

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Rio Grande 16-13-4-1W				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> UNDESIGNATED				
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee</b>			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Deveraux						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 2378 W 7575 S, West Jordan, UT 84084						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		462 FSL 774 FEL		SESE	13	4.0 S	1.0 W	U		
Top of Uppermost Producing Zone		462 FSL 774 FEL		SESE	13	4.0 S	1.0 W	U		
At Total Depth		462 FSL 774 FEL		SESE	13	4.0 S	1.0 W	U		
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 462			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1136			<b>26. PROPOSED DEPTH</b> MD: 7265 TVD: 7265				
<b>27. ELEVATION - GROUND LEVEL</b> 4946			<b>28. BOND NUMBER</b> B001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
Surf	12.25	8.625	0 - 500	24.0	J-55 ST&C	8.3	Class G	229	1.17	15.8
Prod	7.875	5.5	0 - 7265	15.5	J-55 LT&C	8.3	Premium Lite High Strength	364	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Mandie Crozier				<b>TITLE</b> Regulatory Tech				<b>PHONE</b> 435 646-4825		
<b>SIGNATURE</b>				<b>DATE</b> 01/24/2011				<b>EMAIL</b> mcrozier@newfield.com		
<b>API NUMBER ASSIGNED</b> 43047514980000				<b>APPROVAL</b>				 Permit Manager		

NEWFIELD PRODUCTION COMPANY  
 RIO GRANDE 16-13-4-1W  
 SE/SE SECTION 13, T4S, R1W  
 UTAH 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' – 2,095'
Green River	2,095'
Wasatch	6,990'
<b>Proposed TD</b>	<b>7,265'</b>

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

Green River Formation (Oil)	2,095' – 6,990'
-----------------------------	-----------------

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: Rio Grande 16-13-4-1W**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	500'	24.0	J-55	STC	2,950 10.52	1,370 8.61	244,000 20.33
Prod casing 5-1/2"	0'	7,265'	15.5	J-55	LTC	4,810 2.08	4,040 1.75	217,000 1.93

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: Rio Grande 16-13-4-1W**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	500'	Class G w/ 2% CaCl	229 268	30%	15.8	1.17
Prod casing Lead	5,265'	Prem Lite II w/ 10% gel + 3% KCl	364 1186	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

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:**

From surface to  $\pm 500$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 350$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. 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 on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will visually monitor pit levels and flow from the well during drilling operations.

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 @ 500' +/-, 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:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.

**CONFIDENTIAL**

# T4S, R1W, U.S.B.&M.

N89°53'W - 79.41 (G.L.O.)

S88°49'29"W - 2656.93' (Meas.)

S89°05'02"W  
2605.33' (Meas. to C.C.)  
2608.27' (Meas. to True)

East 1/4 Corner  
Sec 12 (Angle Point)  
(Proportioned, Not Set)

Northeast Closing  
Corner Section 13  
1959 Galv. Steel Cap

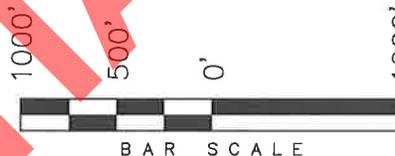
S00°56'03"E 2657.43'  
(Meas. from East 1/4  
Corner Sec. 12 to A.P.)

Northwest Corner  
Sec. 18 (Angle Point)  
1959 Galv. Steel Cap

Lot 1

## NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 16-13-4-1W, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 (LOT 4) OF SECTION 13, T4S, R1W, U.S.B.&M. UINTAH COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.



**WELL LOCATION:**  
**16-13-4-1W**  
ELEV. UNGRADED GROUND = 4945.6'

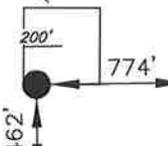
13

S0°01'E (G.L.O.)  
S01°05'50"E - 5289.91' (Meas.)

Lot 2

Lot 3

DRILLING WINDOW  
Lot 4

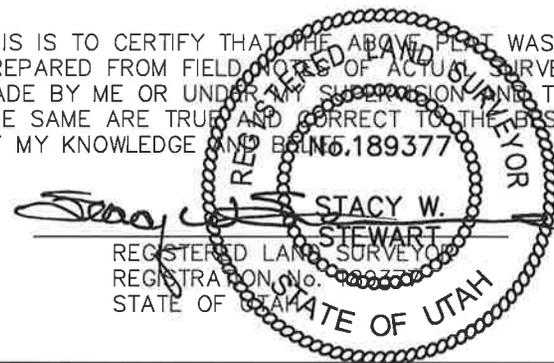


S88°53'19"W - 5240.15' (Meas.)  
N89°53'W - 79.30 (G.L.O.)

Southeast Corner  
Section 13  
(Proportioned, Not Set)

Angle Point  
Reestablished Using  
Single Proportion  
Method (Not Set)

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.



### TRI STATE LAND SURVEYING & CONSULTING

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

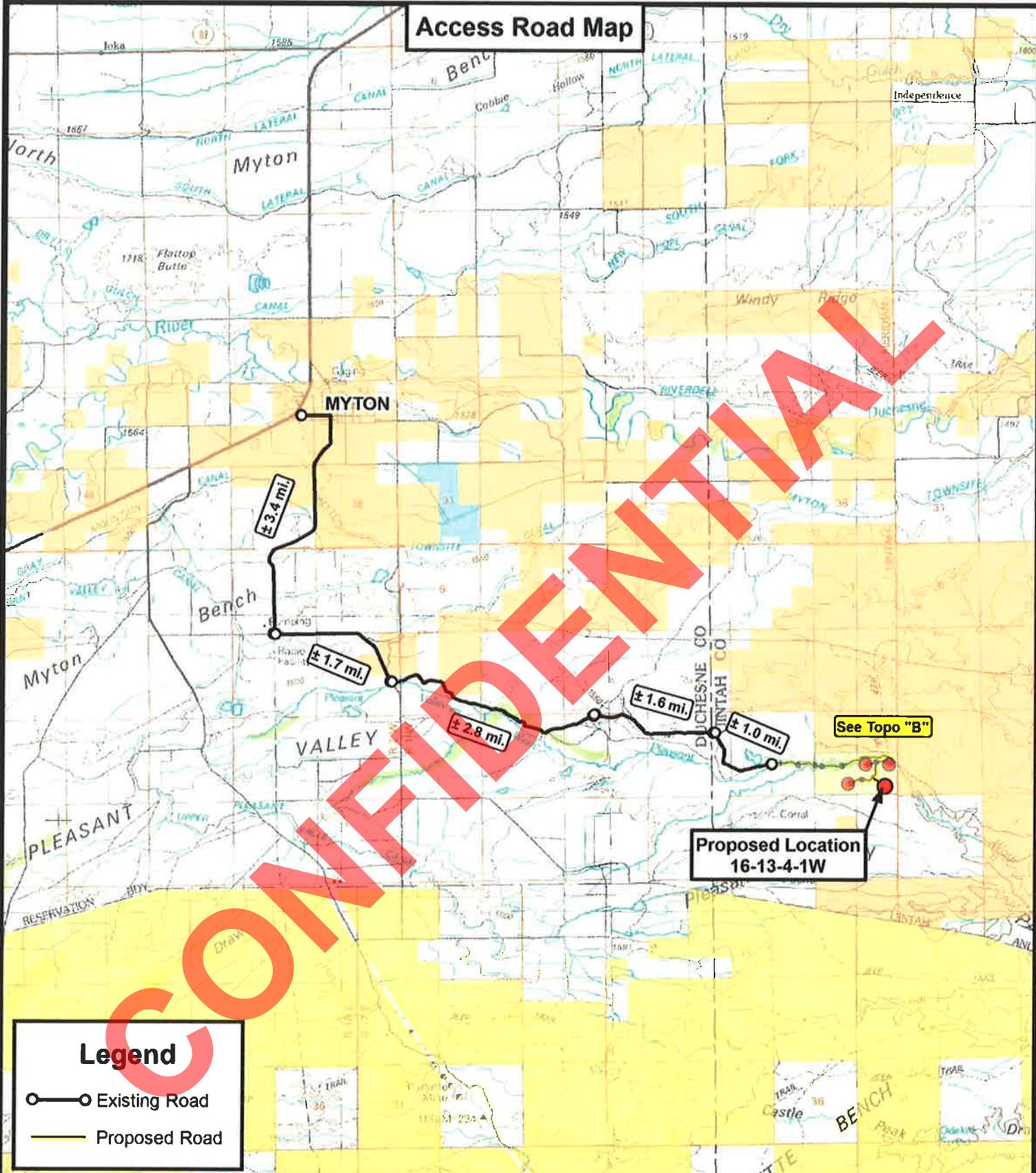
DATE SURVEYED: 11-16-10	SURVEYED BY: D.G.
DATE DRAWN: 12-17-10	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

