

**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> Ute Tribal 4-8-4-1	
<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> WILDCAT	
<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)</b> 20G0005609			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>	
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>	
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Ute			<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>	
<b>LOCATION AT SURFACE</b>	654 FNL 590 FWL	NWNW	8	4.0 S	1.0 W	U	
<b>Top of Uppermost Producing Zone</b>	654 FNL 590 FWL	NWNW	8	4.0 S	1.0 W	U	
<b>At Total Depth</b>	654 FNL 590 FWL	NWNW	8	4.0 S	1.0 W	U	
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 590			<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> 1320			<b>26. PROPOSED DEPTH</b> MD: 7405 TVD: 7405	
<b>27. ELEVATION - GROUND LEVEL</b> 5245			<b>28. BOND NUMBER</b> WYB000493			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-7478	
<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 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> 08/11/2009			<b>EMAIL</b> mcrozier@newfield.com	
<b>API NUMBER ASSIGNED</b> 4301350102000			<b>APPROVAL</b>			 Permit Manager	

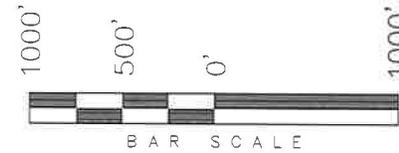
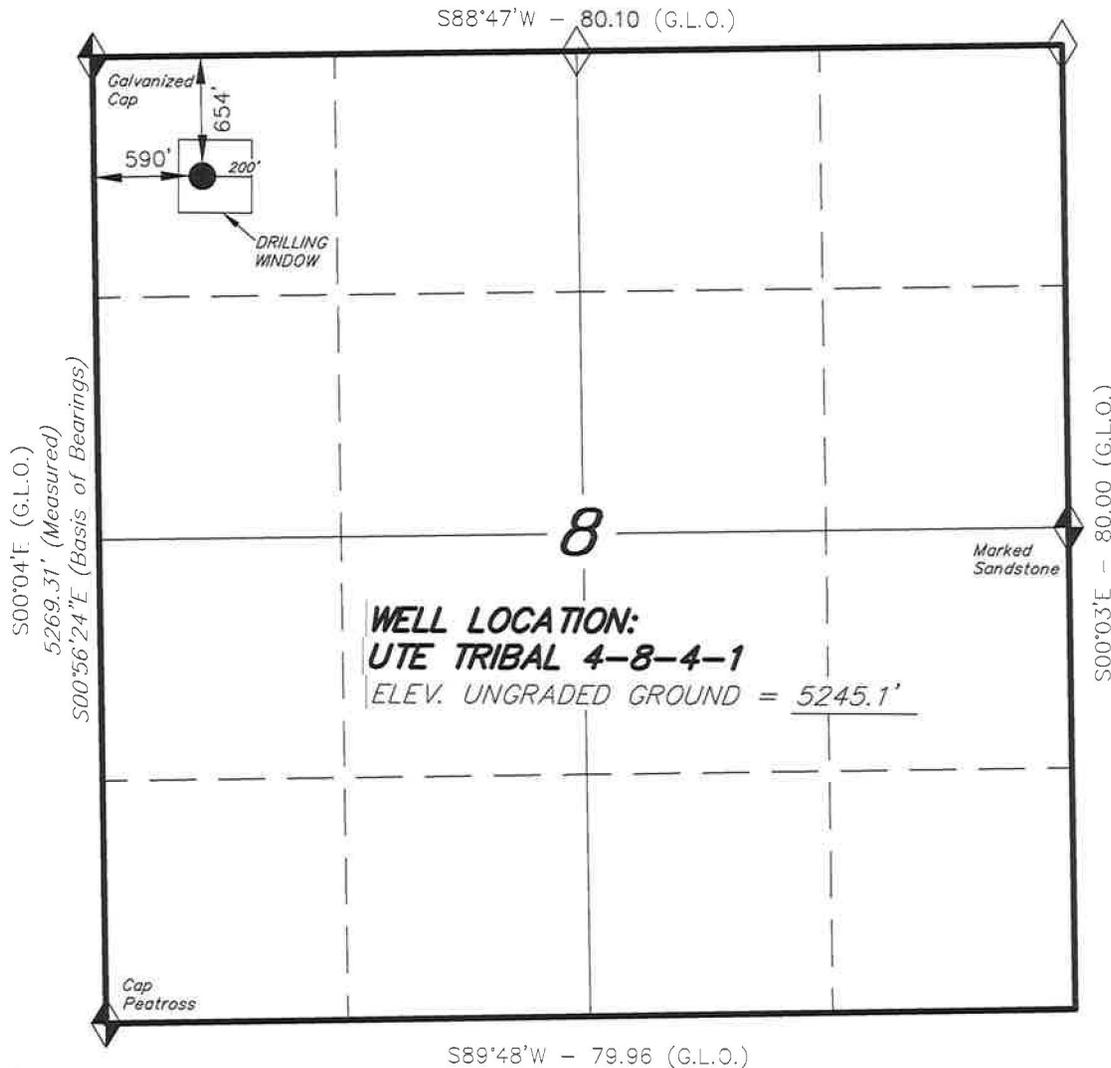
<b>Proposed Hole, Casing, and Cement</b>						
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	7.875	5.5	0	7405		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 LT&C	7405	15.5			

<b>Proposed Hole, Casing, and Cement</b>						
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	12.25	8.625	0	290		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	290	24.0			

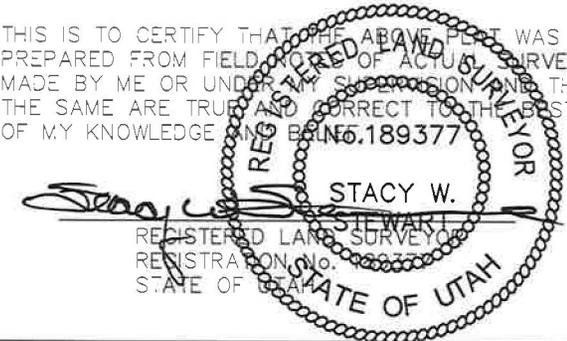
**T4S, R1W, U.S.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, UTE TRIBAL 4-8-4-1,  
 LOCATED AS SHOWN IN THE NW 1/4 NW  
 1/4 OF SECTION 8, T4S, R1W, U.S.B.&M.  
 DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST  
 OF MY KNOWLEDGE AND BELIEF. 189377



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

DATE SURVEYED: 05-07-09	SURVEYED BY: T.H.
DATE DRAWN: 05-11-09	DRAWN BY: M.W.
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'

**UTE TRIBAL 4-8-4-1**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 09' 17.83"  
 LONGITUDE = 110° 01' 39.56"

NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 4-8-4-1  
NW/NW SECTION 8, T4S, R1W  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2,385'
Green River	2,385'
Wasatch	7,405'
Base of Moderately Saline Ground Water	@ 425'

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

Green River Formation 2,385' – 7,405' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP). See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

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:**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

# 2-M SYSTEM

Blowout Prevention Equipment Systems

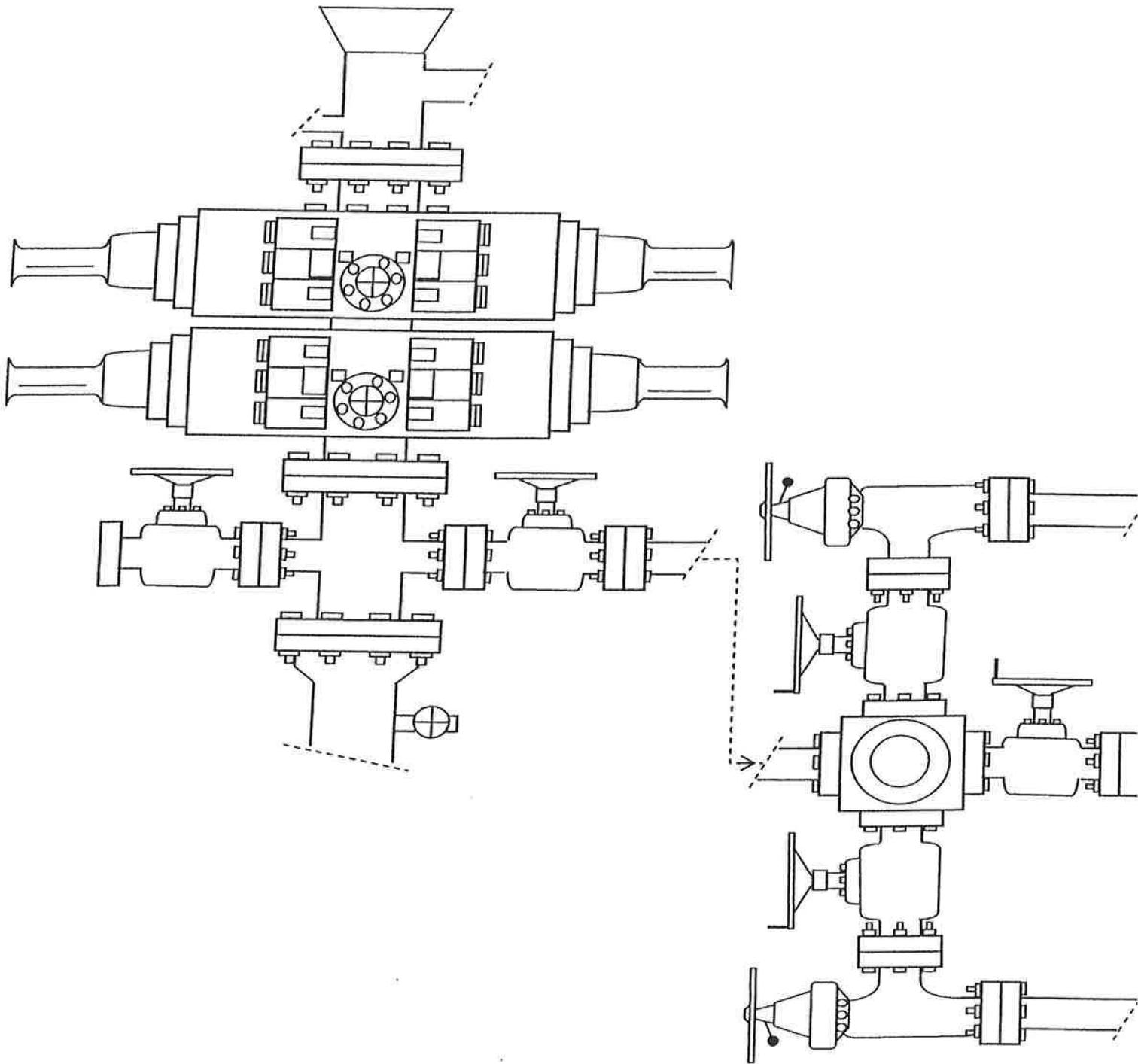
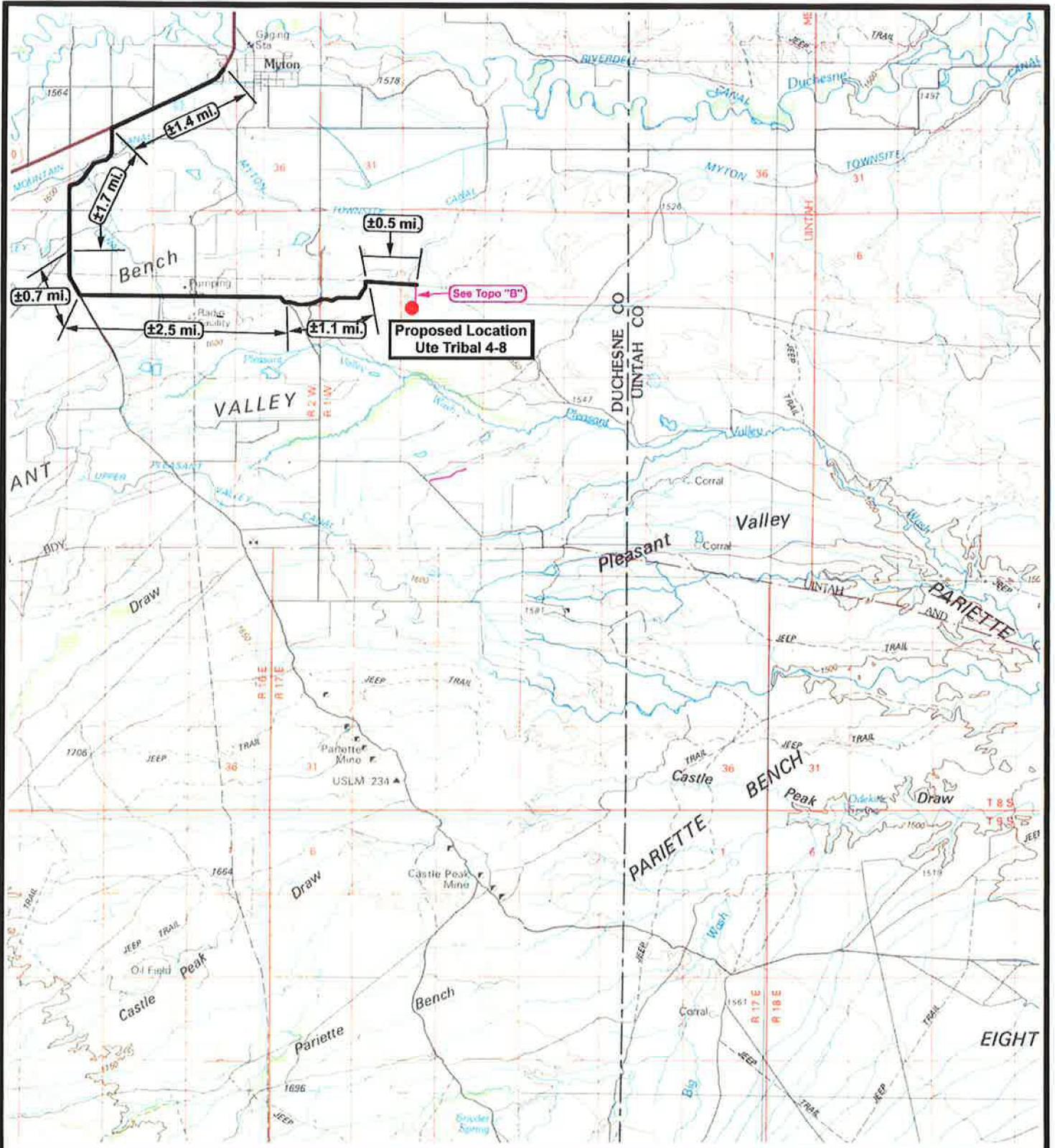


EXHIBIT C



 **NEWFIELD**  
Exploration Company

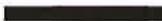
**Ute Tribal 4-8-4-1**  
**SEC. 8, T4S, R1W, U.S.B.&M.**



