

**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> Close 12-16-4-1W				
<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> Basin Land & Farm LLC						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 380 E Main Street, Midway, UT 84049						<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 type="checkbox"/> DIRECTIONAL <input checked="" 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		1540 FSL 1123 FWL		NWSW	16	4.0 S	1.0 W	U		
Top of Uppermost Producing Zone		1725 FSL 921 FWL		NWSW	16	4.0 S	1.0 W	U		
At Total Depth		1981 FSL 660 FWL		NWSW	16	4.0 S	1.0 W	U		
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 660			<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> 1322			<b>26. PROPOSED DEPTH</b> MD: 7336 TVD: 7305				
<b>27. ELEVATION - GROUND LEVEL</b> 5083			<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>
<b>SURF</b>	12.25	8.625	0 - 500	24.0	J-55 ST&C	8.3	Class G	229	1.17	15.8
<b>PROD</b>	7.875	5.5	0 - 7336	15.5	J-55 LT&C	8.3	Premium Lite High Strength	369	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 checked="" 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> 07/26/2011				<b>EMAIL</b> mcrozier@newfield.com		
<b>API NUMBER ASSIGNED</b> 43013508950000				<b>APPROVAL</b>				 Permit Manager		

NEWFIELD PRODUCTION COMPANY  
 CLOSE 12-16-4-1W  
 NW/SW SECTION 16, T4S, R1W  
 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' – 1,995'
Green River	1,995'
Wasatch	7,025'
<b>Proposed TD</b>	<b>7,336'</b>

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

Green River Formation (Oil)	1,995' – 7,025'
-----------------------------	-----------------

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: Close 12-16-4-1W**

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'	7,336'	15.5	J-55	LTC	4,810 2.06	4,040 1.73	217,000 1.91

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: Close 12-16-4-1W**

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	5,336'	Prem Lite II w/ 10% gel + 3% KCl	369 1202	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  $\pm 500$  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.

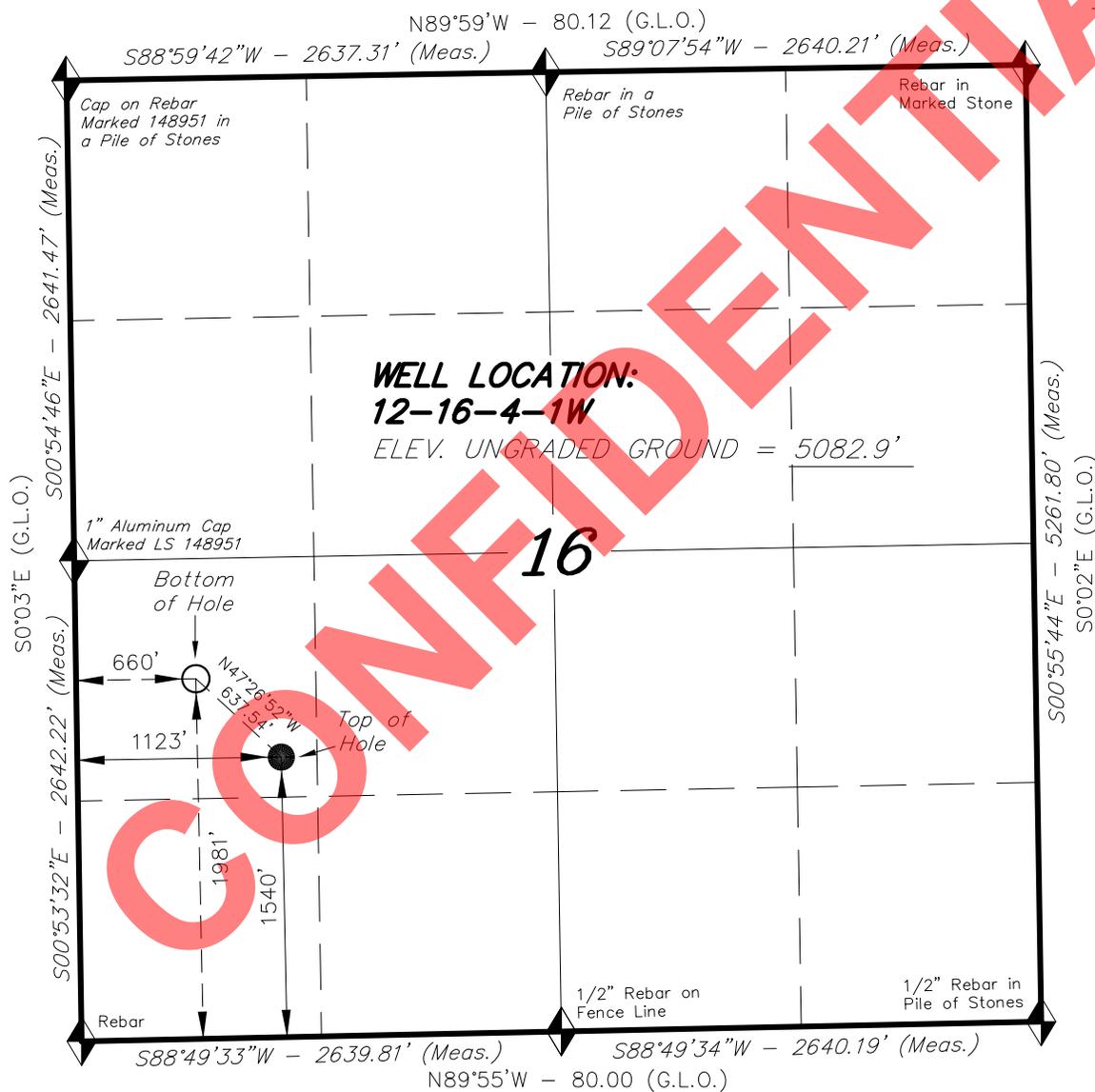
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

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

**CONFIDENTIAL**

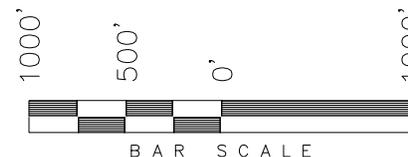
**T4S, R1W, U.S.B.&M.**

**NEWFIELD EXPLORATION COMPANY**



WELL LOCATION, 12-16-4-1W, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 16, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 12-16-4-1W, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 16, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



**NOTES:**

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

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.

REGISTERED LAND SURVEYOR  
 08-04-11  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

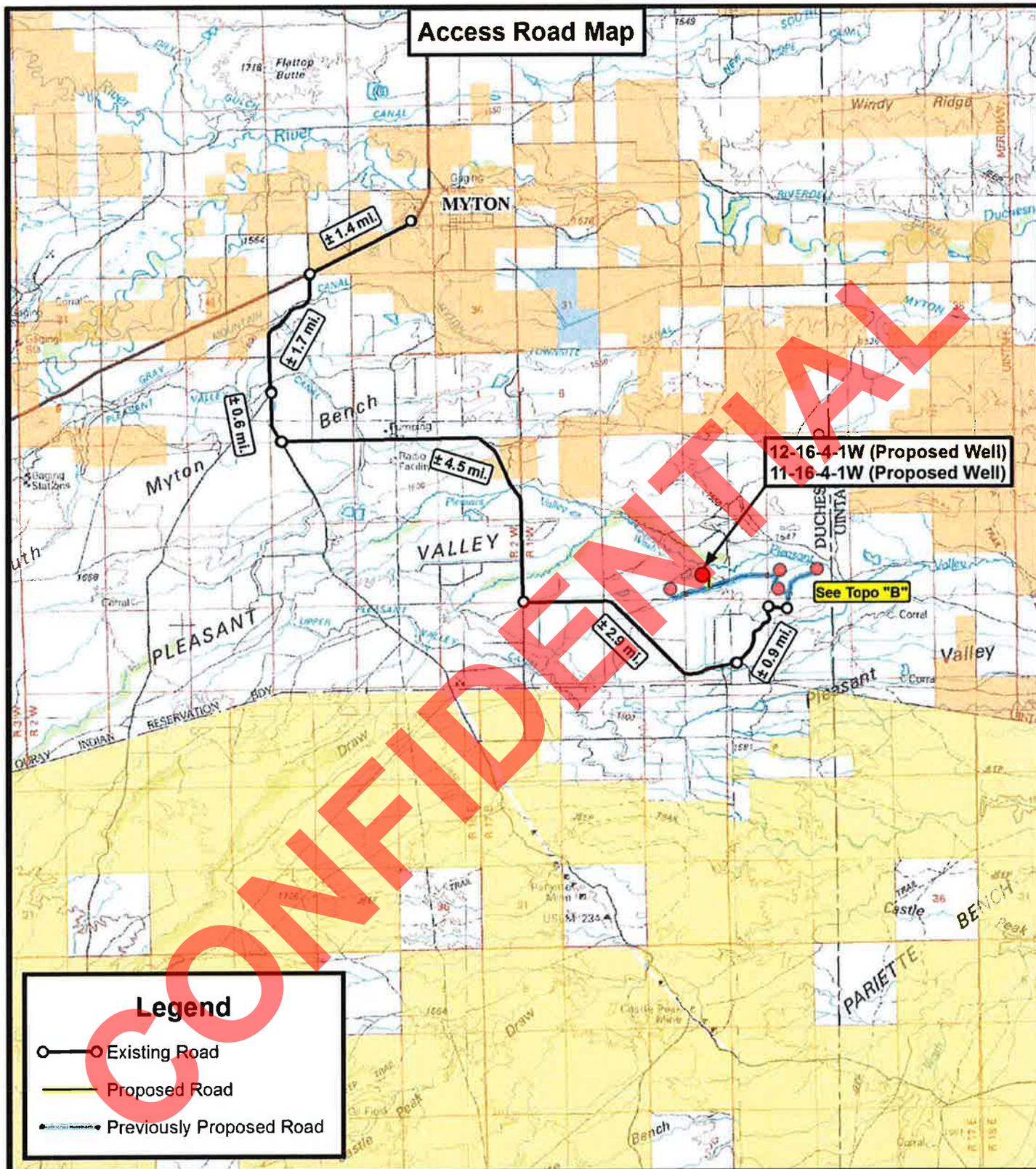
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT.  $40^{\circ}04'09.56''$  LONG.  $110^{\circ}00'43.28''$  (Tristate Aluminum Cap) Elev. 5281.57'

**12-16-4-1W**  
 (Surface Location) NAD 83  
 LATITUDE =  $40^{\circ}07'55.29''$   
 LONGITUDE =  $110^{\circ}00'24.77''$

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

DATE SURVEYED: 06-13-11	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 07-21-11	DRAWN BY: M.W.	V2
REVISED: 08-04-11 - M.W.	SCALE: 1" = 1000'	