**16-13-4-1W**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 07' 44.55"  
LONGITUDE = 109° 56' 17.57"

### Access Road Map



### Legend

- Existing Road
- Proposed Road



**Tri State**  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
 F: (435) 781-2518



### NEWFIELD EXPLORATION COMPANY

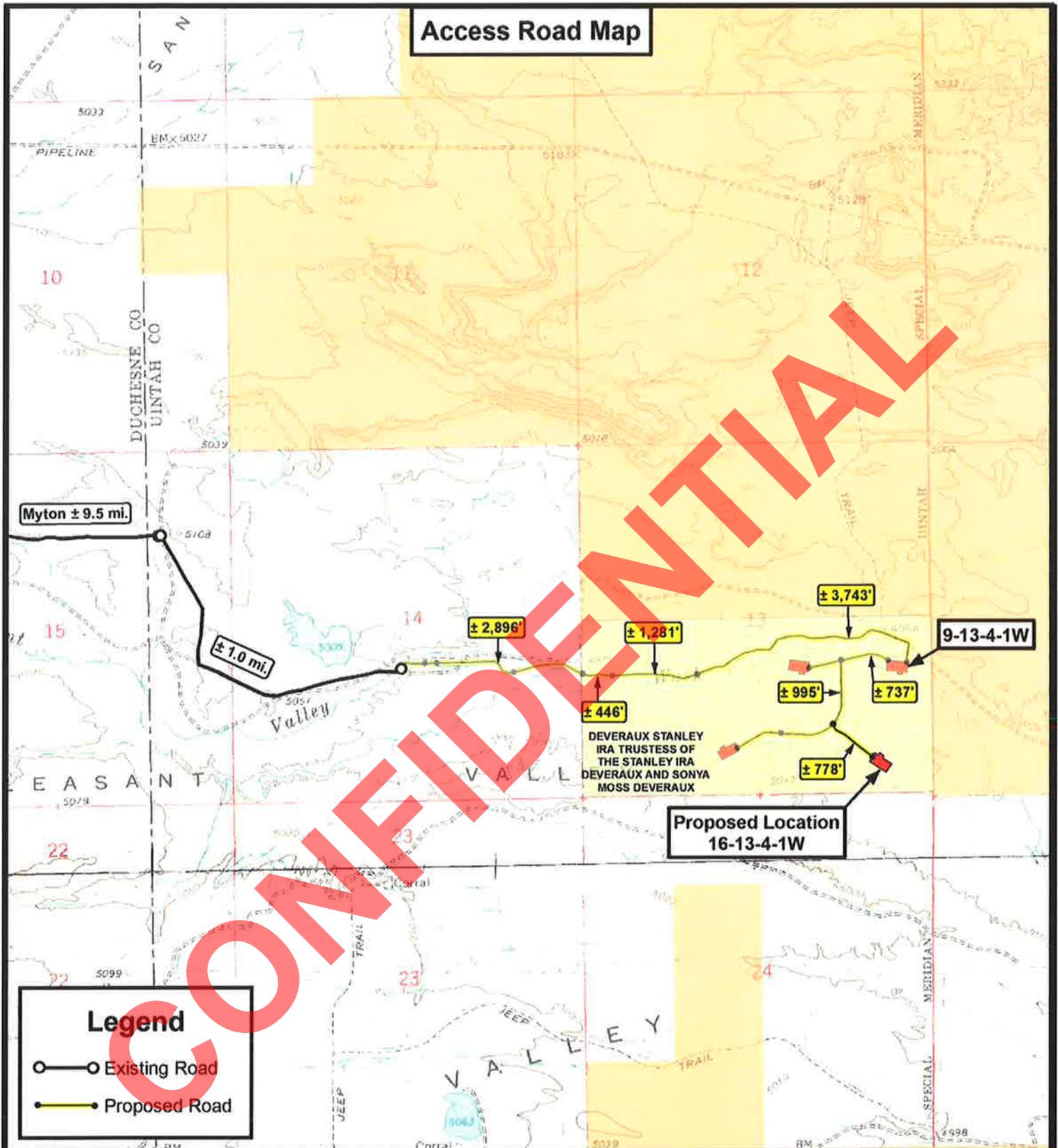
**16-13-4-1W**  
**SEC. 13, T4S, R1W, U.S.B.&M.**  
**Uintah County, UT.**

DRAWN BY:	C.H.M.	REVISED:	12-23-2010
DATE:	10-08-2010		
SCALE:	1:100,000		

### TOPOGRAPHIC MAP

SHEET  
**A**

**Access Road Map**



**Legend**

- Existing Road
- Proposed Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 P: (435) 781-2501  
 F: (435) 781-2518

DRAWN BY:	C.H.M.	REVISED:	12-23-2010
DATE:	10-08-2010		
SCALE:	1" = 2,000'		



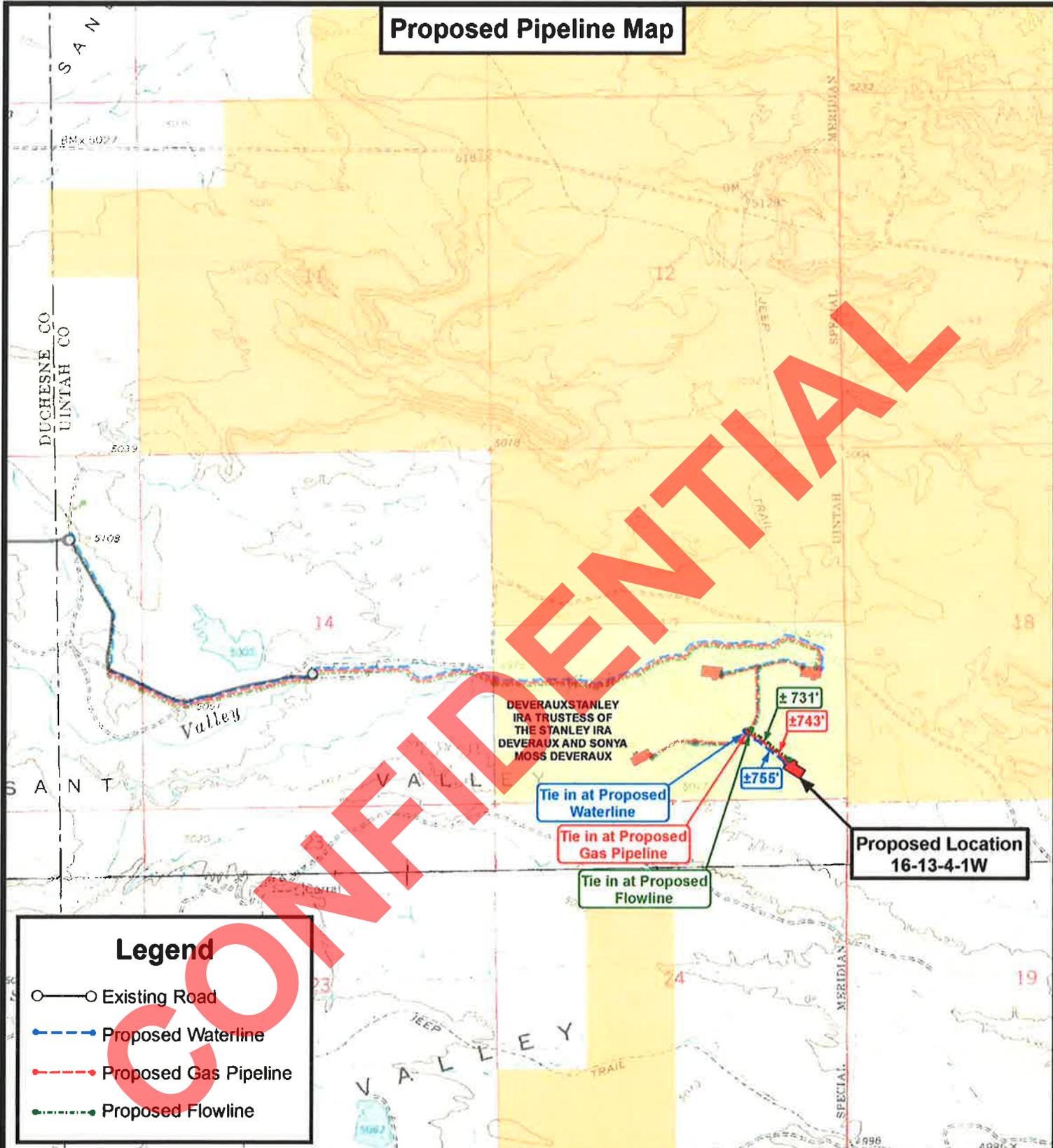
**NEWFIELD EXPLORATION COMPANY**

16-13-4-1W  
 SEC. 13, T4S, R1W, U.S.B.&M.  
 Uintah County, UT.

