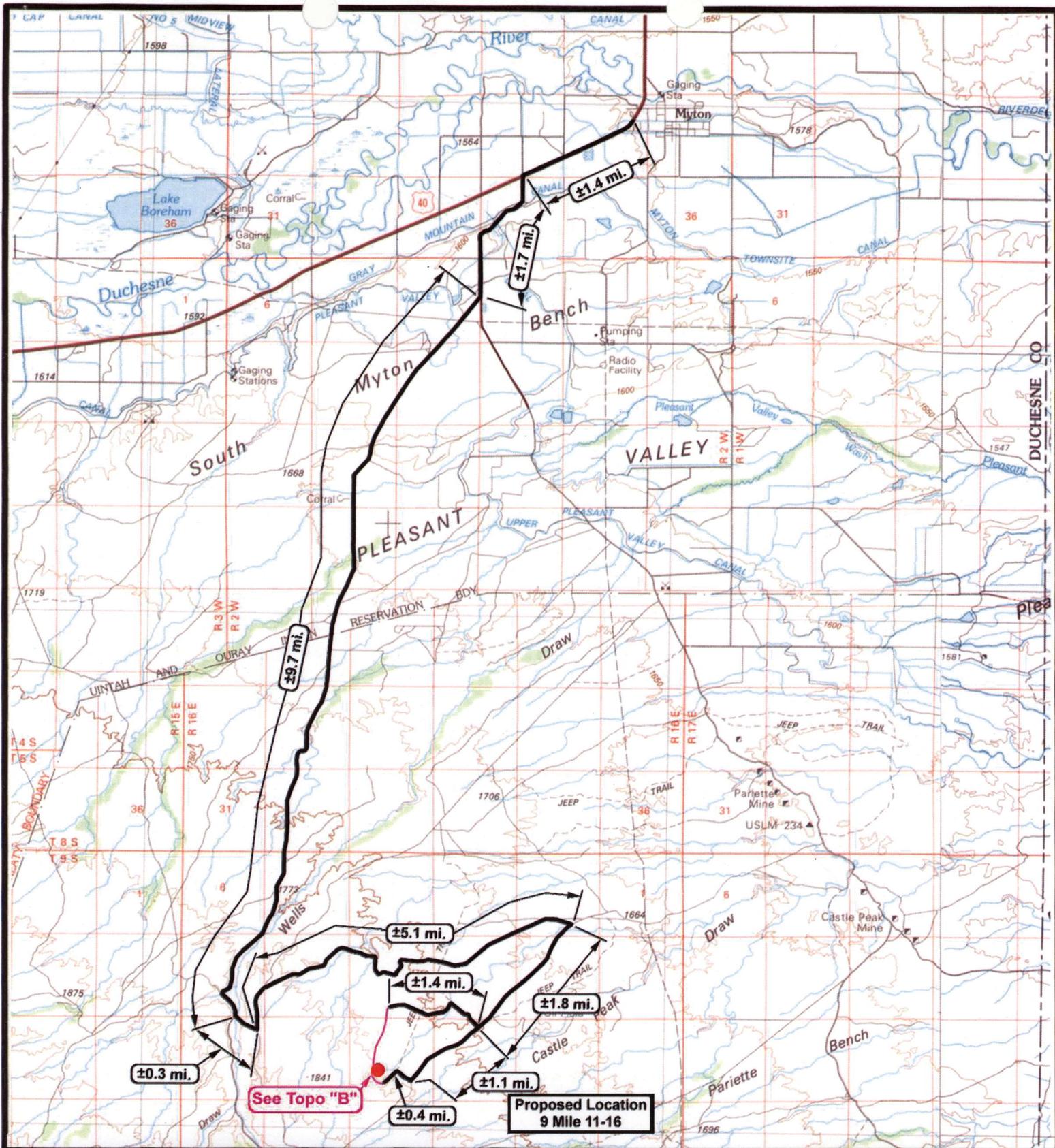
NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT 9 MILE 11-16-9-16



SURVEYED BY: C.M.	DATE SURVEYED: 10-09-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-07
SCALE: 1" = 50'	REVISED:

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



NEWFIELD
Exploration Company

9 Mile 11-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



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

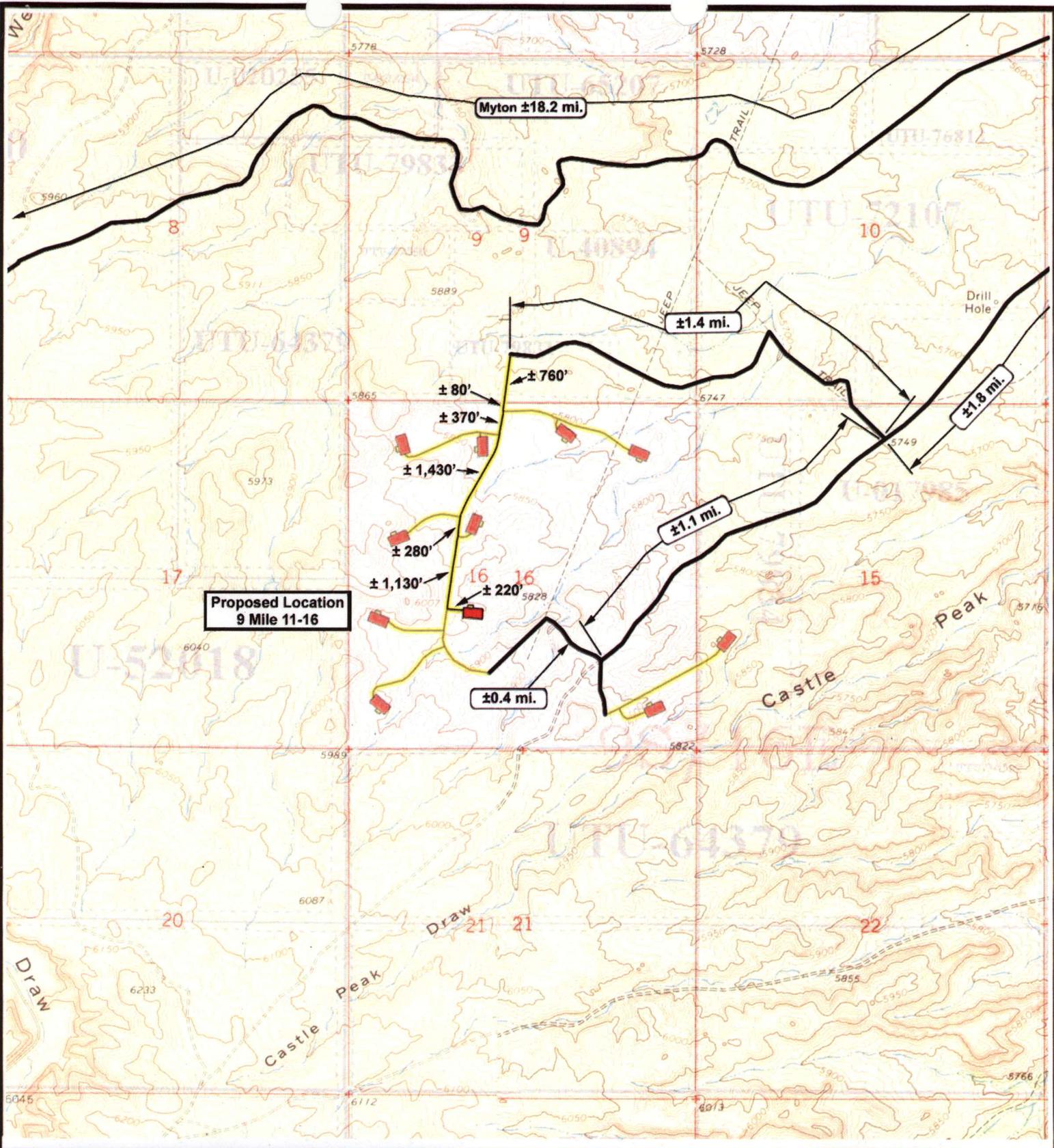
SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 11-02-2007

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"A"



 **NEWFIELD**
Exploration Company

9 Mile 11-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



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

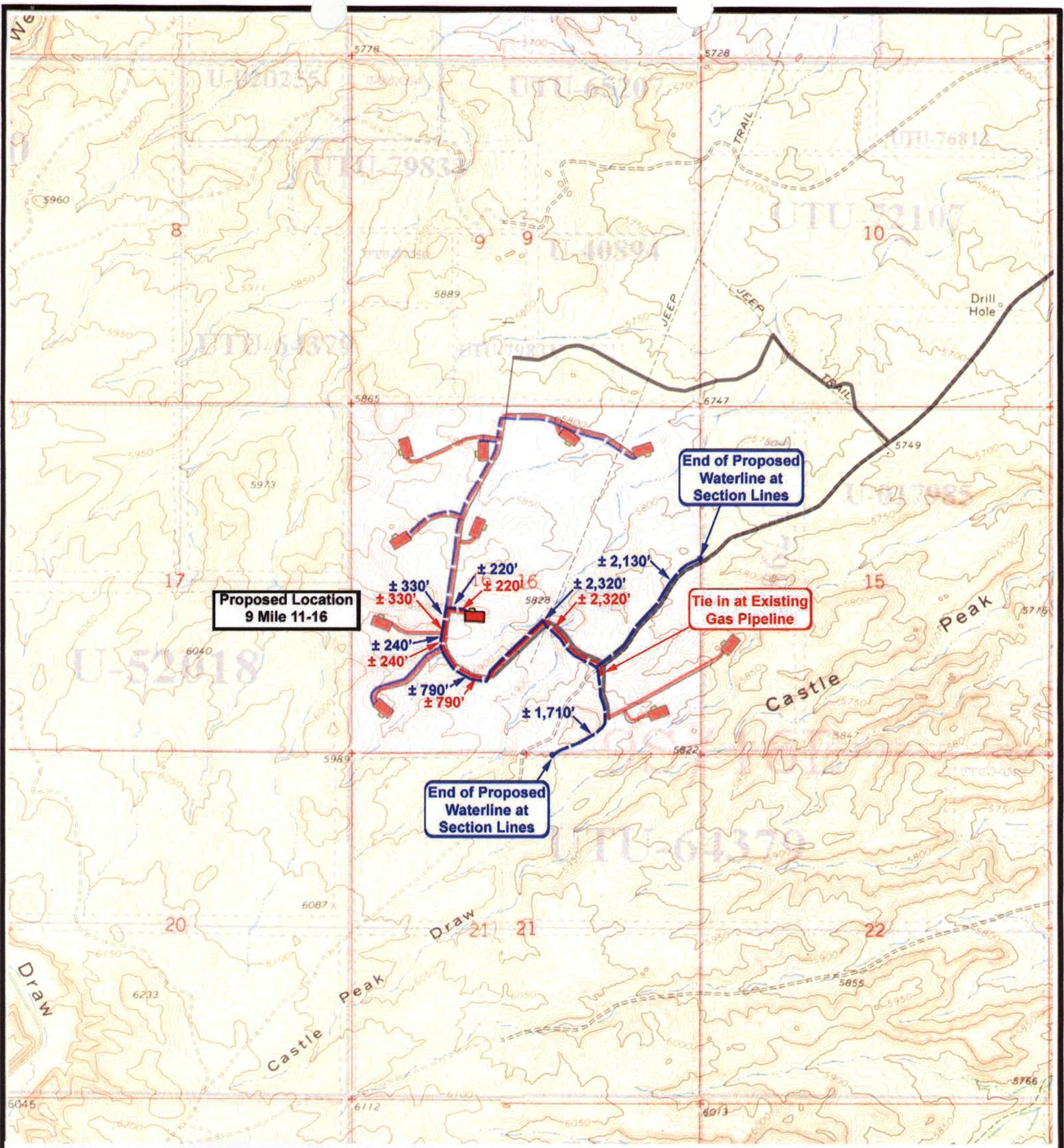
SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend

-  Existing Road
-  Proposed Access

TOPOGRAPHIC MAP

"B"



 **NEWFIELD**
Exploration Company

9 Mile 11-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



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

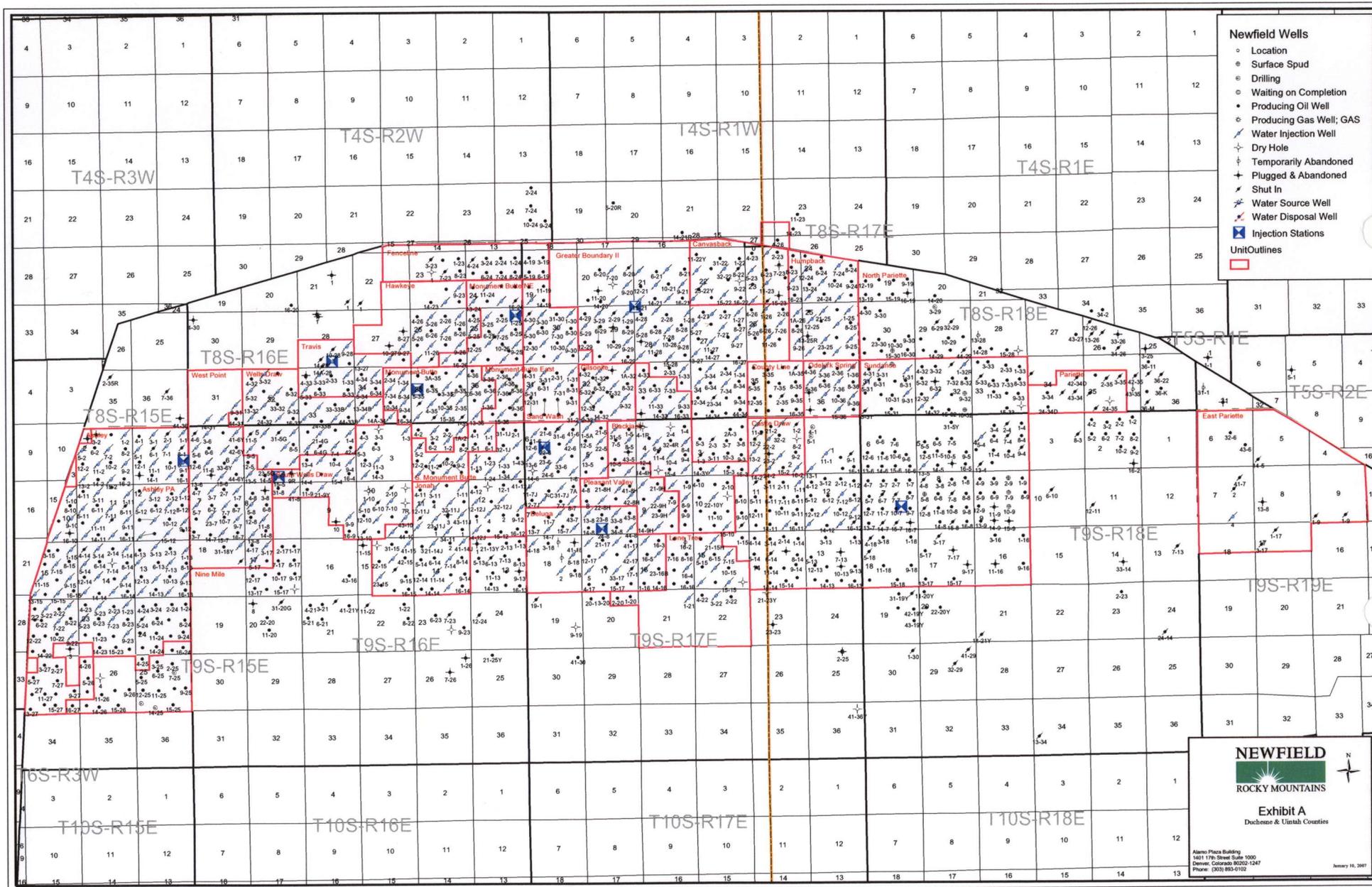
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DRAWN BY: mw
DATE: 11-02-2007

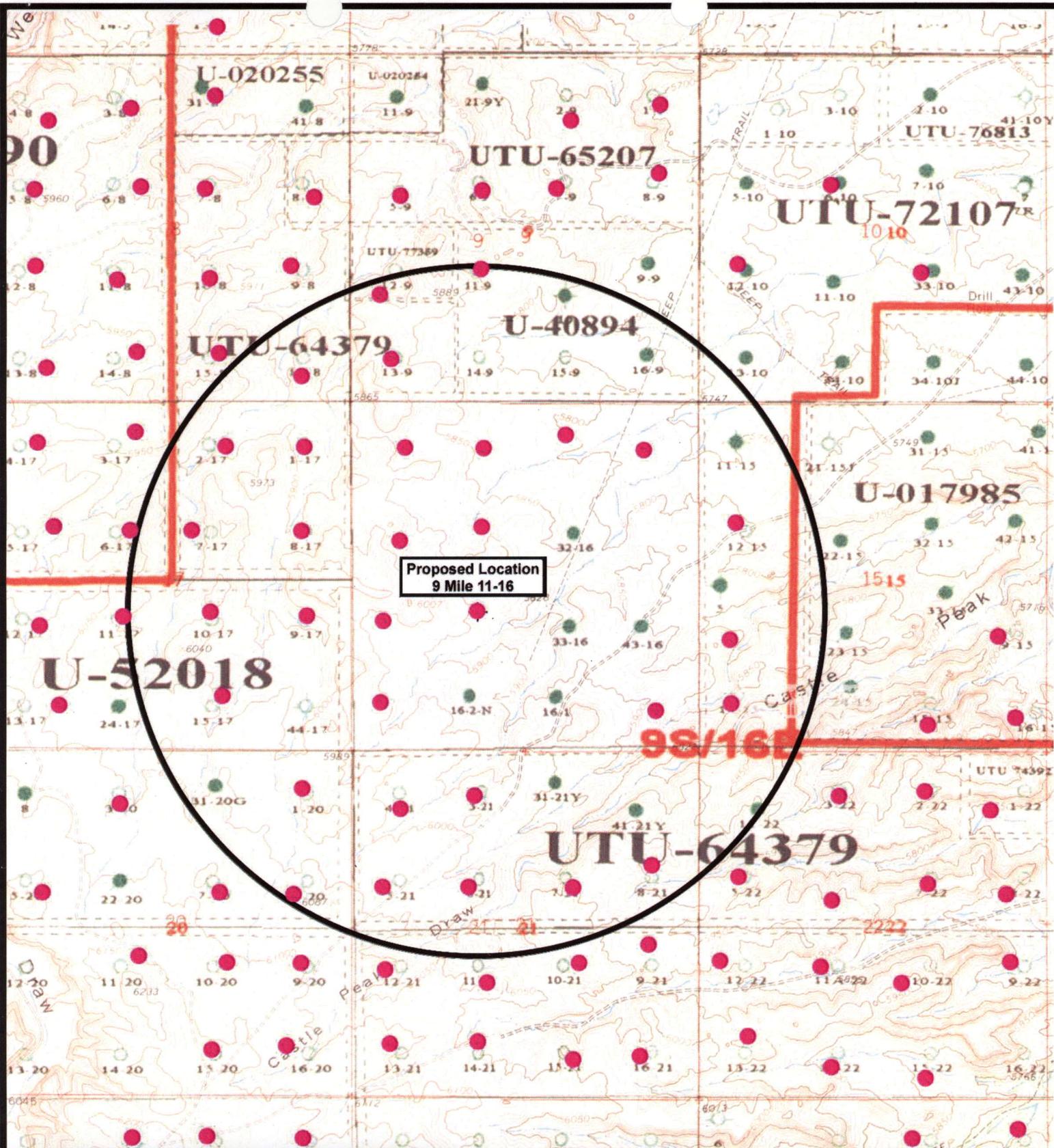
Legend

-  Roads
-  Proposed Gas Line
-  Proposed Water Line

TOPOGRAPHIC MAP

"C"