**Legend**

- Existing Road
- Proposed Road
- Previously Proposed Road

**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: 08-18-11 CHM.	VERSION: V3
DATE: 06-15-2011		
SCALE: 1:100,000		

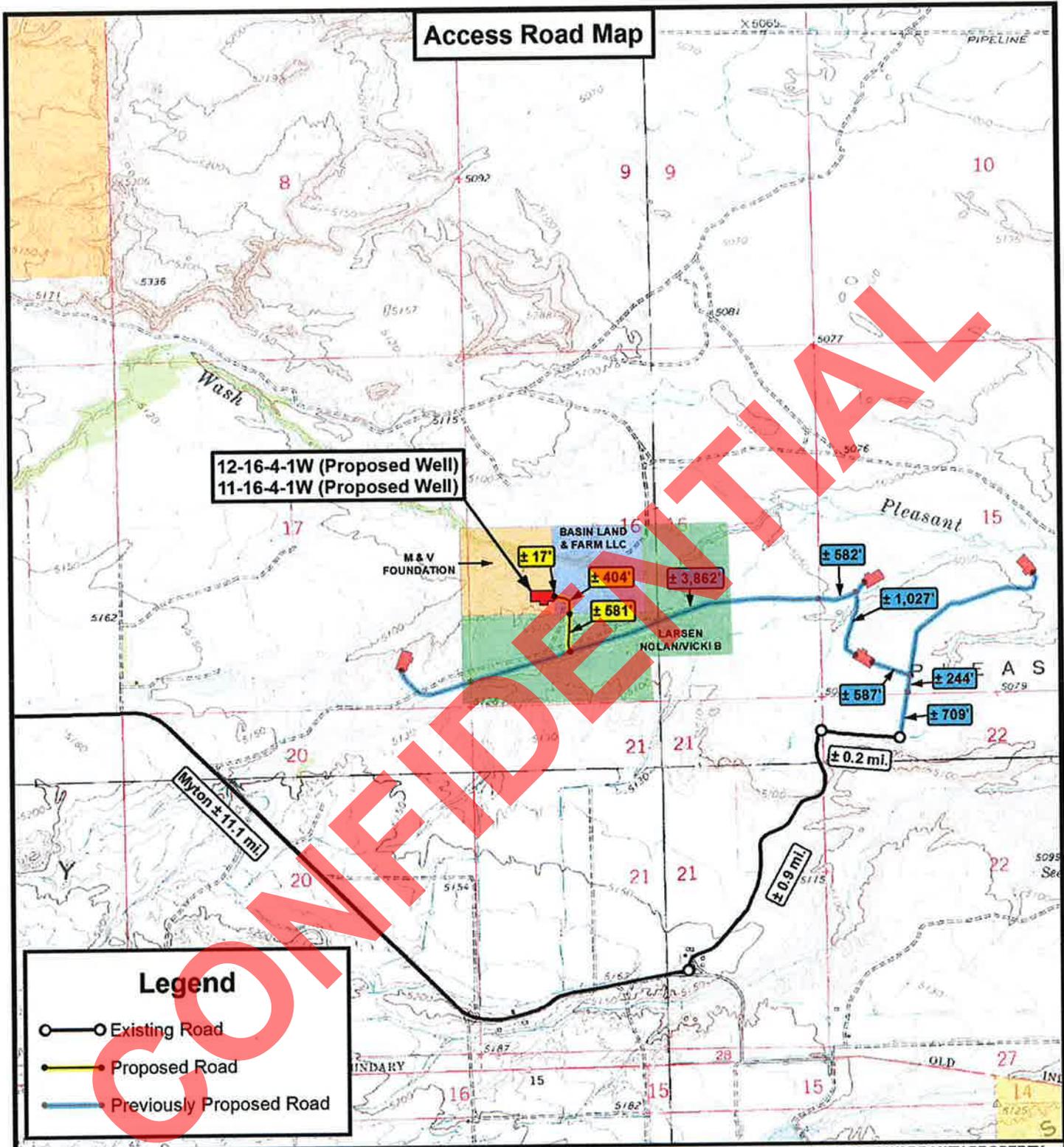


**NEWFIELD EXPLORATION COMPANY**

12-16-4-1W (Proposed Well)  
 11-16-4-1W (Proposed Well)  
 SEC. 16, T4S, R1W, U.S.B.&M.  
 Duchesne County, UT.

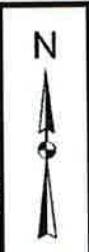
**TOPOGRAPHIC MAP**

SHEET **A**



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.**  
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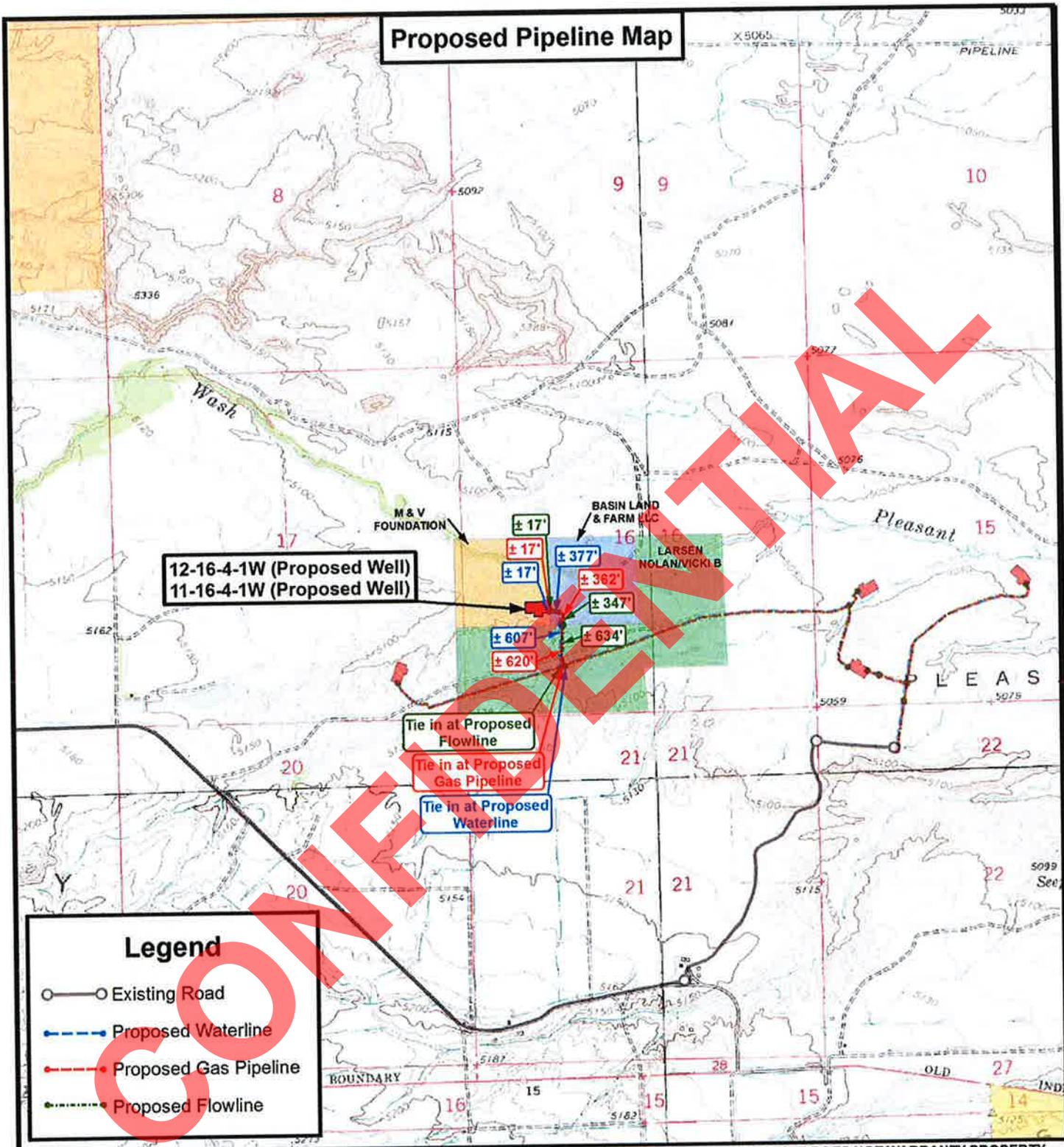


**NEWFIELD EXPLORATION COMPANY**  
 12-16-4-1W (Proposed Well)  
 11-16-4-1W (Proposed Well)  
 SEC. 16, T4S, R1W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	08-18-11 CHM.	VERSION:
DATE:	06-15-2011			<b>V3</b>
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**B**



12-16-4-1W (Proposed Well)  
11-16-4-1W (Proposed Well)

±17'  
±17'  
±17'  
±377'  
±362'  
±347'  
±607'  
±620'

Tie in at Proposed Flowline  
Tie in at Proposed Gas Pipeline  
Tie in at Proposed Waterline

**Legend**

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

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

P: (435) 781-2501  
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DRAWN BY:	C.H.M.	REVISED:	08-18-11 CHM.	VERSION:
DATE:	06-15-2011			V3
SCALE:	1" = 2,000'			

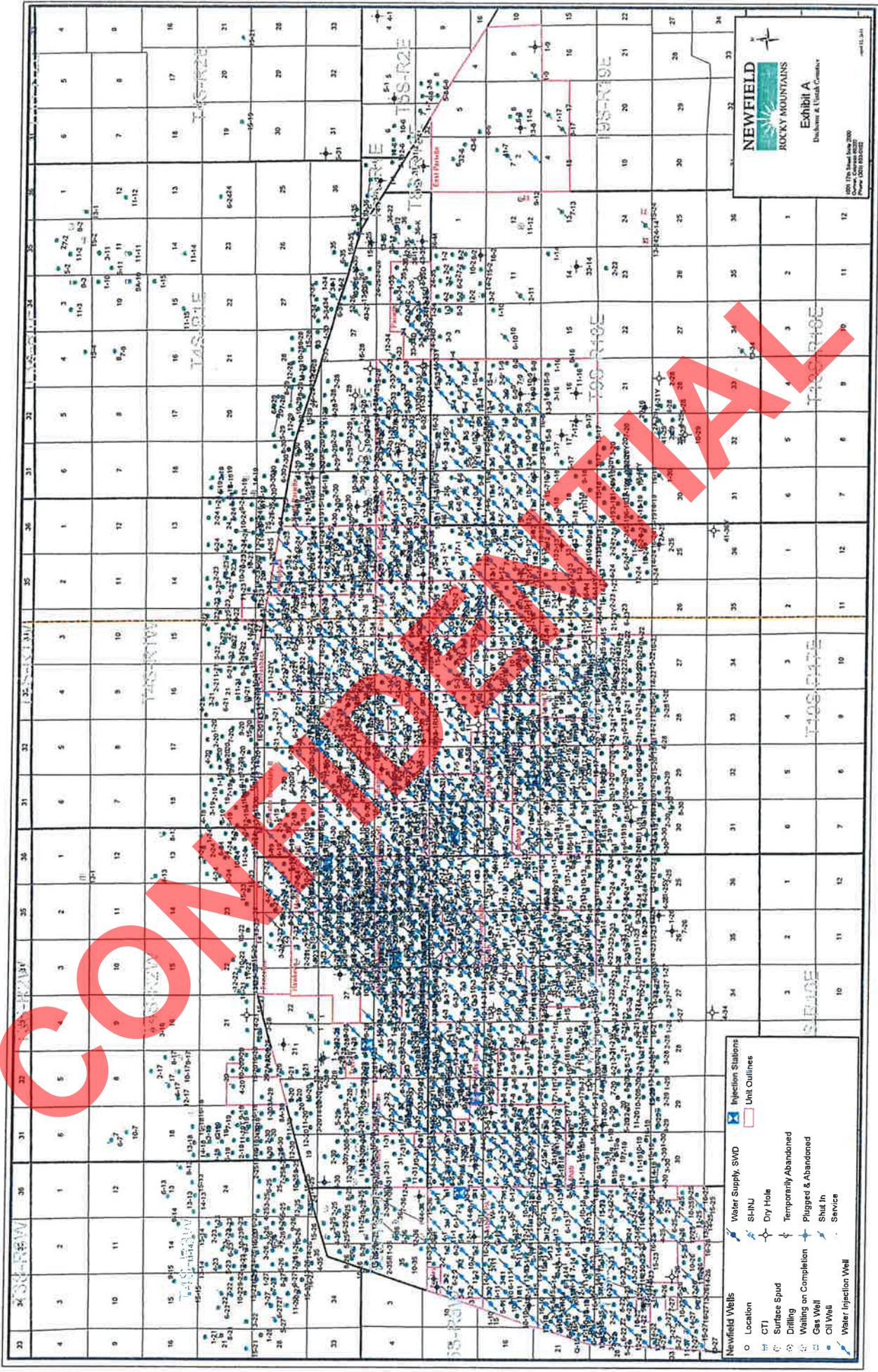


**NEWFIELD EXPLORATION COMPANY**

12-16-4-1W (Proposed Well)  
11-16-4-1W (Proposed Well)  
SEC. 16, T4S, R1W, U.S.B.&M.  
Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **C**