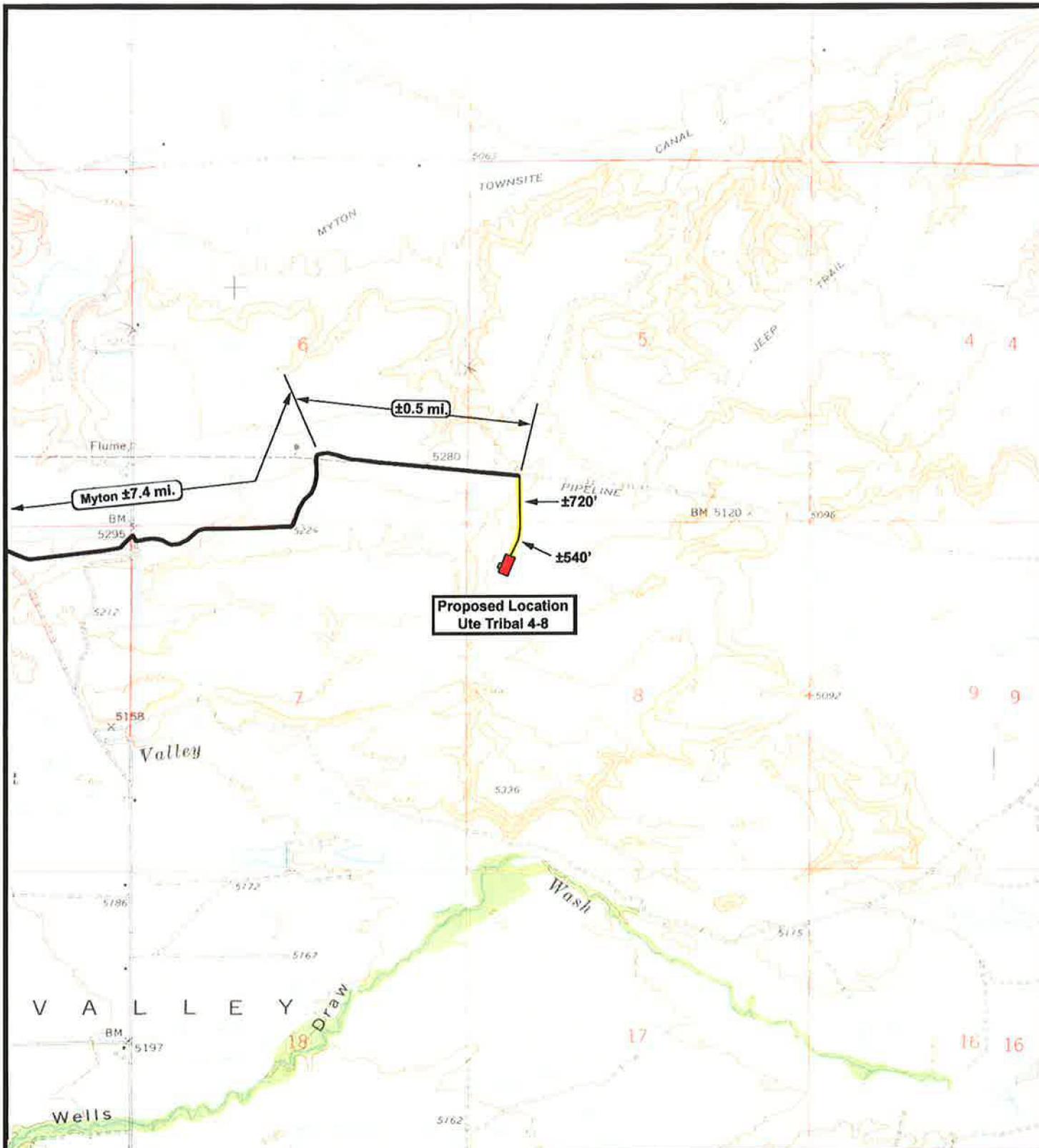
 **Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1:100,000  
DRAWN BY: JAS  
DATE: 05-11-2009

**Legend**

-  Existing Road
-  Proposed Access

**TOPOGRAPHIC MAP**  
**"A"**



**NEWFIELD**  
Exploration Company

**Ute Tribal 4-8-4-1**  
**SEC. 8, T4S, R1W, U.S.B.&M.**



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

SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 05-11-2009

**Legend**

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP  
**"B"**



**NEWFIELD**  
Exploration Company

**Ute Tribal 4-8-4-1**  
**SEC. 8, T4S, R1W, U.S.B.&M.**



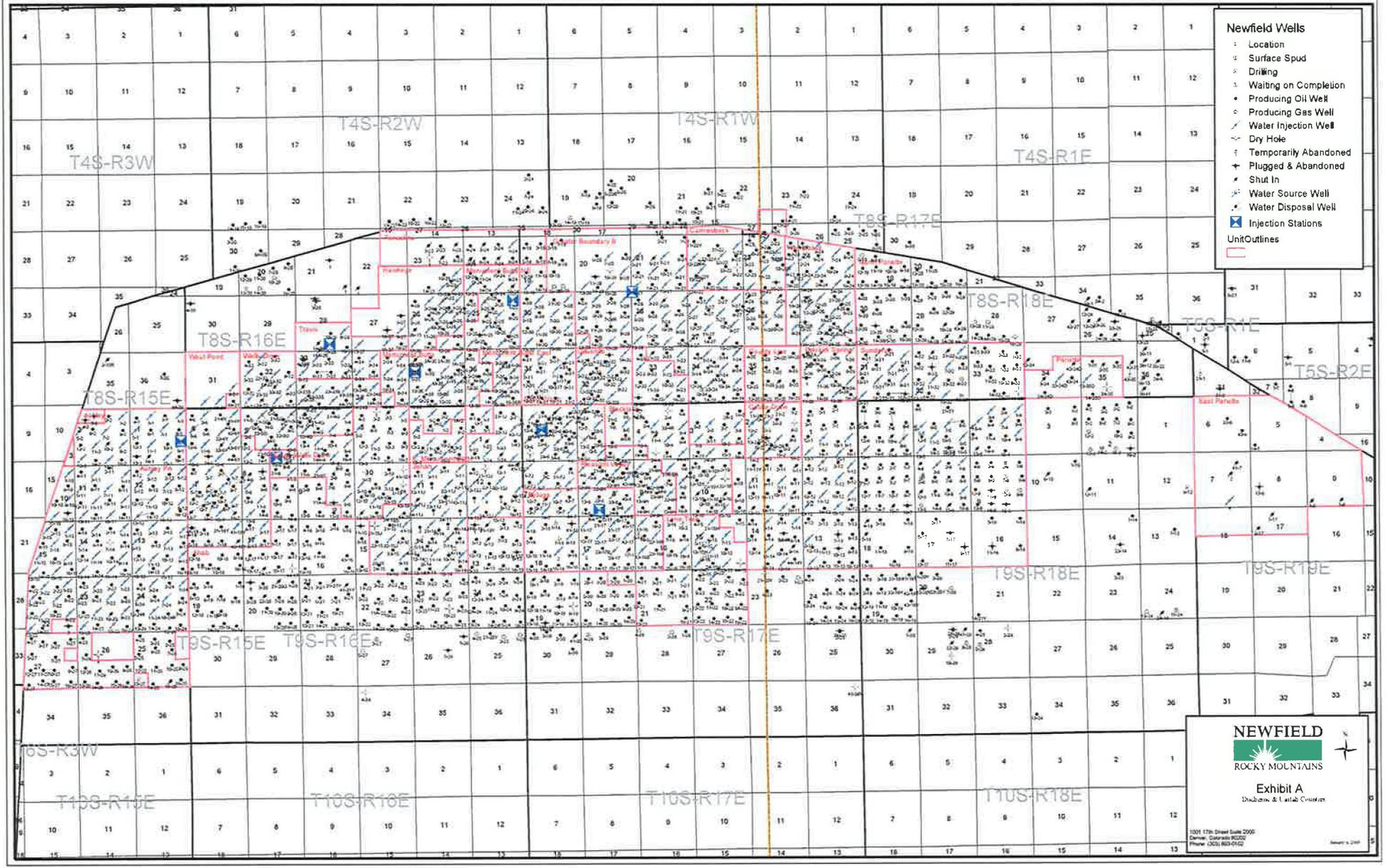
*Tri-State*  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

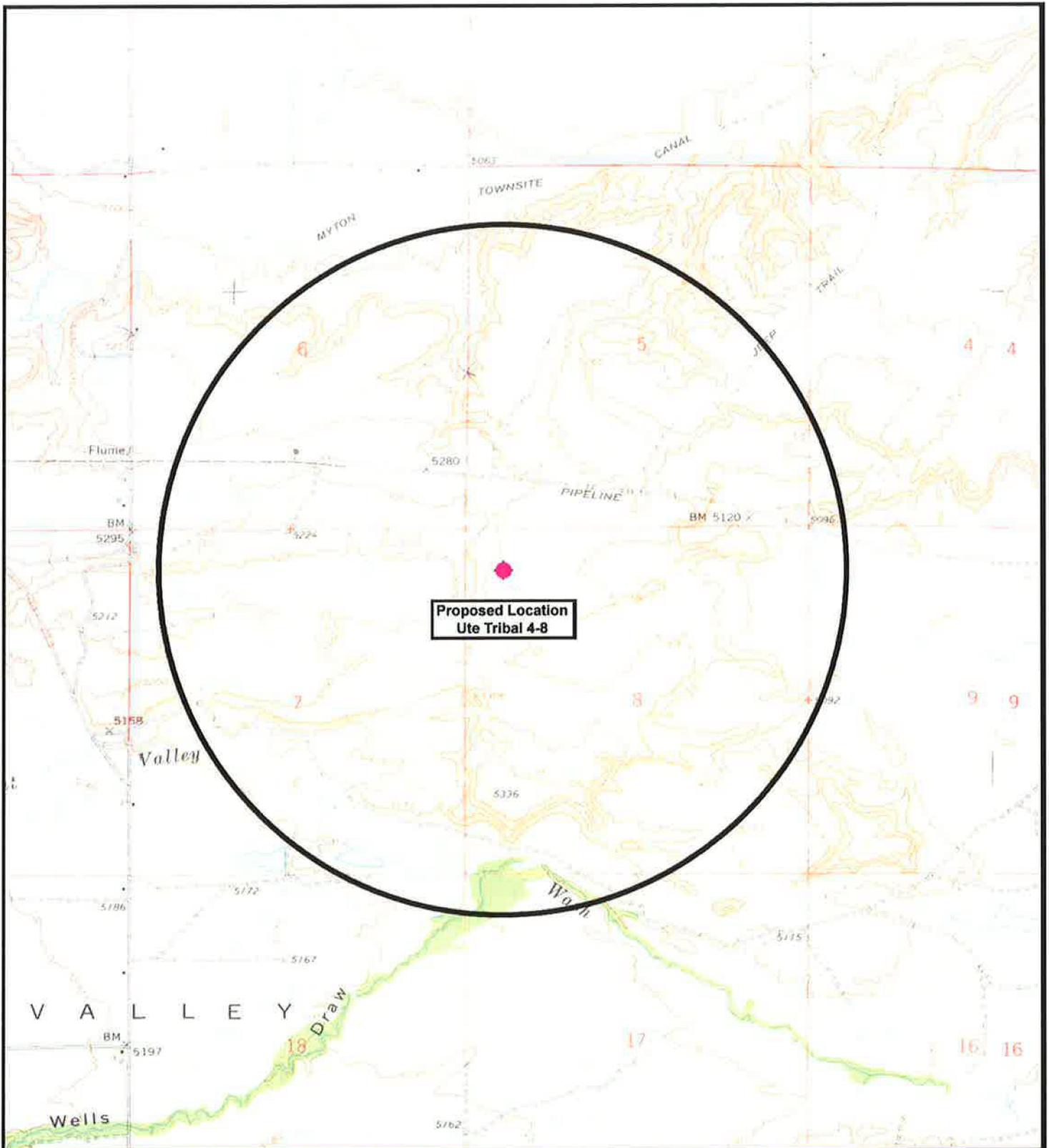
SCALE: 1" = 2,000'  
DRAWN BY: JAS  
DATE: 05-11-2009

**Legend**

- Roads
- Proposed Gas Line
- Proposed Water Line

**TOPOGRAPHIC MAP**  
**"C"**





 **NEWFIELD**  
Exploration Company

**Ute Tribal 4-8-4-1**  
**SEC. 8, T4S, R1W, U.S.B.&M.**



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

**SCALE: 1" = 2,000'**  
**DRAWN BY: JAS**  
**DATE: 05-11-2009**

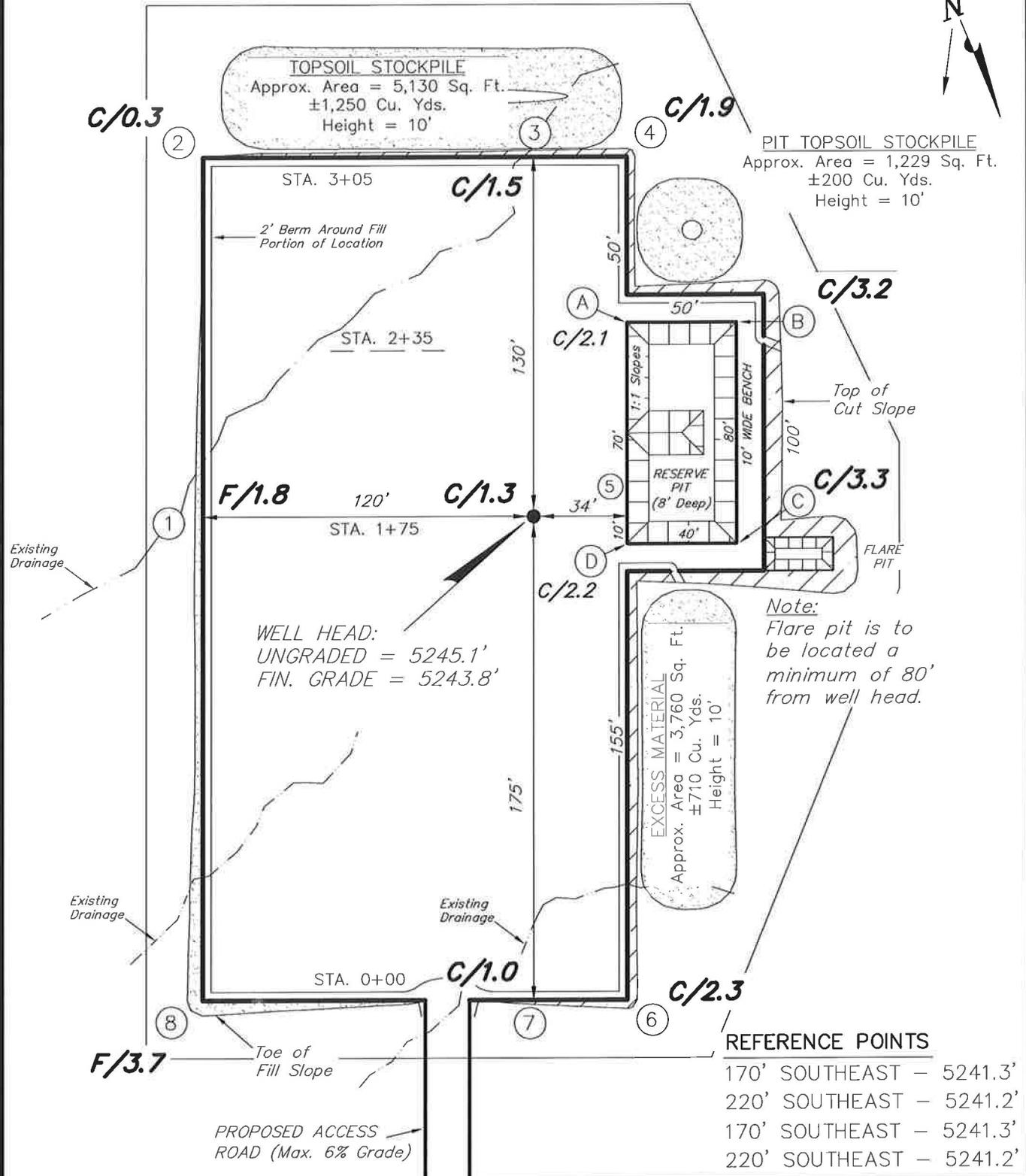
**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

# NEWFIELD PRODUCTION COMPANY

UTE TRIBAL 4-8-4-1  
Section 8, T4S, R1W, U.S.B.&M.