Proposed Location
9 Mile 11-16

9S/16E



NEWFIELD
Exploration Company

9 Mile 11-16-9-16
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

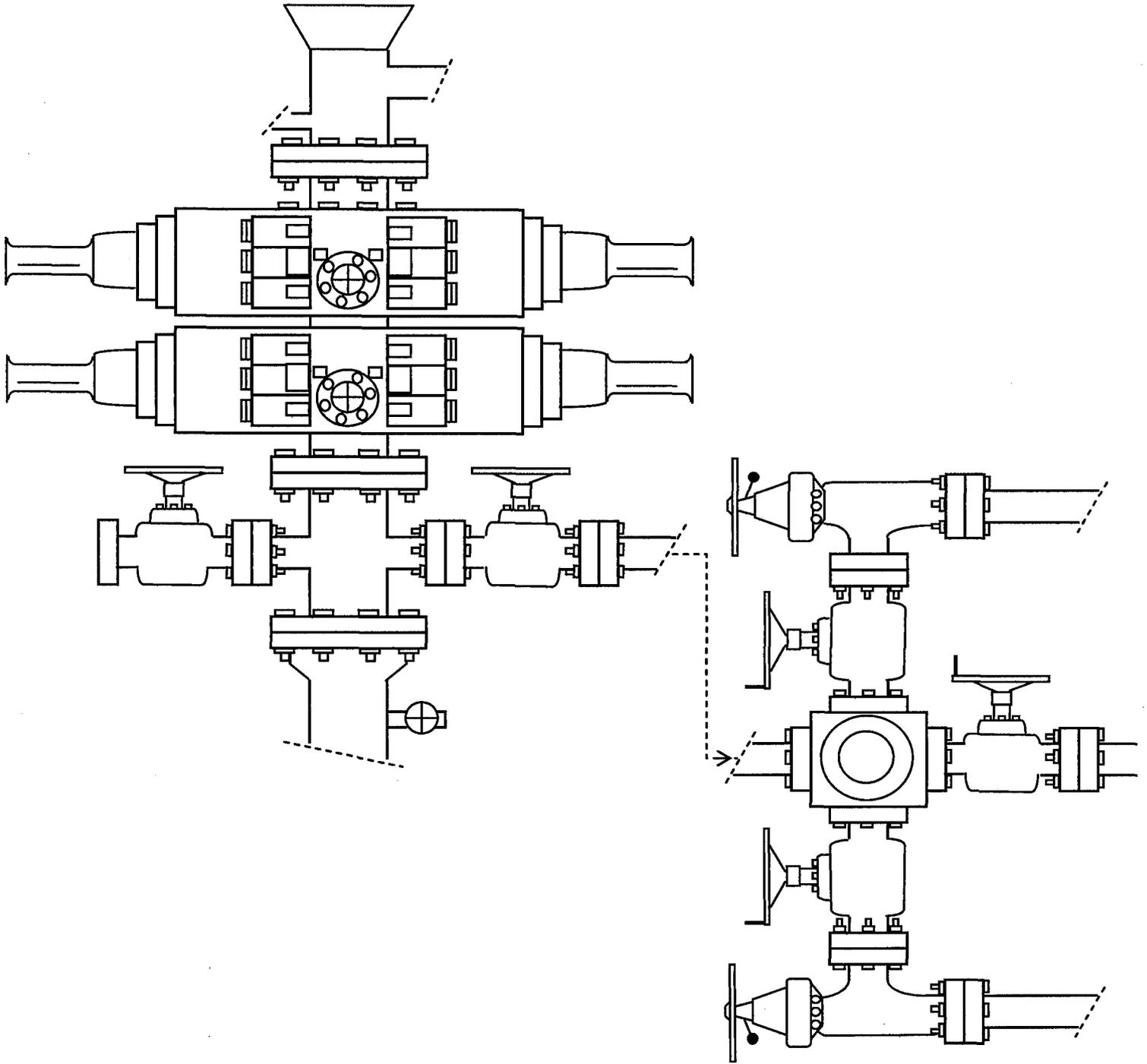


EXHIBIT C

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: 43-013-33851

WELL NAME: STATE 11-16-9-16
 OPERATOR: NEWFIELD PRODUCTION (N2695)
 CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NESW 16 090S 160E
 SURFACE: 2129 FSL 1899 FWL
 BOTTOM: 2129 FSL 1899 FWL
 COUNTY: DUCHESNE
 LATITUDE: 40.02941 LONGITUDE: -110.1263
 UTM SURF EASTINGS: 574546 NORTHINGS: 4431177
 FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	Dred	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:

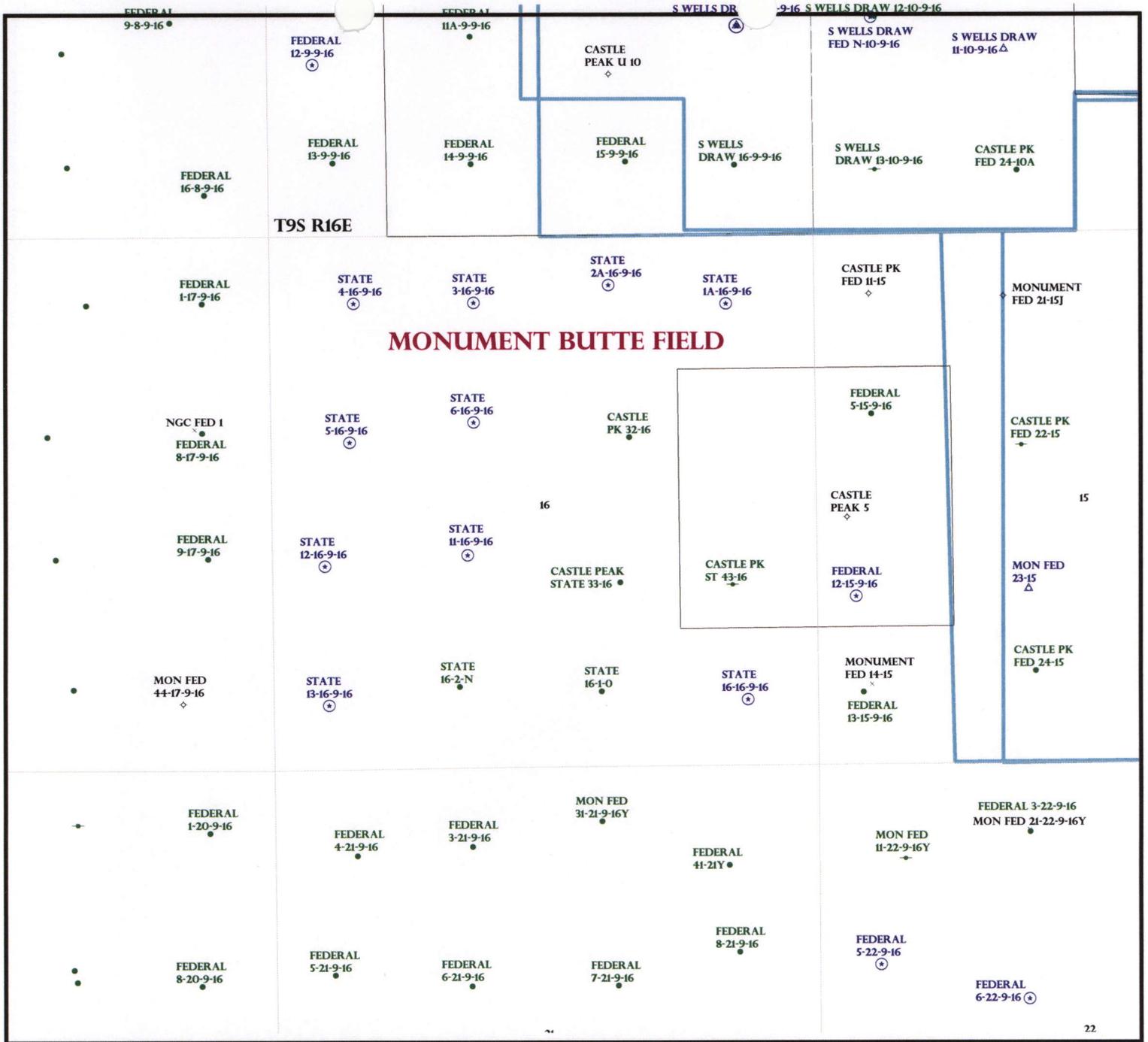
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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 Strip
2- STATEMENT OF BASIS
3- Surface Csg Cont Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 16 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

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

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



PREPARED BY: DIANA MASON
DATE: 05-DECEMBER-2007

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
632	43-013-33851-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY	Surface Owner-APD			
Well Name	STATE 11-16-9-16	Unit			
Field	MONUMENT BUTTE	Type of Work			
Location	NESW 16 9S 16E S 2129 FSL 1899 FWL GPS Coord (UTM) 574546E 4431177N				

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 22.2 miles. Construction of 220 feet of new road will be required.

The proposed State #11-16-9-16 oil well location is in rolling terrain where the top of a narrow gentle sloping ridge top will be rounded off. This ridge runs in a northeasterly direction. It slopes moderately to gently on the south side where filling will occur. It also slopes off beyond the location to the east where a moderately deep draws runs in a northerly direction. Fill from the location will not extend to this draw. A swale on the west portion of the location will be filled but no diversion is needed. The surface of the pit is at grade level. 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. A golden eagle nest of unknown status is located in sight to the northeast of the location. A timing restriction of Feb 1 to July 15th was recommended. 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.

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 2

Floyd Bartlett
Onsite Evaluator

12/13/2007
Date / Time

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 11-16-9-16
API Number 43-013-33851-0 **APD No** 632 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NESW **Sec** 16 **Tw** 9S **Rng** 16E 2129 FSL 1899 FWL
GPS Coord (UTM) 574551 4431188 **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 22.2 miles. Construction of 220 feet of new road will be required.

The proposed State #11-16-9-16 oil well location is in rolling terrain where the top of a narrow gentle sloping ridge top will be rounded off. This ridge runs in a northeasterly direction. It slopes moderately to gently on the south side where filling will occur. Also slopes off beyond the location to the east where a moderately deep draws runs in a northerly direction. Fill from the location will not extend to this draw. A swale on the west portion of the location will be filled but no diversion is needed. The surface of the pit is at grade level. 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.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.02	Width 209 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?** Y **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 northwest 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 11-16-9-16

Casing Schematic

BHP

2839 psi
anticipate 1800 psi

8-5/8"
MW 8.4
Frac 19.3

Gas

2059 psi, MASP

BOPE 2M

Burst 2950
70% 2065 psi

Max P @ surf. shoe
1497 psi

✓ Adequate OAD 4/24/08

Surface

127

181

TOC @ 103.

TOC @ 153.

Surface

400: MD

Uenta
to surf w/3% w/o
* Surf stop ✓
to surf w/11% w/o



1700' Green River

2900' ± BMSW

3749' tail

6500' Wasatch

5-1/2"
MW 8.4

Production
6500. MD

BOPE REVIEW

Well Name	Newfield State 11-16-9-16 API# 43-013-33851
------------------	---

INPUT				
Well Name	Newfield State 11-16-9-16 API# 43-013-33851			
	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 press. @ 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 11-16-9-16

Operator: **Newfield Production Company**

String type: **Surface**

Project ID:

43-013-33851

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	175	1370	7.851	400	2950	7.38	8	244	29.09 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 11-16-9-16Operator: **Newfield Production Company**

String type: Production

Project ID:

43-013-33851

Location: Duchesne County

Design parameters:**Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Burst**Max anticipated surface
pressure: 1,406 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,836 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: 5,674 ft

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

Non-directional string.

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 (ft ³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	868.7
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 Helen Sadik-Macdonald
by: 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.

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

From: Ed Bonner
To: Mason, Diana
Date: 6/11/2008 10:19 AM
Subject: Well Clearance

CC: dallred@newfield.com; Davis, Jim; Garrison, LaVonne; Hill, Brad; Jar...
The following wells have been given cultural resources clearance and are cleared for approval by the Trust Lands Administration:

Newfield Production Company
Gilsonite State 2A-32T-8-17 (API 43 013 33803)
State 11-16-9-16 (API 43 013 33851)
State 23-2T-9-17 (API 43 047 39772)

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



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

June 11, 2008

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

Re: State 11-16-9-16 Well, 2129' FSL, 1899' FWL, NE SW, 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 43-013-33851.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA

Operator: Newfield Production Company

Well Name & Number State 11-16-9-16

API Number: 43-013-33851

Lease: ML-16532

Location: NE SW 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) 942-0871 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. Surface casing shall be cemented to the surface.
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. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: STATE 11-16-9-16

Api No: 43-013-33851 Lease Type: STATE

Section 16 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 21

SPUDDED:

Date 07/16/08

Time 11:43 AM

How DRY

Drilling will Commence: _____

Reported by SEAN STEVENS

Telephone # (435) 823-1162

Date 07/16//08 Signed CHD

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	14844 ✓	4304736025	FEDERAL 14-33-8-18	SESW	33	8S	18E	UINTAH	7/10/2008	7/31/08
WELL 1 COMMENTS: GRRV											
B	99999	10835 ✓	4301333862	MONUMENT BUTTE STATE F-36-8-16	NWNW	36	8S	16E	DUCHESNE	7/11/2008	7/31/08
GRRV BHL = NWNW											
A	99999	16990	4304739397	FEDERAL 11-19-9-18	NESW	19	9S	18E	UINTAH	7/8/2008	7/31/08
GRRV											
B	99999	11486 ✓	4301333864	GILSONITE STATE L-32-8-17	SENE	32	8S	17E	DUCHESNE	7/14/2008	7/31/08
GRRV BHL = NWSE											
A	99999	16991	4304739395	FEDERAL 6-19-9-18	SESW	19	9S	18E	UINTAH	7/14/2008	7/31/08
WELL 5 COMMENTS: GRRV											
A	99999	16992	4301333851	STATE 11-16-9-16	NESW	16	9S	16E	DUCHESNE	7/16/2008	7/31/08
WELL 5 COMMENTS: GRRV											

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

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

RECEIVED
JUL 16 2008
DIV. OF OIL, GAS & MINING


Signature
Production Clerk
Date 07/16/08

Jentri Park

07/16/08
Date

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 11-16-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333851

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: 2129 FSL 1899 FWL

COUNTY: DUCHESNE

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

STATE: UT

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

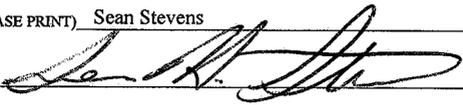
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> 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: 07/17/2008	<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 7-17-08 MIRU Ross # 21. Drill 415' of 12 1/4" hole with air mist. TIH W/ 9 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.05'/ KB On 7-17-08 cement with 218 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Sean Stevens

TITLE Field Engineer

SIGNATURE 

DATE 07/18/2008

(This space for State use only)

RECEIVED

JUL 25 2008

DIV. OF OIL, GAS & MINING

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

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2129 FSL 1899 FWL COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 16, T9S, R16E STATE: UT

8. WELL NAME and NUMBER:
STATE 11-16-9-16

9. API NUMBER:
4301333851

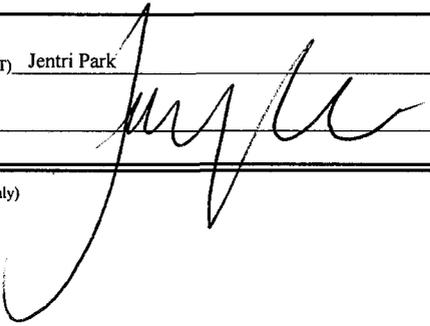
10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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: 09/24/2008	<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 08-28-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk

SIGNATURE  DATE 09/24/2008

(This space for State use only)

RECEIVED
OCT 02 2008

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

STATE 11-16-9-16**6/1/2008 To 10/30/2008****8/13/2008 Day: 1****Completion**

Rigless on 8/12/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5716' cement top @ 40'. Perforate stage #1. CP1 sds @ 5528- 50' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 88 shots. 138 BWTR. SIFN.

8/19/2008 Day: 2**Completion**

Rigless on 8/18/2008 - Day 2a, Stage #1 CP1 sds. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 85,230#'s of 20/40 sand in 662 bbls of Lightning 17 fluid. Broke @ 3117 psi. Treated w/ ave pressure of 1430 psi w/ ave rate of 23.3 BPM. ISIP 1935 psi. Leave pressure on well. 800 BWTR. See day 2b. Day 2b, Stage #2 LODC 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 @ 5280'. Perforate LODC sds @ 5174-88' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 56 shots. RU BJ Services. 539 psi on well. Frac LODC sds w/ 35,330#'s of 20/40 sand in 371 bbls of Lightning 17 fluid. Broke @ 3733 psi. Treated w/ ave pressure of 3100 psi w/ ave rate of 20.1 BPM. ISIP 4026 psi. Leave pressure on well. 1171 BWTR. See day 2c. Day 2c, Stage #3 A1 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 16' & 18' perf guns. Set plug @ 5104'. Perforate A1 sds @ 5050-66' & 5074-92' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 136 shots. BJ broke down. Could not frac. SWIFN.

8/20/2008 Day: 3**Completion**

Rigless on 8/19/2008 - Stage #3 A1 sds. RU BJ Services. 60 psi on well. Frac A1 sds w/ 84,924#'s of 20/40 sand in 701 bbls of Lightning 17 fluid. Broke @ 942 psi. Treated w/ ave pressure of 1705 psi w/ ave rate of 23.2 BPM. ISIP 2112 psi. Leave pressure on well. 1872 BWTR. Stage #4 D2/D3 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 16', 8' perf guns. Set plug @ 4830'. Perforate D2 sds @ 4684-4700' & D3 sds @ 4748-56' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 96 shots. RU BJ Services. 1737 psi on well. Frac D2/D3 sds w/ 50,386#'s of 20/40 sand in 440 bbls of Lightning 17 fluid. Broke @ 2389 psi. Treated w/ ave pressure of 1826 psi w/ ave rate of 23.1 BPM. ISIP 2101 psi. Leave pressure on well. 2312 BWTR. Stage #5 GB6 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4280'. Perforate GB6 sds @ 4170-80' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 40 shots. RU BJ Services. 1822 psi on well. Frac GB6 sds w/ 39,122#'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Broke @ 3266 psi. Treated w/ ave pressure of 1873 psi w/ ave rate of 23.1 BPM. ISIP 1993 psi. Open well to pit for immediate flowback @ 3 bpm. Well flowed for 3 hrs & died. Recovered 400 bbls. SWIFN.

8/21/2008 Day: 4**Completion**

Leed #712 on 8/20/2008 - MIRU Leed #712. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 110 jts new 2 7/8" tbg. from pipe rack (drifting & tallying). EOT @ 3465'.

8/22/2008 Day: 5

Completion

Leed #712 on 8/21/2008 - Cont. RIH w/ tbg. Tag sand @ 4118'. RU powerswivel & pump. C/O to CBP @ 4280'. DU CBP in 28 min. Cont. RIH tbg. Tag sand @ 4701'. C/O to CBP @ 4830'. DU CBP in 38 min. Cont. RIH w/ tbg. Tag sand @ 4983'. C/O to CBP @ 5104'. DU CBP in 29 min. Cont. RIH w/ tbg. Tag sand @ 5116'. C/O to CBP @ 5280'. DU CBP in 44 min. Circulate well clean. SWIFN.

8/23/2008 Day: 6

Completion

Leed #712 on 8/22/2008 - RIH w/ tbg. Tag @ 5619'. C/O to PBTD @ 5748'. Circulate well clean. Pull up to 5655'. RIH w/ swab. SFL @ surface. Made 12 runs. Recovered 98 bbls water. Trace of oil. No show of sand. EFL @ 1800'. SWIFN.

8/26/2008 Day: 7

Completion

Leed #712 on 8/25/2008 - RIH w/ swab. Made 4 runs. Recovered 100 bbls. RIH w/ tbg. Tag PBTD @ 5747'. Well started flowing. Kill well w/ 190 bbls water. C/O to PBTD @ 5748'. POOH w/ tbg. SWIFN.

8/27/2008 Day: 8

Completion

Leed #712 on 8/26/2008 - RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 179 jts 2 7/8" tbg. ND BOP. Set TAC @ 5510' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH CDI 2 1/2" x 1 1/2" x 16' x 18' rod pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 96- 3/4" slick rods, 100- 3/4" guided rods, 1- 4', 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. Good pump action. RU pumping unit. Could not hang off rods due to pumping unit not placed correctly. SWIFN.

8/28/2008 Day: 9

Completion

Leed #712 on 8/27/2008 - Can not hang rods on unit. Find tag. Clamp polished rod off on stuffing box. RD. SWIFN.

8/29/2008 Day: 10

Completion

on 8/28/2008 - Repair trace leak. Reset pumping unit & hang off rods. PWOP @ 8:00 am w/ 86" SL & 4 1/2 SPM. Final report.