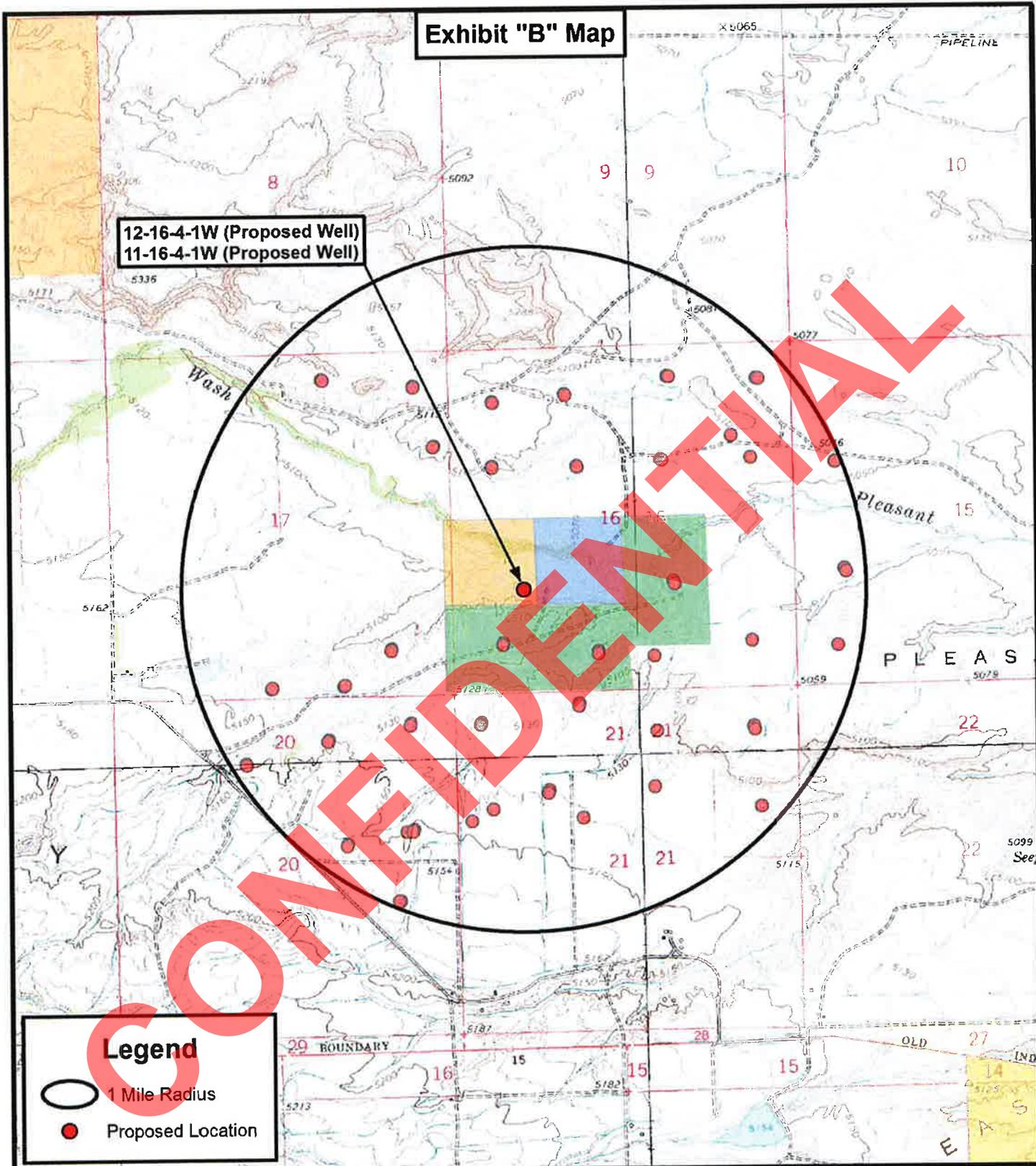


**NEWFIELD**  
ROCKY MOUNTAINS  
Exhibit A  
Dickinson & Utah Counties  
April 17th, 2009  
Page 001 of 002

- Newfield Wells**
- Location
  - CTI
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Gas Well
  - Oil Well
  - Water Injection Well
- Water Supply SWD**
- SHNU
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
  - Service
- Injection Stations**
- Unit Outlines

**Exhibit "B" Map**

**12-16-4-1W (Proposed Well)**  
**11-16-4-1W (Proposed Well)**



**Legend**

- 1 Mile Radius
- Proposed Location



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**NEWFIELD EXPLORATION COMPANY**

12-16-4-1W (Proposed Well)  
11-16-4-1W (Proposed Well)  
SEC. 16, T4S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	08-18-11 CHM.	VERSION:
DATE:	06-15-2011			<b>V3</b>
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**D**

**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT**

Roxann Eveland personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Roxann Eveland. I am a Landman for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Close 12-16-4-1 well, located in the NWSW of Section 16, Township 4 South, Range 1 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Basin Land & Farm, LLC, whose address is 380 E Main St., Midway, UT 84049 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated June 21, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

*Roxann Eveland*

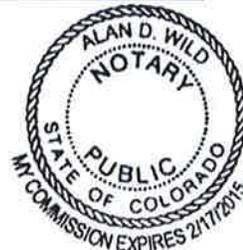
ACKNOWLEDGEMENT

STATE OF COLORADO           §  
  §  
COUNTY OF DENVER           §

Before me, a Notary Public, in and for the State, on this 7<sup>th</sup> day of July, 2011, personally appeared ROXANN EVELAND, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

*[Signature]*  
NOTARY PUBLIC

My Commission Expires:



NEWFIELD PRODUCTION COMPANY  
CLOSE 12-16-4-1W  
NW/SW SECTION 16, T4S, R1W  
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Close 12-16-4-1W located in the NW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> Section 16, T4S, R1W, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southerly – 2.3 miles ± to it's junction with an existing road to the east; proceed easterly and then southerly - 4.5 miles ± to it's junction with an existing road to the east; proceed in a southeasterly direction – 2.9 miles ± to it's junction with an existing road to the northeast; proceed in a northeasterly direction – 0.9 miles ± to it's junction with an existing road to the east; proceed in a easterly direction – 0.2 miles ± to it's junction with the beginning of the proposed access road to the north; proceed northeasterly along the proposed access road - 953' ±; turn and proceed along the proposed access road in a northwesterly direction – 1,614' ±; turn and proceed along the proposed access road in a southwesterly direction – 4,444' ±; turn and proceed along the proposed access road in a northerly and then westerly direction – 1,002' ± 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 1,002' of access road is proposed for the Close 12-16-4-1W. 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 : 43-10136

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 Uintah 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: Basin Land & Farm LLC.**

See attached Affidavit of Easement, Right of Way, and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 1,002' of planned access road to be granted. Refer to **Topographic Map "B"**. Newfield Production Company requests 999' of surface gas line to be granted. Newfield Production Company requests 1,001' 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.

**Surface Flow Line**

Newfield requests 998' 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.

Termination and Final Reclamation: After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

- 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.

#### **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 Close 12-16-4-1W, 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 Close 12-16-4-1W 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 #12-16-4-1W, NW/SW Section 16, T4S, R1W, 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 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.

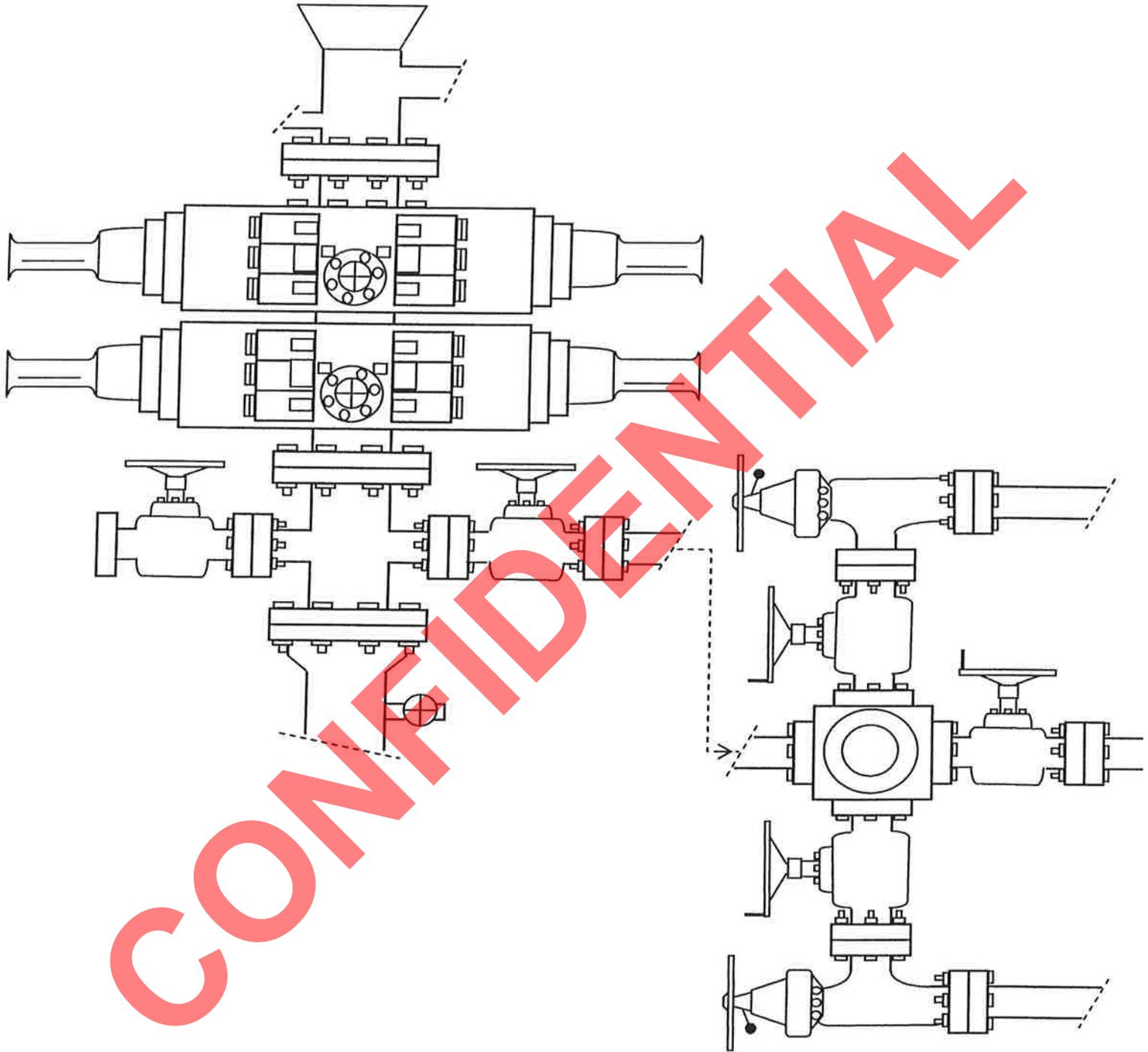
9/12/11  
Date

\_\_\_\_\_  
Mandie Crozier  
Regulatory Analyst  
Newfield Production Company

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## 2-M SYSTEM

Blowout Prevention Equipment Systems



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EXHIBIT C

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

12-16-4-1W (Proposed Well)

11-16-4-1W (Proposed Well)

Pad Location: NWSW Section 16, T4S, R1W, U.S.B.&M.