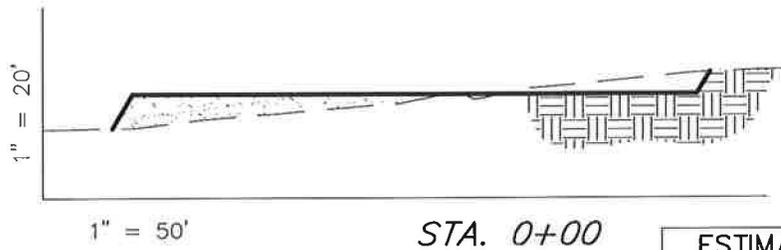
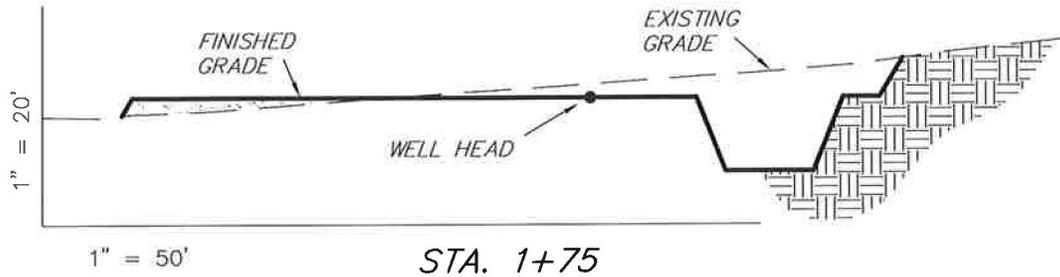
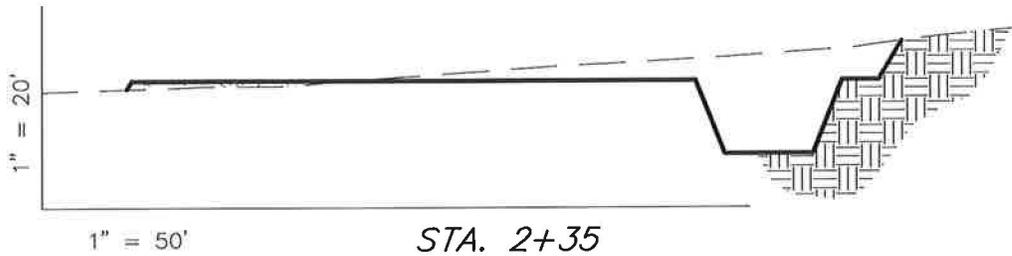
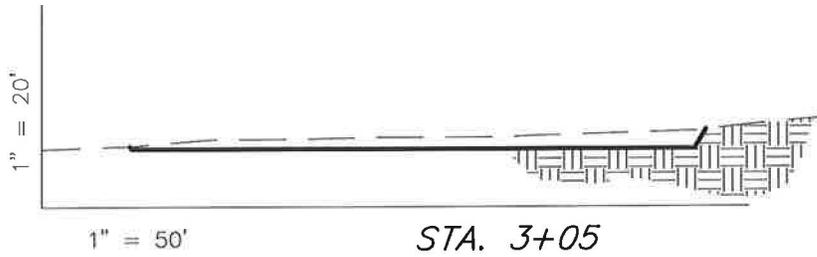
SURVEYED BY: T.H.	DATE SURVEYED: 5-7-09
DRAWN BY: M.W.	DATE DRAWN: 5-11-09
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

### UTE TRIBAL 4-8-4-1



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

#### ESTIMATED EARTHWORK QUANTITIES

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,290	1,290	Topsoil is not included in Pad Cut	0
PIT	640	0		640
<b>TOTALS</b>	<b>1,930</b>	<b>1,290</b>	<b>1,130</b>	<b>640</b>

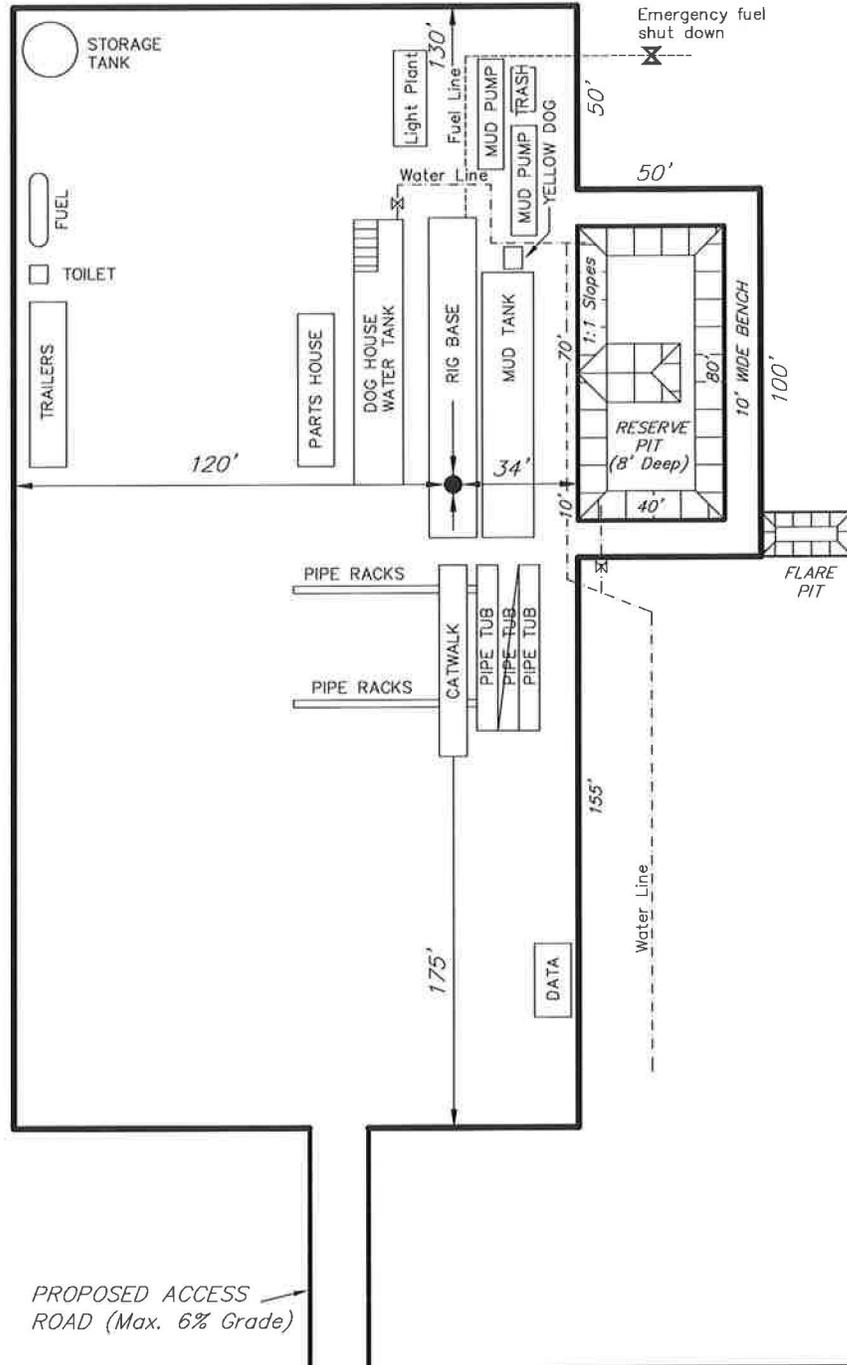
SURVEYED BY: T.H.	DATE SURVEYED: 5-7-09
DRAWN BY: M.W.	DATE DRAWN: 5-11-09
SCALE: 1" = 50'	REVISED:

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

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### UTE TRIBAL 4-8-4-1



SURVEYED BY: T.H.	DATE SURVEYED: 5-7-09
DRAWN BY: M.W.	DATE DRAWN: 5-11-09
SCALE: 1" = 50'	REVISED:

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

# Newfield Production Company Proposed Site Facility Diagram

Ute Tribal 4-8-4-1

NW/NW Sec. 8, T4S, R1W

Duchesne County, Utah

EDA #2OG0005609

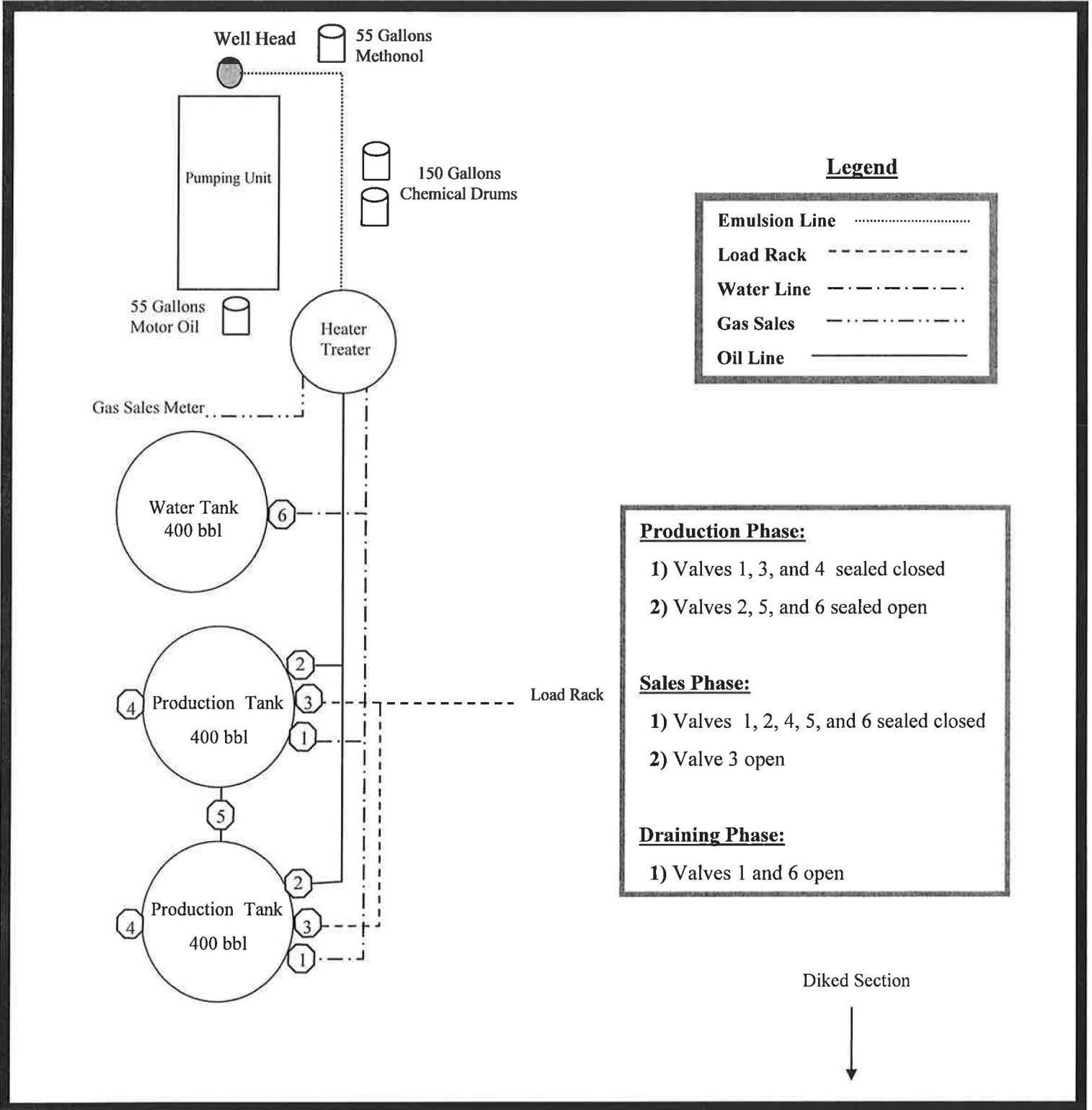


Exhibit "D"

1 of 2

CLASS I REVIEW OF NEWFIELD EXPLORATION'S  
PROPOSED WELL LOCATIONS UTE TRIBAL 4-8-4-1  
UTE TRIBAL 7-11-4-1, UTE TRIBAL 6-8-4-1E  
AND PIPELINE/ACCESS ROUTES FOR  
CARTER 12-24-4-1 AND HANCOCK 15-24-4-1  
DUCHESNE AND Uintah COUNTIES, UTAH

By:

Jacki A. Montgomery

Prepared for:

Ute Indian Tribe  
Uintah and Ouray Agency

Prepared Under Contract With:

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

Submitted By:

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

MOAC Report No. 09-081a

July 21, 2009

United States Department of Interior (FLPMA)  
Permit No. 09-UT-60122

Ute Tribal Permit No. A09-363

**Paleontological Assessment Preliminary Report for Newfield Well 4-8-4-1 and  
Associated Infrastructure**

Prepared for

**Newfield Exploration Company**  
10530 South County Road #33  
Duchesne County, Utah 84052

and

**Ute Indian Tribe**  
**Energy and Minerals Department**  
P.O. Box 70  
988 S. 7500 E., Annex Building  
Fort Duchesne, UT 84026

Prepared by:

**Benjamin J. Burger, Ph.D. and Paul C. Murphey, PhD.**

SWCA Environmental Consultants  
2028 West 500 North  
Vernal, UT 84078-2645  
Phone: 435.789.9388  
Fax: 435.789.9385  
[www.swca.com](http://www.swca.com)

**July 15th, 2009**

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 4-8-4-1  
NW/NW SECTION 8, T4S, R1W  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ute Tribal 4-8-4-1 located in the NW 1/4 NW 1/4 Section 8, T4S, R1W, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly - 2.4 miles  $\pm$  to it's junction with an existing road to the east; proceed in a easterly direction - 3.6 miles  $\pm$  to it's junction with an existing road to the east; proceed easterly - 0.5 miles  $\pm$  to it's junction with the beginning of the proposed access road to the south; proceed southerly along the proposed access road - 1,260'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road. Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP)

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

All permanent surface equipment will be painted Carlsbad Canyon.  
Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

**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

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP). See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

8. **ANCILLARY FACILITIES**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

11. **SURFACE OWNERSHIP** – Ute Tribe (Proposed location and access road leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #09-081a, 7/21/09. Paleontological Resource Survey prepared by, SWCA, 7/15/09. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 1,260' of disturbed area be granted to allow for construction of the planned access road. **Refer to Topographic Map "B"**. A permanent width of 30' and a running surface of 18' is proposed for the planned access road. The construction phase of the planned access road will last approximately (5) days. The planned 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.

**Water Disposal**

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

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

**Threatened, Endangered, And Other Sensitive Species**

**Burrowing Owl:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

**Location and Reserve Pit Reclamation**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

**Details of the On-Site Inspection**

The proposed Ute Tribal 4-8-4-1 was onsite on 7/15/09. The following were present; Tim Eaton (Newfield Production), Bruce Pargeets (Ute Tribe ), Wendell Bruce (Bureau of Indian Affairs), James Hereford (Bureau of Land Management ), Christine Cimiluca (Bureau of Land Management), Cory Miller (Tri-State Land Surveying and Consulting), Brian O'hearn (RANA), Benjamin Burger (S.W.C.A), and Keith Montgomery (Montgomery Archaeological Consultants). Weather conditions were clear and ground cover was 100% open.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

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

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-8-4-1 at surface, NW/NW Section 8, Township 4S, Range 1W: 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, Federal Bond #WYB000493.

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 18 U.S.C. 1001 for the filing of a false statement.

8/11/09

Date

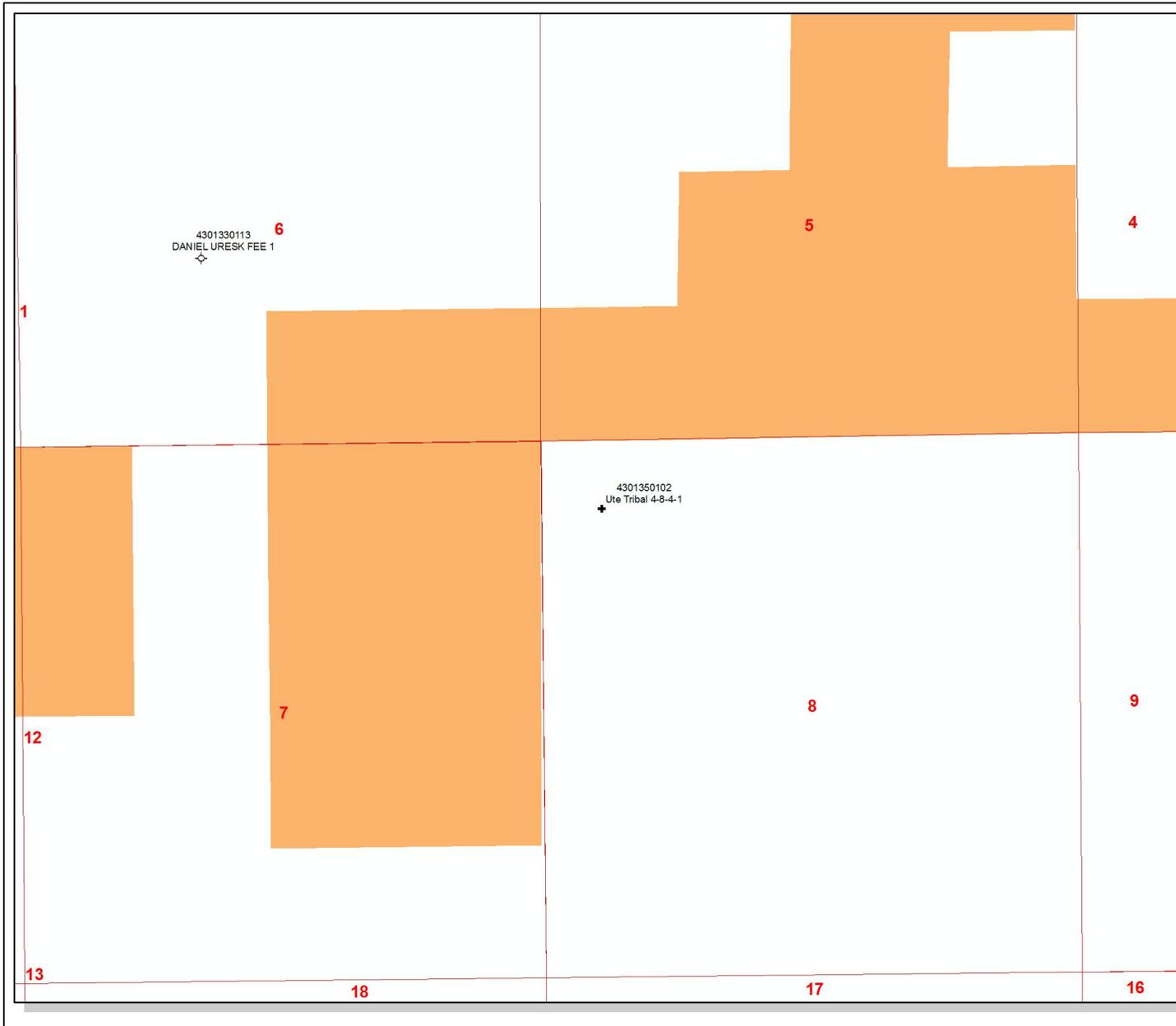
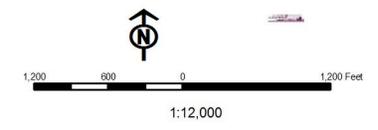