**TOPOGRAPHIC MAP**

SHEET **B**

**Proposed Pipeline Map**



**Legend**

- Existing Road
- Proposed Waterline
- Proposed Gas Pipeline
- Proposed Flowline

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

DRAWN BY:	C.H.M.	REVISED:	12-23-2010
DATE:	10-08-2010		
SCALE:	1" = 2,000'		

**NEWFIELD EXPLORATION COMPANY**

16-13-4-1W  
SEC. 13, T4S, R1W, U.S.B.&M.  
Uintah County, UT.



**TOPOGRAPHIC MAP**

SHEET  
**C**

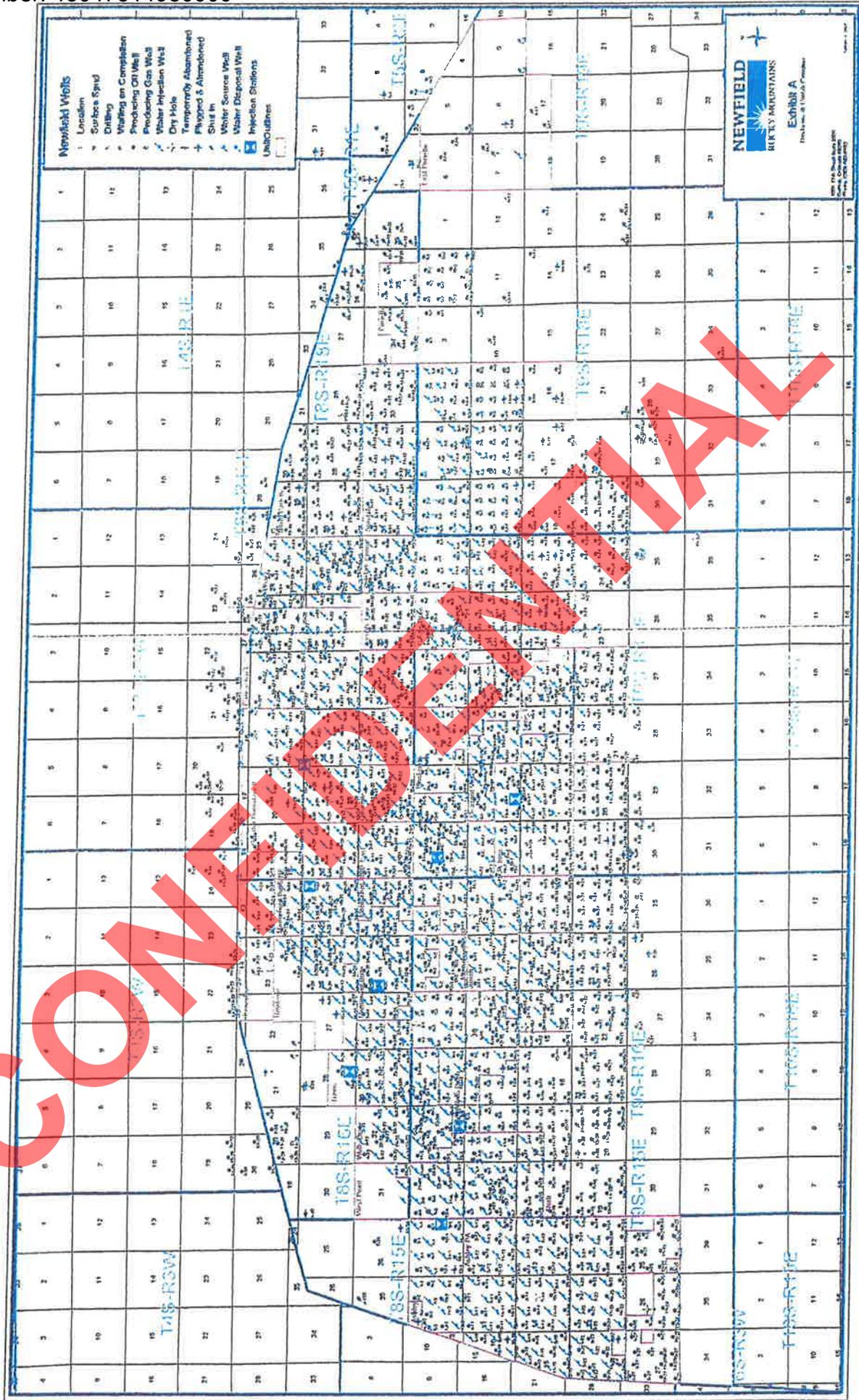
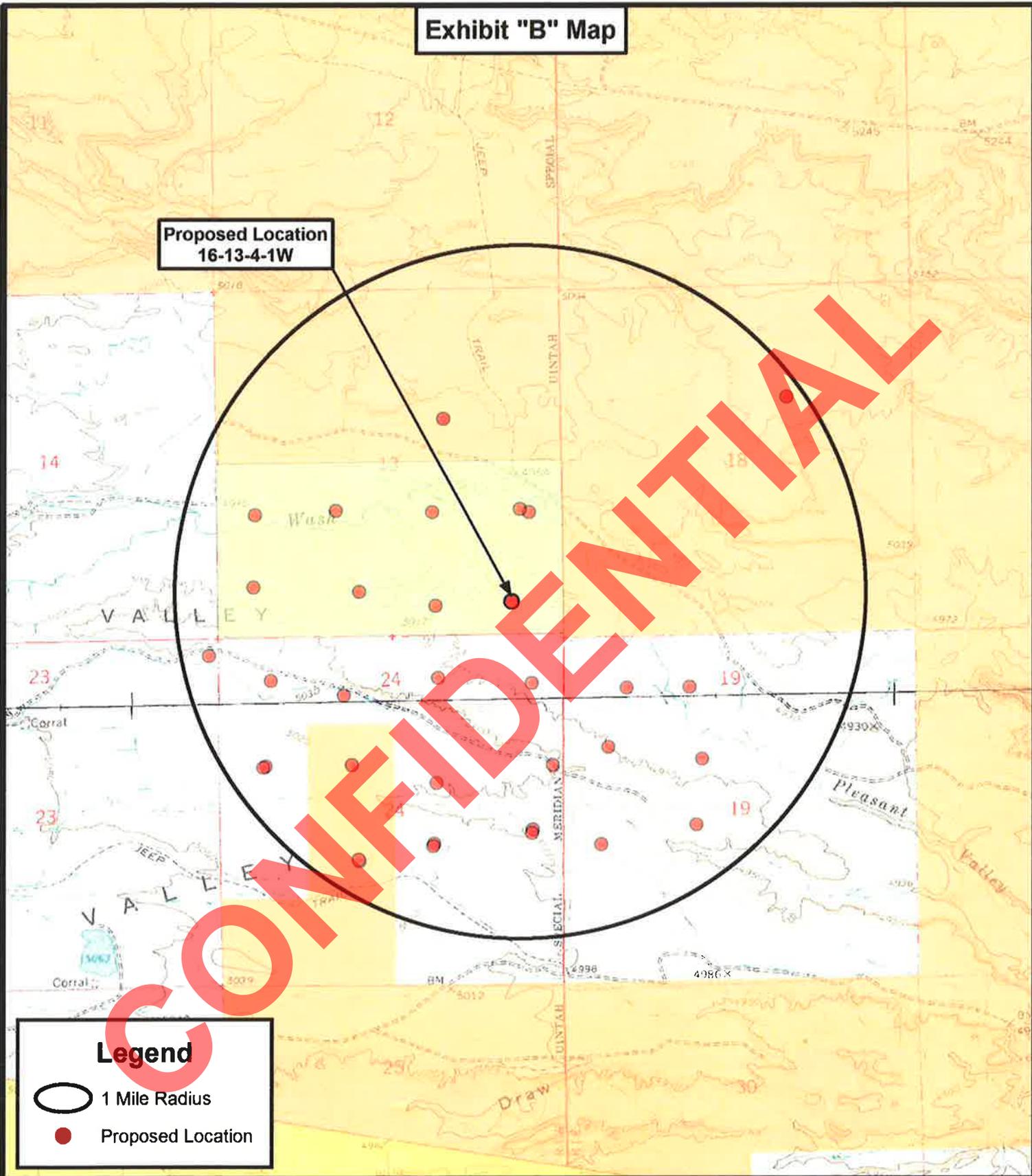


Exhibit "B" Map

Proposed Location  
16-13-4-1W



**Legend**

-  1 Mile Radius
-  Proposed Location



**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**NEWFIELD EXPLORATION COMPANY**

**16-13-4-1W**  
**SEC. 13, T4S, R1W, U.S.B.&M.**  
**Uintah County, UT.**

DRAWN BY:	C.H.M.	REVISED:	12-23-2010
DATE:	10-08-2010		
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**

COPY

MEMORANDUM  
of  
EASEMENT, RIGHT-OF-WAY  
and  
SURFACE USE AGREEMENT

This Easement and Surface Use Agreement ("Agreement") is entered into this 28<sup>th</sup> day of September 2010 by and between, Gary Deveraux and The Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust, whose address is 2378 W. 7575 S., West Jordan, UT 84084, ("Surface Owner," whether one or more), and NEWFIELD PRODUCTION COMPANY, a Texas corporation ("NEWFIELD"), with offices at 1001 Seventeenth Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in ~~Duchesne~~ Uintah County, Utah described as follows:

Township 4 South, Range 1 West  
Section 13:  
The South Half  
Section 14:  
The Northeast Quarter; the North half of the Southeast Quarter  
  
Uintah County  
Being 557.43 acres more or less

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated September 28<sup>th</sup>, 2010, as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD's oil and gas leases remain in effect.