### TOP HOLE FOOTAGES

12-16-4-1W (PROPOSED)

1540' FSL & 1123' FWL

11-16-4-1W (PROPOSED)

1555' FSL & 1137' FWL

1/16 Section Line

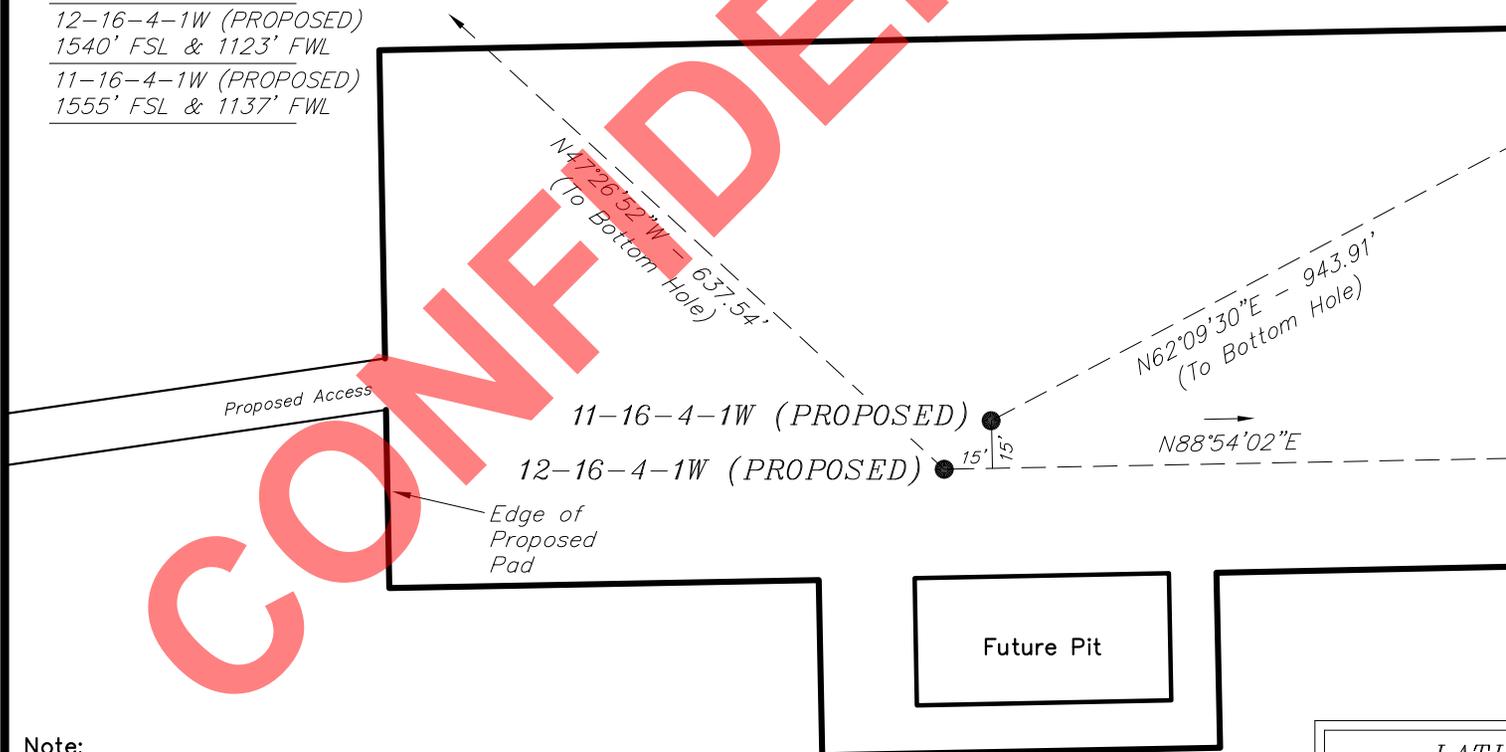
### BOTTOM HOLE FOOTAGES

12-16-4-1W (PROPOSED)

1981' FSL & 660' FWL

11-16-4-1W (PROPOSED)

1978' FSL & 1979' FWL



**Note:**

Bearings are based on GPS Observations.

### RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
12-16-4-1W	431'	-470'
11-16-4-1W	441'	835'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
12-16-4-1W	40° 07' 55.29"	110° 00' 24.77"
11-16-4-1W	40° 07' 55.43"	110° 00' 24.58"

SURVEYED BY: S.V.	DATE SURVEYED: 06-13-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-21-11	V2
SCALE: 1" = 60'	REVISED: M.W. - 08-04-11	

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

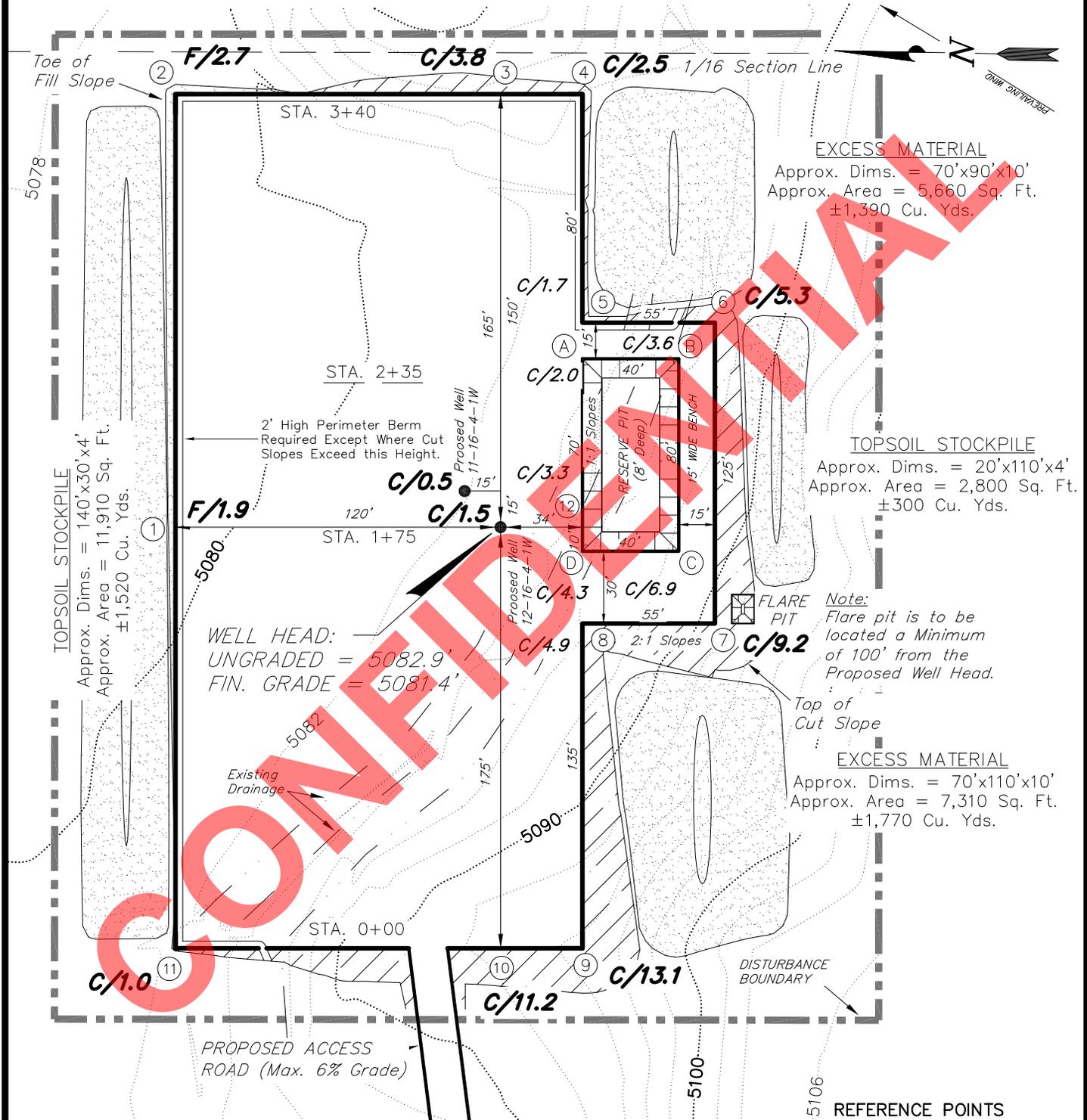
# NEWFIELD EXPLORATION COMPANY

## PROPOSED LOCATION LAYOUT

12-16-4-1W (Proposed Well)

11-16-4-1W (Proposed Well)

Pad Location: NWSW Section 16, T4S, R1W, U.S.B.&M.



NOTE:  
The topsoil & excess material areas are calculated as being mounds containing 4,980 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:  
Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

Note:  
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

REFERENCE POINTS  
185' NORTHERLY - 5078.8'  
253' NORTHERLY - 5078.9'  
230' EASTERLY - 5090.7'  
280' EASTERLY - 5085.9'

SURVEYED BY: S.V.	DATE SURVEYED: 06-13-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-21-11	V2
SCALE: 1" = 60'	REVISED: M.W. - 07-29-11	