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

**API Number: 4301350102**  
**Well Name: Ute Tribal 4-8-4-1**  
**Township 04.0 S Range 01.0 W Section 8**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

<b>Units</b>	<b>Wells Query Events</b>
<b>STATUS</b>	<all other values>
ACTIVE	-NLI-
EXPLORATORY	APD
GAS STORAGE	DRL
NF PP OIL	GI
NF SECONDARY	GS
PI OIL	LA
PP GAS	NEW
PP GEOTHERML	OPS
PP OIL	PK
SECONDARY	PGW
TERMINATED	POW
	RET
	SGW
	SOW
	TA
	TW
	WD
	WV
	WS



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

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**APD RECEIVED:** 8/11/2009

**API NO. ASSIGNED:** 43013501020000

**WELL NAME:** Ute Tribal 4-8-4-1

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

**PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

**PROPOSED LOCATION:** NWNW 8 040S 010W

**Permit Tech Review:**

**SURFACE:** 0654 FNL 0590 FWL

**Engineering Review:**

**BOTTOM:** 0654 FNL 0590 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.15498

**LONGITUDE:** -110.02684

**UTM SURF EASTINGS:** 582883.00

**NORTHINGS:** 4445202.00

**FIELD NAME:** WILDCAT

**LEASE TYPE:** 2 - Indian

**LEASE NUMBER:** 2OG0005609

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

**SURFACE OWNER:** 2 - Indian

**COALBED METHANE:** NO

---

**RECEIVED AND/OR REVIEWED:**

- PLAT**
- Bond:** FEDERAL - WYB000493
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** 43-7478
- RDCC Review:**
- Fee Surface Agreement**
- Intent to Commingle**

**Commingle 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:** 4 - Federal Approval - dmason  
23 - Spacing - dmason



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:** Ute Tribal 4-8-4-1  
**API Well Number:** 43013501020000  
**Lease Number:** 2OG0005609  
**Surface Owner:** INDIAN  
**Approval Date:** 9/29/2009

**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:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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.

**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 at 801-538-5284 (please leave a voicemail message if not available)

OR

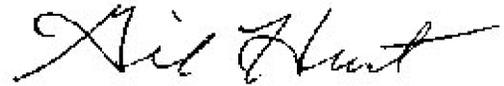
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

**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:**

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

Gil Hunt  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005609
---	---

<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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute  <b>7. UNIT or CA AGREEMENT NAME:</b>
--	---

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Ute Tribal 4-8-4-1
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013501020000
--	---

<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> WILDCAT
--	--	---

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0654 FNL 0590 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 8 Township: 04.0S Range: 01.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
--	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/12/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<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: Tight Hole Status

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Newfield requests "Tight Hole Status" on the above mentioned well.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 10, 2009

<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> 11/12/2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005609
---	---

<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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute  <b>7. UNIT or CA AGREEMENT NAME:</b>
--	---

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Ute Tribal 4-8-4-1
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013501020000
--	---

<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> WILDCAT
--	--	---

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0654 FNL 0590 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 8 Township: 04.0S Range: 01.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
--	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/15/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<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: APD Change

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

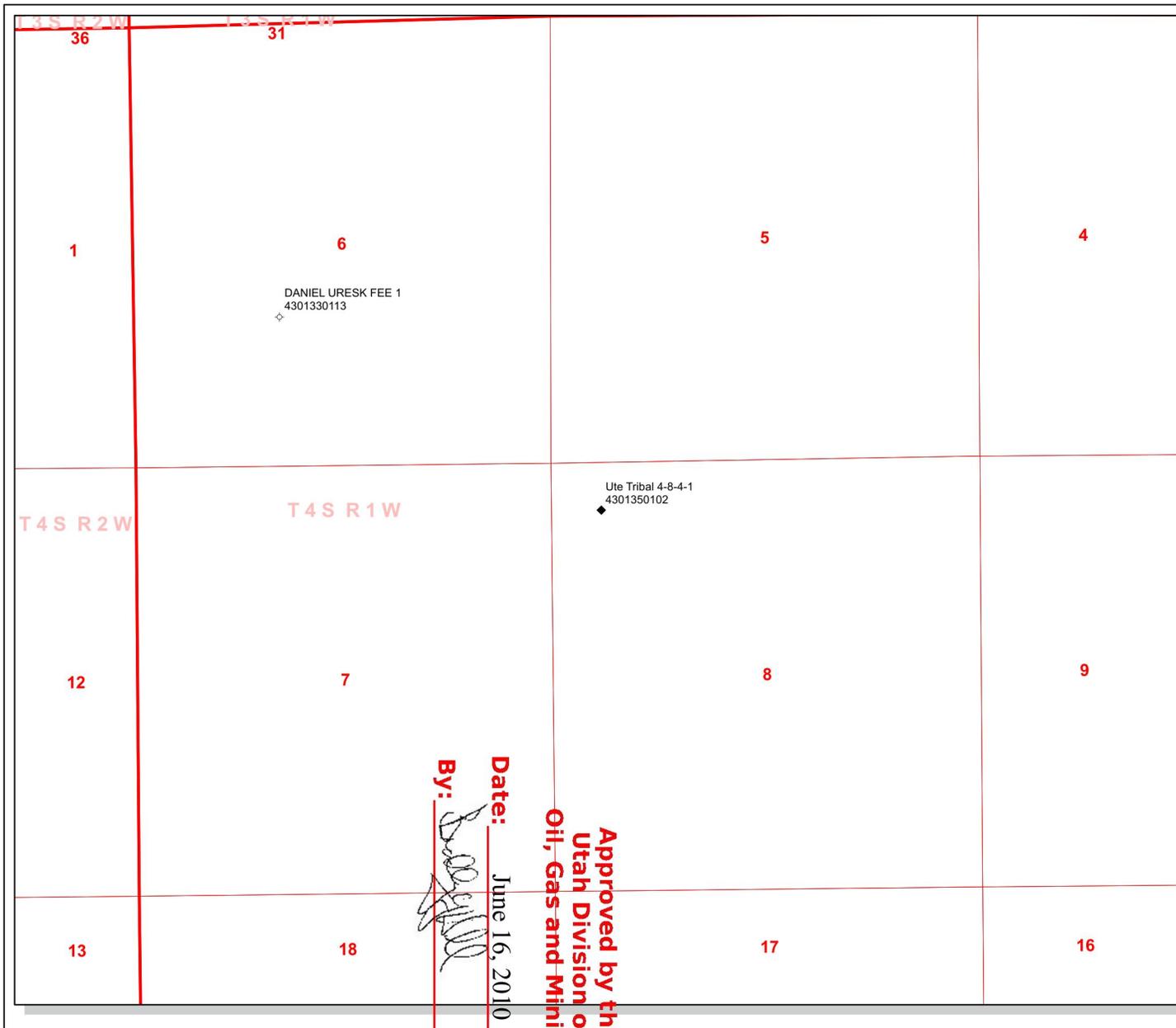
Due to the presence of Cactus, the proposed location for the above mentioned APD has been moved. The new proposed footages will be 580' FNL and 621' FWL. Attached find the amended Plat, Topo Maps and Multi-Point Surface Use and Operations Plan reflecting this change.

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

**Date:** June 16, 2010

**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> 6/15/2010

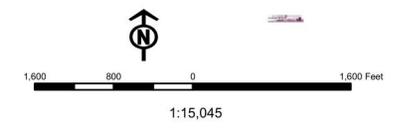


Approved by the  
 Utah Division of  
 Oil, Gas and Mining  
 Date: June 16, 2010  
 By: *[Signature]*

**API Number: 4301350102**  
**Well Name: Ute Tribal 4-8-4-1**  
**Township 04.0 S Range 01.0 W Section 8**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units        | Wells Query                          |
|--------------|--------------------------------------|
| STATUS       | ✕ <all other values>                 |
| ACTIVE       | ◆ APD - Approved Permit              |
| EXPLORATORY  | ⊙ DRL - Spudded (Drilling Commenced) |
| GAS STORAGE  | ⊙ GJW - Gas Injection                |
| NF PP OIL    | ⊙ GS - Gas Storage                   |
| NF SECONDARY | ⊙ LA - Location Abandoned            |
| PI OIL       | ⊙ LOC - New Location                 |
| PP GAS       | ⊙ OPS - Operation Suspended          |
| PP GEOTHERML | ⊙ PA - Plugged Abandoned             |
| PP OIL       | ⊙ PGW - Producing Gas Well           |
| SECONDARY    | ⊙ POW - Producing Oil Well           |
| TERMINATED   | ⊙ RET - Returned APD                 |
| Fields       | ⊙ SGW - Shut-in Gas Well             |
| Sections     | ⊙ SOW - Shut-in Oil Well             |
| Township     | ⊙ TA - Temp. Abandoned               |
|              | ⊙ TW - Test Well                     |
|              | ⊙ WDW - Water Disposal               |
|              | ⊙ WJW - Water Injection Well         |
|              | ⊙ WSW - Water Supply Well            |



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

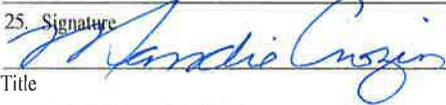
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No. 20G0005609	
6. If Indian, Allottee or Tribe Name UTE	
7. If Unit or CA Agreement, Name and No. NA	
8. Lease Name and Well No. Ute Tribal 4-8-4-1	
9. API Well No.	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Undesignated
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 8, T4S R1W
2. Name of Operator Newfield Production Company	
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW/NW 580' FNL 621' FWL At proposed prod. zone	
12. County or Parish Duchesne	
13. State UT	
14. Distance in miles and direction from nearest town or post office* Approximately 6.4 miles southeast of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 580' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease NA
17. Spacing Unit dedicated to this well 40 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 7,405'
20. BLM/BIA Bond No. on file RLB0010462	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5245' GL	22. Approximate date work will start* 3rd Qtr. 2010
23. Estimated duration (7) days from SPUD to rig release	

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 6/15/10
Title Regulatory Specialist		
Approved by (Signature)		
Name (Printed/Typed)		
Date		
Title		
Office		

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

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

(Continued on page 2)

\*(Instructions on page 2)

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 4-8-4-1  
NW/NW SECTION 8, T4S, R1W  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ute Tribal 4-8-4-1 located in the NW 1/4 NW 1/4 Section 8, T4S, R1W, Duchesne County, Utah:

Proceed in a southerly direction out of Myton, Utah - 3.4 miles  $\pm$  to the junction with an existing road to the east; proceed in an easterly direction - 2.8 miles  $\pm$  to its junction with the beginning of the proposed access road to the south; proceed southerly along the proposed access road - 1,199'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road. Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP)

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

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

All permanent surface equipment will be painted Carlsbad Canyon. Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

**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

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP). See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

8. **ANCILLARY FACILITIES**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

11. **SURFACE OWNERSHIP** – Ute Tribe (Proposed location and access road leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #09-081a, 7/21/09. Paleontological Resource Survey prepared by, SWCA, 7/15/09. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 1199' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 1165' of surface gas line to be granted. Newfield Production Company requests 1148' 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. For a ROW plan of development, please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

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 3160-5 form will be applied for through the Bureau of Land Management field office.

### **Water Disposal**

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

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

### **Threatened, Endangered, And Other Sensitive Species**

**Burrowing Owl:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

### **Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

### **Location and Reserve Pit Reclamation**

Please refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).

### **Details of the On-Site Inspection**

The proposed Ute Tribal 4-8-4-1 was re-onsited on 5/7/10. The following were present; Tim Eaton (Newfield Production), Audie Appawoo (Ute Tribe ), Bucky Secakuku (Bureau of Indian Affairs), Cory Miller (Tri-State Land Surveying and Consulting), Brian O'hearn (RANA), Benjamin Burger (S.W.C.A), and Keith Montgomery (Montgomery Archaeological Consultants). Weather conditions were clear and ground cover was 100% open.

### **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

#### Representative

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

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #4-8-4-1 at surface, NW/NW Section 8, Township 4S, Range 1W: Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage for this well is covered by the Bureau of Indian Affairs Bond #RLB0010462.

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 18 U.S.C. 1001 for the filing of a false statement.

6/15/10

Date



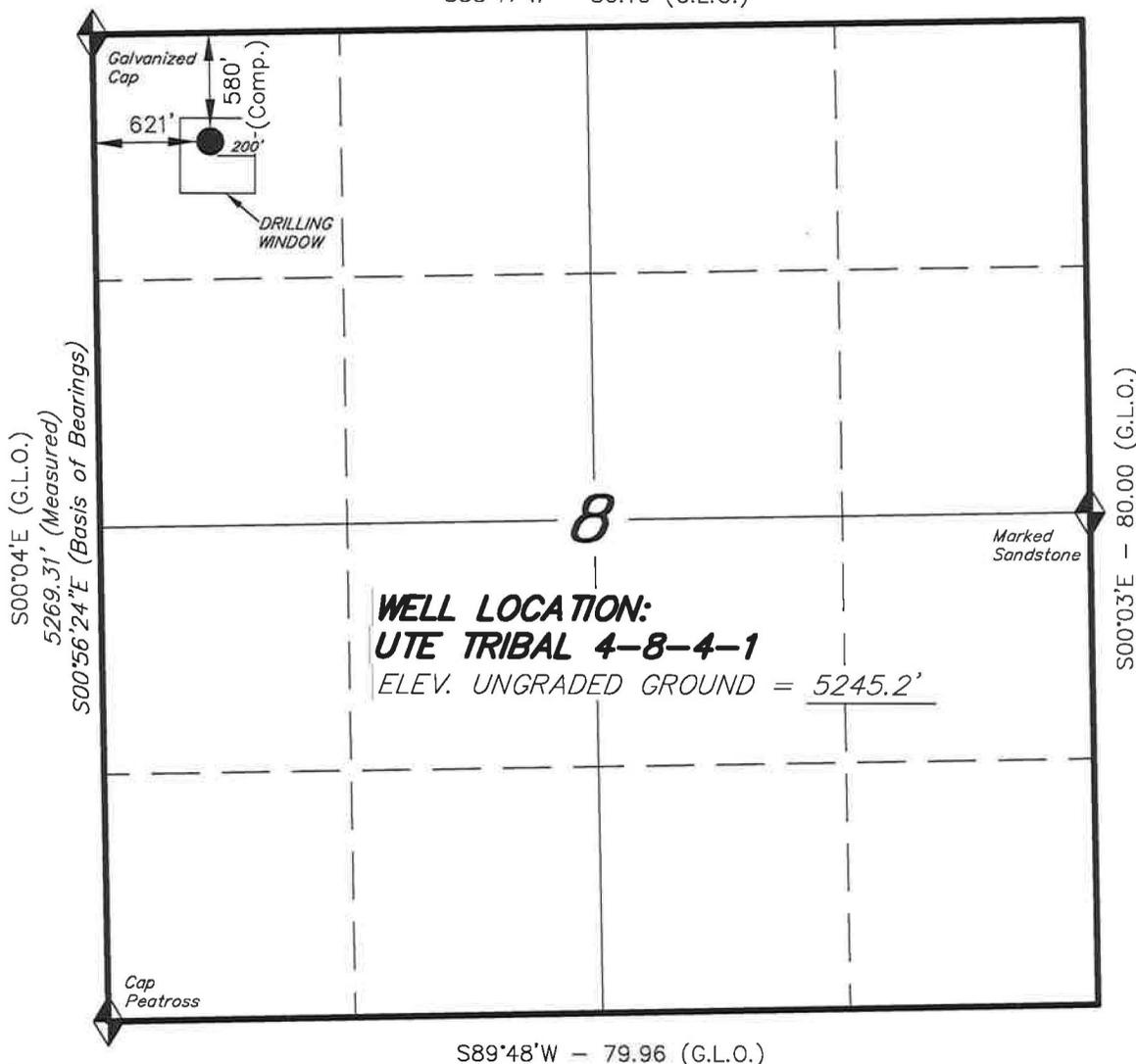
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

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

## NEWFIELD EXPLORATION COMPANY

S88°47'W - 80.10 (G.L.O.)