This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned.

These Parties hereto have executed this document effective as of the day first above written.

SURFACE OWNERS

NEWFIELD PRODUCTION COMPANY

By: [Signature] 11/6/10  
Gary Deveraux, Private Surface Owner

By: [Signature] 11/6/10  
Dan Shewmake,  
Vice President-Development  
VCSF 3521

By: [Signature] 11/6/10  
Stanley Ira Deveraux, Private Surface Owner  
Trustee of the Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust

STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 6<sup>th</sup> day of Nov., 2010 by Gary Deveraux, Private Surface Owner.

Witness my hand and official seal.



Jeff Henderson  
Notary Public

My commission expires 11-10-10

STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 6<sup>th</sup> day of Nov., 2010 by Stanley Ira Deveraux, Trustee of the Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust, Private Surface Owner.

Witness my hand and official seal.



Jeff Henderson  
Notary Public

My commission expires 11-10-10

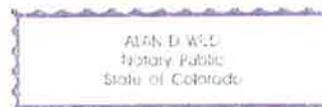
STATE OF COLORADO )  
 )ss  
COUNTY OF DENVER )

This instrument was acknowledged before me this 10<sup>th</sup> day of Nov, 2010 by Dan Shewmake, Vice President-Development a Texas corporation, on behalf of the corporation. West part of Nevada Production Company

Witness my hand and official seal.

Alan D. Wood  
Notary Public

My commission expires \_\_\_\_\_



My Commission Expires Feb. 17, 2011

**EXHIBIT D**

Township 4 South, Range 1 West

Section 13:

The South half

Section 14:

The Northeast Quarter; the North half of the Southeast Quarter

Uintah County

Being 557.43 acres more or less

**ARCHAEOLOGICAL, PALEONTOLOGICAL, & BIOLOGICAL  
REPORT WAIVER**

For the above referenced locations, **Gary Deveraux and The Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust**, the private surface owners. (Having a Surface Owner Agreement with Newfield Production Company)

**Gary Deveraux and Stanley Ira Deveraux**, representing this entity does agree to waive the request from the State of Utah and Bureau of Land Management for an Archaeological/Cultural, Paleontological, and Biological Resource Survey for any wells covered by the Surface Use Agreement dated 9/28/2010 between the above said private land owner and Newfield Production. This waiver hereby releases Newfield Production Company from this request.

Gary Deveraux 11/6/10  
Date  
Private Surface Owner

Jeff Henderson 11-6-10  
Date  
Newfield Production Company

Stanley Ira Deveraux 11/6/10  
Date  
Trustee of the Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust  
Private Surface Owner

**COPY**

NEWFIELD PRODUCTION COMPANY  
RIO GRANDE 16-13-4-1W  
SE/SE SECTION 13, T4S, R1W  
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Rio Grande 16-13-4-1W located in the SE¼ SE¼ Section 13, T4S, R1W, S.L.B. & M., Uintah County, Utah:

Proceed in a southwesterly direction out of Myton, approximately 3.4 miles to the junction of this road and an existing road to the east; proceed in a southeasterly direction approximately 6.1 miles to it's junction with an existing road to the southeast; proceed southeasterly approximately 1.0 miles to it's junction with the beginning of the proposed access road to the east; proceed in an easterly direction along the proposed access road approximately 8,366' to the 9-13-4-1W well location; continue in a westerly direction approximately 737' to it's junction with a road to the south; continue in a southeasterly direction along the proposed access road approximately 1,773' 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 10,876' 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 a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

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

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-7478

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

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. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and 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:** Gary Deveraux and the Stanley and Sony Deveraux Living Trust. See the attached Memorandum of Right of Way and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 10,876' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 743' of surface gas line to be granted. Newfield Production Company requests 755' of buried water line to be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 3" poly fuel gas line, a buried 3" steel water injection line and a buried 3" poly water return line. The planned access road will consist of a 18' permanent running surface (9' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events 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 turnouts as needed along this road to allow for increases in potential traffic issues. 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.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM.

- 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.

#### **Surface Flow Line**

Newfield requests 731' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. Refer to Topographic Map "C" for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

#### **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 Rio Grande 16-13-4-1W, 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 Rio Grande 16-13-4-1W 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: Tim Eaton  
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 #16-13-4-1W, SE/SE Section 13, T4S, R1W, Uintah 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 Bond #B001834.

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.