Pertinent Files: Go to File List

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		7. UNIT AGREEMENT NAME _____	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____		8. FARM OR LEASE NAME, WELL NO. STATE 11-16-9-16	
2. NAME OF OPERATOR Newfield Exploration Company		9. WELL NO. 43-013-33851	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202		10. FIELD AND POOL OR WILDCAT Monument Butte	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 2129' FSL & 1899' FWL (NE/SE) Sec. 16, T9S, R16E At top prod. Interval reported below At total depth		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 16, T9S, R16E	
14. API NO. 43-013-33851		DATE ISSUED 6/11/08	
15. DATE SPUDDED 7/16/08		16. DATE T.D. REACHED 8/2/08	
17. DATE COMPL. (Ready to prod.) 8/28/08		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5907' GL 5919' KB	
19. ELEV. CASINGHEAD		20. COUNTY OR PARISH Duchesne	
21. PLUG BACK T.D., MD & TVD 5835'		22. IF MULTIPLE COMPL., HOW MANY* ----->	
23. INTERVALS DRILLED BY		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4170-5550'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log		27. WAS WELL CORED No	

CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	413'	12-1/4"	To surface with 218 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5822'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5607'	TA @ 5510'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	
(CP1) 5528-5550'	.49"	4/88	5528-5550'	Frac w/ 85230# 20/40 sand in 662 bbls fluid	
(LODC) 5174-5188'	.49"	4/56	5174-5188'	Frac w/ 35,330# 20/40 sand in 371 bbls fluid	
(A1) 5050-5066', 5074-5092'	.49"	4/136	5050-5092'	Frac w/ 84,924# 20/40 sand in 701 bbls fluid	
(D2) 4684-4700', (D3)4748-4756'	.49"	4/68	4684-4756'	Frac w/ 50386# 20/40 sand in 440 bbls fluid	
(GB6) 4170-4180'	.49"	4/40	4170-4180'	Frac w/ 39,122# 20/40 sand in 370 bbls fluid	

33.* PRODUCTION

DATE FIRST PRODUCTION 8/28/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' X 18' RHAC Rod Pump				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 9/17/08	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL. 9	GAS--MCF. 0	WATER--BBL. 2	GAS-OIL RATIO 0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

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

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Tammi Lee TITLE Production Clerk DATE 10/6/2008

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	
				MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name State 11-16-9-16	3613'	
				3827'	
				3934'	
				4184'	
				4404'	
				4441'	
				4604'	
				4843'	
				4946'	
				5462'	
				NP	
				5833'	

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 11-16-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013338510000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2129 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW 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 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 subject well has been converted from a producing oil well to an injection well on 07/16/2013. On 07/17/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/17/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

Date: August 26, 2013

By:

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/23/2013	

Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 7/17/13 Time 11:45 am pm

Test Conducted by: Riley Bagley

Others Present: Johnny Daniels

Well: State 11-16-9-16 Field: Monument Butte
Well Location: State 11-16-9-16 API No: 4301333851

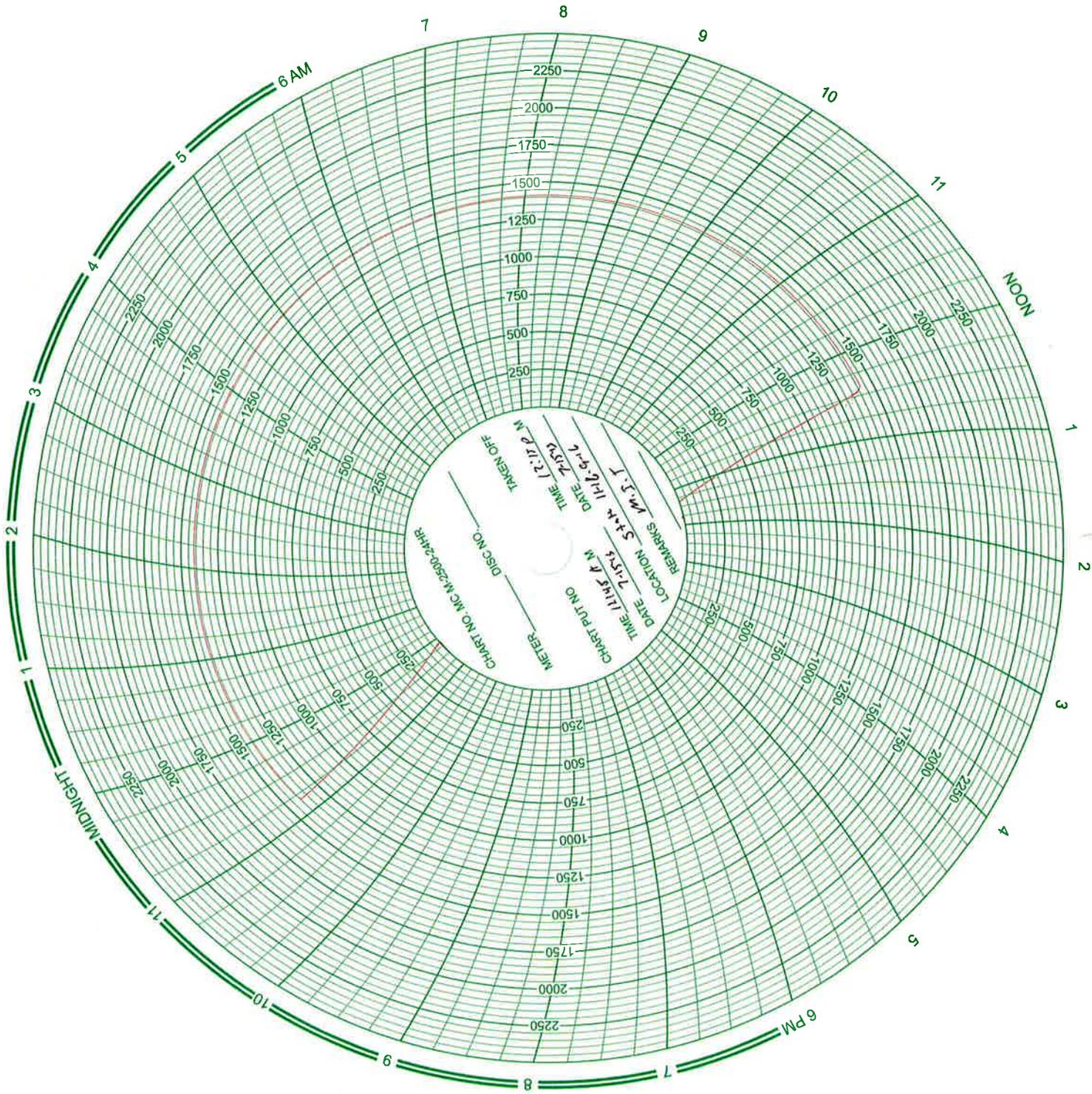
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1400</u>	psig
25	<u>1400</u>	psig
30 min	<u>1400</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 250 psig

Result: Pass Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Riley Bagley



Daily Activity Report**Format For Sundry****STATE 11-16-9-16****5/1/2013 To 9/30/2013****7/15/2013 Day: 1****Conversion**

wildcat #2 on 7/15/2013 - FLUSHED 40 BBLS ON TBG @250 DEG LD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 130-3/4" 4-PER GUIDED RODS, 96-3/4" SLICK SUCKER RODS - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 11:30AM FLUSHED 40 BBLS ON TBG @250 DEG LD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 130-3/4" 4-PER GUIDED RODS, 96-3/4" SLICK SUCKER RODS, 6-1 1/2" C(API) WT BARS 11:30AM TO 12:30PM RIH W/ SANDLINE TO TAG FILL TAGGED FILL@5738' 12:30PM TO 1:30PM ND WH RELEASED TAC NU BOPS RD RIG FLOOR 1:30PM TO 3:00PM TOOH 36 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ GREEN LIQUID O-RING DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL

Daily Cost: \$0**Cumulative Cost:** \$16,175**7/16/2013 Day: 2****Conversion**

wildcat #2 on 7/16/2013 - 11:30AM BLEW DOWN WELL FLUSHED TBG W/ 40 BBLS @250DEG TOOH 97 JTS OF TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 11:30AM BLEW DOWN WELL FLUSHED TBG W/ 40 BBLS @250DEG TOOH 97 JTS OF TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 11:30AM TO 1:30PM LD 49 JTS 1 TAC 1 PSN 1 NC 1:30PM TO 3:30PM TIH 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-5 1/2" WEATHERFORD PKR, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 133-JTS TBG 3:30PM TO 4:30PM PUMPED 10 BBLS DROPPED STANDING VALVE CHASED W/ 25 BBLS PT TBG TO 3K PSI HELD 100% FOR 30MIN RIH W/ SANDLINE RETRIEVED STANDING VALVE POOH 4:30PM TO 5:30PM RU RIG FLOOR ND BOPS NU INJECTION WH SIWFN 5:30PM TO 7:00PM CREW TRAVEL

Daily Cost: \$0**Cumulative Cost:** \$23,307**7/17/2013 Day: 3****Conversion**

wildcat #2 on 7/17/2013 - BLEW DOWN WELL CIRCULATED 50 BBLS OF PKR FLUID SET PKR W/ 15K# TENSION LANDED WELL W/ INJECTION TREE LOADED CSG W/ 25 BBLS OF PKR FLUID PT CSG TO 1400 PSI HELD 100% FOR 30 MIN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM BLEW DOWN WELL CIRCULATED 50 BBLS OF PKR FLUID SET PKR W/ 15K# TENSION LANDED WELL W/ INJECTION TREE LOADED CSG W/ 25 BBLS OF PKR FLUID PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 10:00AM TO 11:00AM RD RIG PRE INSPECT FOR ROADING TO NEXT LOCATION

Daily Cost: \$0**Cumulative Cost:** \$27,632**7/22/2013 Day: 4****Conversion**

Rigless on 7/22/2013 - Conduct initial MIT - On 07/17/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/17/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss.

The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$59,844

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

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

State 11-16-9-16

Injection Wellbore Diagram

SURFACE CASING

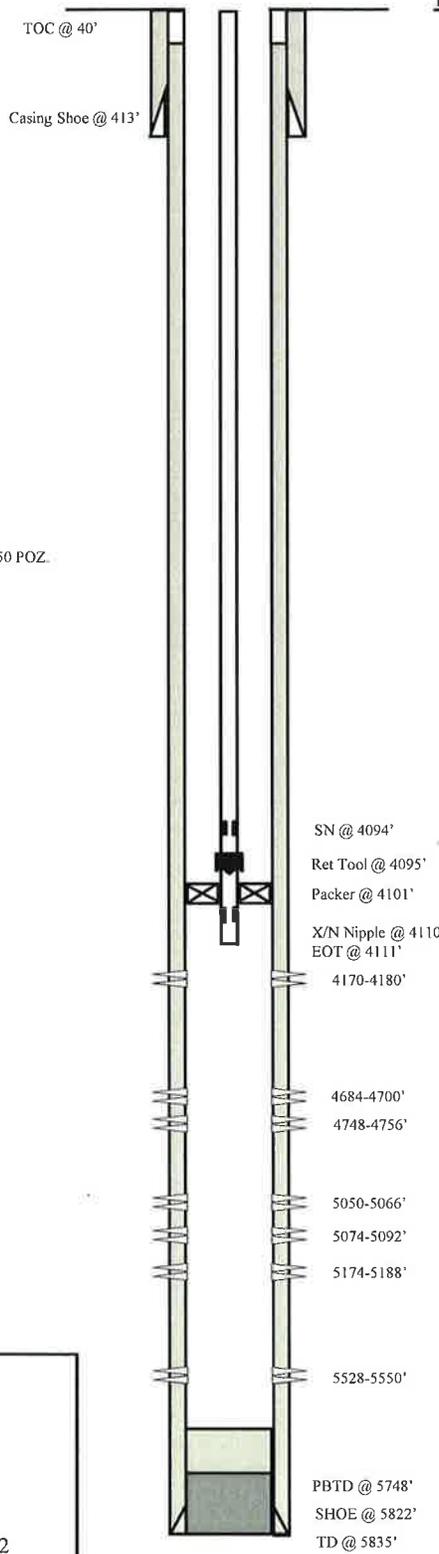
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts, (403.45')
 DEPTH LANDED: 413.45'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 218 sxs Class "G" cmt

PRODUCTION CASING

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

TUBING

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



FRAC JOB

<p>08-18-08 5528-5550'</p> <p>08-18-08 5174-5188'</p> <p>08-18-08 5050-5092'</p> <p>08-18-08 4684-4756'</p> <p>08-18-08 4170-4180'</p> <p>9/10/08</p> <p>07/16/13</p> <p>07/17/13</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Pump Change Updated rod & tubing details.</p> <p>Convert to Injection Well</p> <p>Conversion MIT Finalized - update tbg detail</p>
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PERFORATION RECORD

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



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

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
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: STATE 11-16-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013338510000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2129 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW 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: 9/5/2013	<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 type="text"/>

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

The above reference well was put on injection at 11:00 AM on
09/05/2013.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
September 09, 2013**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/6/2013	



August 12, 2011

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 #11-16-9-16
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 #11-16-9-16 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 horizontal line extending to the right.

Eric Sundberg
Regulatory Lead

RECEIVED
AUG 16 2011
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
STATE #11-16-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #ML-16532
AUGUST 12, 2011

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ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 8/13/08 – 8/30/2008
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

State 11-16-9-16

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

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

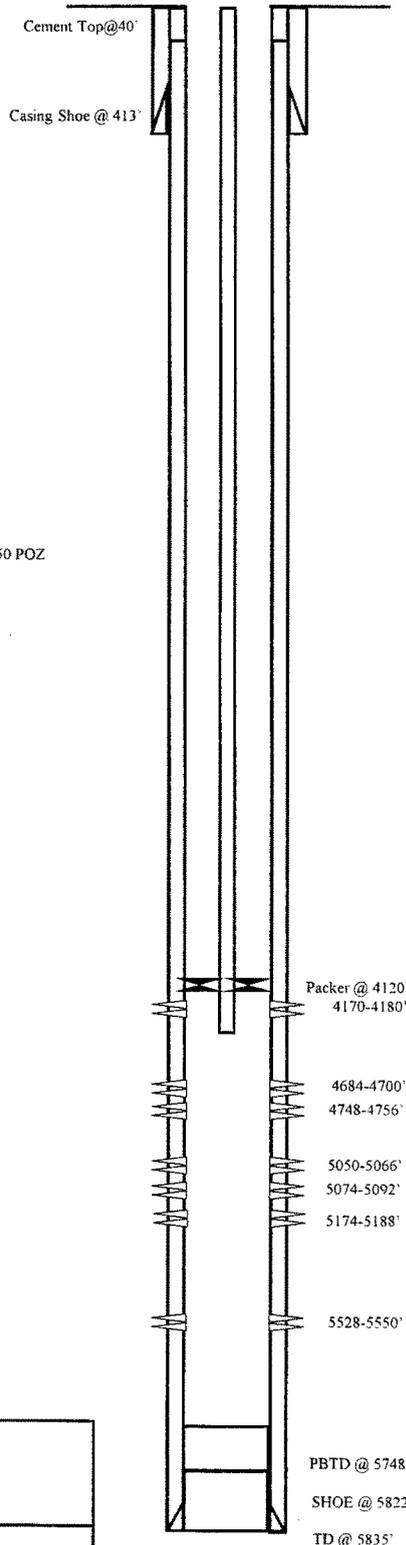
PRODUCTION CASING

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

Proposed Injection Wellbore Diagram



FRAC JOB

08-18-08	5528-5550'	Frac CPI 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
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9/10/08		Pump Change Updated rod & tubing details

PERFORATION RECORD

4170-4180'	4 JSPF	40 holes
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5074-5092'	4 JSPF	72 holes
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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

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 #11-16-9-16 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 #11-16-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3933' - 5748'). 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 3613' and the TD is at 5835'.

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

The referenced log for the State #11-16-9-16 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 413' KB, and 5-1/2", 15.5# casing run from surface to 5835' 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 1899psig.

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 #11-16-9-16, for existing perforations (4170' - 5550') 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 1899 psig. We may add additional perforations between 3613' and 5835'. 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 #11-16-9-16, the proposed injection zone (3933' - 5748') 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.

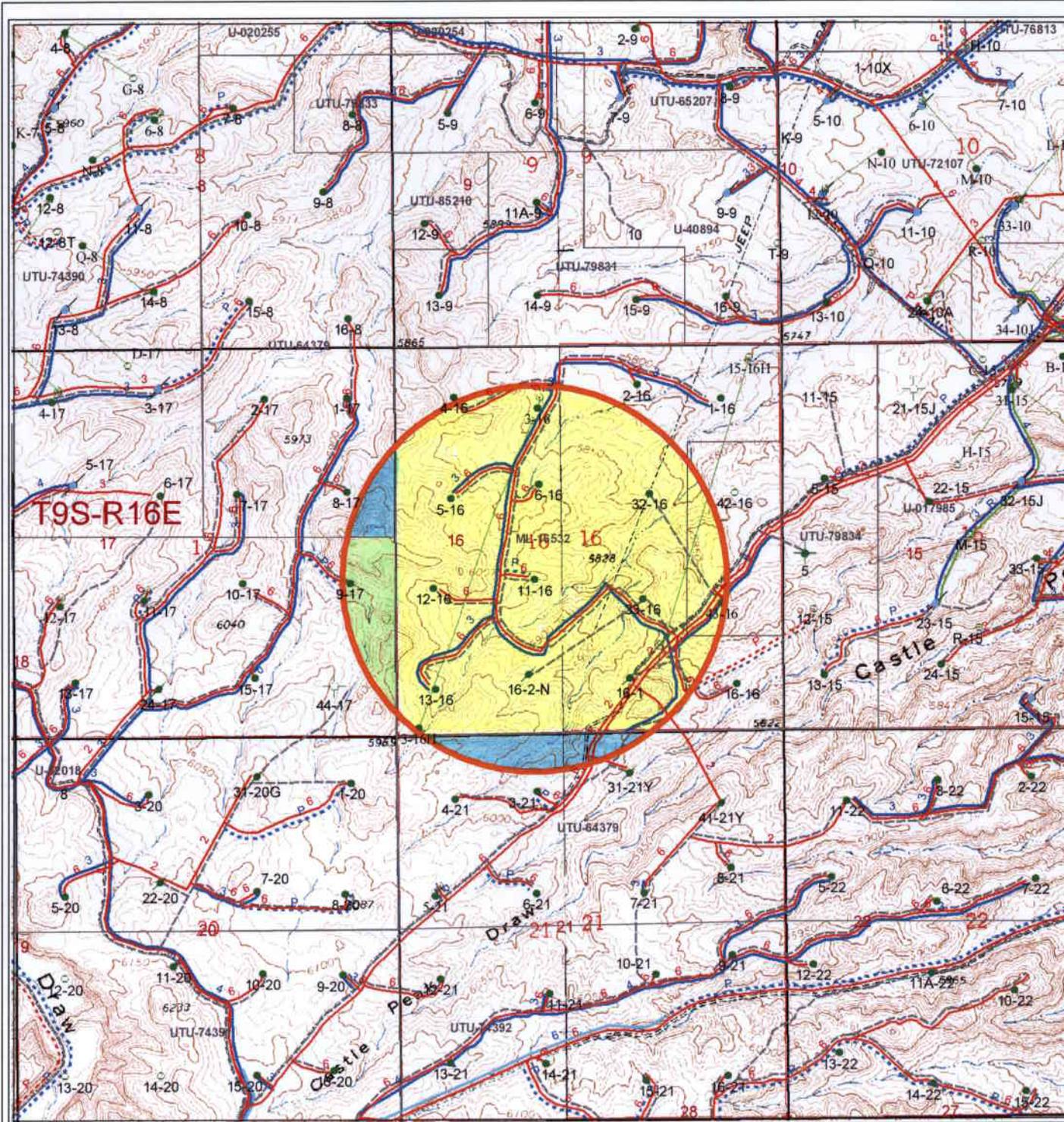
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure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



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

Gas Pipelines

- Gathering lines
- Proposed lines
- ⊕ 11_16_9_16_Buffer

ML-16532
 WTU 64379
 WTU 5207
 52018

State 11-16
 Section 16, T9S-R16E

NEWFIELD
 ROCKY MOUNTAINS

1" = 2000'

1/2 Mile Radius Map
 Duchesne & Uintah Counties

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

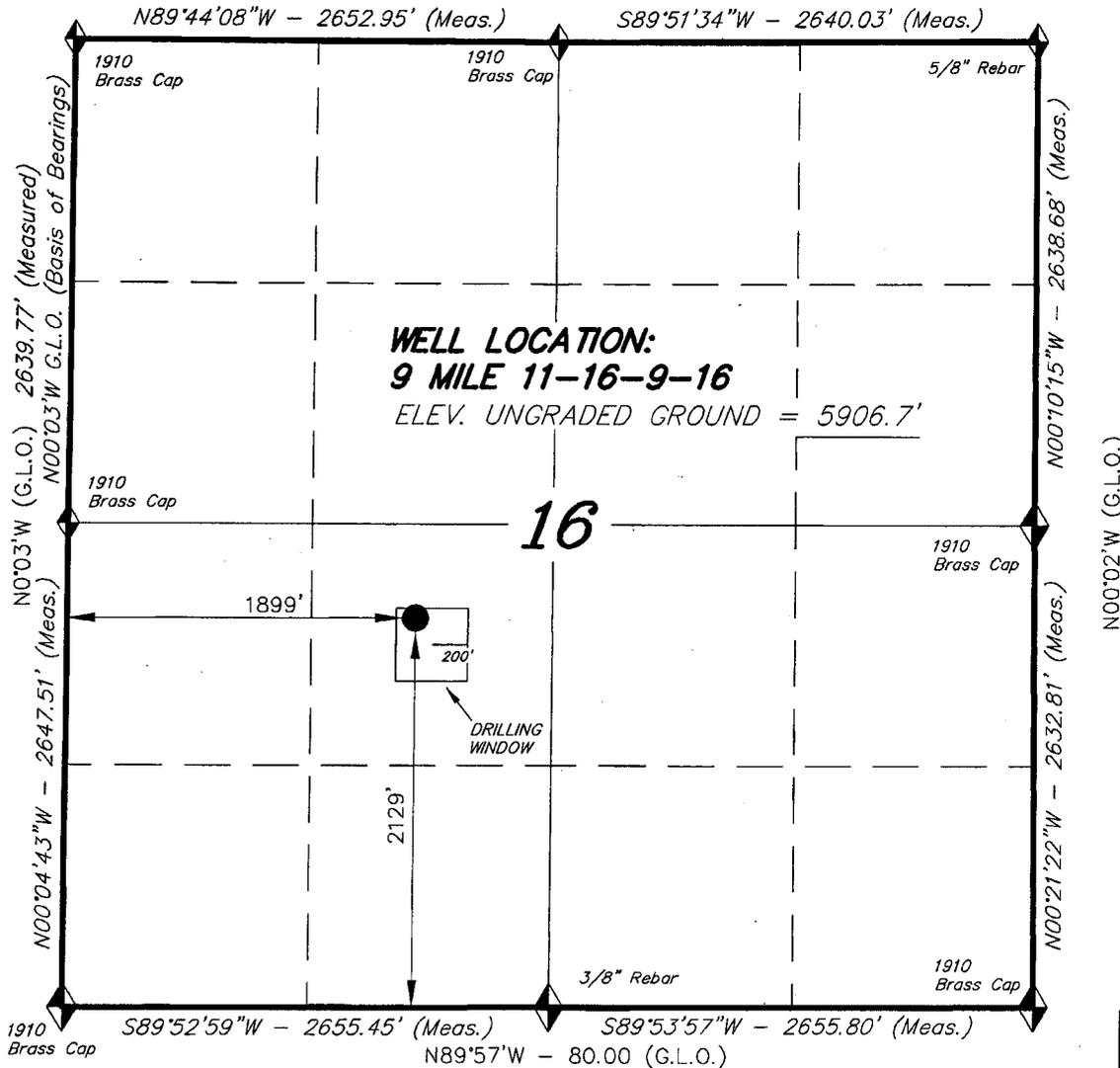
June 28, 2011

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

N89°50'W - 80.24 (G.L.O.)