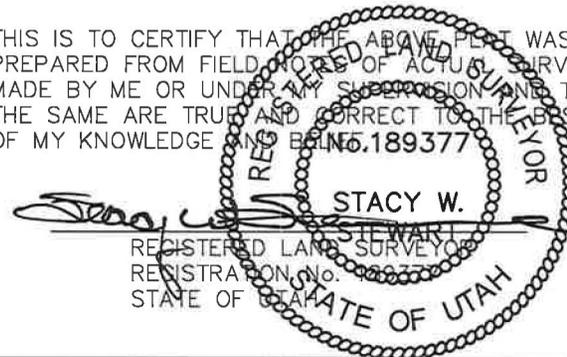
WELL LOCATION, UTE TRIBAL 4-8-4-1,  
LOCATED AS SHOWN IN THE NW 1/4 NW  
1/4 OF SECTION 8, T4S, R1W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH.



Note:  
1. The Proposed Well head bears  
S47°57'24"E 849.29' from the  
Northwest Corner of Section 8.



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.



**WELL LOCATION:**  
**UTE TRIBAL 4-8-4-1**  
ELEV. UNGRADED GROUND = 5245.2'

S89°48'W - 79.96 (G.L.O.)

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

DATE SURVEYED: 04-10-10	SURVEYED BY: T.P.
DATE DRAWN: 04-12-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

**UTE TRIBAL 4-8-4-1**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 09' 18.55"  
LONGITUDE = 110° 01' 39.16"

◆ = 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'

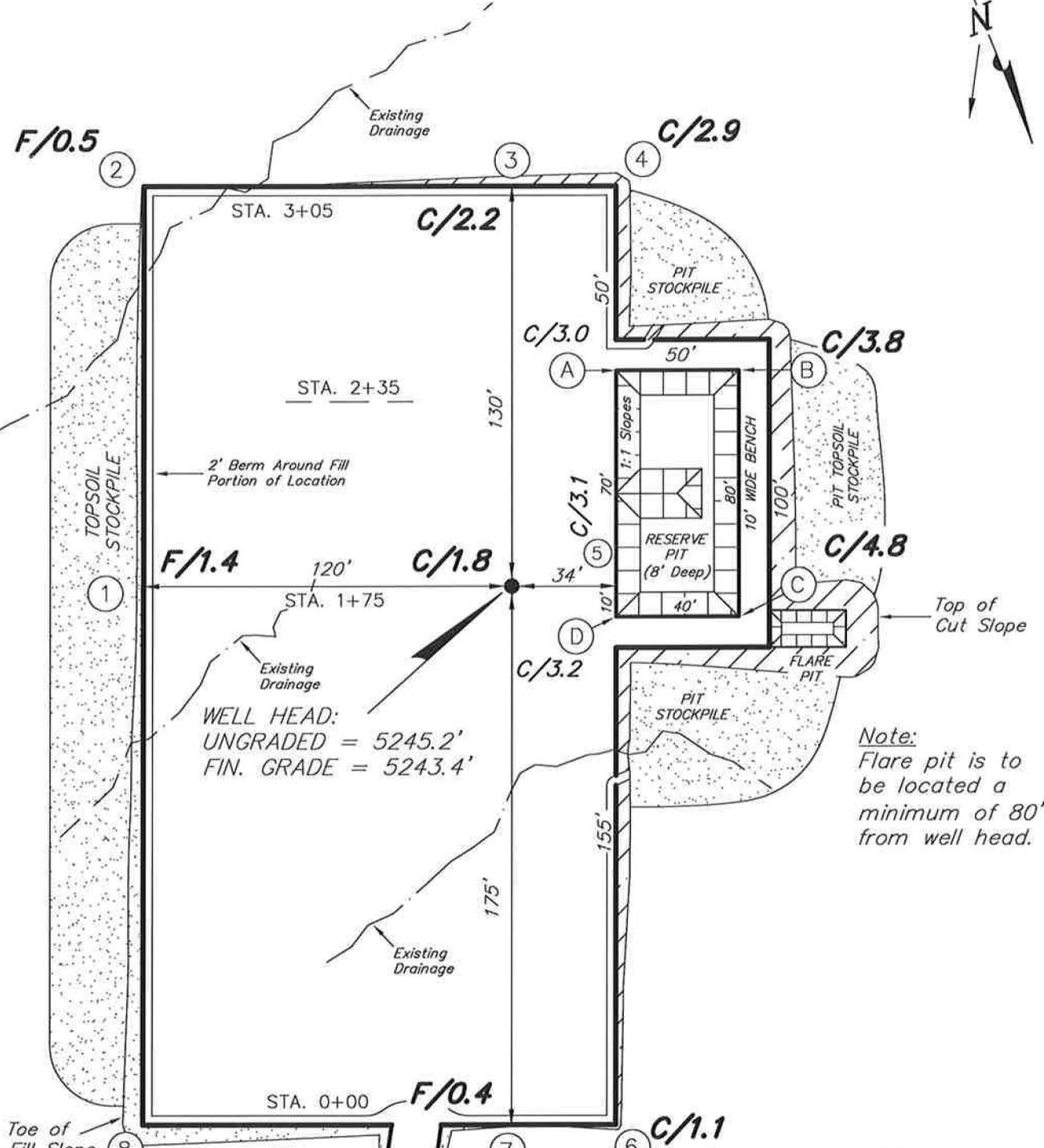
RECEIVED June 15, 2010

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

### UTE TRIBAL 4-8-4-1

Section 8, T4S, R1W, U.S.B.&M.



WELL HEAD:  
UNGRADED = 5245.2'  
FIN. GRADE = 5243.4'

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

REFERENCE POINTS	
180' SW	5244.5'
230' SW	5246.2'
170' SE	5240.7'
220' SE	5239.7'

SURVEYED BY: T.P.	DATE SURVEYED: 04-10-10
DRAWN BY: M.W.	DATE DRAWN: 04-12-10
SCALE: 1" = 50'	REVISED:

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

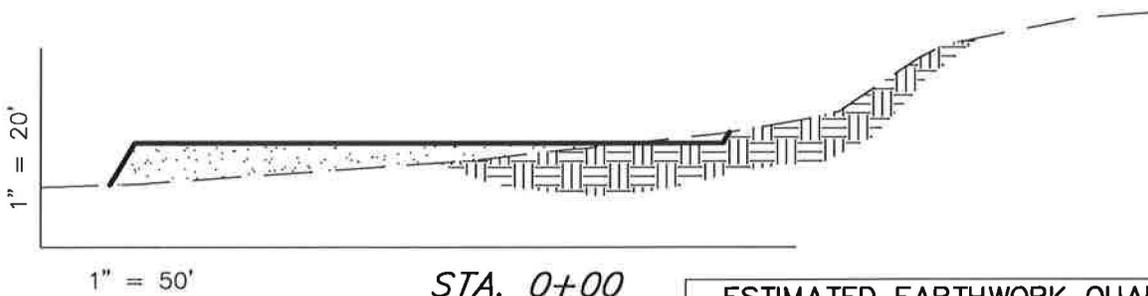
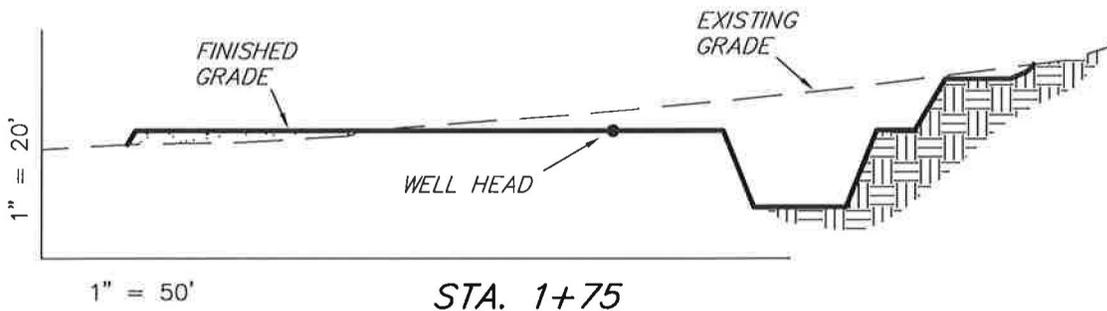
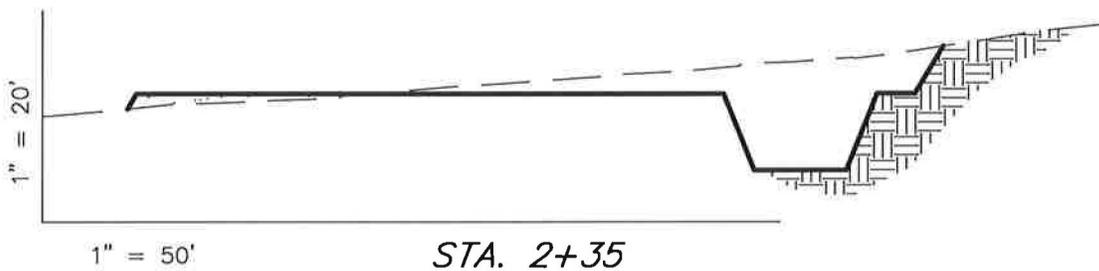
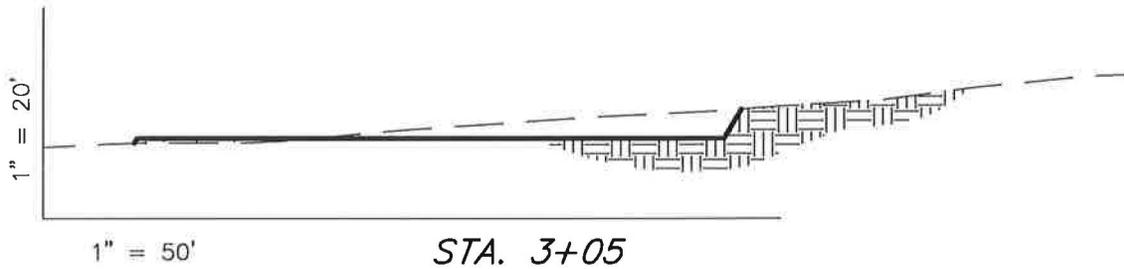
RECEIVED June 15, 2010

# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

### UTE TRIBAL 4-8-4-1

Section 8, T4S, R1W, U.S.B.&M.



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

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

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,710	1,710	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,350	1,710	1,050	640

SURVEYED BY: T.P. DATE SURVEYED: 04-10-10  
DRAWN BY: M.W. DATE DRAWN: 04-12-10  
SCALE: 1" = 50' REVISED:

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

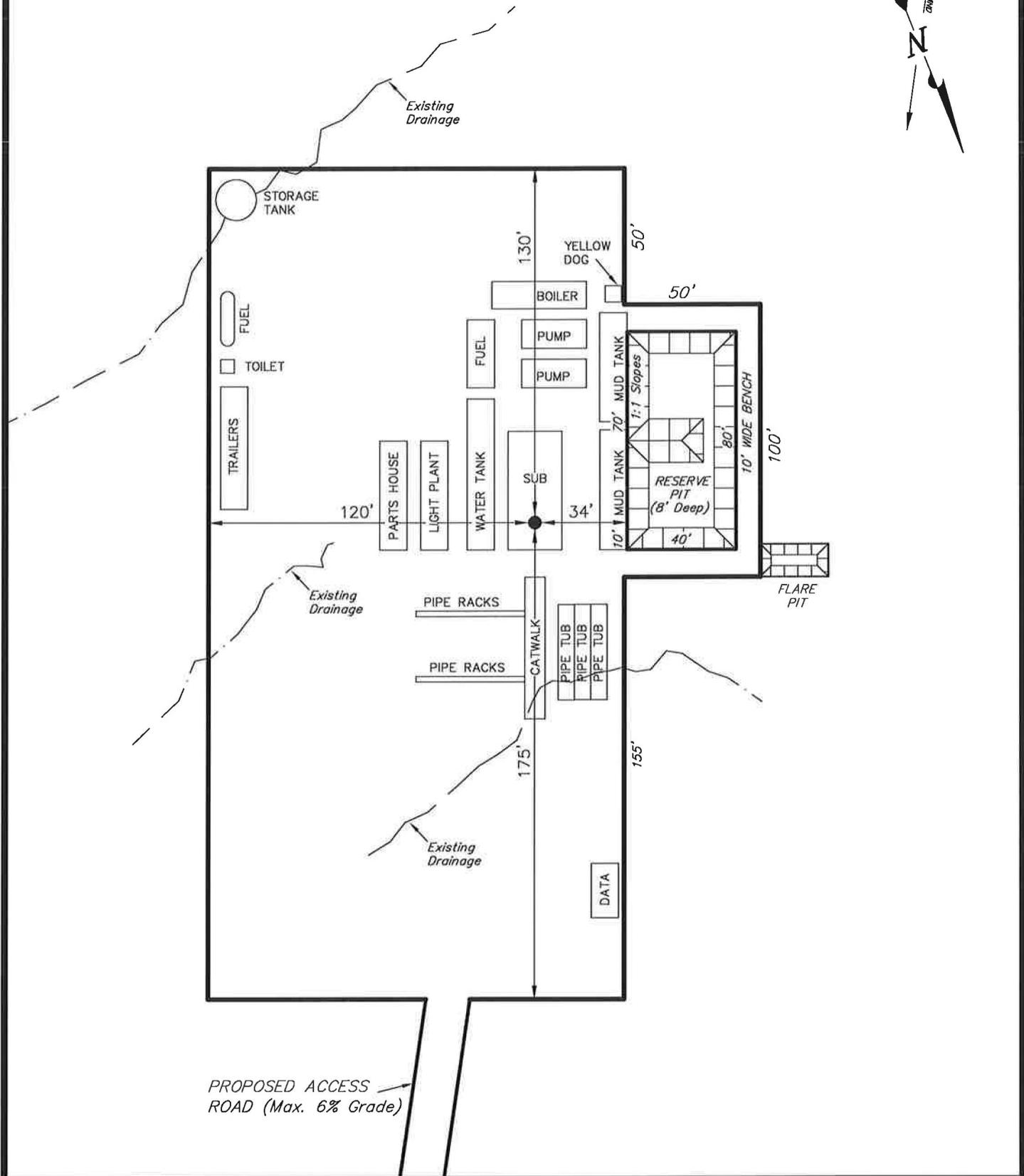
RECEIVED June 15, 2010

# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

### UTE TRIBAL 4-8-4-1

Section 8, T4S, R1W, U.S.B.&M.