1/24/11  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

CONFIDENTIAL

## 2-M SYSTEM

Blowout Prevention Equipment Systems

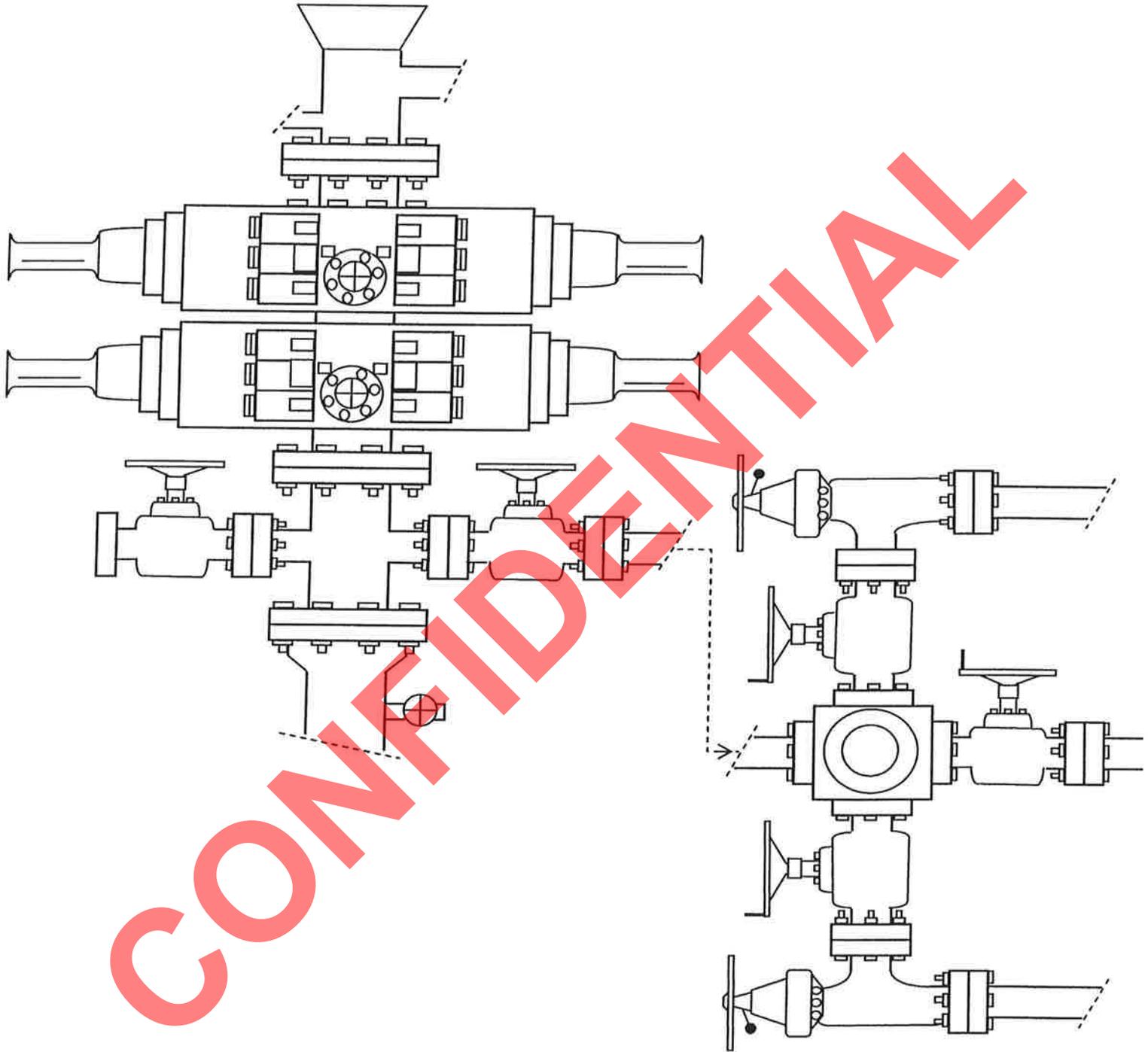
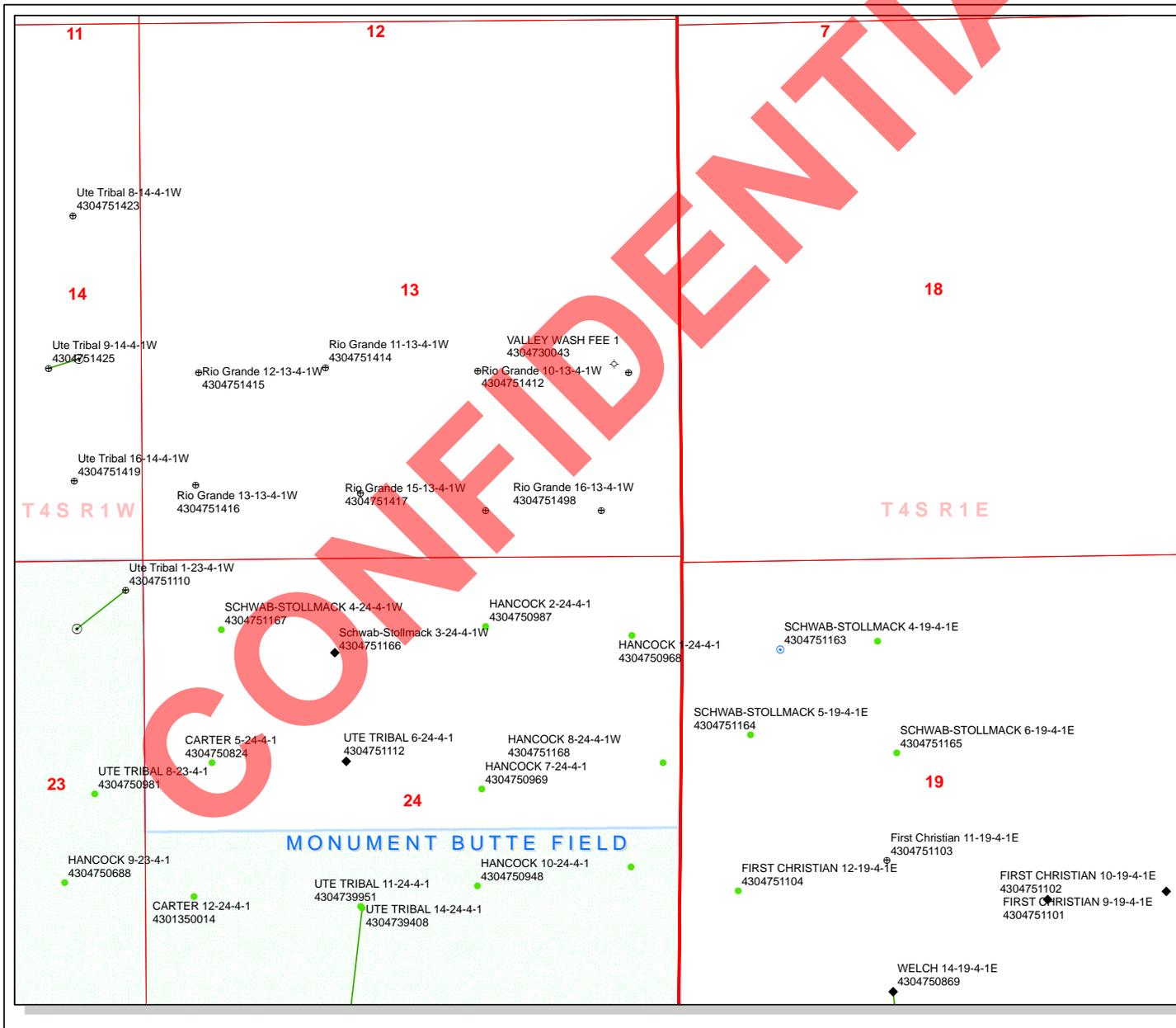


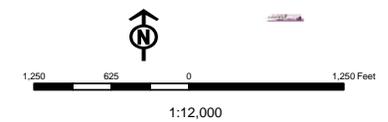
EXHIBIT C



**API Number: 4304751498**  
**Well Name: Rio Grande 16-13-4-1W**  
**Township 04.0 S Range 01.0 W Section 13**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- |  |   |
|--|---|
| <b>Units</b>   | <b>Wells Query</b>  |
| <ul style="list-style-type: none"> <li>ACTIVE</li> <li>EXPLORATORY</li> <li>GAS STORAGE</li> <li>NF PP OIL</li> <li>NF SECONDARY</li> <li>PI OIL</li> <li>PP GAS</li> <li>PP GEOTHERML</li> <li>PP OIL</li> <li>SECONDARY</li> <li>TERMINATED</li> </ul> | <ul style="list-style-type: none"> <li>APD - Approved Permit</li> <li>DRL - Spudded (Drilling Commenced)</li> <li>GIW - Gas Injection</li> <li>GS - Gas Storage</li> <li>LA - Location Abandoned</li> <li>LOC - New Location</li> <li>OPS - Operation Suspended</li> <li>PA - Plugged Abandoned</li> <li>PGW - Producing Gas Well</li> <li>POW - Producing Oil Well</li> <li>RET - Returned APD</li> <li>SGW - Shut-in Gas Well</li> <li>SOW - Shut-in Oil Well</li> <li>TA - Temp. Abandoned</li> <li>TW - Test Well</li> <li>WDW - Water Disposal</li> <li>WIW - Water Injection Well</li> <li>WSW - Water Supply Well</li> </ul> |
| <b>Status</b>  |   |
| <ul style="list-style-type: none"> <li>Unknown</li> <li>ABANDONED</li> <li>ACTIVE</li> <li>COMBINED</li> <li>INACTIVE</li> <li>STORAGE</li> <li>TERMINATED</li> </ul>  |   |
| <ul style="list-style-type: none"> <li>Sections</li> <li>Township</li> </ul>   |   |



Well Name	NEWFIELD PRODUCTION COMPANY Rio Grande 16-13-4-1W			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	500	7265		
Previous Shoe Setting Depth (TVD)	0	500		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	3124	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	216	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	156	YES <input type="checkbox"/> air drill <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	106	YES <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	106	NO <input type="checkbox"/> OK <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		500	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3136	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2264	NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1538	YES <input type="checkbox"/> OK <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1648	NO <input type="checkbox"/> Supplemental justification for area provided <input type="text"/>
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		500	psi *Assumes 1psi/ft frac gradient

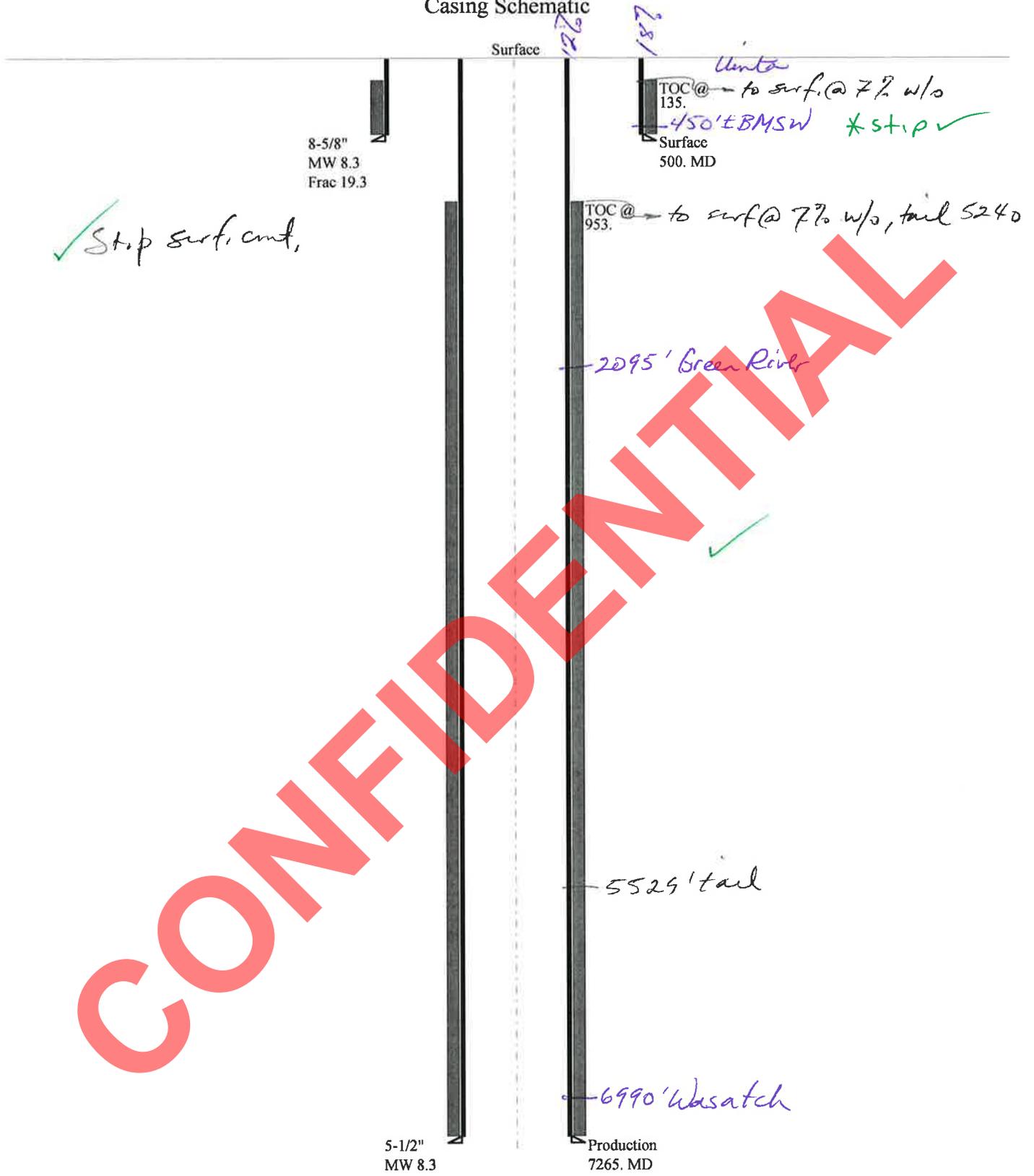
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi