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

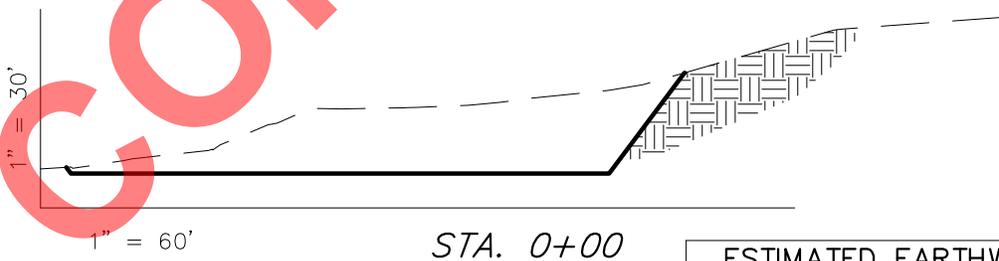
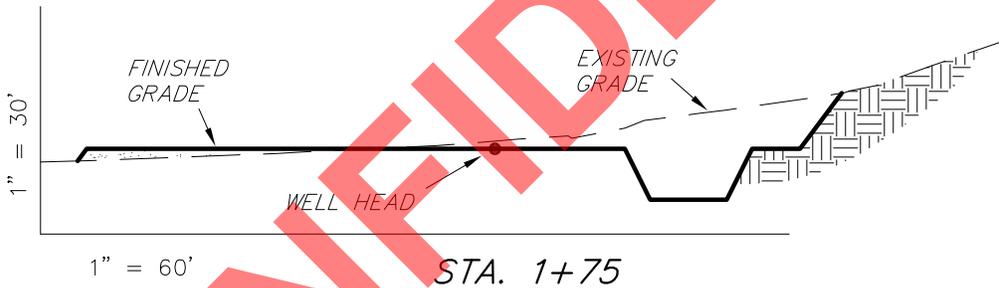
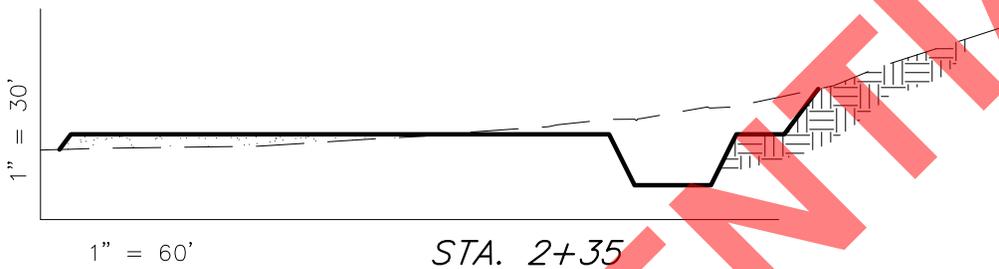
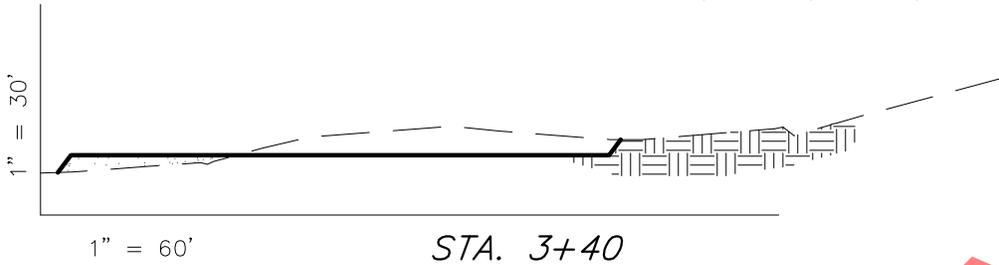
# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

**12-16-4-1W (Proposed Well)**

**11-16-4-1W (Proposed Well)**

Pad Location: NWSW Section 16, T4S, R1W, U.S.B.&M.



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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,940	1,760	Topsoil is not included in Pad Cut Volume	2,180
PIT	690	0		690
<b>TOTALS</b>	<b>4,630</b>	<b>1,760</b>	<b>1,650</b>	<b>2,870</b>

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

SURVEYED BY: S.V.	DATE SURVEYED: 06-13-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-21-11	V2
SCALE: 1" = 60'	REVISED: M.W. - 07-29-11	

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# NEWFIELD EXPLORATION COMPANY

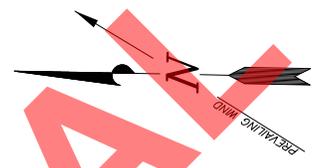
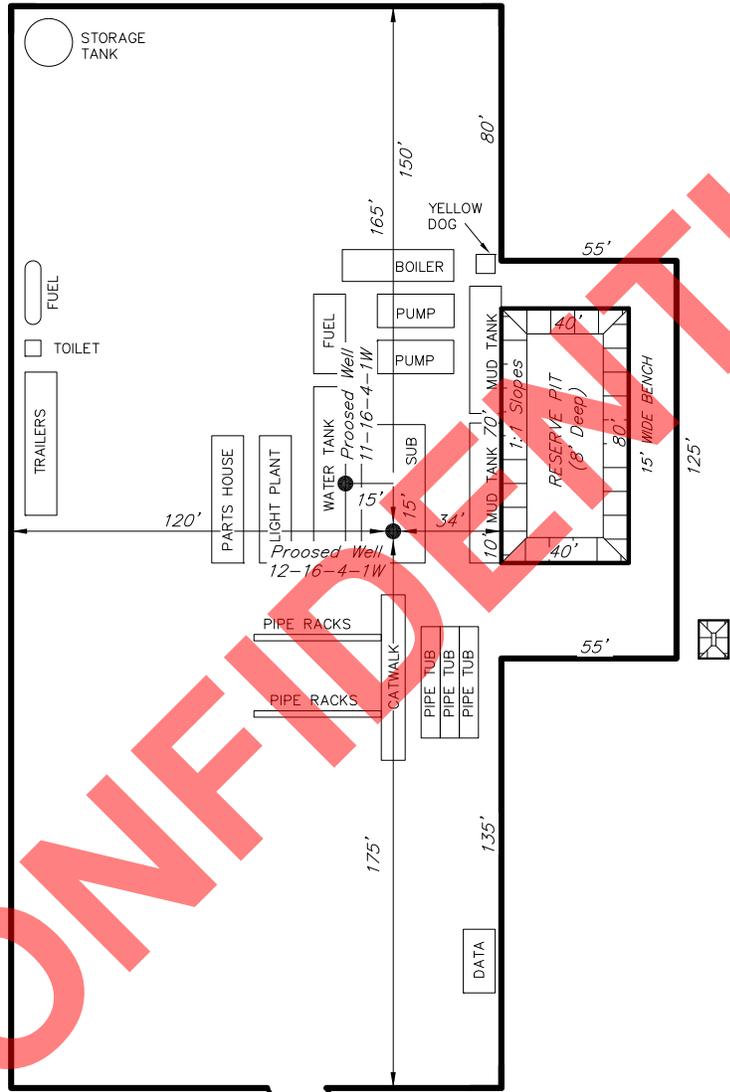
## TYPICAL RIG LAYOUT

12-16-4-1W (Proposed Well)

11-16-4-1W (Proposed Well)

Pad Location: NWSW Section 16, T4S, R1W, U.S.B.&M.

1/16 Section Line



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*Note:*  
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

PROPOSED ACCESS ROAD (Max. 6% Grade)

SURVEYED BY: S.V.	DATE SURVEYED: 06-13-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-21-11	V2
SCALE: 1" = 60'	REVISED: M.W. - 07-29-11	

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# NEWFIELD EXPLORATION

USGS Myton SW (UT)  
SECTION 16 T4S, R1W  
12-16-4-1W

Wellbore #1

Plan: Design #1

## Standard Planning Report

12 August, 2011

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<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 12-16-4-1W
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	12-16-4-1W @ 5094.9ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	12-16-4-1W @ 5094.9ft (Original Well Elev)
<b>Site:</b>	SECTION 16 T4S, R1W	<b>North Reference:</b>	True
<b>Well:</b>	12-16-4-1W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	SECTION 16 T4S, R1W				
<b>Site Position:</b>		<b>Northing:</b>	7,221,000.00 ft	<b>Latitude:</b>	40° 8' 1.980 N
<b>From:</b>	Map	<b>Easting:</b>	2,059,300.00 ft	<b>Longitude:</b>	110° 0' 6.219 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.96 °

<b>Well</b>	12-16-4-1W, SHL LAT: 40 07 55.29 LONG: -110 00 24.77					
<b>Well Position</b>	<b>+N/-S</b>	-677.0 ft	<b>Northing:</b>	7,220,299.05 ft	<b>Latitude:</b>	40° 7' 55.290 N
	<b>+E/-W</b>	-1,440.8 ft	<b>Easting:</b>	2,057,870.72 ft	<b>Longitude:</b>	110° 0' 24.770 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,094.9 ft	<b>Ground Level:</b>	5,082.9 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2011/08/12	11.28	65.87	52,313

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	7,305.0	0.0	0.0	312.55

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
972.4	5.59	312.55	971.8	12.3	-13.4	1.50	1.50	0.00	312.55	
7,335.8	5.59	312.55	7,305.0	431.1	-469.7	0.00	0.00	0.00	0.00	12-16-4-1W TGT



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 12-16-4-1W
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	12-16-4-1W @ 5094.9ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	12-16-4-1W @ 5094.9ft (Original Well Elev)
<b>Site:</b>	SECTION 16 T4S, R1W	<b>North Reference:</b>	True
<b>Well:</b>	12-16-4-1W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	312.55	700.0	0.9	-1.0	1.3	1.50	1.50	0.00
800.0	3.00	312.55	799.9	3.5	-3.9	5.2	1.50	1.50	0.00
900.0	4.50	312.55	899.7	8.0	-8.7	11.8	1.50	1.50	0.00
972.4	5.59	312.55	971.8	12.3	-13.4	18.1	1.50	1.50	0.00
1,000.0	5.59	312.55	999.3	14.1	-15.3	20.8	0.00	0.00	0.00
1,100.0	5.59	312.55	1,098.8	20.7	-22.5	30.6	0.00	0.00	0.00
1,200.0	5.59	312.55	1,198.3	27.2	-29.7	40.3	0.00	0.00	0.00
1,300.0	5.59	312.55	1,297.9	33.8	-36.9	50.0	0.00	0.00	0.00
1,400.0	5.59	312.55	1,397.4	40.4	-44.0	59.8	0.00	0.00	0.00
1,500.0	5.59	312.55	1,496.9	47.0	-51.2	69.5	0.00	0.00	0.00
1,600.0	5.59	312.55	1,596.4	53.6	-58.4	79.2	0.00	0.00	0.00
1,700.0	5.59	312.55	1,696.0	60.2	-65.5	89.0	0.00	0.00	0.00
1,800.0	5.59	312.55	1,795.5	66.7	-72.7	98.7	0.00	0.00	0.00
1,900.0	5.59	312.55	1,895.0	73.3	-79.9	108.4	0.00	0.00	0.00
2,000.0	5.59	312.55	1,994.5	79.9	-87.0	118.2	0.00	0.00	0.00
2,100.0	5.59	312.55	2,094.1	86.5	-94.2	127.9	0.00	0.00	0.00
2,200.0	5.59	312.55	2,193.6	93.1	-101.4	137.6	0.00	0.00	0.00
2,300.0	5.59	312.55	2,293.1	99.7	-108.6	147.4	0.00	0.00	0.00
2,400.0	5.59	312.55	2,392.6	106.2	-115.7	157.1	0.00	0.00	0.00
2,500.0	5.59	312.55	2,492.2	112.8	-122.9	166.8	0.00	0.00	0.00
2,600.0	5.59	312.55	2,591.7	119.4	-130.1	176.6	0.00	0.00	0.00
2,700.0	5.59	312.55	2,691.2	126.0	-137.2	186.3	0.00	0.00	0.00
2,800.0	5.59	312.55	2,790.7	132.6	-144.4	196.0	0.00	0.00	0.00
2,900.0	5.59	312.55	2,890.3	139.1	-151.6	205.8	0.00	0.00	0.00
3,000.0	5.59	312.55	2,989.8	145.7	-158.8	215.5	0.00	0.00	0.00
3,100.0	5.59	312.55	3,089.3	152.3	-165.9	225.2	0.00	0.00	0.00
3,200.0	5.59	312.55	3,188.8	158.9	-173.1	235.0	0.00	0.00	0.00
3,300.0	5.59	312.55	3,288.4	165.5	-180.3	244.7	0.00	0.00	0.00
3,400.0	5.59	312.55	3,387.9	172.1	-187.4	254.4	0.00	0.00	0.00
3,500.0	5.59	312.55	3,487.4	178.6	-194.6	264.2	0.00	0.00	0.00
3,600.0	5.59	312.55	3,586.9	185.2	-201.8	273.9	0.00	0.00	0.00
3,700.0	5.59	312.55	3,686.5	191.8	-209.0	283.6	0.00	0.00	0.00
3,800.0	5.59	312.55	3,786.0	198.4	-216.1	293.4	0.00	0.00	0.00
3,900.0	5.59	312.55	3,885.5	205.0	-223.3	303.1	0.00	0.00	0.00
4,000.0	5.59	312.55	3,985.0	211.6	-230.5	312.8	0.00	0.00	0.00
4,100.0	5.59	312.55	4,084.6	218.1	-237.6	322.6	0.00	0.00	0.00
4,200.0	5.59	312.55	4,184.1	224.7	-244.8	332.3	0.00	0.00	0.00
4,300.0	5.59	312.55	4,283.6	231.3	-252.0	342.0	0.00	0.00	0.00
4,400.0	5.59	312.55	4,383.1	237.9	-259.1	351.8	0.00	0.00	0.00
4,500.0	5.59	312.55	4,482.7	244.5	-266.3	361.5	0.00	0.00	0.00
4,600.0	5.59	312.55	4,582.2	251.0	-273.5	371.2	0.00	0.00	0.00
4,700.0	5.59	312.55	4,681.7	257.6	-280.7	381.0	0.00	0.00	0.00
4,800.0	5.59	312.55	4,781.2	264.2	-287.8	390.7	0.00	0.00	0.00
4,900.0	5.59	312.55	4,880.8	270.8	-295.0	400.4	0.00	0.00	0.00
5,000.0	5.59	312.55	4,980.3	277.4	-302.2	410.2	0.00	0.00	0.00
5,100.0	5.59	312.55	5,079.8	284.0	-309.3	419.9	0.00	0.00	0.00
5,200.0	5.59	312.55	5,179.3	290.5	-316.5	429.6	0.00	0.00	0.00