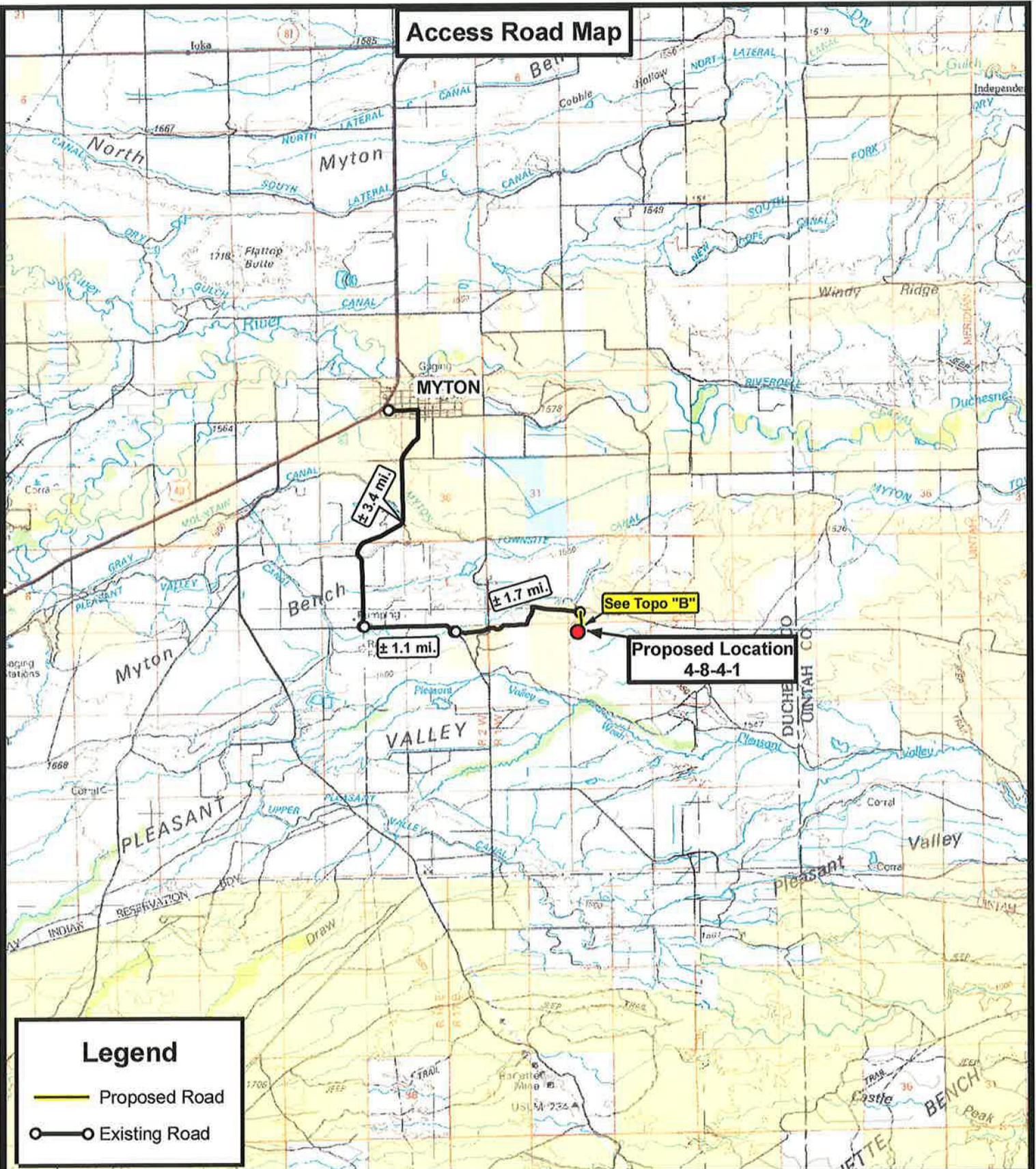


SURVEYED BY: T.P.	DATE SURVEYED: 04-10-10
DRAWN BY: M.W.	DATE DRAWN: 04-12-10
SCALE: 1" = 50'	REVISED:

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

**RECEIVED** June 15, 2010

# Access Road Map



**Legend**

- Proposed Road
- Existing Road

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



**NEWFIELD EXPLORATION COMPANY**

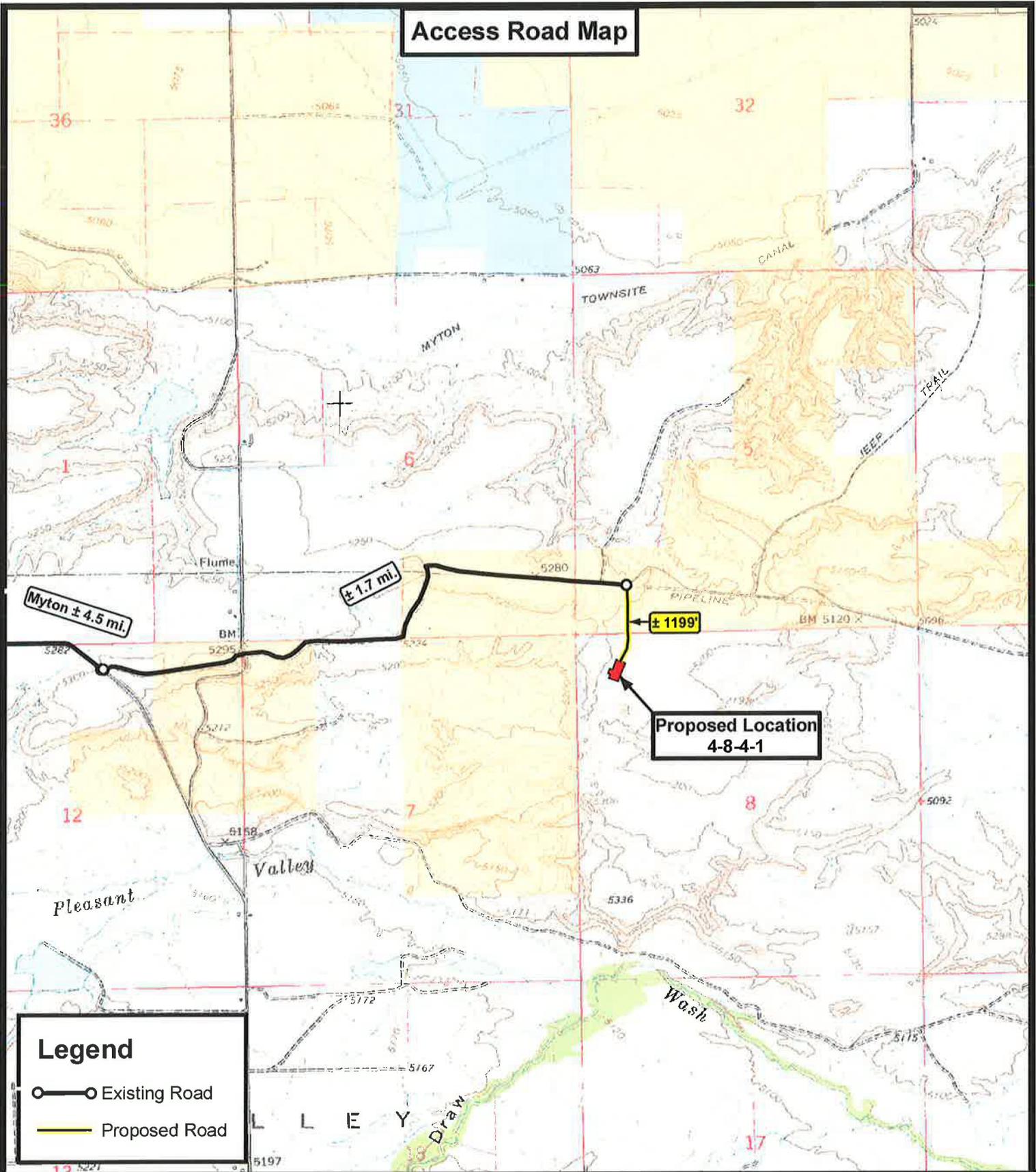
4-8-4-1  
 SEC. 8, T4S, R1W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	04-12-2010
SCALE:	1:100,000

**TOPOGRAPHIC MAP**

SHEET  
**A**

# 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



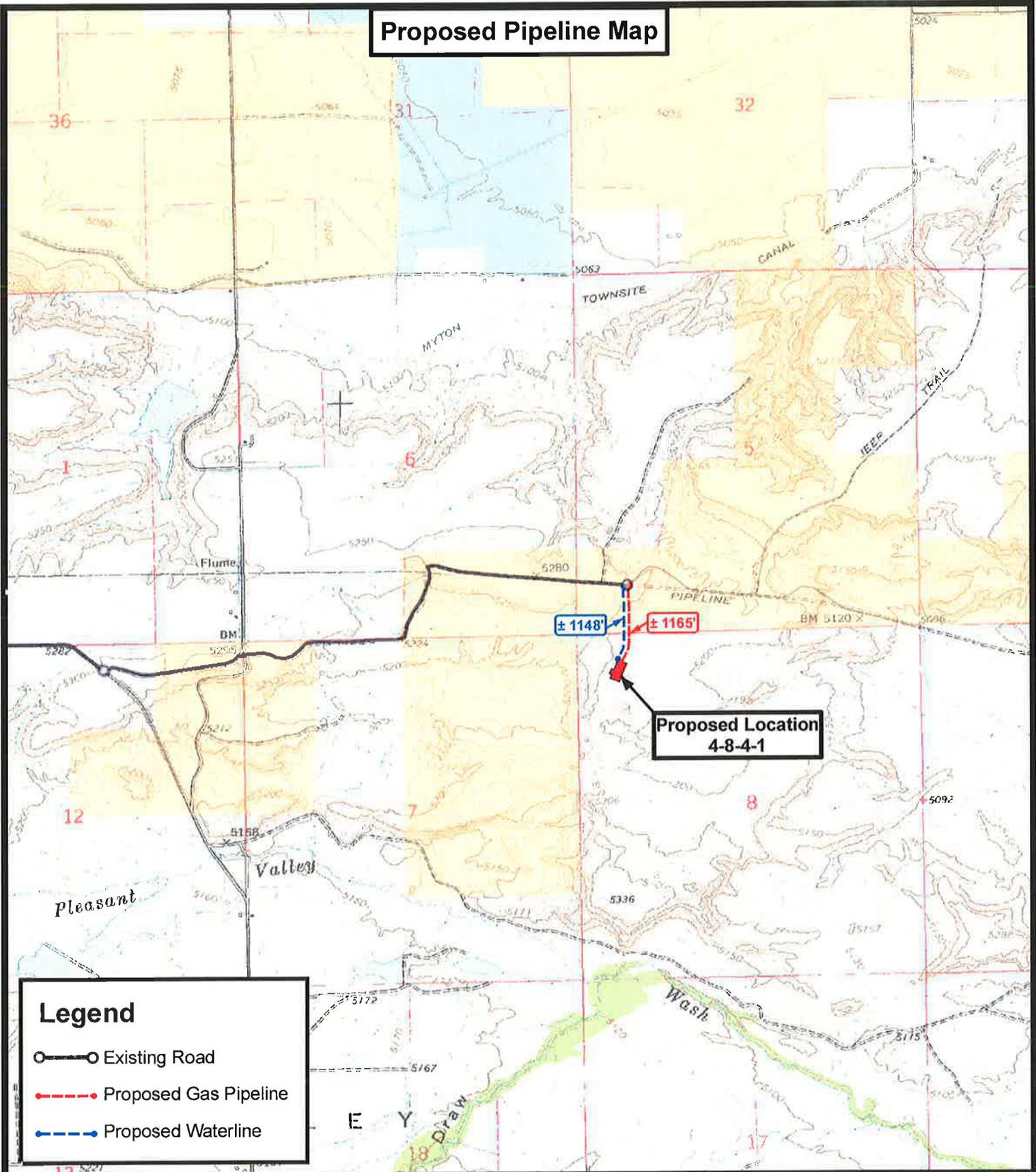
**NEWFIELD EXPLORATION COMPANY**  
 4-8-4-1  
 SEC. 8, T4S, R1W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY: C.H.M.  
 DATE: 04-12-2010  
 SCALE: 1" = 2,000'

**TOPOGRAPHIC MAP**  
 SHEET **B**

RECEIVED June 15, 2010

# Proposed Pipeline Map



**Legend**

- Existing Road
- Proposed Gas Pipeline
- Proposed Waterline



**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.
DATE:	04-12-2010
SCALE:	1" = 2,000'



**NEWFIELD EXPLORATION COMPANY**

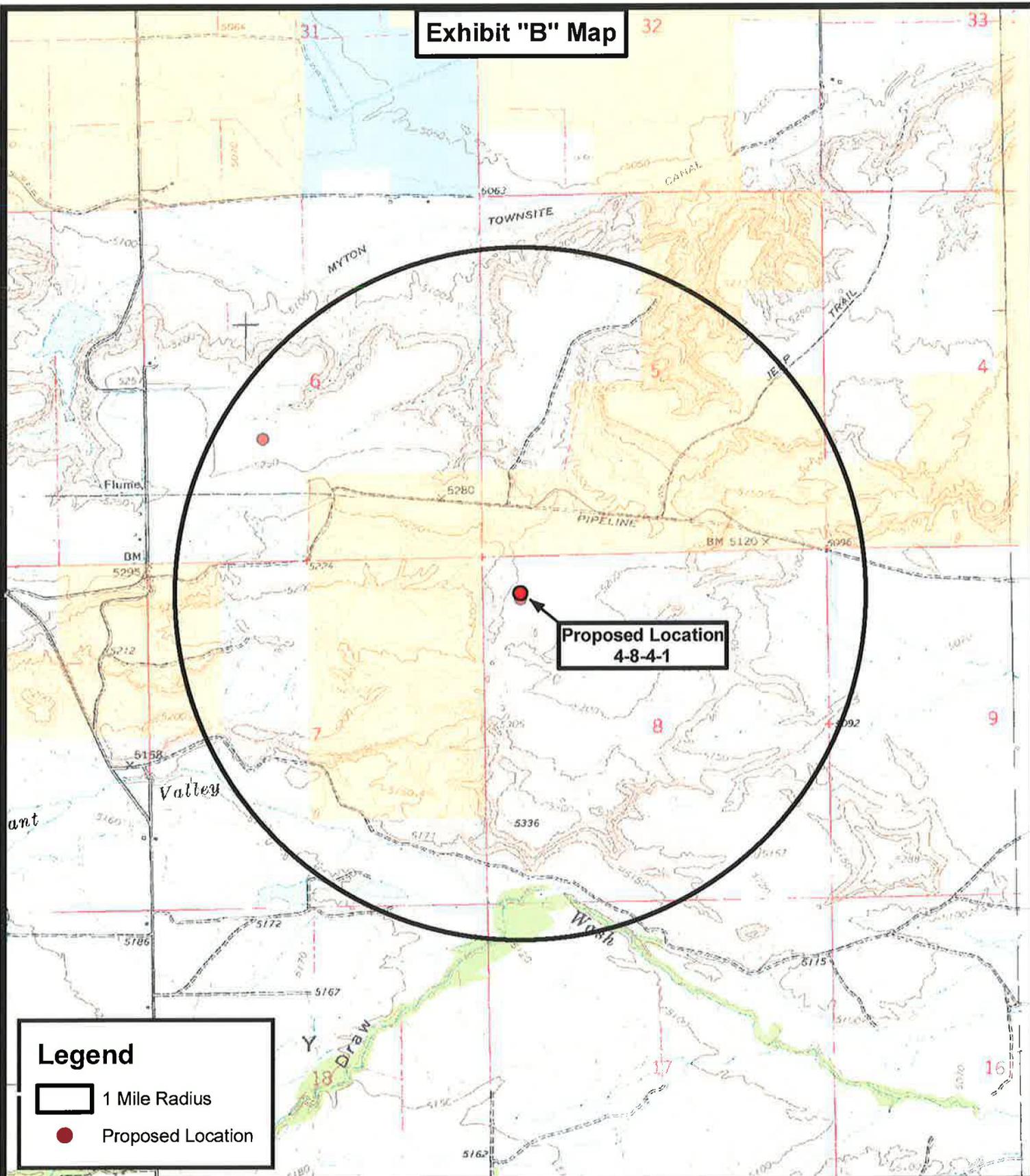
**4-8-4-1**  
**SEC. 8, T4S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

**TOPOGRAPHIC MAP**

SHEET **C**

RECEIVED June 15, 2010

Exhibit "B" Map



Proposed Location  
4-8-4-1

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**

4-8-4-1  
 SEC. 8, T4S, R1W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	04-12-2010
SCALE:	1" = 2,000'

**TOPOGRAPHIC MAP**

SHEET  
**D**

RECEIVED June 15, 2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005609
<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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Ute Tribal 4-8-4-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013501020000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0580 FNL 0621 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 08 Township: 04.0S Range: 01.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/29/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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 this well for one year.