**CONFIDENTIAL**

# 43047514980000 Rio Grande 16-13-4-1W

## Casing Schematic



**CONFIDENTIAL**

Well name:	<b>43047514980000 Rio Grande 16-13-4-1W</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Surface	Project ID: 43-047-51498
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 81 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft  
Cement top: 135 ft

**Burst**

Max anticipated surface pressure: 440 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 437 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,265 ft  
Next mud weight: 8.300 ppg  
Next setting BHP: 3,132 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 500 ft  
Injection pressure: 500 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)	Est. Cost (\$)
1	500	8.625	24.00	J-55	ST&C	500	500	7.972	2574
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	216	1370	6.332	500	2950	5.90	12	244	20.33 J

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

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

Date: April 18, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 500 ft, a mud weight of 8.33 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.

Well name:	<b>43047514980000 Rio Grande 16-13-4-1W</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Production	Project ID: 43-047-51498
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,545 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP: 3,144 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: 1.60 (B)

Tension is based on air weight.  
Neutral point: 6,349 ft

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 176 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft  
  
Cement top: 953 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)	Est. Cost (\$)
1	7265	5.5	15.50	J-55	LT&C	7265	7265	4.825	25653
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	3144	4040	1.285	3144	4810	1.53	112.6	217	1.93 J

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

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

Date: April 18, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7265 ft, a mud weight of 8.33 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.*

# NEWFIELD



April 6, 2011

RECEIVED

APR 06 2011

DIV. OF OIL, GAS & MINING

Dustin Ducet  
 Petroleum Engineer  
 State of Utah, Division of Oil, Gas & Mineral

Helen Sadik-Macdonald  
 Engineering Services  
 State of Utah, Division of Oil, Gas & Mineral

Subject: Surface Casing Setting Depth in Monument Butte Field and Myton Area

Dustin & Helen:

Thank you both for your correspondence over the last few months regarding surface casing depths north of the Greater Monument Butte Super Unit (GMBU). As you know, the State of Utah has requested that Newfield (NFX) increase surface casing depths to 10% of the total well depth in the north part of our field. In some cases, this is more than twice the depth of the standard 300' of surface casing that has been set in the Monument Butte area over the last 25 years. I understand that the majority of your concern stems from NFX stepping out of the GMBU to the north. For that reason, I have attached a map for your review. This map depicts the area to the north of the GMBU in which NFX has drilled over 200 wells in the last 2 years. NFX refers to this area as the "Myton Area" (outlined with bold black line on the attached map). Our geological team has constructed an overlay displaying Upper Wasatch pressure gradients in this area. The overlay shows that the Myton Area is normally pressured with gradients at or below 0.47 psi/ft (9.0 ppg MW). Nearly 250 wells were drilled in this area utilizing 300' to 350' of surface casing in the last 2 years without incident.

NFX is requesting the following standardization of surface casing depths for the GMBU and the Myton Area:

- GMBU:
  - Continue surface casing program per GMBU standard operating procedure (SOP) of 290'
    - 1,900+ wells drilled in the GMBU with surface casing depths averaging 300'
- Myton Development Area:
  - Increase surface casing set depth in the Myton Area from 300' to 500'.
    - 300+ producing wells in Myton Area with surface casing depths averaging 350'

RECEIVED: Apr. 19, 2011

# NEWFIELD



NFX has spent an extraordinary amount of time and money developing Utah's largest oilfield. We have compiled a large amount of data for this area. We feel very confident that 500' of surface casing is sufficient to safely and economically recover this natural resource. Rather than use an arbitrary "rule of thumb" and set surface casing at 10% of total depth, we are asking you to consider our area experience and the over 2,000 data points/wells we have available to us.

The stars on the attached map represent fee/fee wells (see list below) that the State of Utah is holding, pending a decision on surface casing depth. NFX requests that these wells be the first wells to require 500' of surface casing in the Myton Area.

- Rio Grande 9-13-4-1W
- Rio Grande 10-13-4-1W
- Rio Grande 11-13-4-1W
- Rio Grande 12-13-4-1W
- Rio Grande 13-13-4-1W
- Rio Grande 14-13-4-1W
- Rio Grande 15-13-4-1W
- Rio Grande 16-13-4-1W
- Hancock 8-20-4-1
- Wilken 2-23-4-2W
- Hancock 7-13-4-2W

Please feel free to contact me with any question or concerns regarding this request.

Respectfully,

Sean Stevens  
Petroleum Engineer  
Newfield Production Company  
Myton, Utah  
Office: 435-646-4833  
Cell: 435-823-1162  
sstevens@newfield.com





# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Rio Grande 16-13-4-1W  
**API Number** 43047514980000      **APD No** 3444      **Field/Unit** UNDESIGNATED  
**Location: 1/4,1/4** SESE      **Sec** 13      **Tw** 4.0S      **Rng** 1.0W      462 FSL 774 FEL  
**GPS Coord (UTM)**      **Surface Owner** Deveraux

### Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield), Corie Miller (Tri-State Land Surveying) and Gary Deveraux (Land Owner).

### Regional/Local Setting & Topography

The general area is approximately 11.9 road miles southeast of Myton, UT in the wide bottom or valley of Pleasant Valley Wash which drains into the Pariette Draw drainage of Uintah County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats and bottomlands in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. Approximately 778 feet of additional new construction across Deveraux private land will be required to reach the location.

The proposed Rio Grande 16-13-4-1W oil well pad is on a relatively flat area with a rise or hill to another level to the north. The area is not within the area used for agriculture. Maximum cut is 2.6 feet at Location Corner 2 and maximum fill is 3.2 feet at Corner 8. The incised Pleasant Valley Wash drainage is about 1/3 mile to the north. No onsite drainage concerns exist. The selected location should be suitable and stable for constructing the pad, drilling and operating the proposed well.

The Gary Deveraux and Stanley Ira Deveraux and Sony Deveraux Living Trust own the surface of the location and surrounding area.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Recreational  
Wildlife Habitat

#### **New Road Miles**

0.13

#### **Well Pad**

**Width** 204      **Length** 305

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

**Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

The area was covered with about 8 inches of snow but appears to be somewhat barren.. Identified vegetation includes kochia weed, greasewood, shadscale, broom snakeweed, rabbit brush and annual weeds.

Cattle, deer, small mammals and birds.

**Soil Type and Characteristics**

Deep sandy clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** Y

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	25 to 75	15
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	30

1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit will be 40' x 80' x 8' deep located 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?** **Liner Thickness** 16 **Pit Underlayment Required?** Y

**Other Observations / Comments**

Floyd Bartlett  
Evaluator

3/1/2011  
Date / Time

# Application for Permit to Drill

## Statement of Basis

4/21/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
3444	43047514980000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Deveraux	
<b>Well Name</b>	Rio Grande 16-13-4-1W		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>	DRILL	
<b>Location</b>	SESE 13 4S 1W U 462 FSL 774 FEL	GPS Coord (UTM)	590528E	4442405N	

### Geologic Statement of Basis

Newfield proposes to set 350' 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 450'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 13. 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 an interconnected, high volume source of useable ground water. The surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill  
APD Evaluator

3/10/2011  
Date / Time

### Surface Statement of Basis

The general area is approximately 11.9 road miles southeast of Myton, UT in the wide bottom or valley of Pleasant Valley Wash which drains into the Pariette Draw drainage of Uintah County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats and bottomlands in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. Approximately 778 feet of additional new construction across Deveraux private land will be required to reach the location.