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 12-16-4-1W
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	12-16-4-1W @ 5094.9ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	12-16-4-1W @ 5094.9ft (Original Well Elev)
<b>Site:</b>	SECTION 16 T4S, R1W	<b>North Reference:</b>	True
<b>Well:</b>	12-16-4-1W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	5.59	312.55	5,278.9	297.1	-323.7	439.4	0.00	0.00	0.00
5,400.0	5.59	312.55	5,378.4	303.7	-330.9	449.1	0.00	0.00	0.00
5,500.0	5.59	312.55	5,477.9	310.3	-338.0	458.8	0.00	0.00	0.00
5,600.0	5.59	312.55	5,577.4	316.9	-345.2	468.6	0.00	0.00	0.00
5,700.0	5.59	312.55	5,677.0	323.5	-352.4	478.3	0.00	0.00	0.00
5,800.0	5.59	312.55	5,776.5	330.0	-359.5	488.0	0.00	0.00	0.00
5,900.0	5.59	312.55	5,876.0	336.6	-366.7	497.8	0.00	0.00	0.00
6,000.0	5.59	312.55	5,975.5	343.2	-373.9	507.5	0.00	0.00	0.00
6,100.0	5.59	312.55	6,075.1	349.8	-381.1	517.2	0.00	0.00	0.00
6,200.0	5.59	312.55	6,174.6	356.4	-388.2	527.0	0.00	0.00	0.00
6,300.0	5.59	312.55	6,274.1	362.9	-395.4	536.7	0.00	0.00	0.00
6,400.0	5.59	312.55	6,373.6	369.5	-402.6	546.5	0.00	0.00	0.00
6,500.0	5.59	312.55	6,473.2	376.1	-409.7	556.2	0.00	0.00	0.00
6,600.0	5.59	312.55	6,572.7	382.7	-416.9	565.9	0.00	0.00	0.00
6,700.0	5.59	312.55	6,672.2	389.3	-424.1	575.7	0.00	0.00	0.00
6,800.0	5.59	312.55	6,771.7	395.9	-431.2	585.4	0.00	0.00	0.00
6,900.0	5.59	312.55	6,871.3	402.4	-438.4	595.1	0.00	0.00	0.00
7,000.0	5.59	312.55	6,970.8	409.0	-445.6	604.9	0.00	0.00	0.00
7,100.0	5.59	312.55	7,070.3	415.6	-452.8	614.6	0.00	0.00	0.00
7,200.0	5.59	312.55	7,169.8	422.2	-459.9	624.3	0.00	0.00	0.00
7,300.0	5.59	312.55	7,269.4	428.8	-467.1	634.1	0.00	0.00	0.00
7,335.8	5.59	312.55	7,305.0	431.1	-469.7	637.5	0.00	0.00	0.00

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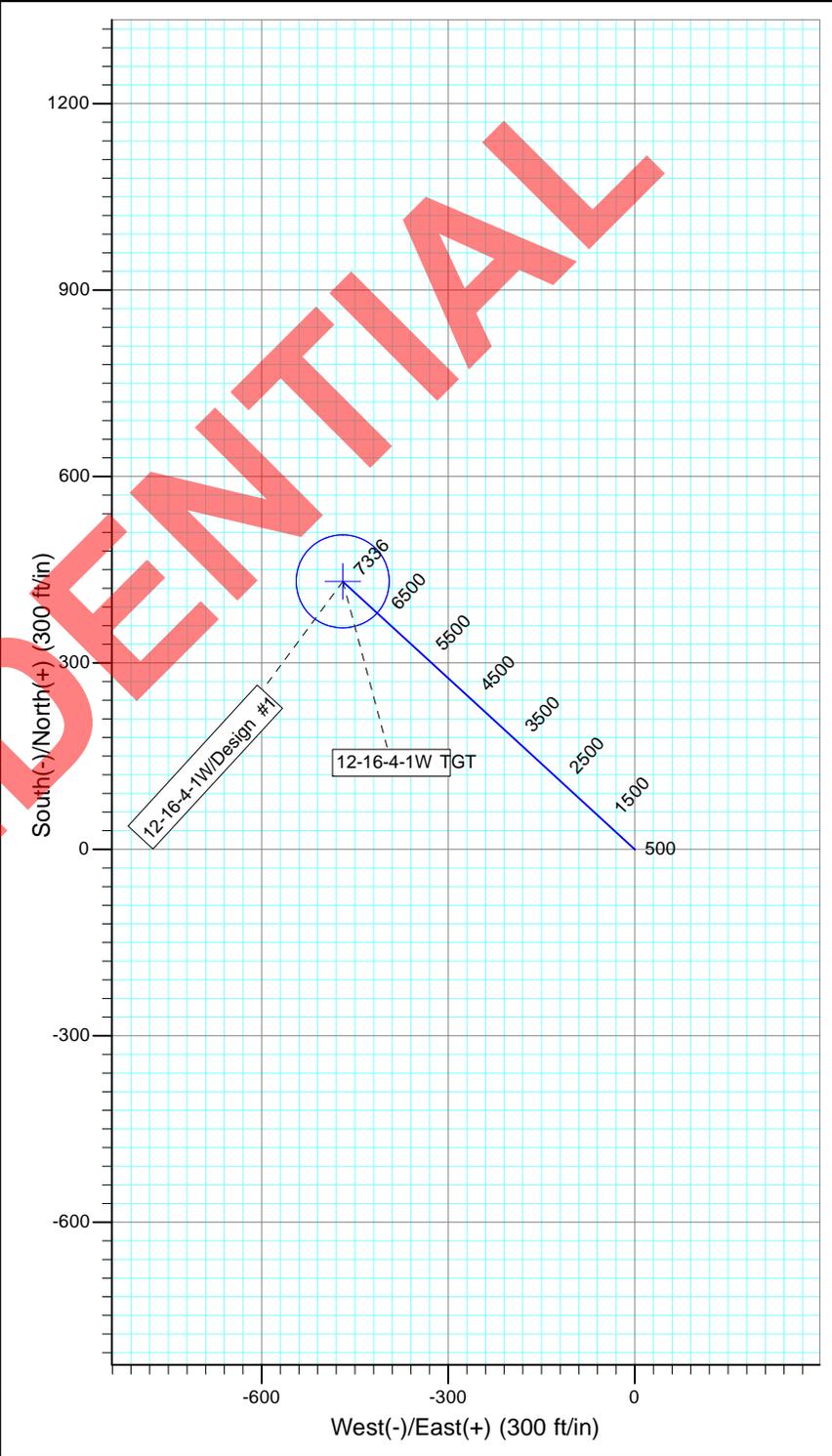
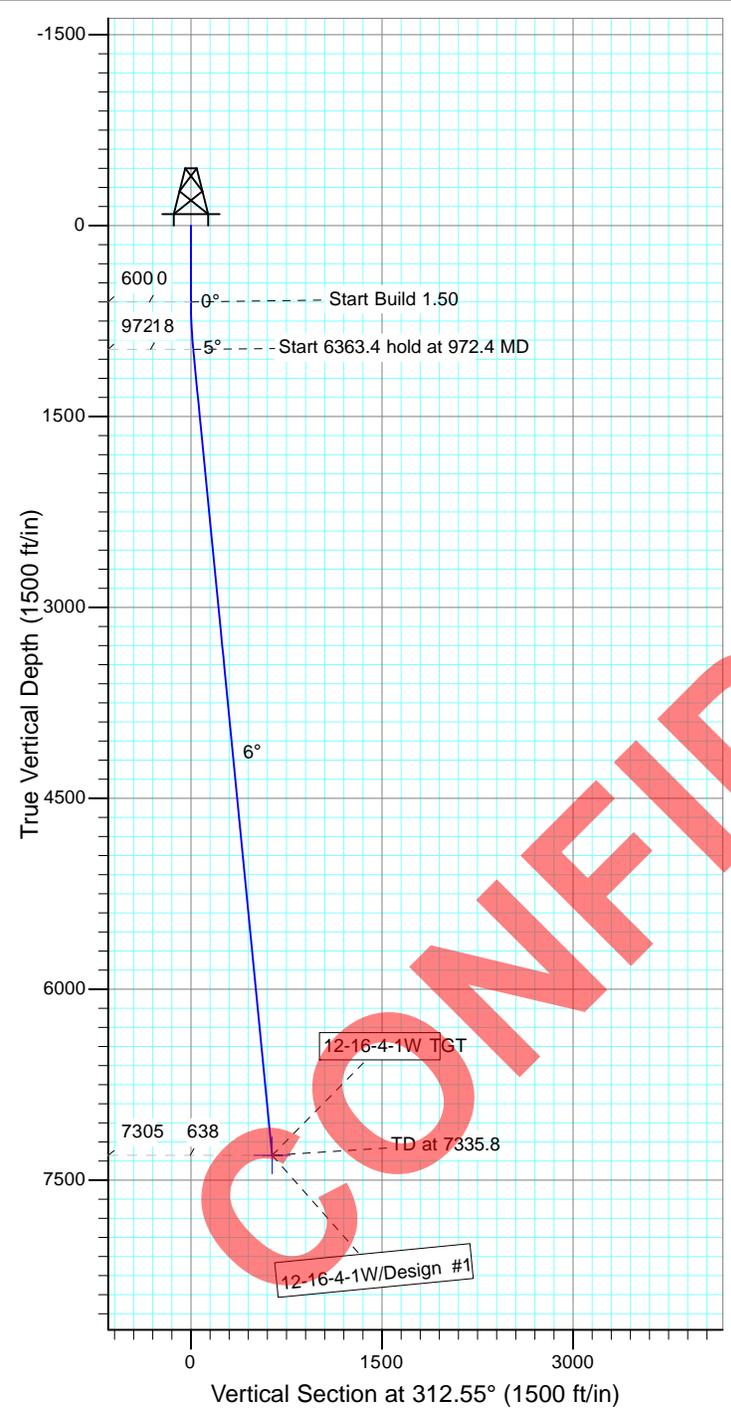
Project: USGS Myton SW (UT)  
 Site: SECTION 16 T4S, R1W  
 Well: 12-16-4-1W  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.28°