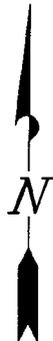
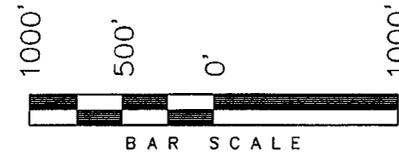
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 11-16-9-16,
LOCATED AS SHOWN IN THE NE 1/4 SW
1/4 OF SECTION 16, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

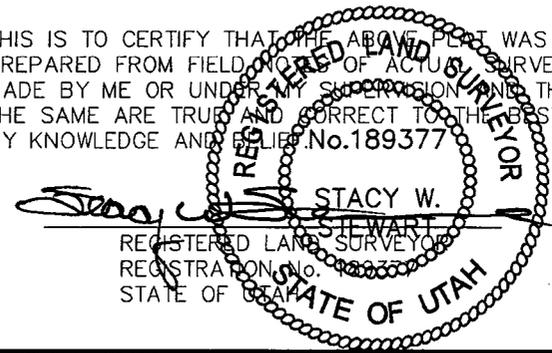


WELL LOCATION:
9 MILE 11-16-9-16
ELEV. UNGRADED GROUND = 5906.7'

16



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 11-16-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 46.05"
LONGITUDE = 110° 07' 37.14"

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

DATE SURVEYED: 10-09-07	SURVEYED BY: C.M.
DATE DRAWN: 11-02-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 16: ALL	State of Utah ML 16532 HBP	QEP Energy Company El Paso E&P Company, LP El Paso Production Oil & Gas Company American Petroleum Corporation Brave River Production Trans Republic Resources Inc Newfield RMI LLC	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 Corporation	USA
3	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 #11-16-9-16

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 Lead

Sworn to and subscribed before me this 12th day of August, 2011.

Notary Public in and for the State of Colorado:



My Commission Expires
02/10/2013

My Commission Expires: _____



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

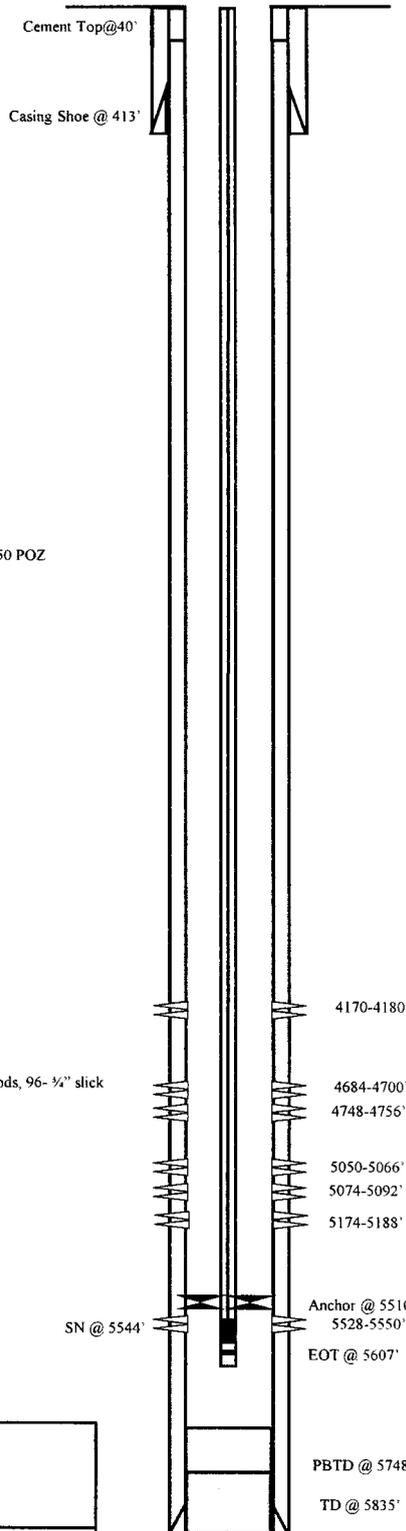
SIZE/GRADE/WT 2-7/8" / J-55
 NO OF JOINTS 179 jts (5498 10')
 TUBING ANCHOR 5510 10'
 NO OF JOINTS 1 jts (31 40')
 SEATING NIPPLE 2-7/8" (1 10')
 SN LANDED AT 5543 77' KB
 NO OF JOINTS 2 jts (61 22')
 TOTAL STRING LENGTH EOT @ 5606 54' w/12' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26'
 SUCKER RODS 1-2', 4' x 1/2" 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
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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 3-16-9-16

Spud Date: 02-28-08
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Wellbore Diagram

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 GRADE J-55
 WEIGHT 24#
 LENGTH 10 jts
 HOLE SIZE 12-1/4"
 CEMENT DATA To surface with 209 sx Class "G" cmt

PRODUCTION CASING

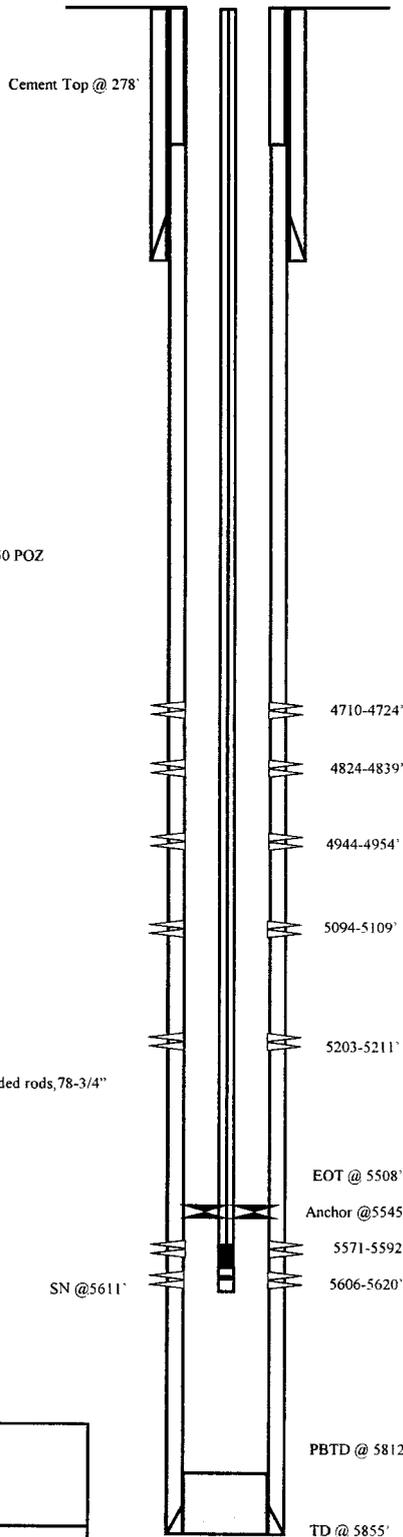
CSG SIZE 5-1/2"
 GRADE J-55
 WEIGHT 15.5#
 LENGTH 147 jts
 HOLE SIZE 7-7/8"
 TOTAL DEPTH 5826'
 CEMENT DATA 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT 278'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
 NO OF JOINTS 176 jts (5533 42')
 TUBING ANCHOR 5545 42'
 NO OF JOINTS 2 jts (62 86')
 SEATING NIPPLE 2-7/8" (1 10')
 SN LANDED AT 5611 08' KB
 NO OF JOINTS 2 jts (62 80')
 TOTAL STRING LENGTH EOT @ 5508 31' w/12' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26' polished rod
 SUCKER RODS 1-2', 3-4', 1-6' x 3/4" pony sub, 99- 3/4" guided rods, 78-3/4" plain rods, 40- 3/4" guided rods, 6- 1 1/2" weight rods
 PUMP SIZE 2-1/2" x 1-1/2" x 16" x 18" RHAC pump
 STROKE LENGTH 102"
 PUMP SPEED, SPM 5



FRAC JOB

- 04-22-08 5571-5592' **Frac CP1 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 LODC 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

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 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'

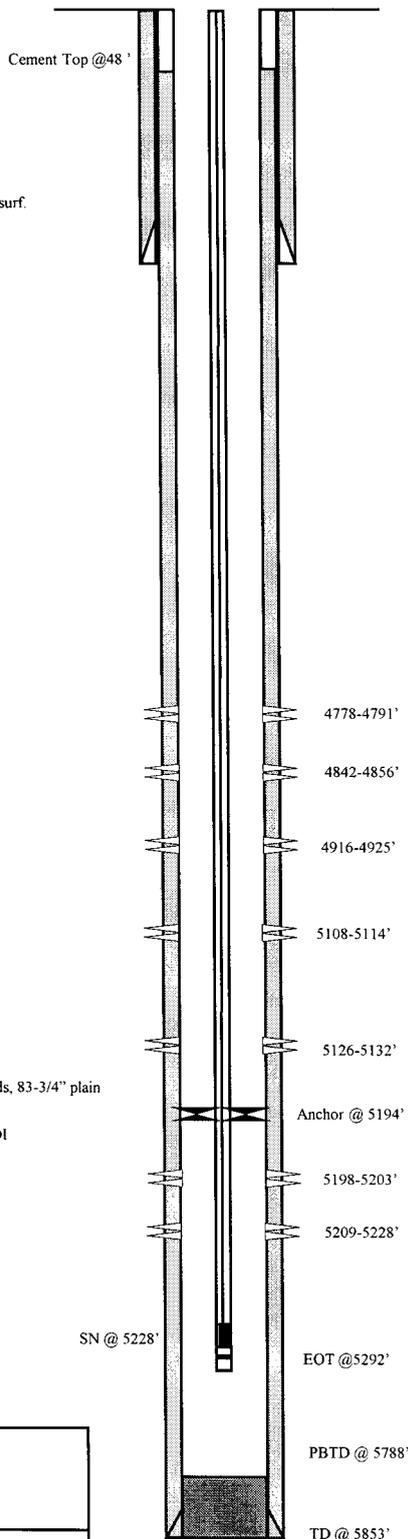
TUBING

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'

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

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

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

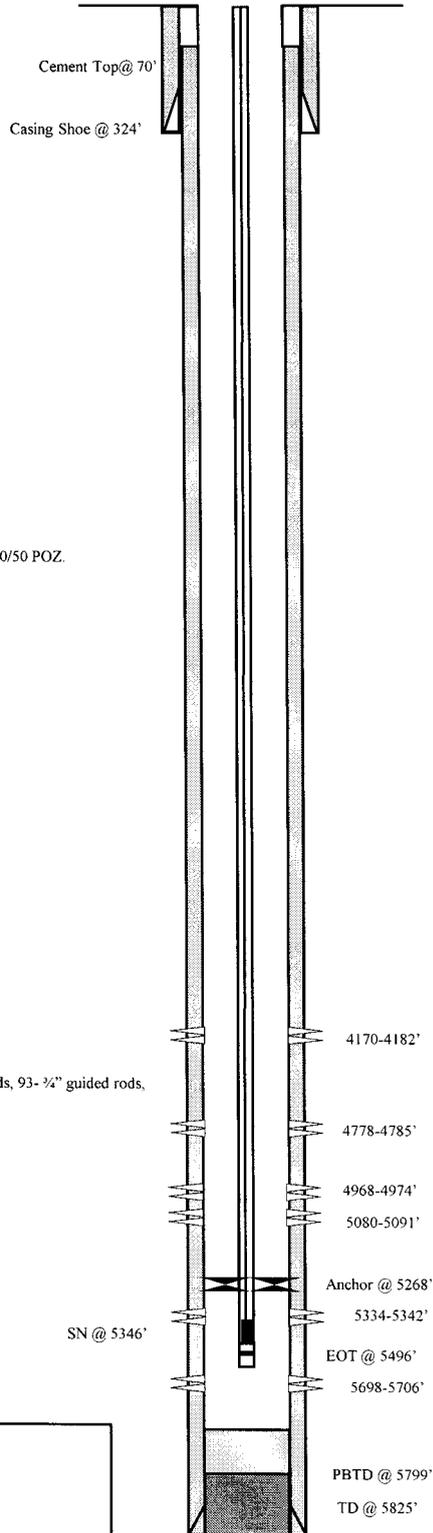
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139jts. (5807.48')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5825'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 70'

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



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

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

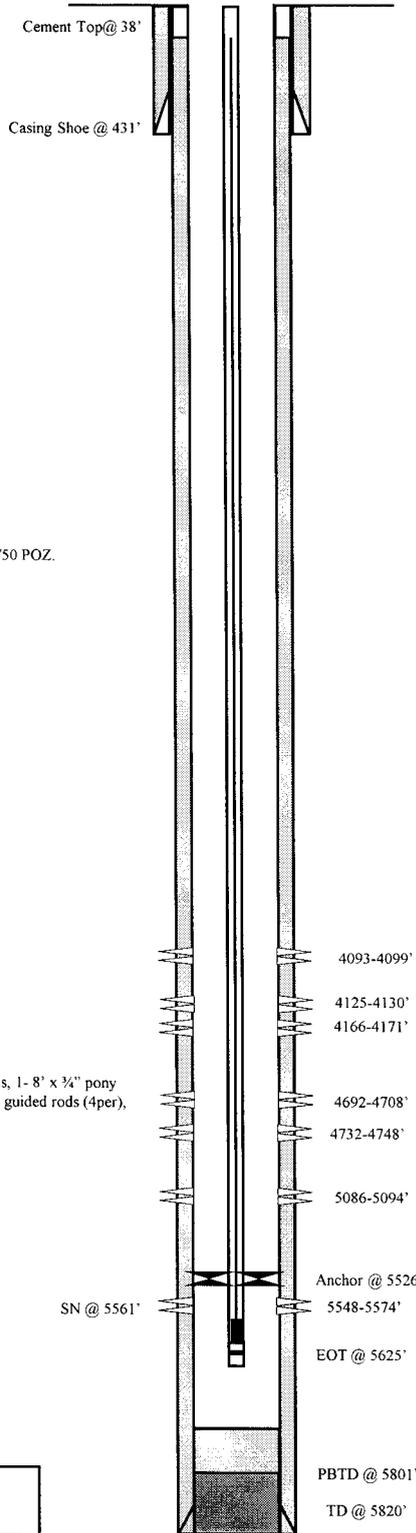
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts. (5809.35')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.6'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 38'

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, 3- 12' x 3/4" pony rods, 1- 8' x 3/4" pony rods, 98- 3/4" guided rods (4per), 77- 3/4" sucker rods, 40- 3/4" guided rods (4per), 6- 1 1/2" weight bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 14' x 16' RHAC pump
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4



FRAC JOB

4-29-08	5548-5574'	Frac C1 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.

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 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

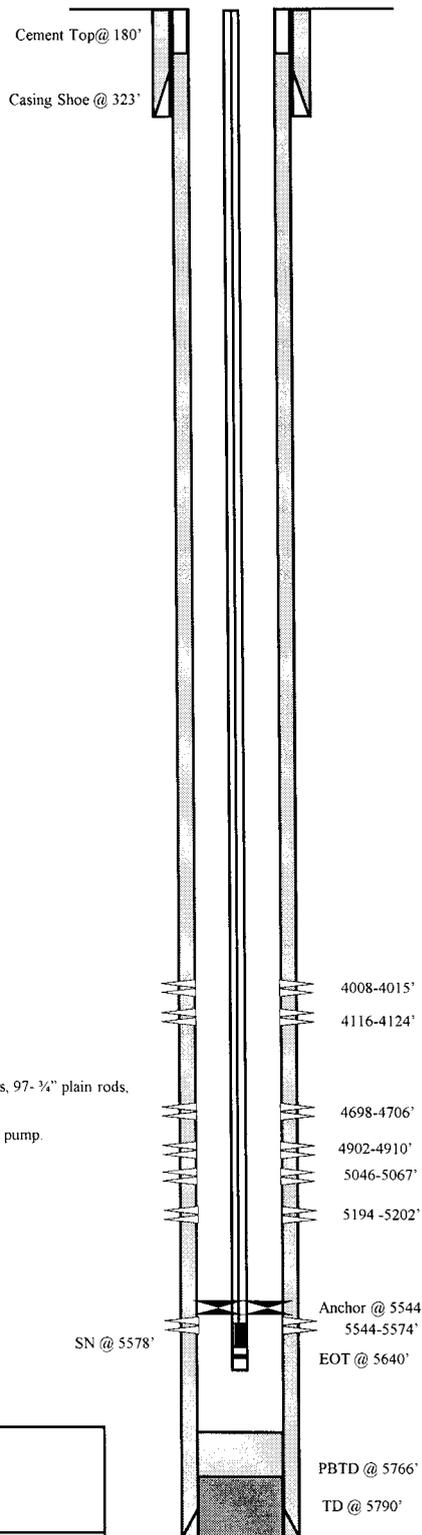
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141jts
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5787.23'
 CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz.
 CEMENT TOP AT: 180'

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 2128 psi w/ ave rate of 26.2 BPM. ISIP 2145 psi. Actual Flush: 4183 gals.

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

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

PERFORATION RECORD

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

NEWFIELD



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

State 13-16-9-16

Spud Date: 4/9/08

Put on Production: 6/18/08
GL: 5959' KB: 5971'

SURFACE CASING

CSG SIZE 8-5/8"
GRADE J-55
WEIGHT 24#
LENGTH 7jts (313 38')
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 132jts
HOLE SIZE 7-7/8"
DEPTH LANDED 5763.29'
CEMENT DATA 275 sx Premlite II and 400 sx 50/50 Poz
CEMENT TOP AT 46'

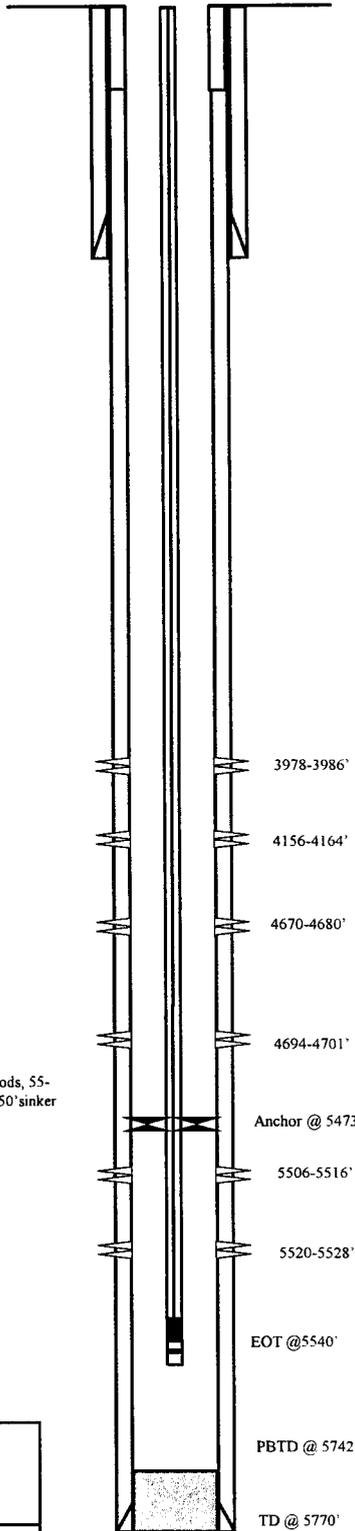
TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#
NO OF JOINTS 177 jts (5460 9')
TUBING ANCHOR 5472 9'
NO OF JOINTS 1jt (31 70')
SEATING NIPPLE 2-7/8" (1 10')
SN LANDED AT 5507 1' kb
NO OF JOINTS 1 jts (31 10')
TOTAL STRING LENGTH EOT @ 5540

SUCKER RODS

POLISHED ROD 1-1/2" x 26' polished rod
SUCKER RODS 1 x 3/4" = 2' pony rods, 113-3/4" = 2825' guided rods, 55-3/4" = 1375' sucker rods, 41 -3/4" = 1025' guided rods, 6-1 1/2" = 150' sinker bars
PUMP SIZE: CDI 2-1/2" x 1-1/4" x 12' x 16' RHAC pump
STROKE LENGTH 100"
PUMP SPEED, SPM: 4

Wellbore Diagram



FRAC JOB

06-06-08 5506-5616' **Frac CP1 sds as follows:**
40,770# 20/40 sand in 426 bbls of Lightning 17 fluid Treated w/ ave pressure of 1994 psi w/ ave rate of 23.8 BPM ISIP 2188 psi Actual Flush: 4914 gals.

06-06-08 4670-4680' **Frac D2 sds as follows:**
40,545# 20/40 sand in 410 bbls of Lightning 17 fluid Treated w/ ave pressure of 1811 psi w/ ave rate of 23.8 BPM ISIP 1920 psi Actual Flush: 4120 gals.