The proposed Rio Grande 16-13-4-1W oil well pad is on a relatively flat area with a rise or hill to another level to the north. The area is not within the area used for agriculture. . Maximum cut is 2.6 feet at Location Corner 2 and maximum fill is 3.2 feet at Corner 8. The incised Pleasant Valley Wash drainage is about 1/3 mile to the north. No onsite drainage concerns exist. The selected location should be suitable and stable for constructing the pad, drilling and operating the proposed well.

The Gary Deveraux and Stanley Ira Deveraux and Sony Deveraux Living Trust own the surface of the location and surrounding area. A surface use agreement has been signed. Gary Deveraux attended the pre-site evaluation and had no concerns with the proposal. The minerals are owned by another party and under lease to Newfield Exploration.

Floyd Bartlett  
Onsite Evaluator

3/1/2011  
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 well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 1/24/2011

**API NO. ASSIGNED:** 43047514980000

**WELL NAME:** Rio Grande 16-13-4-1W

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** SESE 13 040S 010W

**Permit Tech Review:**

**SURFACE:** 0462 FSL 0774 FEL

**Engineering Review:**

**BOTTOM:** 0462 FSL 0774 FEL

**Geology Review:**

**COUNTY:** UINTAH

**LATITUDE:** 40.12900

**LONGITUDE:** -109.93749

**UTM SURF EASTINGS:** 590528.00

**NORTHINGS:** 4442405.00

**FIELD NAME:** UNDESIGNATED

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** Fee

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: STATE/FEE - B001834
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

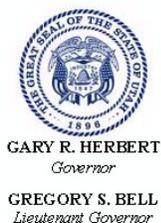
**Commingling Approved**

**LOCATION AND SITING:**

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-2
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald



**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

**Division of Oil, Gas and Mining**

JOHN R. BAZA  
*Division Director*

**Permit To Drill**

\*\*\*\*\*

**Well Name:** Rio Grande 16-13-4-1W  
**API Well Number:** 43047514980000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 4/21/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**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.

**Conditions of Approval:**

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.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

**Additional Approvals:**

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

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

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

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

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

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

**CONFIDENTIAL**

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 21 Submitted By  
Branden Arnold Phone Number 435-401-0223  
Well Name/Number RG 16-13-4-1W  
Qtr/Qtr SE/SE Section 13 Township 4S Range 1W  
Lease Serial Number FEE  
API Number 43-047-51498

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/23/11      9:00 AM  PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 6/23/11      5:00 AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

Remarks \_\_\_\_\_

---

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

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.

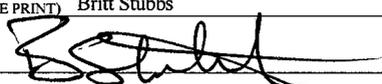
1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0462 FSL 0774 FEL		8. WELL NAME and NUMBER: RIO GRANDE 16-13-4-1W
OTR/OTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE, 13, T4S, R1W		9. API NUMBER: 4304751498
		10. FIELD AND POOL, OR WILDCAT: MYTON-TRIBAL EDA
		COUNTY: UINTAH
		STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
06/29/2011	<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 6/24/11 MIRU Ross #21. Spud well @9:00 AM. Drill 530' of 12 1/4" hole with air mist. TIH W/ 12 Jt's 8 5/8" J-55 24# csgn. Set @ 531.43. On 6/29/11 cement with 250 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 7 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Britt Stubbs	TITLE Spud Rig Foreman
SIGNATURE 	DATE 06/29/2011

(This space for State use only)

RECEIVED  
JUL 06 2011  
DIV. OF OIL, GAS & MINING





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

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

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	18/30	4304751498	RIO GRANDE 16-13-4-1W	SESE	13	4S	1W	UINTAH	6/24/2011	7/21/11
WELL 1 COMMENTS: GRRV <span style="float: right; font-size: 2em; font-weight: bold;">CONFIDENTIAL</span>											
B	99999	17400 ✓	4301350656	GMBU P-32-8-17	SWSW	32	8S	17E	DUCHESNE	6/23/2011	7/21/11
GRRV <span style="float: right;">BHL = SWSW</span>											
B	99999	17400 ✓	4301350494	GMBU K-17-9-17	NWSW	16 11	9S	17E	DUCHESNE	6/30/2011	7/21/11
GRRV <span style="float: right;">BHL = Sec 17 SENE</span>											
B	99999	17400 ✓	4301350471	GMBU O-11-9-16	NESE	10 11	9S	16E	DUCHESNE	6/29/2011	7/21/11
GRRV <span style="float: right;">BHL = Sec 11 NWSW</span>											
B	99999	17400 ✓	4301350543	GMBU Y-11-9-16	SESE	10 11	9S	16E	DUCHESNE	6/27/2011	7/21/11
GRRV <span style="float: right;">BHL = Sec 11 SWSW</span>											
B	99999	17400 ✓	4301350499	GMBU G-18-9-17	SWNW	18	9S	17E	DUCHESNE	7/5/2011	7/21/11
GRRV <span style="float: right;">BHL = NENW</span>											

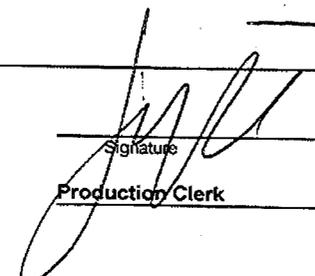
ACTION CODES (See instructions on back of form)

- 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 07 2011

DIV. OF OIL, GAS & MINING

  
 Signature \_\_\_\_\_ Jentri Park  
 Production Clerk  
 07/07/11

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RIO GRANDE 16-13-4-1W	
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047514980000	
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0462 FSL 0774 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 13 Township: 04.0S Range: 01.0W Meridian: U	<b>COUNTY:</b> UINTAH	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/29/2011	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text" value="Weekly Status Report"/>
<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 above well was completed on 07/29/2011. Attached is a daily completion status report.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/12/2011	

## Daily Activity Report

### Format For Sundry

### RIO GRANDE 16-13-4-1W

5/1/2011 To 9/30/2011

7/15/2011 Day: 1

Completion

Rigless on 7/15/2011 - Test casing. CBL/Perferate 1st stage. - RU Cameron BOP's. RU Hot Oiler & test casing, wellhead w/ valves & BOP's to 4500 psi. RU Perforators LLC WLT, crane & lubricator. Run CBL under pressure. WLTD was 7021' w/ cement top @ 320'. RIH w/ 3-1/8" Port Guns & perferate Wstch sand w/ 3 spf for total of 24 shots. SIFN w/ 167 bbls EWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$21,395

7/23/2011 Day: 2

Completion

Rigless on 7/23/2011 - Perforate frac & flowback well as detailed. - Perforate & frac 5 stages as detailed. 2373 BWTR. Open well for immediate flowback @ approx 3 BPM. Well flowed for 5 hours & died. Recovered 720 BW. SWIFN. 1653 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$135,455

7/27/2011 Day: 3

Completion

Nabors #147 on 7/27/2011 - MIRUSU. Set kill plug. PU 50- jts tbg. - MIRUSU. RU WLT. Set kill plug @ 4710'. Bled pressure off well. ND frac BOPs. NU BOPs. Talley & PU 4 3/4" chomp bit, bit sub & 50- jts tbg. SWIFN. - MIRUSU. RU WLT. Set kill plug @ 4710'. Bled pressure off well. ND frac BOPs. NU BOPs. Talley & PU 4 3/4" chomp bit, bit sub & 50- jts tbg. SWIFN. - Check pressure on well, 170 psi csg & 50 psi tbg. Pump 10 BW down tbg. Continue PU tbg & tag kill plug @ 4710'. RU drill equipment. Drill out plug in 20 min. Continue PU tbg & tag plug. Drill out plug in 20 min. Continue PU tbg & tag plug. Drill out plug in 30 min. Blew hose on PS. Wait for new PS. RU PS. Tag plug & drill out in 25 min. Continue PU tbg & tag plug. Drill out plug in 20 min. Continue PU tbg & tag fill @ 7015'. Clean out to PBSD @ 7050'. Circulate well clean. RU drill equipment. SWIFN. 1653 BWTR. - Check pressure on well, 170 psi csg & 50 psi tbg. Pump 10 BW down tbg. Continue PU tbg & tag kill plug @ 4710'. RU drill equipment. Drill out plug in 20 min. Continue PU tbg & tag plug. Drill out plug in 20 min. Continue PU tbg & tag plug. Drill out plug in 30 min. Blew hose on PS. Wait for new PS. RU PS. Tag plug & drill out in 25 min. Continue PU tbg & tag plug. Drill out plug in 20 min. Continue PU tbg & tag fill @ 7015'. Clean out to PBSD @ 7050'. Circulate well clean. RU drill equipment. SWIFN. 1653 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$145,893