Magnetic Field  
 Strength: 52313.3snT  
 Dip Angle: 65.87°  
 Date: 2011/08/12  
 Model: IGRF2010

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100  
 TARGET RADIUS IS 75'



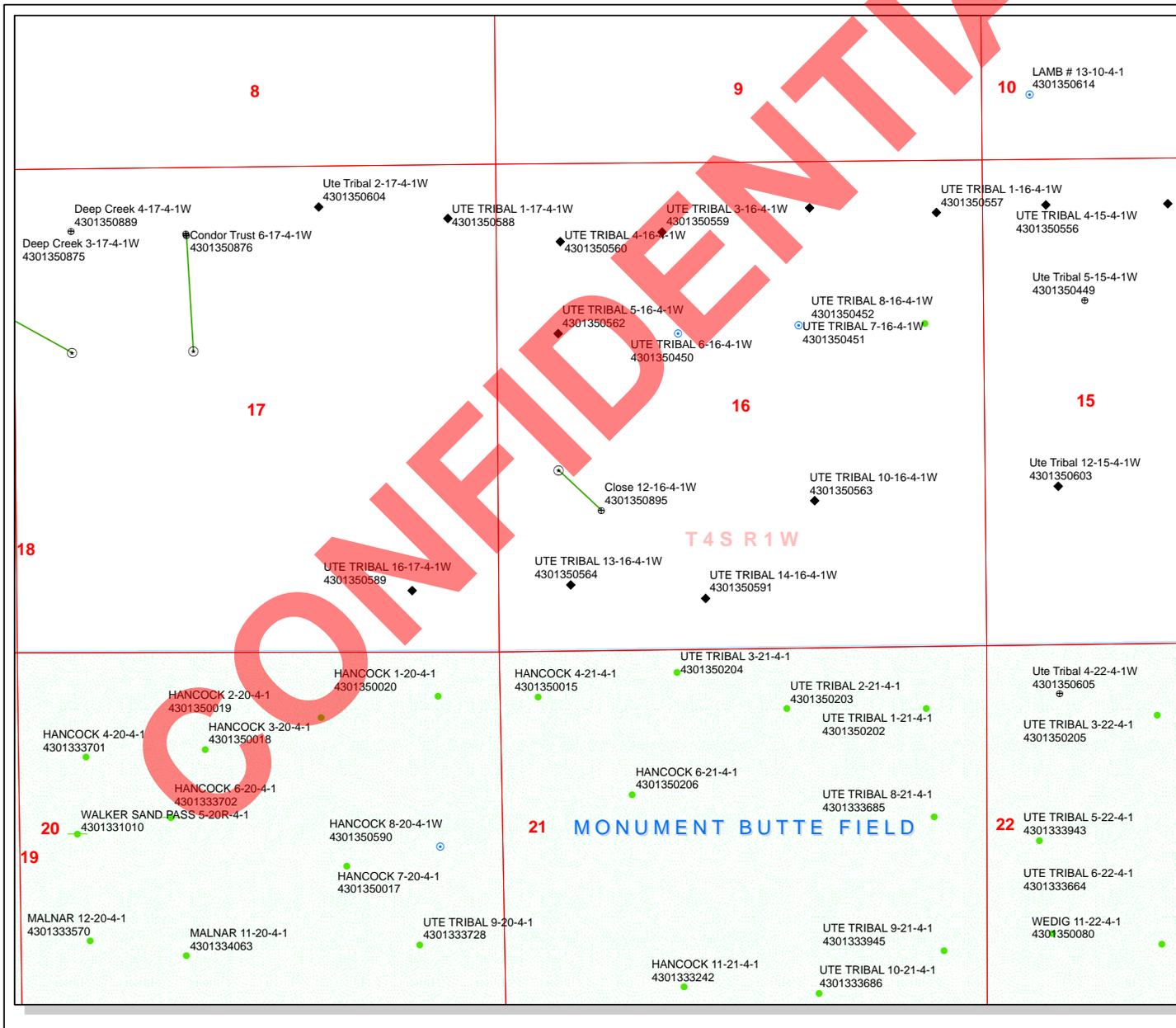
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
12-16-4-1W TGT	7305.0	431.1	-469.7	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	972.4	5.59	312.55	971.8	12.3	-13.4	1.50	312.55	18.1	
4	7335.8	5.59	312.55	7305.0	431.1	-469.7	0.00	0.00	637.5	12-16-4-1W TGT

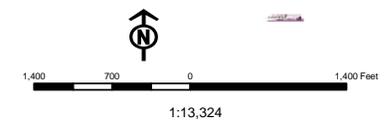




**API Number: 4301350895**  
**Well Name: Close 12-16-4-1W**  
 Township T0.4 . Range R0.1 . Section 16  
 Meridian: UBM  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- |               |                                    |
|---------------|------------------------------------|
| <b>Units</b>  | <b>Wells Query Status</b>          |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | OPS - Operation Suspended          |
| PP GEOTHERM   | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| <b>Fields</b> | SGW - Shut-in Gas Well             |
| Unknown       | SOW - Shut-in Oil Well             |
| ABANDONED     | TA - Temp. Abandoned               |
| ACTIVE        | TW - Test Well                     |
| COMBINED      | WDW - Water Disposal               |
| INACTIVE      | WIW - Water Injection Well         |
| STORAGE       | WSW - Water Supply Well            |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |





August 23, 2011

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
Close 12-16-4-1W  
Surface Hole: T4S R1W, Section 16: NWSW  
1540' FSL 1123' FWL  
Bottom Hole: T4S R1W, Section 16: N2SW  
1981' FSL 660' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both on fee lands. Newfield certifies that Newfield and The Ute Indian Tribe own 100% of the working interest in all of the lands within 460 feet of the entire directional well bore. Approval is attached.

NPC is permitting this well as a directional well due to surface issues.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-383-4137 or by email at [awild@newfield.com](mailto:awild@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink, appearing to read "Alan D. Wild", is written over a large red "DRAFT" watermark.

Alan D. Wild  
Land Associate

Attachments

Attn: Alan D. Wild  
Newfield Production Company  
[awild@newfield.com](mailto:awild@newfield.com)  
303-685-8098 fax

RE: Directional Drilling  
Close 12-16-4-1W  
Surface Hole Location: T4S R1W, Section 16: NWSW  
1540' FSL 1123' FWL  
Bottom Hole Location: T4S R1W, Section 16: NWSW  
1981' FSL 660' FWL  
Duchesne County, Utah

Please be advised The Ute Indian Tribe does not have an objection to the proposed location of the  
aforementioned well.

By: Roseline B. Taveapant  
Roseline B. Taveapant  
Print Name and Title Acting Director

Date: 8/18/2011

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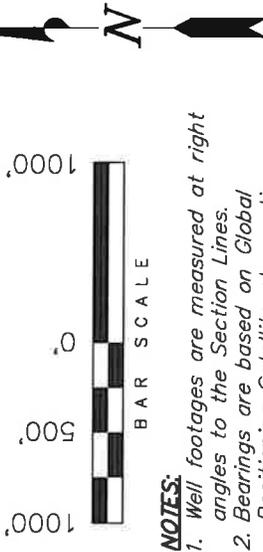
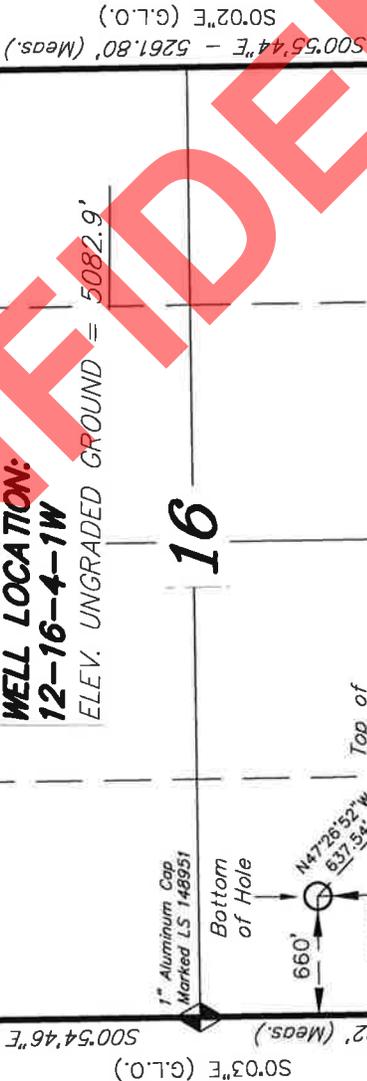


**T4S, R1W, U.S.B.&M.**

**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, 12-16-4-1W, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 16, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 12-16-4-1W, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 16, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE REPORT 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.

**STACY W.**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 189377  
 STATE OF UTAH

08-04-11

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

DATE SURVEYED: 06-13-11	SURVEYED BY: S.V.	VERSION: V2
DATE DRAWN: 07-21-11	DRAWN BY: M.W.	
REVISED: 08-04-11 - M.W.	SCALE: 1" = 1000'	

**12-16-4-1W**  
 (Surface Location) **NAD 83**  
 LATITUDE = 40° 07' 55.29"  
 LONGITUDE = 110° 00' 24.77"

◆ = SECTION CORNERS LOCATED

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

Well Name	NEWFIELD PRODUCTION COMPANY Close 12-16-4-1W 430			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	500	7305		
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)	3139	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=	3153	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2276	NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1546	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)=	1656	NO <input type="checkbox"/> Reasonable for area <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		500	psi *Assumes 1psi/ft frac gradient