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

Date: September 20, 2010

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> 9/13/2010	



**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 43013501020000**

**API:** 43013501020000

**Well Name:** Ute Tribal 4-8-4-1

**Location:** 0580 FNL 0621 FWL QTR NWNW SEC 08 TWP 040S RNG 010W MER U

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 9/29/2009

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

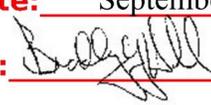
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 9/13/2010

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** September 20, 2010

**By:** 

**Federal Approval of this  
Action is Necessary**

<p><b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING</p>	<p align="right"><b>FORM 9</b></p>
<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.	
<b>1. TYPE OF WELL</b> Oil Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 20G0005609
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 4-8-4-1
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0580 FNL 0621 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 08 Township: 04.0S Range: 01.0W Meridian: U	<b>9. API NUMBER:</b> 43013501020000
	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/18/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Deepen"/>

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

Newfield proposes to increase the proposed TD for the Ute Tribal 4-8-4-1 from 7405 to 8600. The new proposed depth will be 1,195 deeper than originally permitted. Attached is the new drilling program reflecting this change.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
**Date:** 08/22/2011  
**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> 8/18/2011	

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 4-8-4-1  
NW/NW SECTION 8, T4S, R1W  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Green River	2,385'
Wasatch	7,405'
TD	8,600'

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

Green River Formation (Oil)	2,385' – 7,405'
Wasatch Formation (Oil)	7,405' – TD

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 275'. 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**

Description	Interval		Weight (lb/ft)	Grade	Coupling	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Design Factors		
	Top	Btm							Burst	Collapse	Tension
Surface 8-5/8"	0'	500'	24.0	J-55	STC	8.33	8.33	12.0	10.24	8.22	20.33
Prod 5-1/2"	0'	8,600'	17.0	N-80	LTC	8.5	9.0	-	2.83	2.30	2.38

Assumptions:

- 1) Surface casing MASP = (frac gradient + 1.0 ppg) - gas gradient
- 2) Production casing MASP (production mode) = reservoir pressure - gas gradient
- 3) All collapse calculations assume fully evacuated casing
- 4) All tension calculations assume air weight of casing

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. Cement Design**

Job	Hole Size	Fill	Description	FT <sup>3</sup> Sacks	OH Excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface Casing	12-1/4"	500'	Class G w/ 2% CaCl <sub>2</sub>	268 229	30%	15.8	1.17
Prod Casing Lead	7-7/8"	4,800'	Prem Lite II w/ 3% KCl, 10% Bentonite (or equivalent cement)	1081 306	30%	11.0	3.53
Prod Casing Tail	7-7/8"	3,800'	50/50 Poz Class G w/ 3% KCl, 2% Bentonite (or equivalent cement)	690 856	30%	14.3	1.25

\*Actual cement volumes will be calculated from open hole logs, plus 15% excess.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

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.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

The minimum diameter for conductor pipe shall be 13 3/8".

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

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

The minimum specifications for pressure control equipment will be a standard 3M System:

A 3000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and an annular preventer per **Exhibit C**.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system, and individual components shall be operable as designed.

Choke Manifold - The minimum equipment requirements are shown in **Exhibit C**. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure..

Drillstring Control Devices - An upper and lower kelly valve, drillstring safety valve including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drillstring valves shall be rated to the required BOP WP.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

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

From surface to ±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 ±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.

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

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

a. **Logging Program:**

(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL: TD - 4,800'

CBL: A cement bond log will be run from TD to the cement top of the production casing.  
A field copy will be submitted to the Vernal BLM Office.

b. **Cores:** As deemed necessary.

c. **Drill Stem Tests:** No DSTs are planned in the Green River/Wasatch section.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

There is no abnormal pressure or temperature expected. Maximum anticipated bottomhole pressure will be approximately equal total depth in feet multiplied by a 0.45 psi/foot gradient.

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

a. **Drilling Activity**

Anticipated Commencement Date:	Upon approval of the site specific APD.
Drilling Days:	Approximately 15 days.
Completion Days:	Approximately 12 - 20 days.

## **b. Notification of Operations**

The Vernal BLM office will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form 3160-5), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

**Immediate Report:** Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or BLM policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the BLM before resumption of operations.

Daily drilling and completion reports shall be submitted to the Vernal BLM Office on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing.. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM Office.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the Vernal BLM Office within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

Newfield requests approval for all variances to Onshore Oil and Gas Order No. 2 as sited in Section 9.0 of the Ute Tribe Green River Development Standard Operation Procedure (SOP).

3-M SYSTEM  
Blowout Prevention Equipment Systems

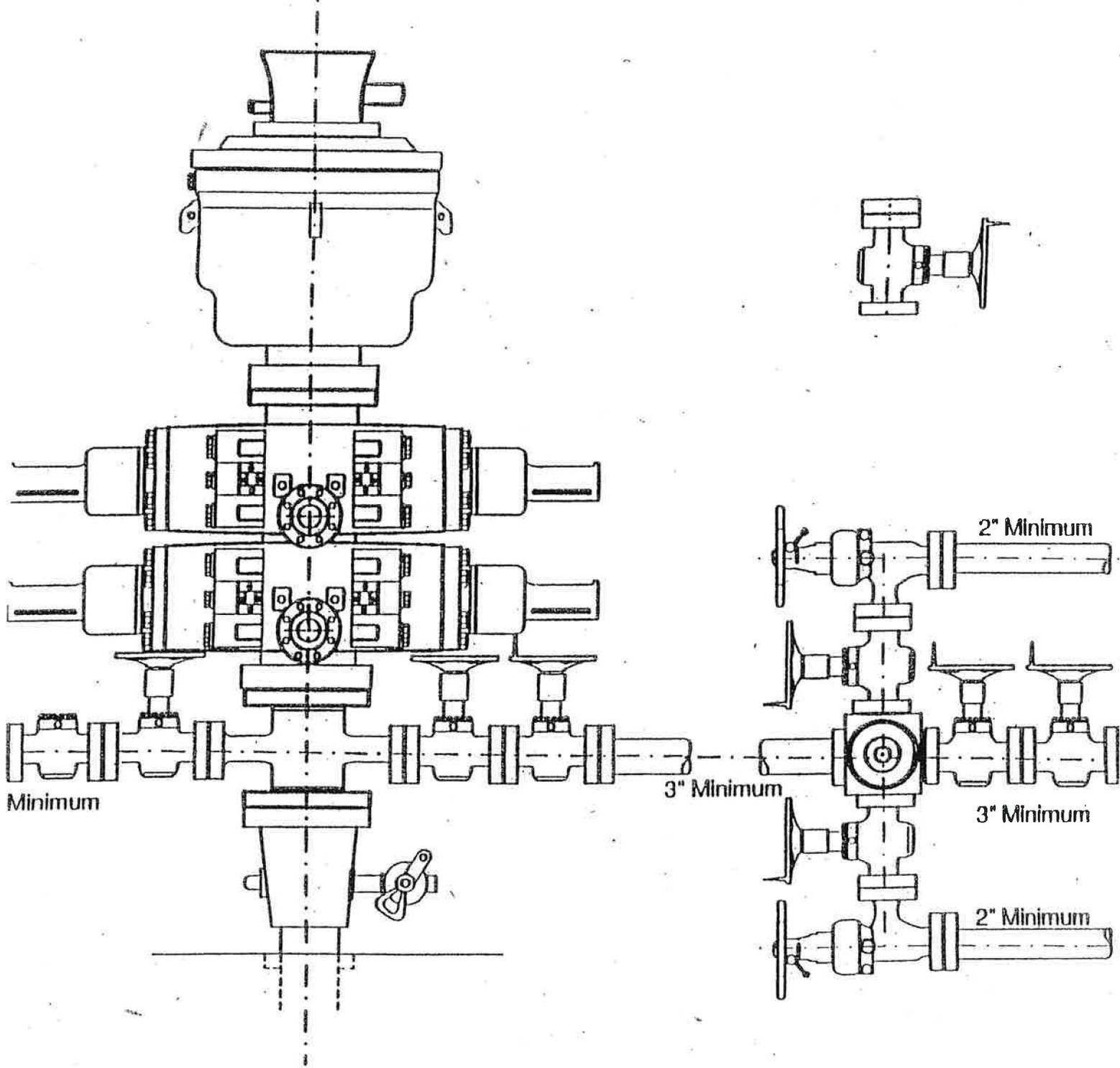


EXHIBIT C

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

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

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005609
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. NA
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	8. Lease Name and Well No. Ute Tribal 4-8-4-1
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NW/NW 580' FNL 621' FWL At proposed prod. zone		9. API Well No. 43-013-50102
14. Distance in miles and direction from nearest town or post office* Approximately 6.4 miles southeast of Myton, UT		10. Field and Pool, or Exploratory Undesignated
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 580' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease NA	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 8, T4S R1W
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA	19. Proposed Depth 7,405'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5245' GL	22. Approximate date work will start* 3rd Qtr. 2010	13. State UT
17. Spacing Unit dedicated to this well 40 Acres		
20. BLM/BIA Bond No. on file RLB0010462		
23. Estimated duration (7) days from SPUD to rig release		

24. Attachments

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

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

25. Signature	Name (Printed/Typed) Mandie Crozier	Date 6/15/10
Title Regulatory Specialist		

Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date AUG 17 2011
Title Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

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

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

(Continued on page 2)

**RECEIVED**

\*(Instructions on page 2)

AUG 23 2011

JIL, GAS & MINING

*Original 8/14/2009*  
**RECEIVED**

**UDOGM**

**NOTICE OF APPROVAL**

JUN 16 2010

**CONDITIONS OF APPROVAL ATTACHED** BLMVERNAL, UTAH



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** Ute Tribal 4-8-4-1  
**API No:** 43-013-50102

**Location:** NWNW, Sec.8, T4S R1W  
**Lease No:** 2OG0005609  
**Agreement:** N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be installed and maintained in the reserve pit.
- Any deviation from submitted APD's and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All permanent surface equipment (meaning on site for six months or longer) will be painted Covert Green to match the surrounding landscape color unless otherwise authorized. This would include all facilities except those required to comply with Occupational Safety and Health Act (OSHA) regulations.
- Reclamation will be completed in accordance with the recontouring and reseeding procedures outlined in the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM, unless otherwise specified by the private surface owner.

**SITE SPECIFIC CONDITIONS OF APPROVAL**

- The operator will strictly adhere to all Stipulations and Conditions of Approval associated with the Bureau of Indian Affairs Site-Specific Environmental Assessment of Ute Tribal 4-8-4-1.
- The operator will refer to the Ute Tribe Green River Development Program Standard Operating Practices (SOP).
- The Ute Tribe Energy & Minerals Department is to be notified, in writing, 48 hours prior to construction.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The operator understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The operator shall assure the Ute Tribe "ALL CONTRACTORS, INCLUDING SUBCONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.

- Any deviation of submitted APD's and ROW applications the operator will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The operator will implement "Safety and Emergency Plan." The operator's safety director will ensure its compliance.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.
- Logging: A Gamma Ray well log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.
- A copy of Newfield's Standard Operating Practices (SOP version: dated 4/18/08 and approved 5/12/08) shall be on location.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and

Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent

Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

**5. LEASE DESIGNATION AND SERIAL NUMBER:**  
20G0005609

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**  
Ute

**7. UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**  
Oil Well

**8. WELL NAME and NUMBER:**  
UTE TRIBAL 4-8-4-1

**2. NAME OF OPERATOR:**  
NEWFIELD PRODUCTION COMPANY

**9. API NUMBER:**  
43013501020000

**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052  
**PHONE NUMBER:** 435 646-4825 Ext

**9. FIELD and POOL or WILDCAT:**  
WILDCAT

**4. LOCATION OF WELL**  
**FOOTAGES AT SURFACE:**  
0580 FNL 0621 FWL  
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**  
Qtr/Qtr: NWNW Section: 08 Township: 04.0S Range: 01.0W Meridian: U

**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"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/29/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<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"/> <b>SPUD REPORT</b> Date of Spud:	<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"/> <b>DRILLING REPORT</b> Report Date:	<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 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 for one year.

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

**Date:** 09/07/2011

**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> 9/6/2011	



**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 43013501020000**

**API:** 43013501020000

**Well Name:** UTE TRIBAL 4-8-4-1

**Location:** 0580 FNL 0621 FWL QTR NWNW SEC 08 TWP 040S RNG 010W MER U

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 9/29/2009

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:** 9/6/2011

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

<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: 2OG0005609
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute
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: UTE TRIBAL 4-8-4-1WH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0575 FNL 0621 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 08 Township: 04.0S Range: 01.0W Meridian: U	9. API NUMBER: 43013501020000
9. FIELD and POOL or WILDCAT: WINDY RIDGE	COUNTY: DUCHESNE
9. API NUMBER: 43013501020000	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"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/20/2013</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Change to original APD"/>

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

On 02/07/2012 a sundry was originally submitted to revise the original APD from a vertical well to a **Horizontal well**. The sundry was somehow lost in the system. This is a re-submittal: The newly proposed well name will be the Ute Tribal 4-8-4-1WH Newly **proposed surface hole location will be NW/NW 575' FNL and 621' FWL** Newly proposed bottom hole location will be SW/SW 670' FSL and 670' FWL Attached is the new APD package reflecting this change.

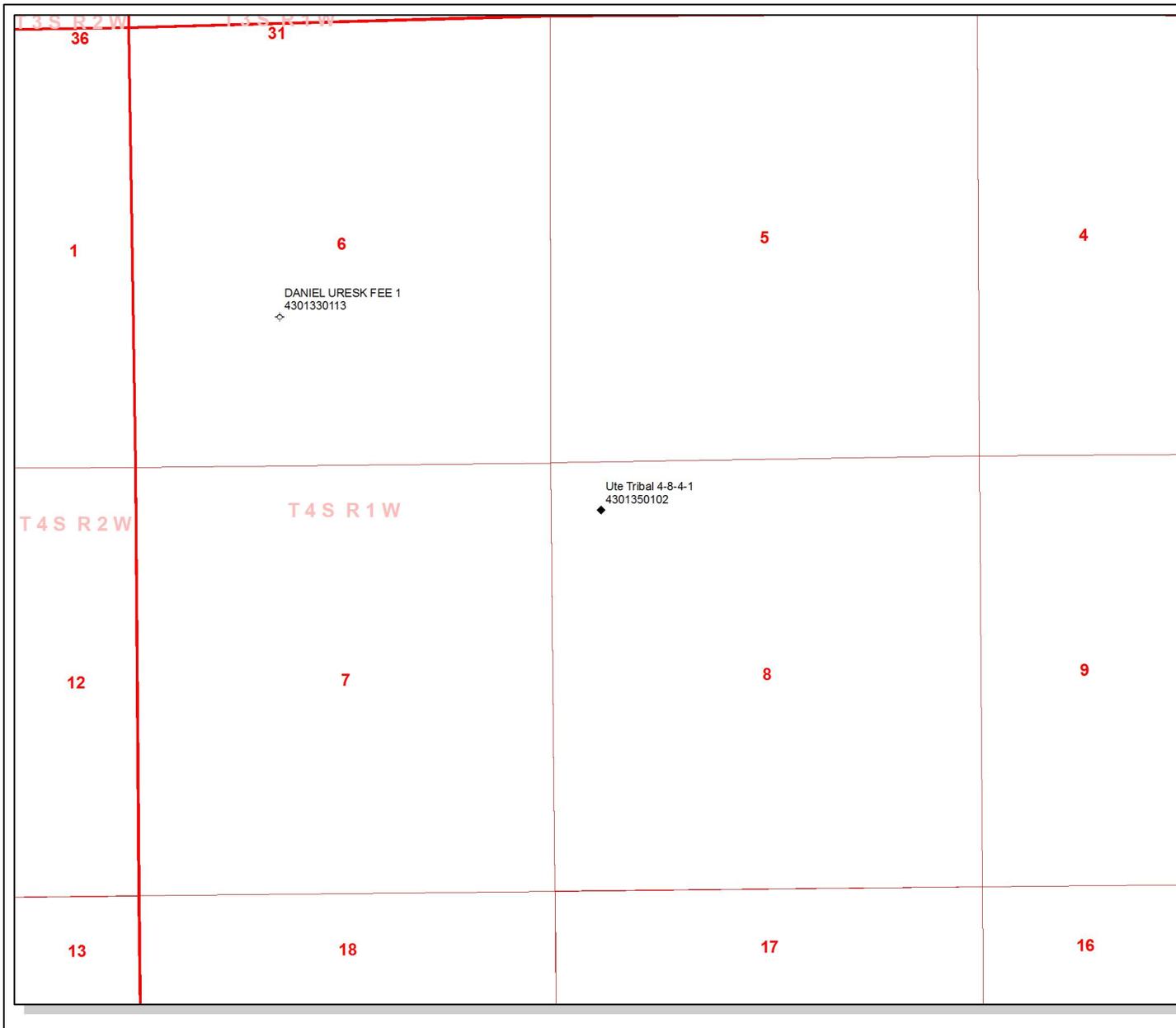
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** June 24, 2013

**By:** 



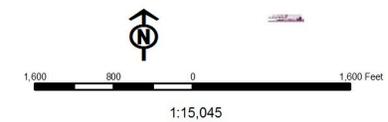
NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 6/20/2013	



**API Number: 4301350102**  
**Well Name: Ute Tribal 4-8-4-1**  
**Township 04.0 S Range 01.0 W Section 8**  
**Meridian: UBM**  
 Operator: NEWFIELD PRODUCTION COMPANY