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

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

1/6/09	Tubing Leak Updated rod & tubing details
9/30/09	Tubing Leak Updated rod & tubing
07/24/10	Pump Change Updated rod & tubing
4/19/2011	Tubing Leak Updated rods & tubing

PERFORATION RECORD

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

NEWFIELD



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

State 16-1-O

Spud Date: 01/04/85
 Put on Production: 03/23/85
 GL: 5927' KB: 5941'

Initial Production: 93 BOPD,
 TSTM MCFD, 27 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 260'
 DEPTH LANDED: 274' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sxs cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5646'
 DEPTH LANDED: 5646'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 760 sxs cement.
 CEMENT TOP AT: <1000'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 170 jts (5343.4')
 TUBING ANCHOR: 5353.4'
 NO. OF JOINTS: 2 jts (61.2')
 SEATING NIPPLE: 1-2 7/8" (1.10')
 SN LANDED AT: 5417.4'
 NO. OF JOINTS: 1 (31.5')
 TOTAL STRING LENGTH: EOT @ 5450'

SUCKER RODS

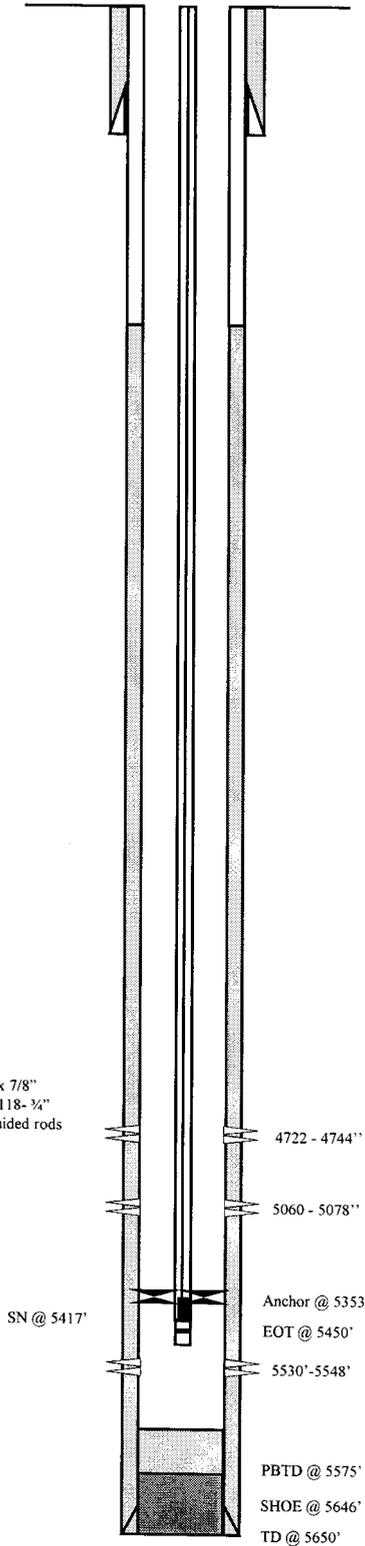
POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 1- 2' x 7/8" pony rod, 1- 6' x 7/8" pony rod, 1- 25' x 7/8" guided rod (8 per), 10- 7/8" sucker rods, 13- 3/4" guided rods (4 per), 118- 3/4" sucker rods, 15- 3/4" guided rods (4 per), 23- 3/4" sucker rods, 35- 3/4" guided rods (4 per)
 PUMP SIZE: 2-1/2" x 1-1/4" x 12' x 16' RHAC CDI
 STROKE LENGTH: 48"
 PUMP SPEED, SPM: 5

FRAC JOB

5530-48'	80,000# 20/40 sand + 761 bbls 40# gelled water.
5060-78'	40# gel, 50,000# 20/40 sand
4722-44'	50,000# 20/40 sand + 481 bbls
UCTION	40# gelled water.

7/9/10

Tubing leak. Updated rod and tubing detail.



PERFORATION RECORD

5530-5548' 4 JSPF 72 Holes
 5060-5078' 4 JSPF 72 Holes
 4722-4744' 4 JSPF 88 Holes

NEWFIELD

State 16-1-0
 755' FSL & 2110' FEL
 SW/SE Section 16-T9S-R16E
 Duchesne County, Utah
 API #43-013-31022; Lease #ML-16532

State 16-2N

Spud Date: 10-4-85
Put on Production: 11-15-85

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 254'
DEPTH LANDED: 276'
HOLE SIZE: 12-1/4"
CEMENT DATA: 185 sxs

PRODUCTION CASING

CASING SIZE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD
8-5/8	24#	254'	12-1/4"	185 sxs "G" 3% CaCl
5-1/2	15.5#	5631'	7-7/8"	20 bbl mud flush, 200 sxs
				"HI-FILL" 6 400 sxs "G" +
				2% CaCl

Tubing detail

159 jts 2 3/8 J-55 tbg (5475.9')
TA 2.80 (5,493')
1 jts (30.3')
SN 2 3/8 @ 1.10 (5524')
1 jts. (31.3')
1 NC 2 3/8 @ 0.4'
EOT @ 5556'

Rod detail

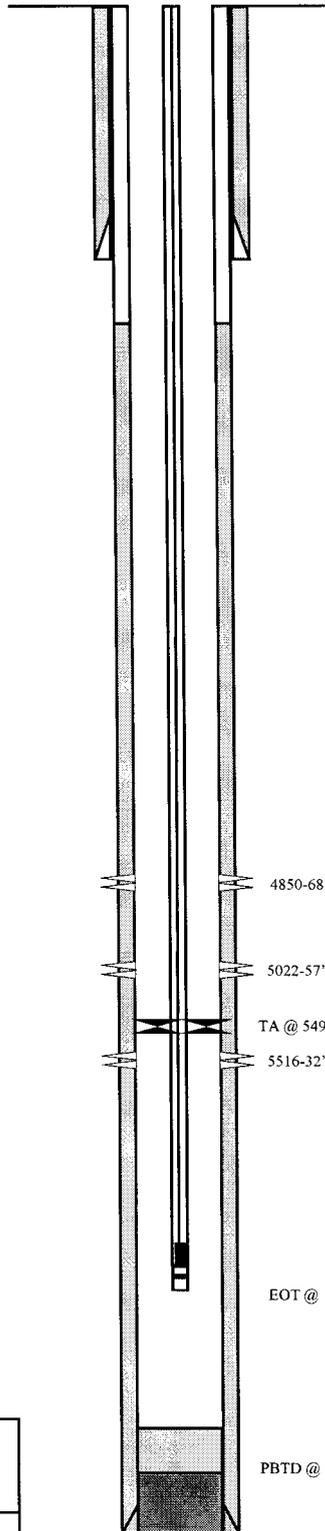
1 1/4 x 22' polished rod
1-4' 3/4 pony, 1-6' 3/4 pony, 1-8' 3/4 pony
103- 3/4 guided,
71-3/4 plain rods, 39-3/4 guided rods,
6- 1 1/2 wt bars
2 x 1 1/2 x 12' x 16' RWAC CDI pump
74" SL
4 SPM

FRAC JOB

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5516-32'	60,000# 16/30 sand, 40# gel
5022-57'	60,000# 20/40 sand, 40# gel
4850-68'	45,000# 20/40 sand

2/20/09

Tubing leak. Updated rod & tubing details.



PERFORATION RECORD

5516,18,20,22,24,26,28,30,32 - 9 Holes
5022,26,30,32,45,53,55,57 - 8 holes
4850,52,54,64,66,68 - 6 Holes

2 SPF - .38"

NEWFIELD

State 16-2N
1836' FWL & 801' FSL
SE/SW Section 16-T9S-R16E
Duchesne County, Utah
API #43-013-31094; Lease #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

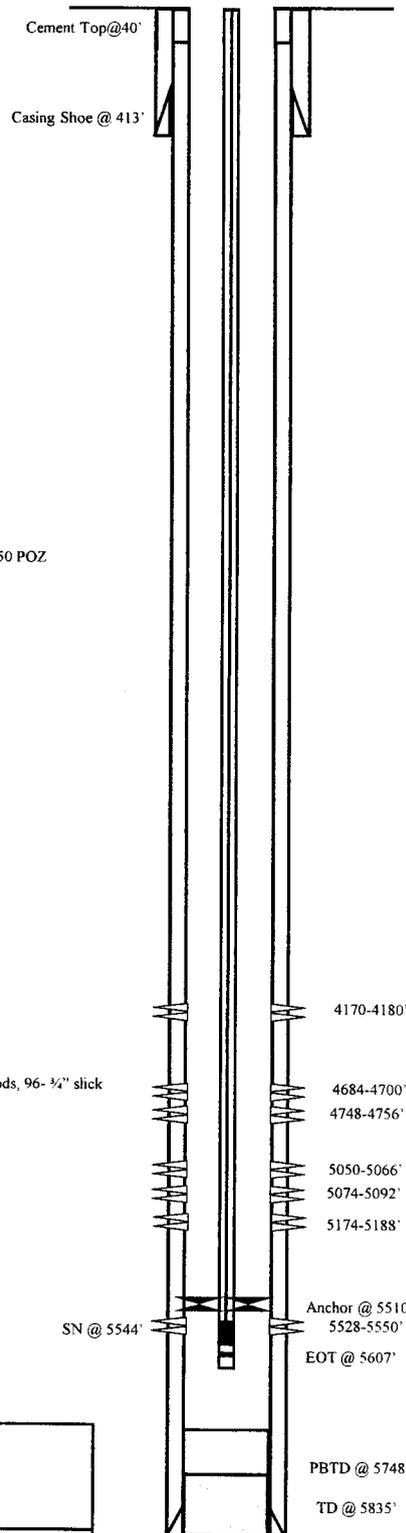
CSG SIZE 5-1/2"
 GRADE J-55
 WEIGHT 15 5#
 LENGTH 139 jts (5809 54')
 HOLE SIZE 7-7/8"
 DEPTH LANDED 5822 14'
 CEMENT DATA 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT 40'

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

Federal 9-17-9-16

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

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

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

PRODUCTION CASING

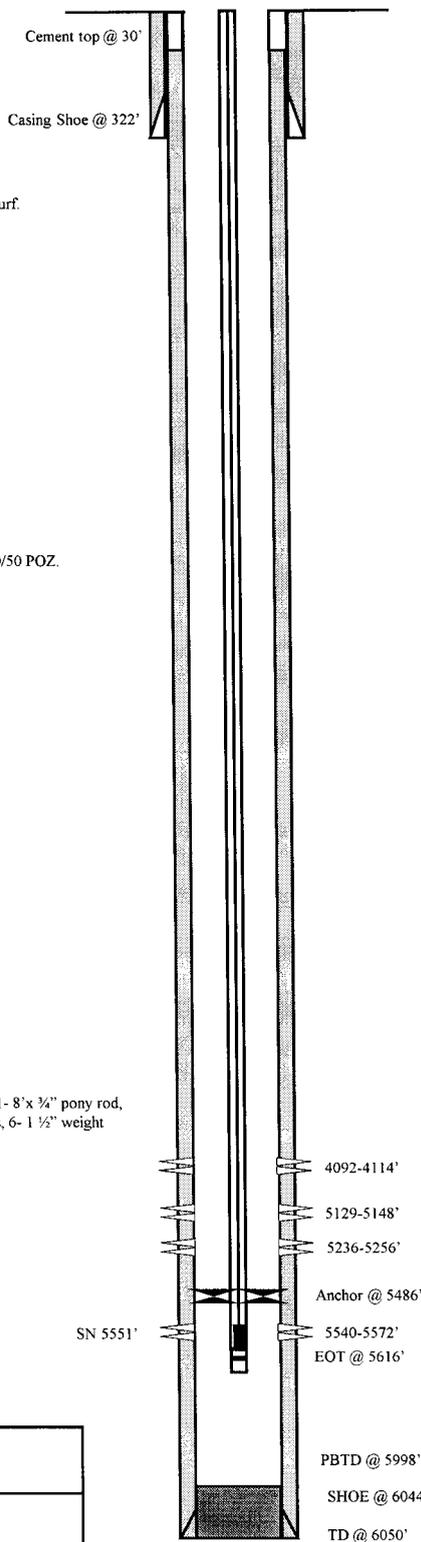
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts (6032.96')
 DEPTH LANDED: 6044.21' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 30'

TUBING

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

SUCKER RODS

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



FRAC JOB

10-27-06	5540-5572'	Frac CP1 sands as follows: 89695# 20/40 sand in 672 bbls Lightning 17 frac fluid. Treated @ avg press of 1635 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc flush: 5040 gal. Actual flush: 5538 gal.
10-27-06	5236-5256'	Frac LODC sands as follows: 80345# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 2685 psi w/avg rate of 27.3 BPM. ISIP 2560 psi. Calc flush: 4746 gal. Actual flush: 5234 gal.
10-27-06	5129-5148'	Frac A 3 sands as follows: 80324# 20/40 sand in 597 bbls Lightning 17 frac fluid. Treated @ avg press of 2175 psi w/avg rate of 24.7 BPM. ISIP 2240 psi. Calc flush: 4923 gal. Actual flush: 4410 gal.
10-27-06	4092-4114'	Frac GB4 sands as follows: 38251# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 1410 w/ avg rate of 14.3 BPM. ISIP 1490 psi. Calc flush: 4485 gal. Actual flush: 4410 gal.
2/23/07		Pump Change. Rod & Tubing detail updated
05/27/08		updated rod and tubing detail
11/23/09		Pump change. Updated rod and tubing detail.

PERFORATION RECORD

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



Federal 9-17-9-16
 2108' FSL & 636' FEL
 NE/SE Section 17-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33032; Lease # UTU-52018

CP State 33-16

Spud Date:
Put on Production: 5/27/1982
GL: 5856' KB: 5892'

Initial Production:

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: K-55
WEIGHT: 24
LENGTH: 250'
DEPTH LANDED: 242.48'
HOLE SIZE: 12-1/4"
CEMENT DATA: 200sx Class "G"

PRODUCTION CASING

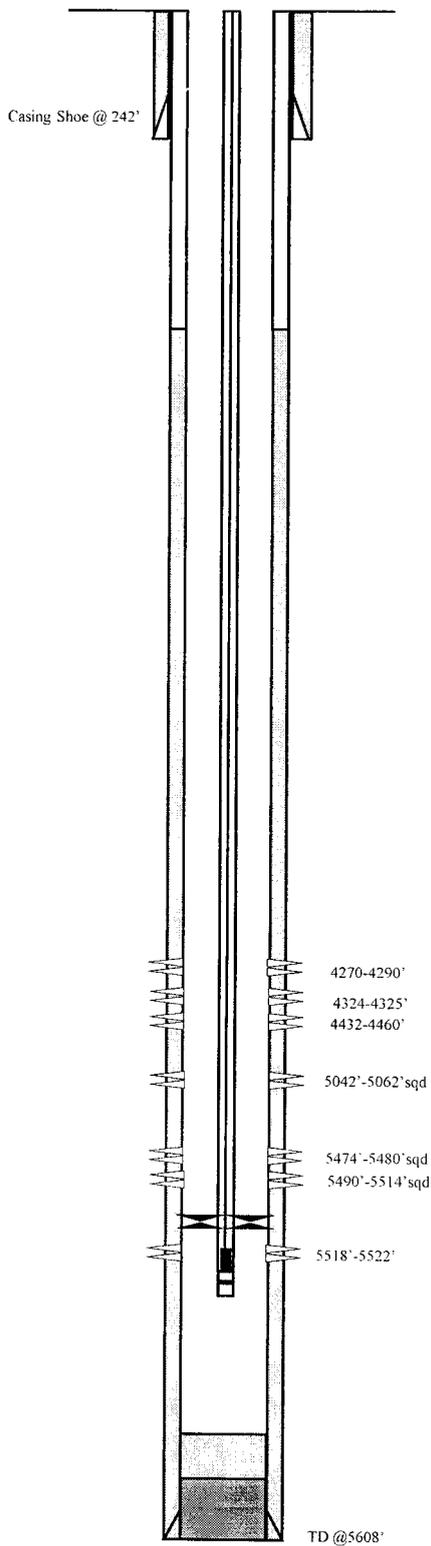
CSG SIZE: 5-1/2"
GRADE:
WEIGHT: 15.5#
LENGTH:
DEPTH LANDED: 5608'
HOLE SIZE: 7-7/8"
CEMENT DATA: 250sx 50/50 Poz
CEMENT TOP AT: 3780'

Tubing Record

Size: 2-7/8"

FRAC JOB

5474-5522' 54,300 gal. Versagel 1400 with 62,500# 20-40 sand & 10,000# 10-20 sand
5042-5062' 32,000 gal. Ver 1400 with 38,000# 20-40 sand & 10,000# 10-20 sand
4432-4460' Frac with 38,000 gal. Ver 1400 with 50,000# 20-40 sand & 10,000# 10-20 sand. Squeeze with 150 sx Class 'H' = additives
4324-4325' Squeeze with 30 bbl 2% KCL water, 10 bbl mud flush. Mix & pump 100 sx 50-50 Poz + additives. Displace with 261/2 bbl 2% KCL water
4270-4290' Frac with 32,000 gal. Ver 1400 with 38,000# 20-40 sand & 19,000# 10-20 sand. Squeeze with 150 sx Class 'H' cement + additives



PERFORATION RECORD

5474-5480'	2 SPF
5490-5514'	2 SPF
5518-5522'	2 SPF
5042-5062'	2 SPF
4432-4460'	2 SPF
4324-4325'	2 SPF
4270-4290'	2 SPF

4 holes

NEWFIELD

CP State 33-16
1838 FSL - 1925 FEL
NW/SE Section 16-T9S-R16E
Duchesne County, Utah
API #43-013-30640; Lease #ML-16532

Spud Date: 3-25-82
Put on Production: 8-26-82

CP State 32-16

Wellbore Diagram

SURFACE CASING

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET, MDI	HOLE SIZE	CEMENTING RECORD
8-5/8"	24#	255'	12-1/4"	200 sx Class 'G'
5-1/2"	15.5#	5650'	7-7/8"	260 sx 50-50 Poz

FRAC JOB

5504-5512' and 5526-5554' - Acidized with 2000 gal. 15% HCl with 1000 gal. terasperse, 20 gal. FE-1A & 4 gal. HCL-75 inhibitor. Fraced with 42,000 gal. HER-1400 gelled water with 62,500# 20/40 sand & 10,000# 10/20 sand.

5000-5010' and 4732-4738' - Fraced with 25,000 gal. HER-1400 gelled water with 28,000# of 20/40 sand & 10,000# of 10/20 sand.

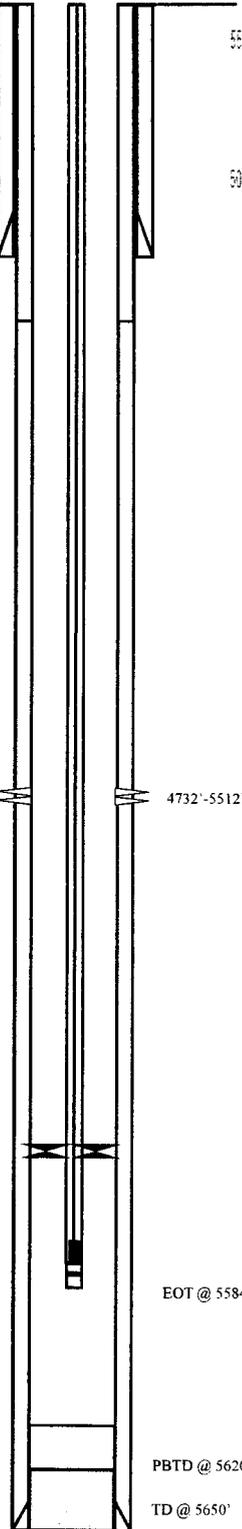
Casing Shoe @ 255'

TUBING

Size: 2 7/8"
Total String Length: EOT 5584'

PERFORATION RECORD

5504-5512' - 2 SPF, 23 gram, 4" gun
5526-5554' - 2 SPF, 23 gram, 4" gun
5000-5010' - 2 SPF, 23 gram, 4" gun
4732-4738' - 2 SPF, 23 gram, 4" gun



EOT @ 5584'

PBTd @ 5620'

TD @ 5650'

NEWFIELD

CP State 32-16

2009' FNL & 1838' FEL
SW/NE Section 16-T9S-R16E
Duchesne County, Utah

API #43-013-30650; Lease #ML-16532

Castle Peak State 43-16-9-16

Spud Date: 10/20/81
 Put on Production: 5/06/82
 GL: 5882' KB: 5892'

Initial Production: 90 BOPD,
 TSTM MCFD, 10 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: J-55
 WEIGHT: 36#
 LENGTH: 235'
 DEPTH LANDED: 245' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 200 sxs cement.