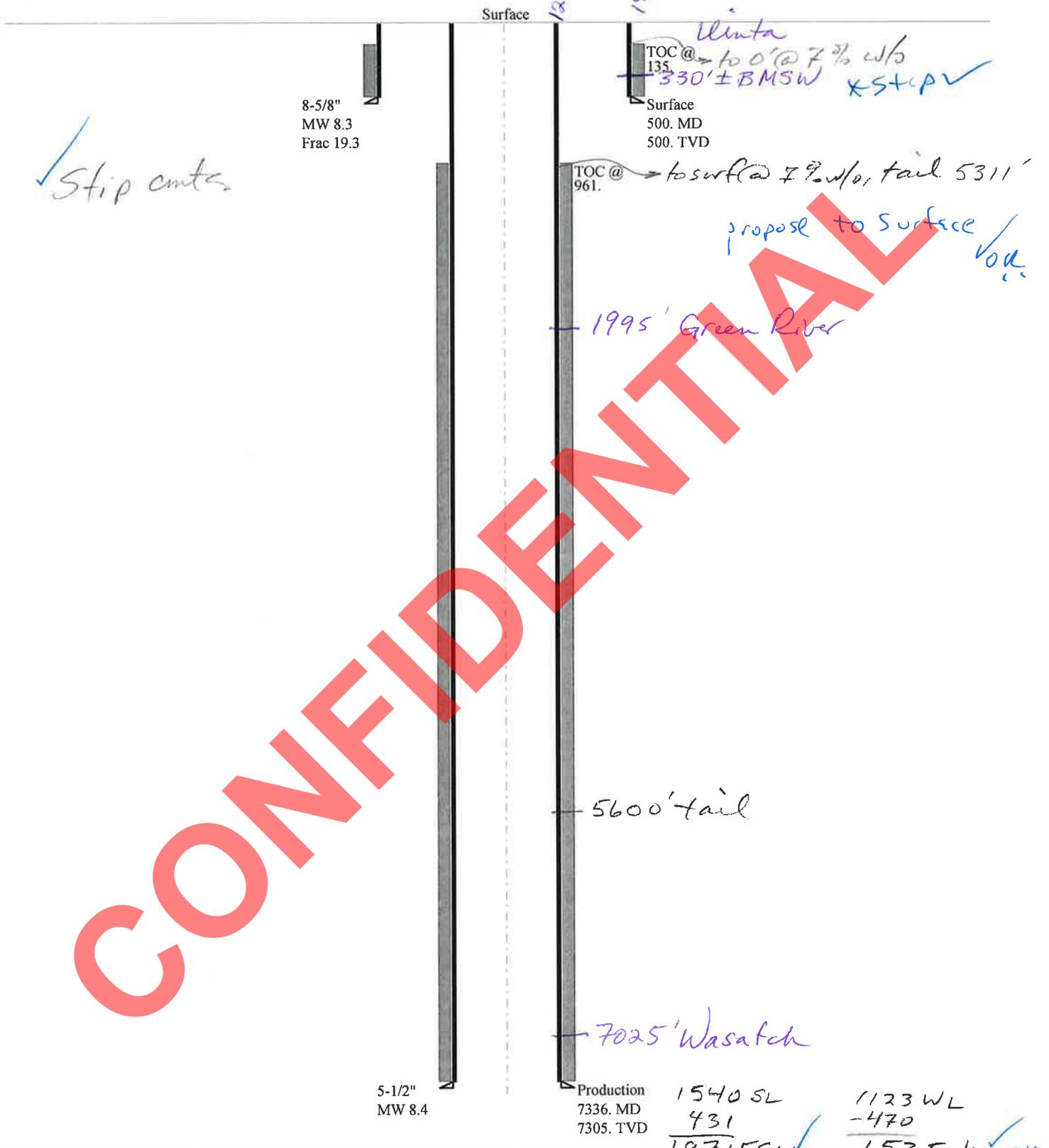
Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			<b>*Can Full Expected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

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### 43013508950000 Close 12-16-4-1W

#### Casing Schematic



✓ Stip cmts

8-5/8"  
MW 8.3  
Frac 19.3

TOC @ 135' → Ullinta  
330' ± BMSW  
Surface  
500. MD  
500. TVD

TOC @ 961' → to surface 7% w/o, tail 5311'  
propose to surface ✓  
OK

1995' Green River

5600' tail

7025' Wasatch

5-1/2"  
MW 8.4

Production	1540 SL	1123 WL
7336. MD	431	-470
7305. TVD	<u>1971 FSL</u> ✓	653 FWL ✓ OK

NW SW Sec 16-45-1W

Well name:	<b>43013508950000 Close 12-16-4-1W</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Surface	Project ID:	43-013-50895
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 440 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 500 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: 1.70 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

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

**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

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,305 ft  
 Next mud weight: 8.400 ppg  
 Next setting BHP: 3,188 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	2573
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	6.333	500	2950	5.90	12	244	20.34 J

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

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

Date: November 3, 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.

Well name:	<b>43013508950000 Close 12-16-4-1W</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-013-50895
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: 1,581 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 3,188 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: 6,403 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: 961 ft

**Directional Info - Build & Hold**

Kick-off point: 600 ft  
 Departure at shoe: 638 ft  
 Maximum dogleg: 1.5 °/100ft  
 Inclination at shoe: 5.59 °

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	7336	5.5	15.50	J-55	LT&C	7305	7336	4.825	25903

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	3188	4040	1.267	3188	4810	1.51	113.2	217	1.92 J

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

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

Date: November 3, 2011  
 Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7305 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.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Close 12-16-4-1W  
**API Number** 43013508950000      **APD No** 4257      **Field/Unit** UNDESIGNATED  
**Location: 1/4,1/4** NWSW      **Sec** 16      **Tw** 4.0S      **Rng** 1.0W      1540 FSL 1123 FWL  
**GPS Coord (UTM)**      **Surface Owner** Basin Land & Farm LLC

### Participants

M. Jones (UDOGM), T. Eaton, J. Pippy (Newfield), C. Miller (Tri-State). Robert Muir (Millstream Excavating), Jason Danley (surface ownership).

### Regional/Local Setting & Topography

Location is staked in Pleasant Valley. Approximately 4 miles west of county road 216. South of Pleasant Valley Wash approximately 1/2 mile. East of the area that Wells Draw dumps into Pleasant Valley Wash approximately 1 mile. Location is just north of the property line. Jason Danley was present at the pre-site meeting representing the surface ownership. A conventional reserve pit with a synthetic liner should be adequate. Drainages should be diverted around the location and access roads. The staking of the drill holes were discussed heavily during the presite meeting. A pivot irrigation system is planned north of this pad and if the pad were pushed south about 65' it would ensure that the pad did not interfere with the pivot plans. New plats will be provided.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Agricultural  
Wildlfe Habitat  
Recreational

#### **New Road Miles**

0.18

#### **Well Pad**

**Width** 154      **Length** 340

#### **Src Const Material**

Onsite

#### **Surface Formation**

#### **Ancillary Facilities**

### Waste Management Plan Adequate?

### Environmental Parameters

#### **Affected Floodplains and/or Wetlands** Y

North side of pad sits adacent to a potential flood plain as there is a small reservoir located a few hundred yards west of the location.

#### **Flora / Fauna**

Sagebrush, rabbit brush, grasses, weeds, and other forbs.

#### **Soil Type and Characteristics**

gravely clay loam.

#### **Erosion Issues** N

#### **Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** Y

Divert drainages around and away from pad and access road.

**Berm Required?** Y

Berm location to prevent fluids from leaving pad.

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>		20	
<b>Distance to Surface Water (feet)</b>		20	
<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>	10 to 20	5	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
<b>Final Score</b>		60	1 Sensitivity Level

**Characteristics / Requirements**

Dugout earthen (80' x 40' x 8')

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

**Other Observations / Comments**

Mark Jones  
Evaluator

7/27/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

11/8/2011

## 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>
4257	43013508950000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Basin Land & Farm LLC	
<b>Well Name</b>	Close 12-16-4-1W		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWSW 16 4S 1W U 1540 FSL 1123 FWL GPS Coord (UTM)			584609E	4442871N

### Geologic Statement of Basis

Newfield proposes to set 500' 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 330'. A search of Division of Water Rights records shows 5 water wells within a 10,000 foot radius of the center of Section 16. Depth is not listed for any of the wells. Listed uses are irrigation, stock watering and domestic. All 5 water wells are over a mile from the proposed well. 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 proposed surface casing should adequately protect useable ground water in this area.

Brad Hill  
APD Evaluator

11/1/2011  
Date / Time

### Surface Statement of Basis

Location is staked in Pleasant Valley. Approximately 4 miles west of county road 216. South of Pleasant Valley Wash approximately 1/2 mile. East of the area that Wells Draw dumps into Pleasant Valley Wash approximately 1 mile. Location is just north of the property line. Jason Danley was present at the pre-site meeting representing the surface ownership. A conventional reserve pit with a synthetic liner should be adequate. Drainages should be diverted around the location and access roads. The staking of the drill holes were discussed heavily during the presite meeting. A pivot irrigation system is planned north of this pad and if the pad were pushed south about 65' it would ensure that the pad did not interfere with the pivot plans. New plats will be provided.

Mark Jones  
Onsite Evaluator

7/27/2011  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils 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	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	This well pad should be built according to plats and drawing displaying the move determined beneficial to a future pivot irrigation system planned by the surface owners. This move was discussed during the presite inspection, new plats and drawings were submitted to the Division for review and approval and were included in the well file.

**RECEIVED: November 08, 2011**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 7/26/2011

**API NO. ASSIGNED:** 43013508950000

**WELL NAME:** Close 12-16-4-1W

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

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NWSW 16 040S 010W

**Permit Tech Review:**

**SURFACE:** 1540 FSL 1123 FWL

**Engineering Review:**

**BOTTOM:** 1981 FSL 0660 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.13191

**LONGITUDE:** -110.00689

**UTM SURF EASTINGS:** 584609.00

**NORTHINGS:** 4442871.00

**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 - 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:** R649-3-11
- Effective Date:**
- Siting:**
- R649-3-11. Directional Drill

**Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
 15 - Directional - dmason  
 23 - Spacing - dmason  
 25 - Surface Casing - ddoucet



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*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Close 12-16-4-1W  
**API Well Number:** 43013508950000  
**Lease Number:** Fee  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 11/8/2011

**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 R649-3-11. 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.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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: Fee
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: CLOSE 12-16-4-1W
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1540 FSL 1123 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 16 Township: 04.0S Range: 01.0W Meridian: U	9. API NUMBER: 43013508950000
9. FIELD and POOL or WILDCAT: WINDY RIDGE	COUNTY: DUCHESNE
	STATE: UTAH

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

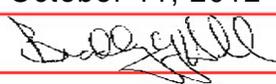
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/8/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input 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 checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield proposes to extend the Application for Permit to Drill for one year.

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

**Date:** October 11, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/9/2012	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013508950000**

API: 43013508950000

Well Name: CLOSE 12-16-4-1W

Location: 1540 FSL 1123 FWL QTR NWSW SEC 16 TWNP 040S RNG 010W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 11/8/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
- Has the approved source of water for drilling changed?  Yes  No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Mandie Crozier

Date: 10/9/2012

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

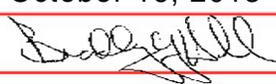
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
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STATE: UTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/8/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Newfield proposes to extend the Application for Permit to Drill this well.

**Approved by the Utah Division of Oil, Gas and Mining**  
**Date:** October 16, 2013  
**By:** 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 10/9/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013508950000**

API: 43013508950000

Well Name: CLOSE 12-16-4-1W

Location: 1540 FSL 1123 FWL QTR NWSW SEC 16 TWNP 040S RNG 010W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 11/8/2011

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- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Mandie Crozier

Date: 10/9/2013

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

December 11, 2014

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

Re: APDs Rescinded for Newfield Production Company  
Uintah and Duchesne County

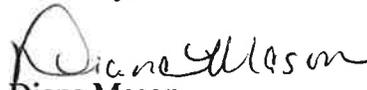
Ladies and Gentlemen:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
SITLA, Ed Bonner  
Brad Hill, Technical Service Manager



43-013-50904 Condor Trust 13-18-4-1W  
43-013-50889 Deep Creek 4-17-4-1W  
43-047-51753 Alderson 12-23-4-1W  
43-013-50895 Close 12-16-4-1W  
43-013-50937 Allred 9-13-4-2W  
43-013-50938 Nephi Moon 11-9-4-2W  
43-013-50939 Nephi Moon 12-9-4-2W  
43-013-50942 Nephi Moon 13-9-4-2W  
43-013-50943 Nephi Moon 14-9-4-2W  
43-013-50898 GMBU 1-2-9-15H  
43-013-50959 GMBU 1-16-9-17H  
43-013-50968 GMBU 3-2-9-15H