7/28/2011 Day: 5

Completion

Nabors #147 on 7/28/2011 - Swab for clean up & round trip tbg. - Check pressure on well, 200 psi tbg & csg. Tbg flowed 20 bbls. RU swab equipment. Made 16 swab runs w/ SFL @ surface & EFL @ 2300'. Recovered 140 bbls. RD swab equipment. TIH & tag PBSD @ 7050'. Circulate well clean. LD 7- jts tbg. TOH w/ tbg & LD BHA. TIH w/ production tbg. RD rig floor. ND BOPs. Set TA w/ 18,000#s tension. NU wellhead. X-over for rods. SWIFN. 1493 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$159,511

**RECEIVED** Aug. 12, 2011

---

**7/29/2011 Day: 6****Completion**

Nabors #147 on 7/29/2011 - PU rods & PWOP - Check pressure on well, 200 psi tbg & csg. Pump 30 BW down tbg. PU & prime Central Hydraulic 2 1/2" X 1 1/2" X 20' X 24' RHAC rod pump. PU rods as detailed. Fill tbg w/ 5 BW & stroke test pump w/ rig to 800 psi. RU pumping unit. RDMOSU. PWOP @ 2:30 PM w/ 120" SL & 5 SPM. 1498 BWTR. **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$247,258

---

**Pertinent Files:** [Go to File List](#)**RECEIVED** Aug. 12, 2011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
**FEE**

a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
 Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
**NEWFIELD EXPLORATION COMPANY**

8. Lease Name and Well No.  
**RIO GRANDE 16-13-4-1W**

3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 80202

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

9. AFI Well No.  
43-047-51498

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 462' FSL & 774' FEL (SE/SE) SEC. 13, T4S, R1W

At top prod. interval reported below

At total depth 7111'

10. Field and Pool or Exploratory  
**MYTON-TRIBAL EDA**

11. Sec., T., R., M., on Block and Survey or Area  
SEC. 13, T4S, R1W

12. County or Parish  
**UINTAH**

13. State  
**UT**

14. Date Spudded  
06/24/2011

15. Date T.D. Reached  
07/08/2011

16. Date Completed 07/28/2011  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
4946' GL 4958' KB

18. Total Depth: MD 7111'  
TVD

19. Plug Back T.D.: MD 7050'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	530'		250 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	7096'		320 PRIMLITE		320'	
						420 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6850'	TA @ 6683'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch	6901'	7008'	4765-7008'	.36"	114	
B) Green River	4765'	6418'				
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4765-7008'	Frac w/ 165247#s 20/40 brown sand in 1533 bbls of Lightning 17 fluid in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/29/11	8/10/11	24	→	53	12	25			2-1/2" x 1-1/2" x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

**RECEIVED**  
**SEP 14 2011**

\*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH GREEN RIVER	6901'	7008'		GARDEN GULCH MRK	4508'
	4765'	6418'		GARDEN GULCH 1	4696'
				GARDEN GULCH 2	4818'
				POINT 3	5111'
				X MRKR	5334'
				Y MRKR	5369'
				DOUGLAS CREEK MRK	5512'
				BI CARBONATE MRK	5822'
				B LIMESTONE MRK	5937'
				CASTLE PEAK	6339'
				BASAL CARBONATE	6710'
				WASATCH	6836'

32. Additional remarks (include plugging procedure):

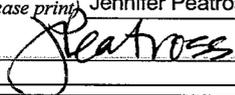
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
 Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jennifer Peatross

Title Production Technician

Signature 

Date 08/30/2011

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

## Daily Activity Report

Format For Sundry

**RIO GRANDE 16-13-4-1W**

4/1/2011 To 8/30/2011

**RIO GRANDE 16-13-4-1W**

**Waiting on Cement**

**Date:** 6/29/2011

Ross #21 at 530. Days Since Spud - 530.42'KB. On 6/29/11 cement w/BJ w/250 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - On 6/24/11 Ross #21 spud and drilled 530' of 12 1/4" hole, P/U and run 12 jts of 8 5/8" casing set - yield. Returned 7bbls to pit, bump plug to 448psi, BLM and State were notified of spud via email.

**Daily Cost:** \$0

**Cumulative Cost:** \$133,564

**RIO GRANDE 16-13-4-1W**

**Rigging Up**

**Date:** 7/4/2011

Capstar #328 at 1067. 1 Days Since Spud - TIH TAG CEMENT @ 471' - M/U BIT AND DIR TOOLS P/U BHA - RIG UP AND TEST BOP'S ACCEPT RIG @ 18:00 HOURS - MIRU - SLIP & CUT 225' OF DRILL LINE0100 - DRILL CEMENT F/ 471 - 531' - DRILL 7 7/8" HOLE FROM 531' - - RIG UP FLARE LINES

**Daily Cost:** \$0

**Cumulative Cost:** \$208,420

**RIO GRANDE 16-13-4-1W**

**Rig Repair**

**Date:** 7/5/2011

Capstar #328 at 3612. 2 Days Since Spud - DRILL F/ 2786 - 3612' WOB 13, RPM 60, PP 1077, GPM 404 - SERVICE RIG - DRILL F/ 1067' - 2786' WOB 13, RPM 60, PP 1077, GPM 404 - REPAIR TOP DRIVE ( WAITING ON TOP DRIVE PARTS )

**Daily Cost:** \$0

**Cumulative Cost:** \$221,870

**RIO GRANDE 16-13-4-1W**

**Drill 7 7/8" hole with fresh water**

**Date:** 7/6/2011

Capstar #328 at 4417. 3 Days Since Spud - WORK ON TOP DRIVE - DRILL 7 7/8" HOLE F 3612' - 4417' - RIH 20 JTS OF PIPE

**Daily Cost:** \$0

**Cumulative Cost:** \$234,432

**RIO GRANDE 16-13-4-1W**

**Running casing**

**Date:** 7/7/2011

Capstar #328 at 6546. 4 Days Since Spud - DRILL 5458 - 5594' WOB 20 RPM 61 PP 1630 GPM 404 - CHANGE HYDRAULIC HOSE - DRILL F/ 4417' - 5458 WOB 20 RPM 61 PP 1630 GPM 404 - SERVICE RIG W/ CAT MECHANIC - DRILL FROM 5594 - 6546 WOB 20 RPM 61 PP 1630 GPM 404

**Daily Cost:** \$0

**Cumulative Cost:** \$253,922

**RIO GRANDE 16-13-4-1W**

**Running casing**

**Date:** 7/8/2011

Capstar #328 at 7111. 5 Days Since Spud - RUN WIRELINE LOGS - RIG UP WIRELINE - POOH

LAY DOWN PIPW - FLOW CHECK - CIRC HOLE CLEAN - DRILL TO TD @ 7111' - RIG & RUN  
PRODUCTION CASING.

**Daily Cost:** \$0

**Cumulative Cost:** \$372,080

---

**RIO GRANDE 16-13-4-1W**

**Running casing**

**Date:** 7/9/2011

Capstar #328 at 7111. 6 Days Since Spud - CIRC HOLD PJSM WITH BJ & CREW - CEMENT AS  
PER PROGRAM - RIG DOWN CLEAN TANKS, RELEASE RIG @ 18:00 - RUN 165jts + 1 mandril  
of 5.5" PRODUCTION CASING transferred 10 jts + 1 landing jt to RG 11-13-4-1W **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$423,862

---

**Pertinent Files: Go to File List**

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

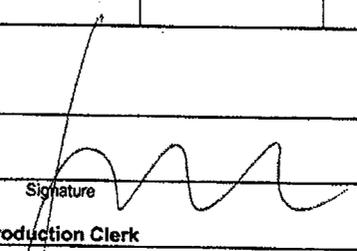
OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
 ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
E	18065	18065	4304751299	UTE TRIBAL 7-14-4-1E	SWNE	14	4S	1E	UINTAH	5/17/2011	7/7/11
WELL 1 COMMENTS: CHANGE TO GR-WS FORMATION											
9/27/11											
E	18120	18120	4304751498	RIO GRANDE 16-13-4-1W	SESE	13	4S	1W	UINTAH	6/23/2011	7/28/11
CHANGE TO GR-WS FORMATION											
<b>CONFIDENTIAL</b> 9/27/11											

- ACTION CODES (See instructions on back of form)  
 A - 1 new entity for new well (single well only)  
 B - 1 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)

**RECEIVED**  
**SEP 27 2011**

Signature  Jentri Park  
 Production Clerk **09/27/11**

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

DIV. OF OIL, GAS & MINING