PRODUCTION CASING

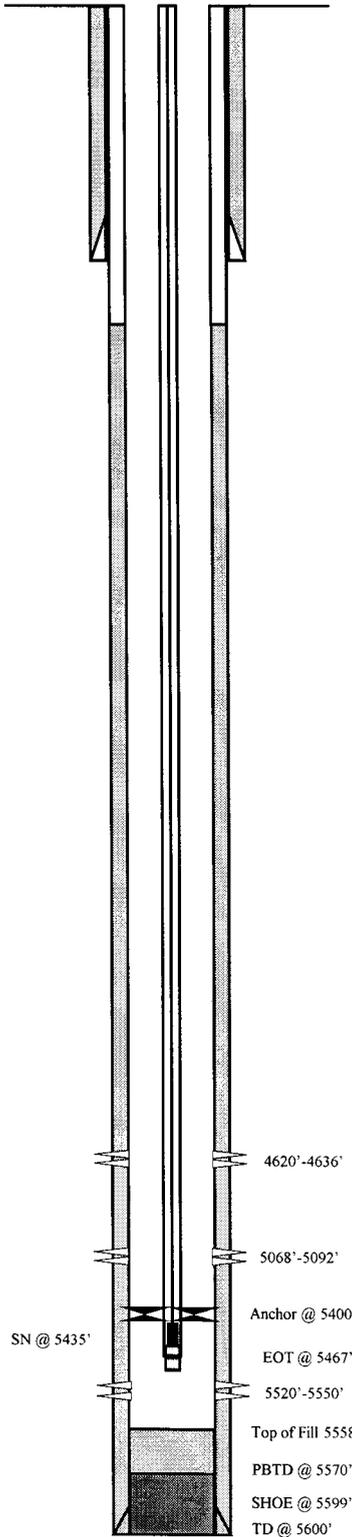
CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 5590'
 DEPTH LANDED: 5598.78' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 450 sxs cement.
 CEMENT TOP AT:

TUBING

SIZE/GRADE/WT.: 2-3/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4405.9')
 SEATING NIPPLE: 1-2 3/8" (1.10')
 SN LANDED AT: 5435.31'
 EOT @ 5466.817'

FRAC JOB

5520'-5550'	Frac w/ 60,000# sand.
5068'-5092'	Frac w/ 48,000# sand.
4620'-4636'	Frac w/ 48,000# sand.
6/26/92	Hole in tubing. Update rod and tubing details.
5/27/04	Tubing leak. Update rod and tubing details.
9/22/04	Tubing leak. Update rod and tubing details.
7-26-05	Pump Change: Update tubing and rod details
8/24/07	Parted rods. Updated rod & tubing details.
03/11/08	Tbg Leak Updated rod and tubing detail
10-29-08	Pump Change. Updated rod & tubing details.
6/8/09	Tubing Leak. Updated r & t details.
05/25/11	Temporary Abandonment
06/13/11	MIT for TA



TOC @ 4530'

PERFORATION RECORD

Interval	SPF	Holes
4620'-4636'	2 SPF	34 holes
5068'-5092'	2 SPF	50 holes
5520'-5550'	2 SPF	60 holes



Castle Peak State 43-16
 1820' FSL & 820' FEL
 NE/SE Section 16-T9S-R16E
 Duchesne County, Utah
 API #43-013-30594; Lease #ML-16532

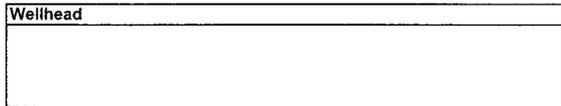
ATTACHMENT E-14

GMB 3-16-9-16H

Wellbore Diagram



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



Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bbl/ft	Hole	TOC
8-5/8" Casing Shoe	8-5/8"	24#	J-55	LTC	0	1,025							Surface
1,025	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
	4-1/2"	11.6#	P-110	LTC	5,993 TVD	10,249 6,011	7,774	8,510	4,000	3,875	0.0155	6-1/8"	

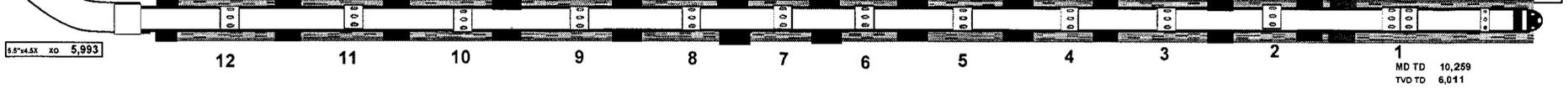
Tubing Detail	Size	Wt.	Grade	Conn.	Length	Top	Bottom	Joints
TBG DETAIL: sand drain valve, 3 jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub., 1 jt 2 7/8" tbg., SN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 187 jts 2 7/8" tbg and tbg hanger. TA @ 5,870'. SN @ 5,903'. EOT @ 6,052' NOTE on Tubing Anchor: TA (shortened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

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

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

WFD port Collar
 5,355
 KOP
 5,400
 OH Anchor/Packer 5,451
 OH Anchor/Packer 6,372

Proposed Frac Data	Packers Plus 12 Stage StackFrac HD Stimulation Liner		Prop type/ size	Prop Vol (lbs)	Total Clean Vol (bbls)
	Top	Bottom			
Toe Section	10,249	10,249			
Stage 1	10,087	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		
OH Anchor/Packer	10,080	10,087	Dual Hydraulic Frac Port: 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 (AP)	100 mesh sand 0 30/50 mesh sand 0	1,803
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 30/50 mesh sand 30,760	2,342
Stage 2	9,882	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 (AP)		
Mechanical Packer 2	9,677	9,682	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)	100 mesh sand 36,389 30/50 mesh sand 18,635	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 (AP)		
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 30/50 mesh sand 0	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 (AP)		
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 30/50 mesh sand 36,211	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 (AP)		
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 30/50 mesh sand 30,591	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 (AP)		
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 32,229 30/50 mesh sand 21,643	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) 174.36 Actual Vol. (bbl) 0.00 Difference (bbl) NA Ball Action (AP)		
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 30/50 mesh sand 30,420	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 (AP)		
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 30,306 30/50 mesh sand 14,314	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) 164.35 Actual Vol. (bbl) 0.00 Difference (bbl) NA Ball Action (AP)		
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 30/50 mesh sand 3,467	1,889
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 (AP)		
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 30/50 mesh sand 36,949	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) 169.37 Actual Vol. (bbl) 0.00 Difference (bbl) NA Ball Action (AP)		
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 30/50 mesh sand 21,198	2,755
Stage 12	6,445	6,763	FracPort 11: Depth 6,601 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 (AP)		
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 34,456
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)		(bbl)
Lat Length			3,804		
Total Stim. Lateral			3,804		
Avg. Stage Length			317' between packers		
				Sand Total	
				100 mesh sand	335,921
				30/50 mesh sand	244,388
				# sand per foot of lateral	153



MD TD 10,259
 TVD TD 6,011



Multi-Chem Group, LLC

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

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-53132**

Well Name: **south wells draw IF**

Sample Point: **tank**

Sample Date: **1 / 7 / 2011**

Sales Rep: **Monty Frost**

Lab Tech: **Peter Poulsen**

Sample Specifics	
Test Date:	1/24/2011
Temperature (°F):	100
Sample Pressure (psig):	
Specific Gravity (g/cm³):	1.0006
pH:	7.25
Turbidity (NTU):	-
Calculated T.D.S. (mg/L)	5345
Molar Conductivity (µS/cm):	8099
Resitivity (Mohm):	1.2347

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	31.62	Chloride (Cl):	2500.00
Magnesium (Mg):	15.12	Sulfate (SO₄):	88.00
Barium (Ba):	8.18	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	805.00
Sodium (Na):	1897.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	-
Iron (Fe):	0.12	Phosphate (PO₄):	-
Manganese (Mn):	0.02	Silica (SiO₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO₃):	-
Ammonia NH₃:	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100		0.76	-0.74	0.00	-1872.00	0.00	-1990.00	-	-	28.50	13.37	1.25
80	0	0.55	-1.54	0.00	-5.19	0.00	-2126.70	-	-	43.03	13.55	0.57
100	0	0.76	-0.74	0.00	-3.25	0.00	-1990.00	-	-	28.50	13.37	0.70
120	0	0.98	-0.06	0.00	-1.85	0.00	-1792.60	-	-	19.32	13.12	0.79
140	0	1.22	0.57	0.00	-0.80	0.00	-1562.50	-	-	13.37	12.78	0.89
160	0	1.47	1.15	0.00	0.01	0.00	-1323.40	-	-	9.43	12.32	1.01
180	0	1.72	1.70	0.00	0.63	0.01	-1092.60	-	-	6.77	11.71	1.11
200	0	1.96	2.21	0.01	1.12	0.01	-881.65	-	-	4.94	10.90	1.13
220	2.51	2.16	2.69	0.01	1.48	0.01	-703.26	-	-	3.59	9.80	1.14
240	10.3	2.34	3.11	0.01	1.72	0.02	-544.83	-	-	2.67	8.45	1.17
260	20.76	2.48	3.47	0.01	1.84	0.02	-413.16	-	-	2.01	6.73	1.19
280	34.54	2.59	3.76	0.01	1.86	0.04	-306.03	-	-	1.53	4.58	1.22
300	52.34	2.65	3.95	0.01	1.79	0.06	-220.34	-	-	1.17	1.91	1.25

Conclusions:

Calcium Carbonate scale is indicated. See graph for appropriate temperature ranges.

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate scale is indicated at all temps from 80°F to 300°F

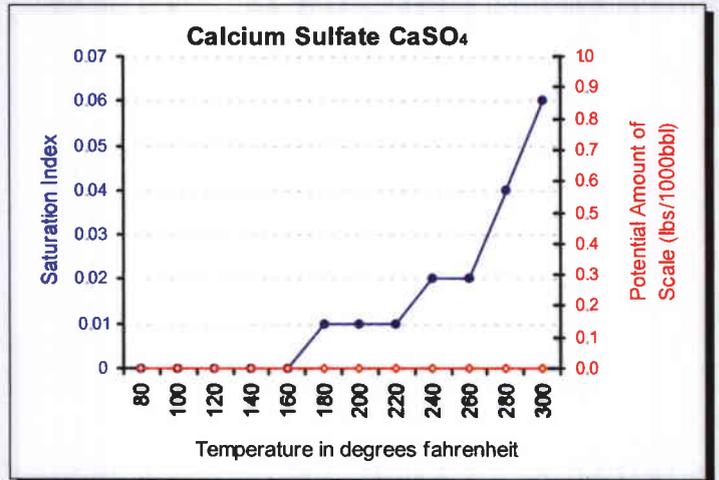
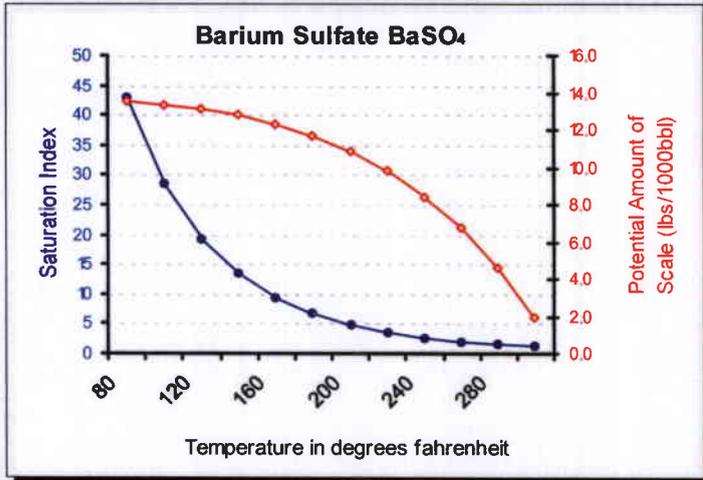
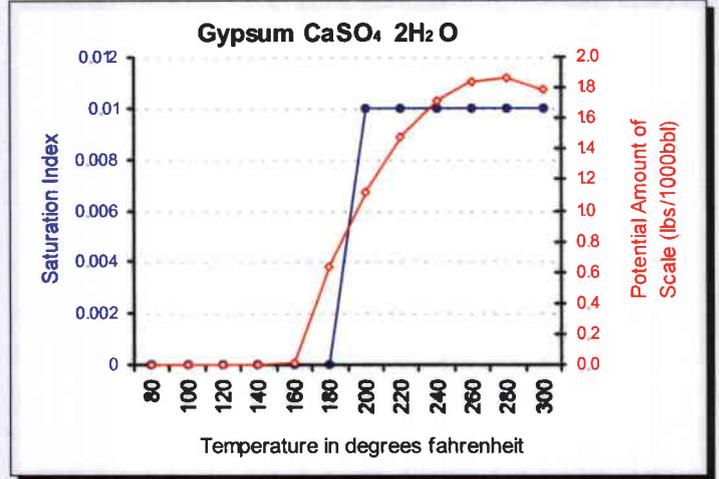
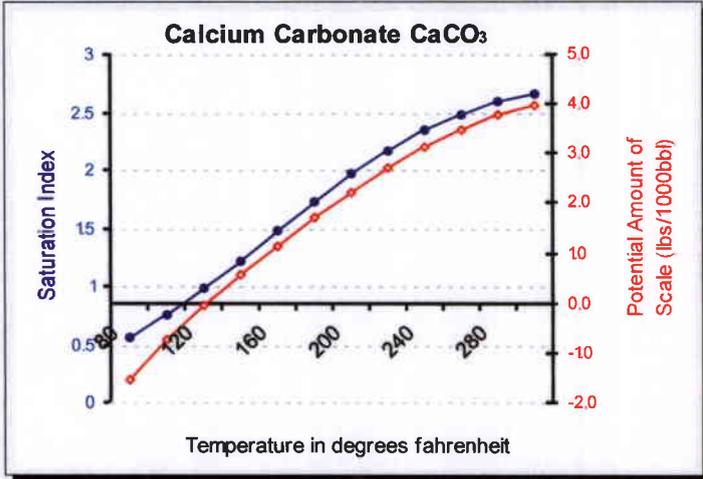
Notes:

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

Scale Prediction Graphs

Well Name: south wells draw IF

Sample ID: WA-53132





Multi-Chem Group, LLC

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

multi-chem®

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-58637**

Well Name: **11-16-9-16**

Sample Point: **Treater**

Sample Date: **5 /16/2011**

Sales Rep: **Darren Betts**

Lab Tech: **John Keel**

Sample Specifics	
Test Date:	6/3/2011
Temperature (°F):	70
Sample Pressure (psig):	
Specific Gravity (g/cm³):	1.0120
pH:	8.1
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	16324
Molar Conductivity (µS/cm):	24734
Resitivity (Mohm):	0.4043

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	22.50	Chloride (Cl):	9000.00
Magnesium (Mg):	10.80	Sulfate (SO₄):	16.00
Barium (Ba):	9.30	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	1122.00
Sodium (Na):	6143.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	0.50
Iron (Fe):	0.18	Phosphate (PO₄):	-
Manganese (Mn):	0.03	Silica (SiO₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO₃):	-
Ammonia NH₃:	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
70		2.12	9.35	0.00	-2785.30	0.00	-3203.60	-	-	7.72	12.58	0.33
80	0	2.54	12.02	0.00	-2813.50	0.00	-3158.80	-	-	6.12	11.85	0.11
100	0	3.44	16.65	0.00	-2839.10	0.00	-2977.90	-	-	4.11	10.28	0.14
120	0	4.32	20.21	0.00	-2640.80	0.00	-2707.90	-	-	2.93	8.54	0.17
140	0	5.16	22.88	0.00	-2440.60	0.00	-2387.40	-	-	2.12	6.50	0.19
160	0	5.85	24.47	0.00	-2275.60	0.00	-2049.70	-	-	1.55	4.13	0.23
180	0	6.27	24.90	0.00	-2139.30	0.00	-1719.80	-	-	1.15	1.43	0.26
200	0	6.37	24.26	0.00	-2027.10	0.00	-1414.90	-	-	0.86	-1.63	0.27
220	2.51	6.12	22.79	0.00	-1959.30	0.00	-1158.60	-	-	0.64	-5.38	0.28
240	10.3	5.70	20.52	0.00	-1887.40	0.00	-924.49	-	-	0.48	-9.35	0.29
260	20.76	5.14	17.81	0.00	-1831.00	0.00	-727.69	-	-	0.37	-13.81	0.30
280	34.54	4.53	15.00	0.00	-1788.60	0.00	-565.65	-	-	0.28	-18.84	0.31
300	52.34	3.91	12.31	0.00	-1759.40	0.01	-434.45	-	-	0.22	-24.49	0.33

Conclusions:

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

Notes:

P=1.1



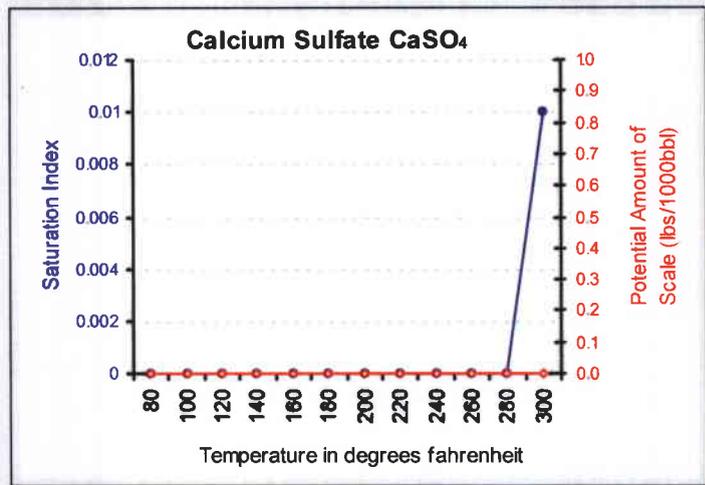
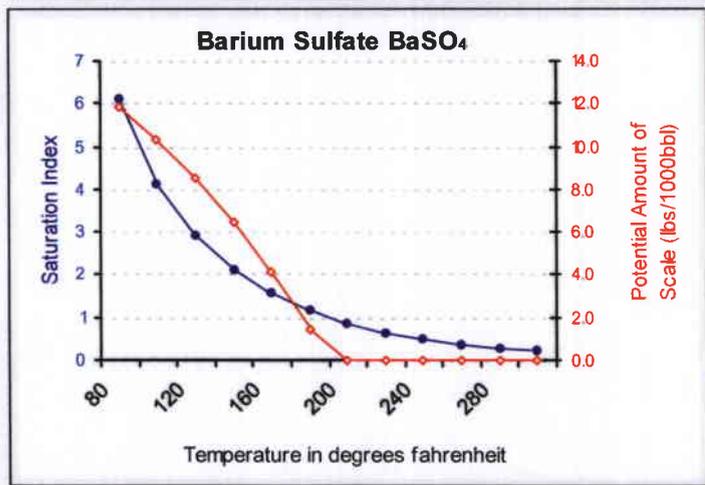
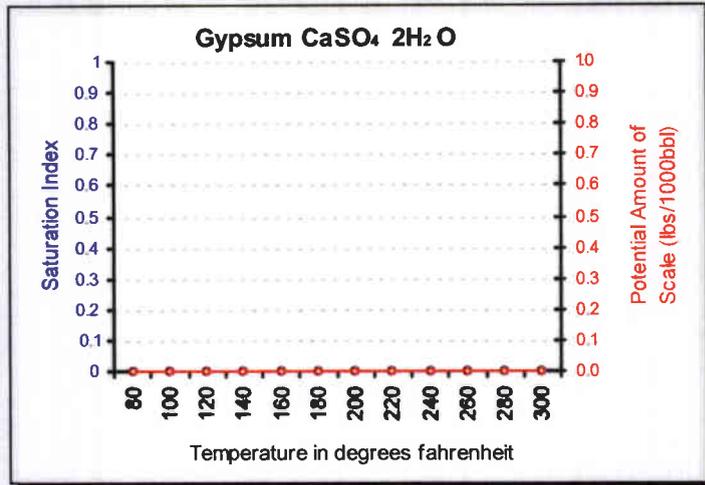
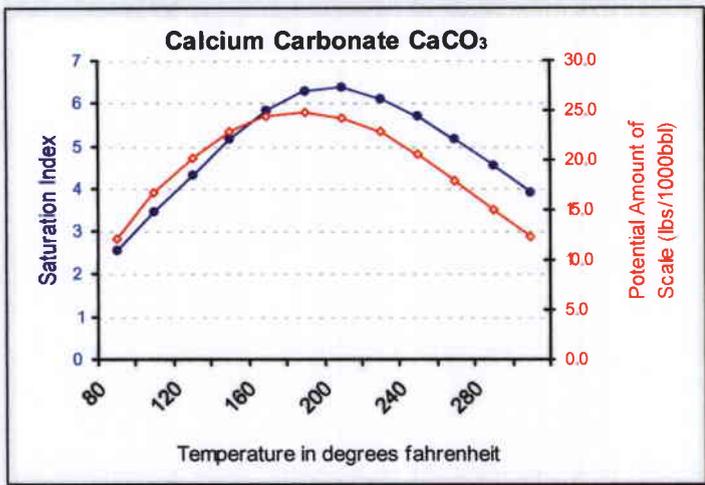
Multi-Chem Group, LLC
 Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

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Scale Prediction Graphs

Well Name: 11-16-9-16

Sample ID: WA-58637



Attachment "G"

**State #11-16-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5528	5550	5539	1935	0.78	1899 ←
5174	5188	5181	4026	1.21	3992
5050	5092	5071	2112	0.85	2079
4684	4756	4720	2101	0.88	2071
4170	4180	4175	1993	0.91	1966
				Minimum	<u><u>1899</u></u>

Calculation of Maximum Surface Injection Pressure

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

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

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



DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 Report Date: 13-Aug-08 Day: 1
Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 413' Prod Csg: 5 1/2" @ 5822' Csg PBTD: 5716' WL
Tbg: Size: _____ Wt: _____ Grd: _____ Pkr/EOT @: _____ BP/Sand PBTD: _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone CP1 sds	Perfs 5528-5550'	SPF/#shots 4/88
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 12-Aug-08 SITP: _____ SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5716' cement top @ 40' Perforate stage #1. CP1 sds @ 5528- 50' w/ 3 1/8" slick guns (19 gram, .49" HE, 120 , 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 88 shots. 138 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 Starting oil rec to date: _____
Fluid lost/recovered today: 0 Oil lost/recovered today: _____
Ending fluid to be recovered: 138 Cum oil recovered: _____
IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

COSTS

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

Weatherford BOP	\$540
Sharp NU crew	\$300
Sharp trucking	\$800
Perforators LLC	\$8,320
Drilling cost	\$330,224
Heat Wave hot oil	\$625
Location preparation	\$300
NPC wellhead	\$1,500
Benco - anchors	\$1,200
Admin. Overhead	\$3,000
NPC Supervisor	\$300

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____
Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____
ISIP: _____ 5 min: _____ 10 min: _____ 15 min: _____

Completion Supervisor: Orson Barney

DAILY COST: \$347,109
TOTAL WELL COST: \$347,109



G-1
2 of 14

DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 **Report Date:** 8/19/2008 **Day:** 2a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 413' **Prod Csg:** 5 1/2" @ 5822' **Csg PBTD:** 5716' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone CP1 sds	Perfs 5528-5550'	SPF/#shots 4/88

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/18/2008 **SITP:** _____ **SICP:** 0

Day 2a, Stage #1 CP1 sds.

RU BJ Services. 0 psi on well. Frac CP1 sds w/ 85,230#'s of 20/40 sand in 662 bbls of Lightning 17 fluid. Broke @ 3117 psi. Treated w/ ave pressure of 1430 psi w/ ave rate of 23.3 BPM. ISIP 1935 psi. Leave pressure on well. 80C BWTR. See day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 **Starting oil rec to date:** _____
Fluid lost/recovered today: 662 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 800 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

COSTS

Base Fluid used: <u>Lightning 17</u>	Job Type: <u>Sand frac</u>	<u>BJ Services</u>	<u>\$31,399</u>
Company: <u>BJ Services</u>		<u>CD Trucking</u>	<u>\$1,856</u>
Procedure or Equipment detail: <u>CP1 sds down casing</u>		<u>NPC fuel gas</u>	<u>\$348</u>
<u>1474 gals of Techna Hib & to cross link</u>		<u>NPC Supervisor</u>	<u>\$100</u>
<u>6400 gals of pad</u>			
<u>4319 gals w/ 1-5 ppg of 20/40 sand</u>			
<u>8622 gals w/ 5-8 ppg of 20/40 sand</u>			
<u>1458 gals w/ 8 ppg of 20/40 sand</u>			
<u>504 gals of 15% HCL acid</u>			
<u>Flush w/ 5023 gals of slick water</u>			
Flush called @ blender to include 2 bbls for pump/line volume			
Max TP: <u>1636</u>	Max Rate: <u>23.3 bpm</u>	Total fluid pmpd: <u>662 bbls</u>	
Avg TP: <u>1430</u>	Avg Rate: <u>23.3 bpm</u>	Total Prop pmpd: <u>85,230#s</u>	
ISIP: <u>1935</u>	5 min: _____	10 min: _____	FG <u>.78</u>
Completion Supervisor: <u>Don Dulen</u>		DAILY COST: _____	<u>\$33,703</u>
		TOTAL WELL COST: _____	<u>\$380,812</u>



DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 **Report Date:** 8/19/2008 **Day:** 2b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 413' **Prod Csg:** 5 1/2" @ 5822' **Csg PBTD:** 5716' WL
Tbg: Size: Wt: **Grd:** Pkr/EOT @: **BP/Sand PBTD:** CBP @ 5280'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP1 sds</u>	<u>5528-5550'</u>	<u>4/88</u>
<u>LODC sds</u>	<u>5174-5188'</u>	<u>4/56</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/18/2008 **SITP:** SICP: 539

Day 2b, Stage #2 LODC sds.

RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug 8 1/4" perf gun. Set plug @ 5280'. Perforate LODC sds @ 5174-88' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120) w/ 4 spf for total of 56 shots. RU BJ Services. 539 psi on well. Frac LODC sds w/ 35,330#'s of 20/40 sand in 371 bbls of Lightning 17 fluid. Broke @ 3733 psi. Treated w/ ave pressure of 3100 psi w/ ave rate of 20.1 BPM. ISIP 4026 psi Leave pressure on well. 1171 BWTR. See day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 800 **Starting oil rec to date:**
Fluid lost/recovered today: 371 **Oil lost/recovered today:**
Ending fluid to be recovered: 1171 **Cum oil recovered:**
IFL: FFL: FTP: **Choke:** Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: LODC sds down casing
1069 gals of Techna Hib & to cross link
2800 gals of pad
2194 gals w/ 1-5 ppg of 20/40 sand
4282 gals w/ 5-8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4750 gals of slick water

COSTS

<u>BJ Services</u>	<u>\$8,605</u>
<u>CD Trucking</u>	<u>\$768</u>
<u>NPC fuel gas</u>	<u>\$144</u>
<u>Weatherford tools</u>	<u>\$2,500</u>
<u>The Perforators, llc</u>	<u>\$3,642</u>
<u>NPC Supervisor</u>	<u>\$100</u>

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

Max TP: 3351 **Max Rate:** 23.2 bpm **Total fluid pmpd:** 371 bbls
Avg TP: 3100 **Avg Rate:** 20.1 bpm **Total Prop pmpd:** 35,330#s
ISIP: 4026 **5 min:** 10 min: FG 1.2

Completion Supervisor: Don Dulen

DAILY COST: \$15,759
TOTAL WELL COST: \$396,571



DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 **Report Date:** 8/19/2008 **Day:** 3a
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 413' **Prod Csg:** 5 1/2" @ 5822' **Csg PBTD:** 5716' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____
CBP @ 5104', 5280'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP1 sds</u>	<u>5528-5550'</u>	<u>4/88</u>
<u>A1 sds</u>	<u>5050-5066'</u>	<u>4/64</u>			
<u>A1 sds</u>	<u>5074-5092'</u>	<u>6/72</u>			
<u>LODC sds</u>	<u>5174-5188'</u>	<u>4/56</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/18/2008 **SITP:** _____ **SICP:** 60

Day 3a, Stage #3 A1 sds.

RU BJ Services. 60 psi on well. Frac A1 sds w/ 84,924#'s of 20/40 sand in 701 bbls of Lightning 17 fluid. Broke @ 942 psi. Treated w/ ave pressure of 1705 psi w/ ave rate of 23.2 BPM. ISIP 2112 psi. Leave pressure on well. 1872 BWTR. See day 3b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1171 **Starting oil rec to date:** _____
Fluid lost/recovered today: 701 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 1872 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: A1 sds down casing
3158 gals of Techna Hib & to cross link
6400 gals of pad
4319 gals w/ 1-5 ppg of 20/40 sand
8622 gals w/ 5-8 ppg of 20/40 sand
1878 gals w/ 8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4544 gals of slick water
****Flush called @ blender to include 2 bbls for pump/line volume****
Max TP: 1970 **Max Rate:** 23.4 bpm **Total fluid pmpd:** 701 bbls
Avg TP: 1705 **Avg Rate:** 23.2 bpm **Total Prop pmpd:** 84,924#s
ISIP: 2112 **5 min:** _____ **10 min:** _____ **FG** .85
Completion Supervisor: Don Dulen

COSTS

<u>BJ Services</u>	<u>\$17,946</u>
<u>CD Trucking</u>	<u>\$1,856</u>
<u>NPC fuel gas</u>	<u>\$348</u>
<u>NPC Supervisor</u>	<u>\$100</u>
DAILY COST:	<u>\$20,250</u>
TOTAL WELL COST:	<u>\$428,264</u>



DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 **Report Date:** 8/19/2008 **Day:** 3b
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 413' **Prod Csg:** 5 1/2" @ 5822' **Csg PBTD:** 5716' WL
Tbg: Size: _____ **Wt:** _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** _____
CBP @ 4830', 5104', 5280'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
			<u>CP1 sds</u>	<u>5528-5550'</u>	<u>4/88</u>
<u>D2 sds</u>	<u>4684-4700'</u>	<u>4/64</u>			
<u>D3 sds</u>	<u>4748-4756'</u>	<u>4/32</u>			
<u>A1 sds</u>	<u>5050-5066'</u>	<u>4/64</u>			
<u>A1 sds</u>	<u>5074-5092'</u>	<u>6/72</u>			
<u>LODC sds</u>	<u>5174-5188'</u>	<u>4/56</u>			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/18/2008 **SITP:** _____ **SICP:** 1737

Day 2b, Stage #4 D2/D3 sds.

RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 16', 8' perf guns. Set plug @ 4830'. Perforate D2 sds @ 4684-4700' & D3 sds @ 4748-56' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120) w/ 4 spf for total of 96 shots. RU BJ Services. 1737 psi on well. Frac D2/D3 sds w/ 50,386#s of 20/40 sand in 440 bbls of Lightning 17 fluid. Broke @ 2389 psi. Treated w/ ave pressure of 1826 psi w/ ave rate of 23.1 BPM. ISIP 2101 psi. Leave pressure on well. 2312 BWTR. See day 3c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1872 **Starting oil rec to date:** _____
Fluid lost/recovered today: 440 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2312 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: D2/D3 sds down casing
1310 gals of Techna Hib & to cross link
3800 gals of pad
2625 gals w/ 1-5 ppg of 20/40 sand
5250 gals w/ 5-8 ppg of 20/40 sand
909 gals w/ 8 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4095 gals of slick water
****Flush called @ blender to include 2 bbls for pump/line volume****
Max TP: 2156 **Max Rate:** 23.3 bpm **Total fluid pmpd:** 440 bbls
Avg TP: 1826 **Avg Rate:** 23.1 bpm **Total Prop pmpd:** 50,386#s
ISIP: 2101 **5 min:** _____ **10 min:** _____ **FG** .88
Completion Supervisor: Don Dulen

COSTS

<u>BJ Services</u>	<u>\$11,270</u>
<u>CD Trucking</u>	<u>\$1,024</u>
<u>NPC fuel gas</u>	<u>\$192</u>
<u>Weatherford tools</u>	<u>\$2,500</u>
<u>The Perforators, llc</u>	<u>\$8,006</u>
<u>NPC Supervisor</u>	<u>\$100</u>
DAILY COST:	<u>\$23,092</u>
TOTAL WELL COST:	<u>\$451,356</u>

NEWFIELD



ATTACHMENT G-1

7 of 14

DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 **Report Date:** 8/19/2008 **Day:** 3c
Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 413' **Prod Csg:** 5 1/2" @ 5822' **Csg PBTD:** 5716' WL
Tbg: Size: _____ Wt: _____ **Grd:** _____ **Pkr/EOT @:** _____ **BP/Sand PBTD:** 4280'
CBP @ 4830', 5104', 5280'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4170-4180'	4/40	CP1 sds	5528-5550'	4/88
D2 sds	4684-4700'	4/64			
D3 sds	4748-4756'	4/32			
A1 sds	5050-5066'	4/64			
A1 sds	5074-5092'	6/72			
LODC sds	5174-5188'	4/56			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/18/2008 **SITP:** _____ **SICP:** 1822

Day 3b, Stage #5 GB6 sds.
 RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 4280'. Perforate GB6 sds @ 4170-80' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120) w/ 4 sp for total of 40 shots. RU BJ Services. 1822 psi on well. Frac GB6 sds w/ 39,122#'s of 20/40 sand in 370 bbls o Lightning 17 fluid. Broke @ 3266 psi. Treated w/ ave pressure of 1873 psi w/ ave rate of 23.1 BPM. ISIP 1993 psi Open well to pit for immediate flowback @ 3 bpm. Well flowed for 3 hrs & died. Recovered 400 bbls. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2312 **Starting oil rec to date:** _____
Fluid lost/recovered today: 30 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2282 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: GB6 sds down casing
1025 gals of Techna Hib & to cross link
3200 gals of pad
2500 gals w/ 1-5 ppg of 20/40 sand
4745 gals w/ 5-8 ppg of 20/40 sand
Flush w/ 4087 gals of slick water

Max TP: 2135 **Max Rate:** 23.2 bpm **Total fluid pmpd:** 370 bbls
Avg TP: 1873 **Avg Rate:** 23.1 bpm **Total Prop pmpd:** 39,122#s
ISIP: 1993 **5 min:** _____ **10 min:** _____ **FG** .91
Completion Supervisor: Don Dulen

COSTS

BJ Services	\$27,134
CD Trucking	\$896
NPC fuel gas	\$168
Weatherford tools	\$2,500
The Perforators, llc	\$3,336
NPC Supervisor	\$100
TPS tbg.	\$38,468
Multichem chemicals	\$300
NDSI water & truck	\$400
Monk's pit reclaim	\$5,000
NPC surface equip.	\$150,000
NPC labor/welding	\$13,500
NDSI water disposal	\$8,500
DAILY COST:	\$250,302
TOTAL WELL COST:	\$701,658



DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 **Report Date:** 8/27/2008 **Day:** 8
Operation: Completion **Rig:** Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 413' **Prod Csg:** 5 1/2" @ 5822' **Csg PBTD:** 5748'
Tbg: **Size:** 2 7/8" **Wt:** 6.5# **Grd:** J-55 **Pkr/EOT @:** 0' **BP/Sand PBTD:** _____

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
<u>GB6 sds</u>	<u>4170-4180'</u>	<u>4/40</u>	<u>CP1 sds</u>	<u>5528-5550'</u>	<u>4/88</u>
<u>D2 sds</u>	<u>4684-4700'</u>	<u>4/64</u>	_____	_____	_____
<u>D3 sds</u>	<u>4748-4756'</u>	<u>4/32</u>	_____	_____	_____
<u>A1 sds</u>	<u>5050-5066'</u>	<u>4/64</u>	_____	_____	_____
<u>A1 sds</u>	<u>5074-5092'</u>	<u>6/72</u>	_____	_____	_____
<u>LODC sds</u>	<u>5174-5188'</u>	<u>4/56</u>	_____	_____	_____

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/26/2008 **SITP:** 100 **SICP:** 100

RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 179 jts 2 7/8" tbg. ND BOP. Set TAC @ 5510' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH CDI 2 1/2" x 1 1/2" x 16' x 18' rod pump, 6- 1 1/2" weight bars, 20- 3/4" guided rods, 96- 3/4" slick rods, 100- 3/4" guidec rods, 1- 4', 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. Good pump action. RL pumping unit. Could not hang off rods due to pumping unit not placed correctly. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1997 **Starting oil rec to date:** _____
Fluid lost/recovered today: 60 **Oil lost/recovered today:** _____
Ending fluid to be recovered: 2057 **Cum oil recovered:** _____
IFL: _____ **FFL:** _____ **FTP:** _____ **Choke:** _____ **Final Fluid Rate:** _____ **Final oil cut:** _____

COSTS

<u>PRODUCTION TBG DETAIL</u>		<u>ROD DETAIL</u>	<u>Leed #712</u>	<u>\$5,684</u>
<u>KB 12.00'</u>		<u>1 1/2" x 26' polished rod</u>	<u>Weatherford BOP</u>	<u>\$300</u>
<u>179 2 7/8" tbg J-55 (5498.10')</u>		<u>1- 2', 4' x 3/4" pony sub</u>	<u>D&M Hot Oil</u>	<u>\$1,056</u>
<u>TA 2.77' @ 5510.10' KB</u>		<u>110- 3/4" guided rods</u>	<u>"A" grade rod string</u>	<u>\$16,500</u>
<u>1 2 7/8" tbg (30.90')</u>		<u>96- 3/4" slick rods</u>	<u>NPC frac tk(8tkx4days)</u>	<u>\$1,280</u>
<u>SN 1.10' @ 5543.77'</u>		<u>20- 3/4" guided rods</u>	<u>NPC frac head</u>	<u>\$500</u>
<u>2 2 7/8" tbg (61.22')</u>		<u>6- 1 1/2" weight bars</u>	<u>NPC swab tk(6 days)</u>	<u>\$240</u>
<u>NC .45'</u>		<u>2 1/2" X 1 1/2" X 16' X 18'</u>	<u>polished rod pkg.</u>	<u>\$2,200</u>
<u>EOT @ 5606.54'</u>		<u>RHAC rod pump - CDI</u>	<u>CDI TAC</u>	<u>\$525</u>
			<u>CDI PSN</u>	<u>\$80</u>
			<u>CDI rod pump</u>	<u>\$2,100</u>
			<u>NPC Supervisor</u>	<u>\$300</u>
			DAILY COST:	<u>\$30,765</u>
Completion Supervisor: <u>Don Dulen</u>			TOTAL WELL COST:	<u>\$760,698</u>



DAILY COMPLETION REPORT

WELL NAME: State 11-16-9-16 Report Date: 8/28/2008 Day: 9
Operation: Completion Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 413' Prod Csg: 5 1/2" @ 5822' Csg PBDT: 5748'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5606' BP/Sand PBDT:

PERFORATION RECORD

Table with 6 columns: Zone, Perfs, SPF/#shots, Zone, Perfs, SPF/#shots. Rows include GB6 sds, D2 sds, D3 sds, A1 sds, A1 sds, and LODC sds.

CHRONOLOGICAL OPERATIONS

Date Work Performed: 8/27/2008 SITP: SICP:

Can not hang rods on unit. Find tag. Clamp polished rod off on stuffing box. RD. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1997 Starting oil rec to date:
Fluid lost/recovered today: 60 Oil lost/recovered today:
Ending fluid to be recovered: 2057 Cum oil recovered:
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

COSTS

Table with 4 columns: PRODUCTION TBG DETAIL, ROD DETAIL, Leed #712, and costs. Includes items like KB 12.00', 179 2 7/8" tbg J-55, and completion supervisor Don Dulen.

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4120'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 174' balance plug using 14 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 54 sx Class "G" cement down 5 ½" casing to 463'

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

State 11-16-9-16

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

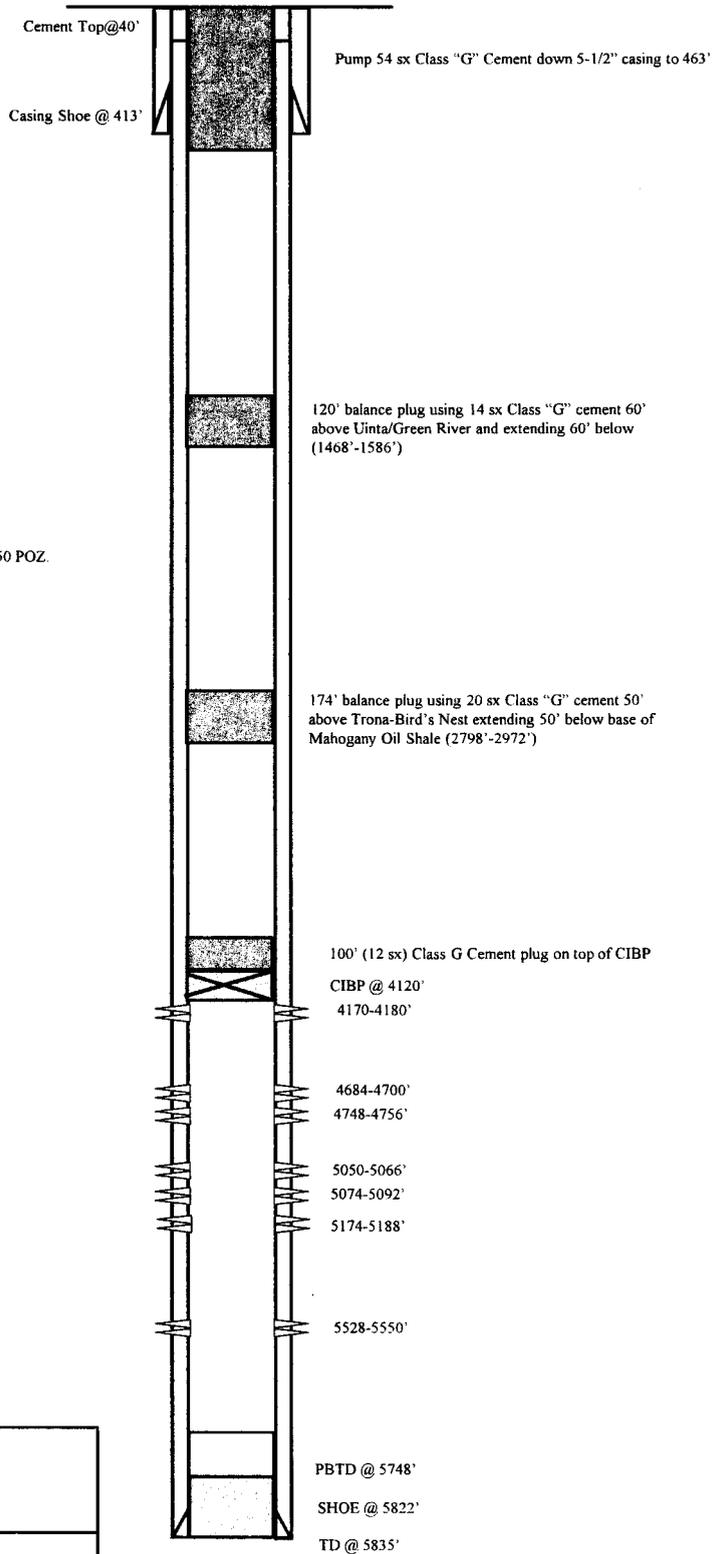
SURFACE CASING

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'

Proposed P & A Wellbore Diagram



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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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

SUBMIT IN TRIPLICATE - Other Instructions on page 2

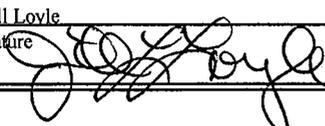
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTAH STATE ML-16532
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or GMBU
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2129 FSL 1899 FWL NESW Section 16 T9S R16E		8. Well Name and No. STATE 11-16-9-16
		9. API Well No. 4301333851
		10. Field and Pool, or Exploratory Area GREATER MB UNIT
		11. County or Parish, State DUCHESNE, UT

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

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

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

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Jill Loyle	Title Regulatory Technician
Signature 	Date 08/12/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-380

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

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

State 5-16-9-16 well located in SW/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33849

State 6-16-9-16 well located in SE/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33850

State 11-16-9-16 well located in NE/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33851

State 12-16-9-16 well located in NW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33852

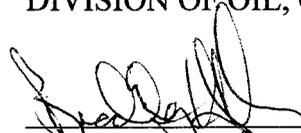
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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 5th day of October, 2011.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**STATE 5-16-9-16, STATE 6-16-9-16,
STATE 11-16-9-16, STATE 12-16-9-16**

Cause No. UIC-380

Publication Notices were sent to the following:

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

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

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

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

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

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

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 5, 2011

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-380

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



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 5, 2011

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-380

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

Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-380

From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: Jean Sweet <jsweet@utah.gov>
Date: 10/5/2011 1:26 PM
Subject: Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-380

On 10/5/2011 12:00 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

Received. Thank you. It will be published Oct. 11, 2011.
Cindy

Order Confirmation for Ad #0000732138-01

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	mfultz

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-380

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

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injector wells:

Greater Monument Butte Units:
State 5-16-9-16 well located in SW/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33849
State 6-16-9-16 well located in SE/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33850
State 11-16-9-16 well located in NE/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33851
State 12-16-9-16 well located in NW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33852

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 5th day of October, 2011.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
732138

UPAXLP

Total Amount	\$157.50			
Payment Amt	\$0.00			
Amount Due	\$157.50	Tear Sheets	Proofs	Affidavits
		0	0	1

Payment Method **PO Number** Legal Ad

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
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<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/08/2011	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	10/08/2011	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	10/08/2011	

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 WEST VALLEY CITY, UTAH 84170
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The Salt Lake Tribune

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CUSTOMER NAME AND ADDRESS	RECEIVED	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	OCT 18 2011 DIV. OF OIL, GAS & MINING	9001402352	10/10/2011

22 - 116

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUMBER	
8015385340		0000732138 /	
SCHEDULE			
Start 10/08/2011		End 10/08/2011	
CUST. REF. NO.			
Legal Ad			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL R			
SIZE			
61	Lines	2.00	COLUMN
TIMES		RATE	
3			
MISC. CHARGES		AD CHARGES	
		TOTAL COST	
		157.50	

BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES
 STATE OF UTAH
 NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-380

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESSIE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
 State 5-16-9-16 well located in SW/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33849
 State 6-16-9-16 well located in SE/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33850
 State 11-16-9-16 well located in NE/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33851
 State 12-16-9-16 well located in NW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33852

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 84144-5801, 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 5th day of October, 2011.

STATE OF UTAH
 DIVISION OF OIL, GAS & MINING
 /s/ Brad Hill
 Permitting Manager
 732138 UPAKLP

2210/REB/6131
 2250/REB/GGUA/OM/GF/12/10/11

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-380 IN THE MATTER OF THE APPLICA 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 INDEFINATELY.

Start 10/08/2011 End 10/08/2011

PUBLISHED ON

SIGNATURE

Bradley Young

10/10/2011

VIRGINIA CRAFT
 Notary Public, State of Utah
 Commission # 591489
 My Commission Expires
 January 12, 2014
Virginia Craft

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

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 11 day of October, 2011, and that the last publication of such notice was in the issue of such newspaper dated the 11 day of October, 2011, 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.



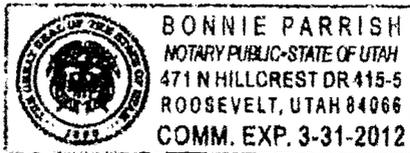
of Editor Publisher

Subscribed and sworn to before me this

17 day of October, 2011



Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-380

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

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument
Butte Unit:

State 5-16-9-16 well
located in SW/4 NW/4,
Section 16, Township 9
South, Range 16 East API
43-013-33849

State 6-16-9-16 well
located in SE/4 NW/4,
Section 16, Township 9
South, Range 16 East API
43-013-33850

State 11-16-9-16 well
located in NE/4 SW/4,
Section 16, Township 9
South, Range 16 East API
43-013-33851

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

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 5th day of
October, 2011.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

Published in the Uintah
Basin Standard October
11, 2011.

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

Applicant: Newfield Production Company **Well:** State 11-16-9-16

Location: 16/9S/16E **API:** 43-013-33851

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 State of Utah and the BLM. The State of Utah and the Federal Government 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 leaseholders 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 413 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,822 feet. A cement bond log demonstrates adequate bond in this well up to about 2,934 feet. A 2 7/8 inch tubing with a packer is proposed at 4,120 feet, but it will need to be lowered. A mechanical integrity test will be run on the well prior to injection. On the basis of surface location, there are 11 producing wells and 2 shut-in wells in the AOR. One of the producing wells is a horizontal well, with a surface location inside the AOR and a bottom hole location slightly outside the AOR. In addition, there is a proposed surface location outside the AOR for a horizontal well with a bottom hole location inside the AOR. All of the existing wells for which cement bond logs are available have evidence of adequate casing and cement for the proposed injection interval except the Castle Peak State 32-16 (API# 43-013-30650). This well's CBL (8/4/1982) demonstrates the TOC at approximately 4,502 feet. A CBL is not available for Castle Peak State 33-16 (API# 43-013-30640), but the approximate calculated cement top, based on cement reported in the well completion report, is at about 4,700 feet. To protect these wellbores Newfield will not perforate the State 11-16-9-16 above a depth of 4,800 feet (see next paragraph).

Revision (5/16/2013): On 08/14/2012 a CBL was received from Newfield for the Castle Peak State 33-16 (43-013-30640) well. This CBL (4/16/1982) indicates a suitable cement top at about 4,376 feet. For this reason, the permitted injection top in the State 11-16-9-16 well is revised upward to 4,590 feet, limited by the Castle Peak State 32-16 well (see below).

Revision (7/23/2013): In preparation for cement remediation in the Castle Peak State 33-16 (43-013-30640) well, Newfield had a new CBL run by The Perforators, LLC on 6/27/2013. It was discovered that cement remediation had been done by a previous operator, but the Utah DOGM was apparently not notified, nor was an updated CBL submitted. The new CBL run for Newfield indicates good cement up to a depth of 3860 feet. Also, Newfield completed cement remediation

State 11-16-9-16
page 2

in the Castle Peak 32-16 (43-013-30650) well on 6/24/2013. Subsequently, a new CBL was run by The Perforators, LLC on 6/25/2013. The new CBL indicates variable but adequate cement between at least 3386 and 3634 feet. DOGM accepts 3386 feet as the top of adequate cement. Inasmuch as these wells were the principal obstacles to granting Newfield's requested injection interval (3,933'-5,748') in the State 11-16 well, DOGM is prepared to raise the permitted injection top to 3,980', including all existing perforations.

Ground Water Protection: As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 2400 feet. The requested injection interval is between 3,933 feet and 5,748 feet in the Green River Formation. (See **Revisions** above) However, the top of acceptable cement bond (based on the CBL) is at about 4,502 feet in the Castle Peak State 32-16 well (API# 43-013-30650), located within the AOR, approximately 0.4 mile northeast of the State 11-16-9-16 well. Also, the calculated cement top is about 4,700 feet in Castle Peak 33-16 (API# 43-013-30640), located approximately 0.3 mile east-southeast State 11-16-9-16. For this reason, it is recommended that the top of the injection interval be permitted no higher than a depth of 4,800 feet in the State 11-16-9-16 well.

Revision (5/16/2013): The injection top in the State 11-16-9-16 is restricted to no higher than 4,590 feet because of the proximity to the Castle Peak State 32-16 well, located approximately 0.4 mile northeast of the State 11-16 well. The cement top in the Castle Peak State 32-16 well is about 4,502, which correlates to a depth of approximately 4,490 feet in the State 11-16 well. For this reason, the injection top is limited to 4,590 in the State 11-16 well. Information submitted by Newfield indicates that the fracture gradient for the 11-16-9-16 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 1,899 psig. The requested maximum pressure is 1,899 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 groundwater present should be adequately protected.

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.

State 11-16-9-16
page 3

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

Reviewer(s): Mark Reinbold Date: 4/18/12 (rev. 5/16/13 and 7/23/13)



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 19, 2012

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

Subject: Greater Monument Butte Unit Well: State 11-16-9-16, Section 16, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33851

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 4,800 feet in the State 11-16-9-16 well.

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

Sincerely,

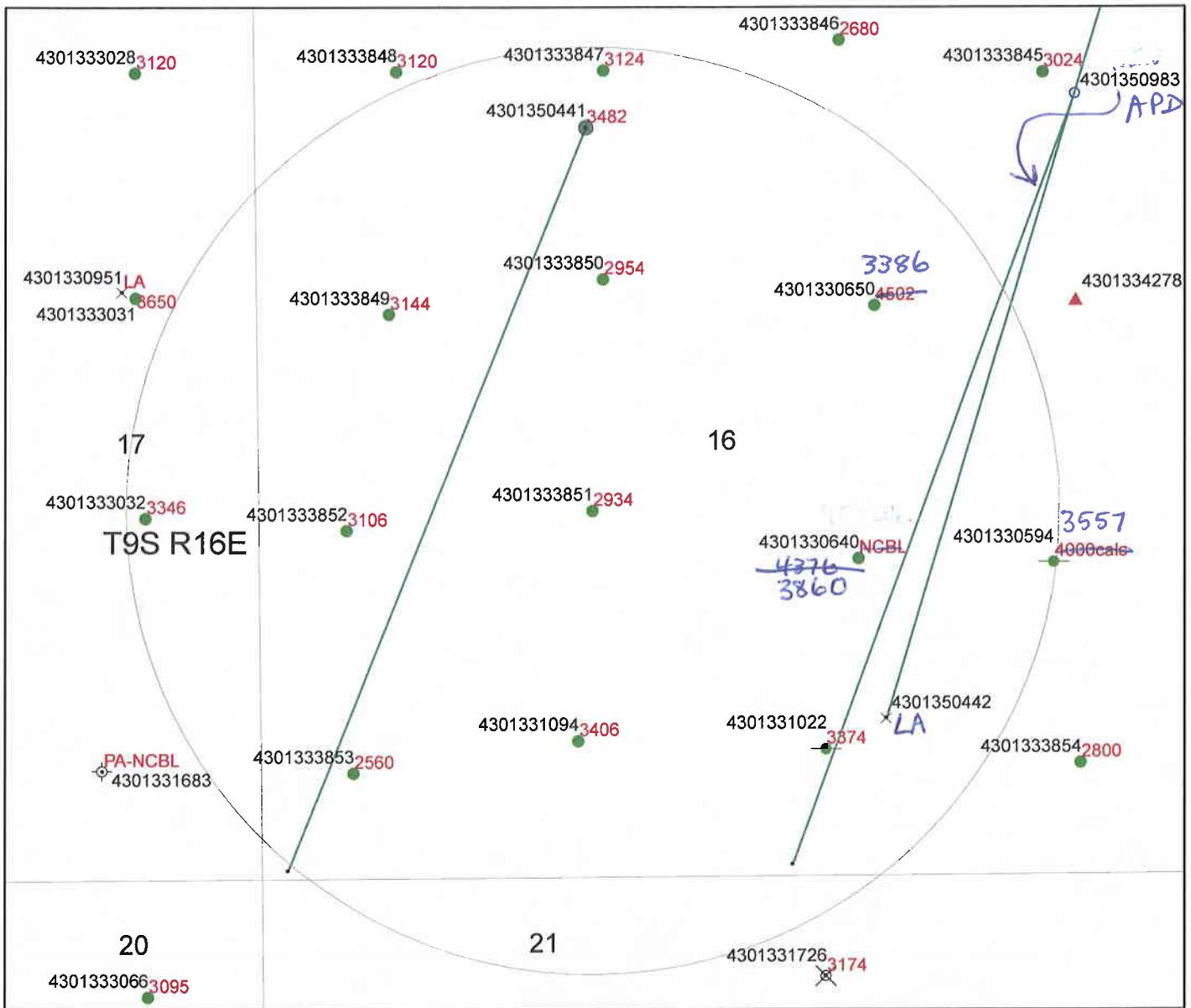
John Rogers
Associate Director

JR/MLR/js

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

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





Cement Bond Tops

STATE 11-16-9-16

API #43-013-33851
UIC-380.4

Legend

- Buffer_of_SGID93_ENERGY_DNROilGasWells_88
- SGID93.ENERGY.DNROilGasWells**
- GIS_STAT_TYPE**
- APD
- ⊙ DRL
- ⊗ GIW
- _{cs} GSW
- × LA
- (NEW)
- OPS
- ⊙ PA
- ⊗ PGW
- POW
- ▲ RET
- ⊗ SGW
- SOW
- ⊗ TA
- TW
- ⊗ WDW
- ▲ WIW
- WSW
- Wells-CbltopsMaster9_28_11
- SGID93.ENERGY.DNROilGasWells_HDBottom
- SGID93.ENERGY.DNROilGasWells_HDPath



1870 calc = approx cement top calculated from well completion report





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 19, 2012
Revised May 16, 2013

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

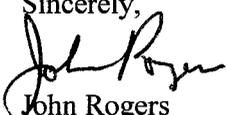
Subject: Greater Monument Butte Unit Well: State 11-16-9-16, Section 16, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33851

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 **4,590 feet** in the State 11-16-9-16 well. **The injection top is limited to this depth by the nearby Castle Peak 32-16 well (43-013-30650).**

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





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 19, 2012
Revised May 16, 2013
Revised July 2, 2013

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

Subject: Greater Monument Butte Unit Well: State 11-16-9-16, Section 16, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33851

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 **3,980 feet** in the State 11-16-9-16 well.

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

Sincerely,

John Rogers
Associate Director

JR/MLR/js

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



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:
1. TYPE OF WELL Oil Well	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	8. WELL NAME and NUMBER: STATE 11-16-9-16
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2129 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW 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

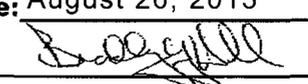
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/17/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

The subject well has been converted from a producing oil well to an injection well on 07/16/2013. On 07/17/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/17/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen.

Accepted by the Utah Division of Oil, Gas and Mining

Date: August 26, 2013

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/23/2013	

Casing or Annulus Pressure Test

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

Witness: Chris Jensen Date 7/17/13 Time 11:45 am pm
Test Conducted by: Riley Backs
Others Present: Johnny Daniels

Well: State 11-16-9-16 Field: Monument Butte
Well Location: State 11-16-9-16 API No: 4301333851

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

Tubing pressure: 250 psig

Result: Pass Fail

Signature of Witness: Chris Jensen

Signature of Person Conducting Test: Riley Backs

Daily Activity Report**Format For Sundry****STATE 11-16-9-16****5/1/2013 To 9/30/2013****7/15/2013 Day: 1****Conversion**

wildcat #2 on 7/15/2013 - FLUSHED 40 BBLs ON TBG @250 DEG LD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 130-3/4" 4-PER GUIDED RODS, 96-3/4" SLICK SUCKER RODS - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 11:30AM FLUSHED 40 BBLs ON TBG @250 DEG LD 1-3/4"X2' PONY ROD, 1-3/4"X4' PONY ROD, 130-3/4" 4-PER GUIDED RODS, 96-3/4" SLICK SUCKER RODS, 6-1 1/2" C(API) WT BARS 11:30AM TO 12:30PM RIH W/ SANDLINE TO TAG FILL TAGGED FILL@5738' 12:30PM TO 1:30PM ND WH RELEASED TAC NU BOPS RD RIG FLOOR 1:30PM TO 3:00PM TOO H 36 JTS BREAKING EVERY CONNECTION AND RE-DOPING W/ GREEN LIQUID O-RING DOPE SIWFN 3:00PM TO 4:30PM CREW TRAVEL

Daily Cost: \$0**Cumulative Cost: \$16,175****7/16/2013 Day: 2****Conversion**

wildcat #2 on 7/16/2013 - 11:30AM BLEW DOWN WELL FLUSHED TBG W/ 40 BBLs @250DEG TOO H 97 JTS OF TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 11:30AM BLEW DOWN WELL FLUSHED TBG W/ 40 BBLs @250DEG TOO H 97 JTS OF TBG BREAKING EVERY CONNECTION AND RE-DOPING W/ LIQUID O-RING GREEN DOPE 11:30AM TO 1:30PM LD 49 JTS 1 TAC 1 PSN 1 NC 1:30PM TO 3:30PM TIH 1-2 3/8" XN NIPPLE, 1-2 3/8" TBG SUB, 1-5 1/2" WEATHERFORD PKR, 1-RETRIEVING HEAD, 1-2 7/8" SEAT NIPPLE, 133-JTS TBG 3:30PM TO 4:30PM PUMPED 10 BBLs DROPPED STANDING VALVE CHASED W/ 25 BBLs PT TBG TO 3K PSI HELD 100% FOR 30MIN RIH W/ SANDLINE RETRIEVED STANDING VALVE POOH 4:30PM TO 5:30PM RU RIG FLOOR ND BOPS NU INJECTION WH SIWFN 5:30PM TO 7:00PM CREW TRAVEL

Daily Cost: \$0**Cumulative Cost: \$23,307****7/17/2013 Day: 3****Conversion**

wildcat #2 on 7/17/2013 - BLEW DOWN WELL CIRCULATED 50 BBLs OF PKR FLUID SET PKR W/ 15K# TENSION LANDED WELL W/ INJECTION TREE LOADED CSG W/ 25 BBLs OF PKR FLUID PT CSG TO 1400 PSI HELD 100% FOR 30 MIN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM BLEW DOWN WELL CIRCULATED 50 BBLs OF PKR FLUID SET PKR W/ 15K# TENSION LANDED WELL W/ INJECTION TREE LOADED CSG W/ 25 BBLs OF PKR FLUID PT CSG TO 1400 PSI HELD 100% FOR 30 MIN 10:00AM TO 11:00AM RD RIG PRE INSPECT FOR ROADING TO NEXT LOCATION

Daily Cost: \$0**Cumulative Cost: \$27,632****7/22/2013 Day: 4****Conversion**

Rigless on 7/22/2013 - Conduct initial MIT - On 07/17/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 07/17/2013 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss.

The well was not injecting during the test. The tubing pressure was 250 psig during the test.
There was a State representative available to witness the test - Chris Jensen. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$59,844

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

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

State 11-16-9-16

Injection Wellbore Diagram

SURFACE CASING

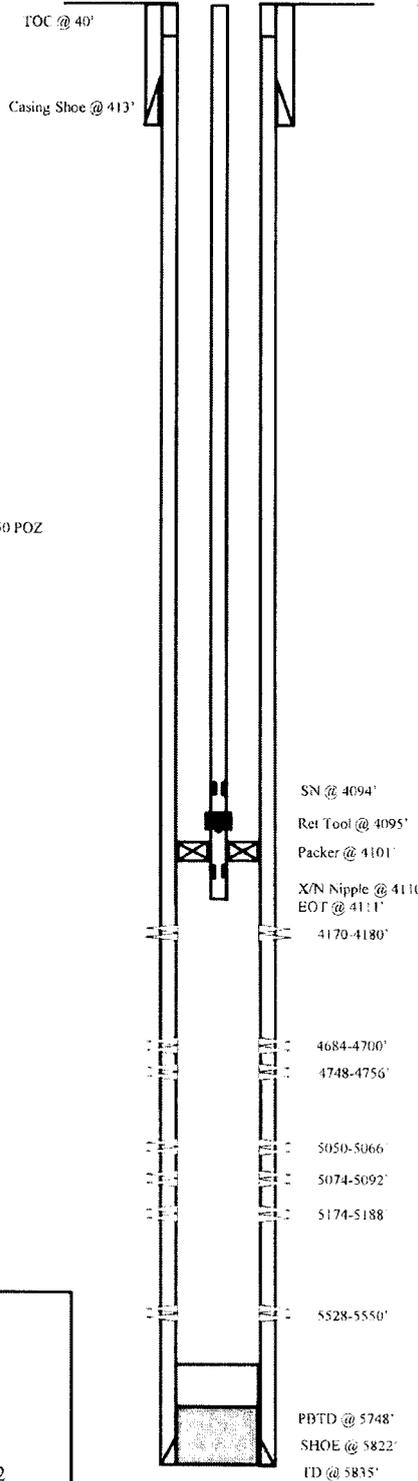
CSG SIZE 8-5/8"
 GRADE J-55
 WEIGHT 24#
 LENGTH 10 jts (403'45")
 DEPTH LANDED 413'45"
 HOLE SIZE 12-1/4"
 CEMENT DATA 218 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE 5-1/2"
 GRADE J-55
 WEIGHT 15.5#
 LENGTH 139 jts (5809'54")
 HOLE SIZE 7-7/8"
 DEPTH LANDED 5822'14"
 CEMENT DATA 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT 40'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
 NO OF JOINTS 133 jts (4082')
 SEATING NIPPLE 2-7/8" N-80 (1'10")
 SN LANDED AT 4094' KB
 RET TOOL N-80 AT 4095'1"
 ARROW #1 PACKER CE AT 4101'4"
 XO 2-3/8 x 2-7/8 J-55 AT 4105'1"
 TBG PUP 2-3/8 J-55 AT 4105'6"
 X/N NIPPLE AT 4109'7"
 TOTAL STRING LENGTH EOT @ 4111'27"



FRAC JOB

08-18-08 5528-5550' Frac C P1 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 @ 23.1 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 @ 23.1 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 G86 sands as follows:
 Frac with 39122 #'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Treat at an ave pressure of 1873 psi @ 23.1 BPM ISIP 1993 psi

9/10/08 **Pump Change** Updated rod & tubing details

07/16/13 **Convert to Injection Well**

07/17/13 **Conversion MIT Finalized** - update tbg detail

PERFORATION RECORD

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



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



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

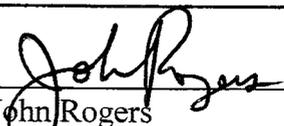
UNDERGROUND INJECTION CONTROL PERMIT Cause No. UIC-380

Operator: Newfield Production Company
Well: State 11-16-9-16
Location: Section 16, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33851
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on April 19, 2012 (revised May 16, 2013 and July 2, 2013).
2. Maximum Allowable Injection Pressure: 1,899 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,980' – 5,748')
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

9/4/2013

Date

JR/MLR/js

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

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

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



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 11-16-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	
9. API NUMBER: 43013338510000	
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: 2129 FSL 1899 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW 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: 9/5/2013	<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 11:00 AM on 09/05/2013.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 September 09, 2013**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 9/6/2013	