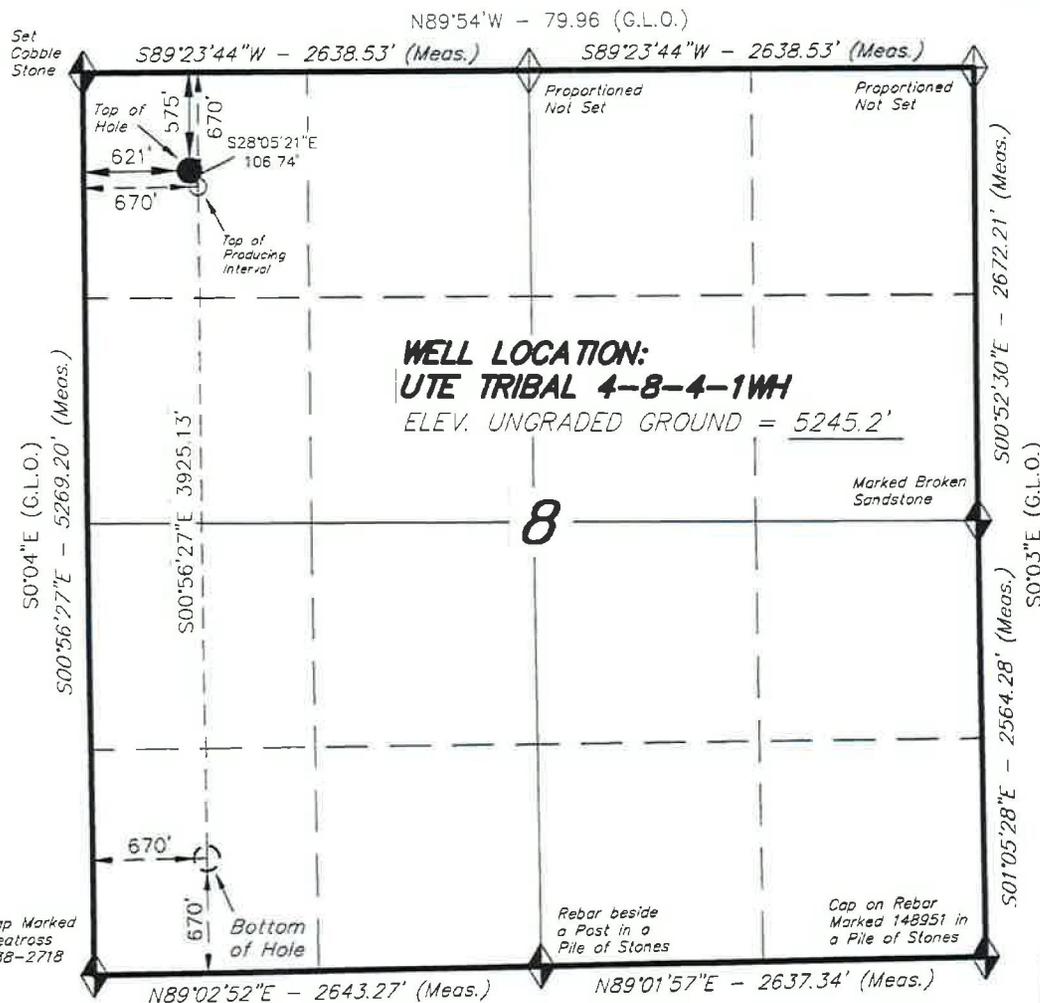
Map Prepared:  
 Map Produced by Diana Mason

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



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

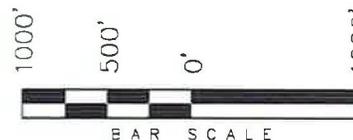
# NEWFIELD EXPLORATION COMPANY



**WELL LOCATION:**  
**UTE TRIBAL 4-8-4-1WH**  
 ELEV. UNGRADED GROUND = 5245.2'

WELL LOCATION, UTE TRIBAL 4-8-4-1WH, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 8, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

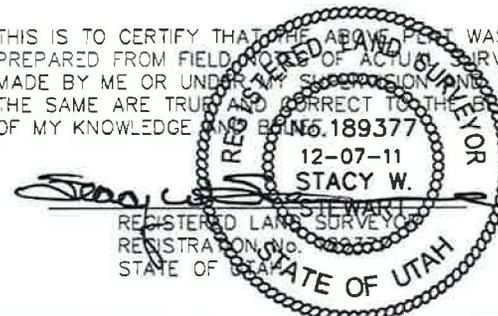
TARGET BOTTOM HOLE, UTE TRIBAL 4-8-4-1WH, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 8, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



**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 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.



**TRI STATE LAND SURVEYING & CONSULTING**

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

◆ = 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'

**UTE TRIBAL 4-8-4-1WH**  
 (Surface Location) NAD 83  
 LATITUDE = 40° 09' 18.55"  
 LONGITUDE = 110° 01' 39.16"

DATE SURVEYED: 04-10-10	SURVEYED BY: T.P.	VERSION:
DATE DRAWN: 04-12-10	DRAWN BY: M.W.	V2
REVISED: 12-06-11 F.T.M.	SCALE: 1" = 1000'	

**Newfield Production Company**  
**Ute Tribal 4-8-4-1WH**  
**Surface Hole Location: 575' FNL, 621' FWL, Section 8, T4S, R1W**  
**Bottom Hole Location: 670' FSL, 670' FWL, Section 8, T4S, R1W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	2,716'
Garden Gulch member	4,996'
Wasatch	7,715'
Pilot Hole TD	7,975'
Lateral TD	7,383' TVD / 11,465' MD

**2. Depth to Oil, Gas, Water, or Minerals**

Base of moderately saline	388'	(water)
Green River	4,996' - 7,383'	(oil)

Note: The pilot hole will be drilled into the Wasatch formation for evaluation and targeting purposes only. The lateral will be drilled in the Green River formation.

**3. Pressure Control**

Section                      BOP Description

Surface                      12-1/4" diverter

Interm/Prod                The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Conductor 14	0'	60'	37	H-40	Weld	--	--	--	--	--	--
Surface 9 5/8	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520 6.27	2,020 6.35	394,000 10.94
Intermediate 7	0'	7,625' 7,959'	26	P-110	BTC	10	10.5	15	9,960 3.11	6,210 1.83	853,000 4.12
Production 4 1/2	7,055'	7,383' 11,465'	13.5	P-110	BTC	10	10.5	--	12,410 4.00	10,670 3.24	422,000 7.09

**Assumptions:**

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Intermediate casing MASP = (reservoir pressure) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

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

**5. Cement**

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41	15%	15.8	1.17
				35			
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180	15%	11.0	3.53
				51			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Pilot Hole Plug Back	8 3/4	870'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	418	15%	14.3	1.24
				337			
Intermediate Lead	8 3/4	3,996'	Premium Lite II w/ 3% KCl + 10% bentonite	691	15%	11.0	3.53
				196			
Intermediate Tail	8 3/4	2,963'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	512	15%	14.3	1.24
				413			
Production	6 1/8	--	Liner will not be cemented. It will be isolated with a liner top packer.	--	--	--	--
				--			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the pilot hole plug back and the intermediate casing string will be calculated from an open hole caliper log, plus 15% excess.

The production liner will be left uncemented. Individual frac stages will be isolated with open hole packers. A liner top hanger and packer will be installed 50' above KOP.

**6. Type and Characteristics of Proposed Circulating Medium****Interval****Description**

Surface - 1,000'

An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

1,000' - TD      A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.  
Anticipated maximum mud weight is      10.5 ppg.

**7. Logging, Coring, and Testing**

**Logging:**      A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

**Cores:**      As deemed necessary.

**DST:**      There are no DST's planned for this well.

**8. Anticipated Abnormal Pressure or Temperature**

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.52 psi/ft gradient.

$$7,383' \times 0.52 \text{ psi/ft} = 3839 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

**9. Other Aspects**

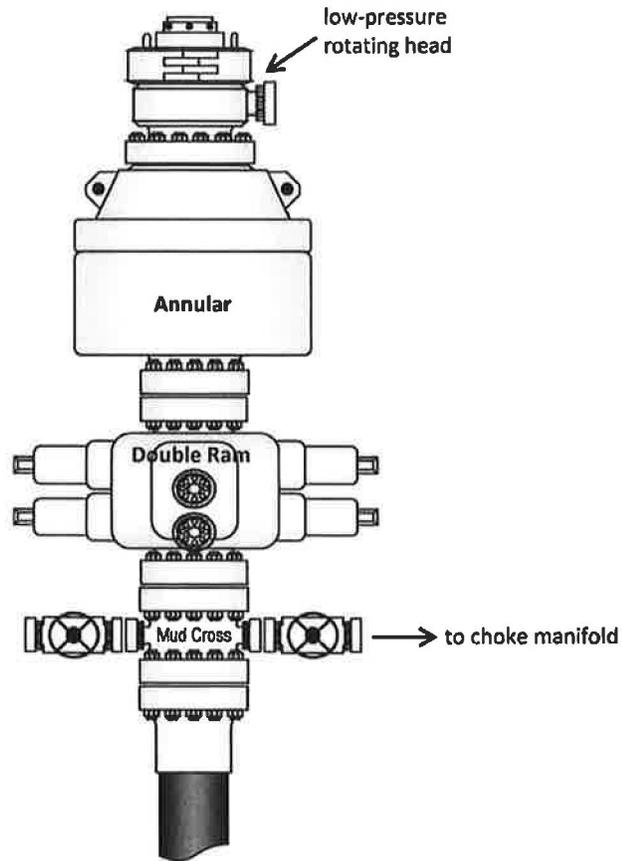
An 8-3/4" pilot hole will be drilled in order to determine the depth to the lateral target zone. The pilot hole will be logged, and then plugged back in preparation for horizontal operations. Directional tools will then be used to build to 93.95 degrees inclination. The 7" intermediate casing string will be set once the well is landed horizontally in the target zone.

The lateral will be drilled to the bottomhole location shown on the plat. A liner with a system of open hole packers will be used to provide multi-stage frac isolation in the lateral. The top of the liner will be placed 50' above KOP and will be isolated with a liner top packer.

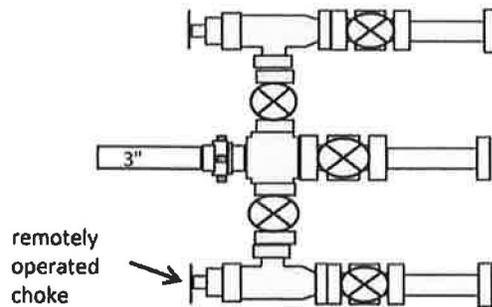
Newfield requests the following variances from Onshore Order #2:

- Variance from Onshore Order #2, III.E.1  
Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

**Typical 5M BOP stack configuration**



**Typical 5M choke manifold configuration**



**NEWFIELD**



**NEWFIELD EXPLORATION CO.**  
DUCHESNE COUNTY, UT

**TRIBAL 4-8-4-1WH**

**Plan: Design #1**

**Standard Survey Report**

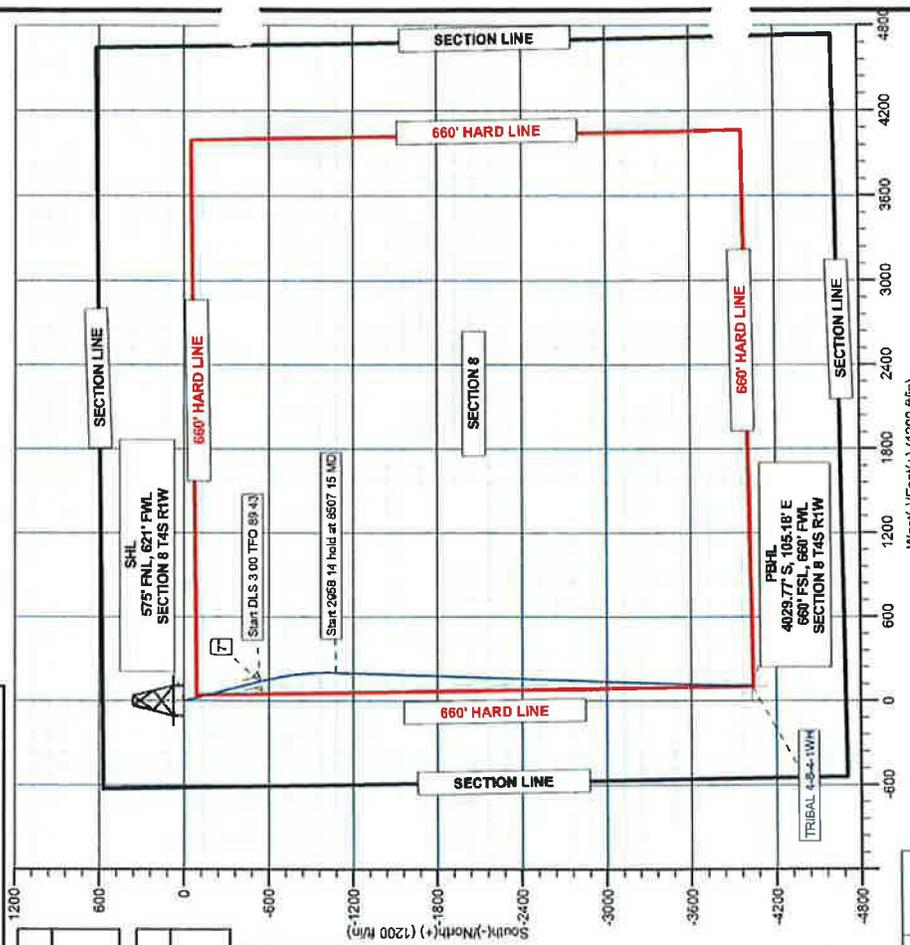
**31 JANUARY, 2012**



**Weatherford®**



Project: DUCHESNE COUNTY, UT  
 Site: TRIBAL 4-8-4-1WH  
 Wellbore: TRIBAL 4-8-4-1WH  
 Design: Design #1  
 Latitude: 40° 9' 18.550 N  
 Longitude: 110° 1' 39.160 W  
 GL: 5245.20  
 KB: WELL @ 5263.20R (PIONEER 62)



WELLBORE TARGET DETAILS (LAT/LONG)			
Name	TVD	+N/-S	+E/-W
PBHL TRIBAL 4-8-4-1WH	7383.00	-4029.77	105.18
Shape Point		40° 8' 38.724 N	110° 1' 37.805 W

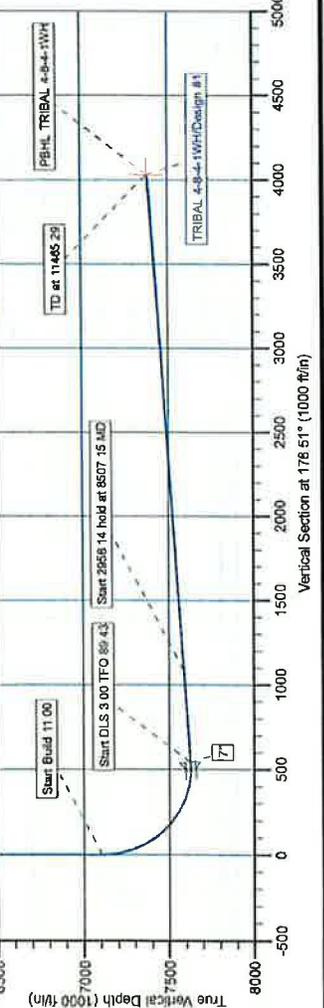
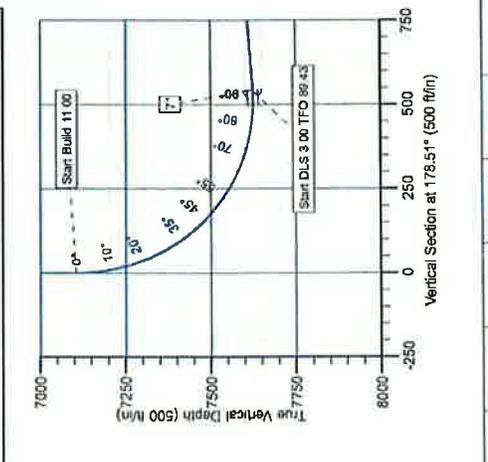
  

WELL DETAILS: TRIBAL 4-8-4-1WH			
	Ground Level:	Latitude	Longitude
	5245.20	40° 9' 18.550 N	110° 1' 39.160 W

SECTION DETAILS					
MD	Inc	Azi	TVD	+E/-W	Dleg TFace VSec
0.00	0.00	0.00	0.00	0.00	0.00
7105.00	0.00	7105.00	0.00	0.00	0.00
7959.07	93.95	165.38	7624.64	-538.70	140.52
8507.15	93.95	181.86	7586.65	-1080.21	201.06
11465.29	93.95	181.86	7383.00	-4029.77	105.18

Azimuth to True North  
 Magnetic North: 11.27  
 Magnetic Field  
 Strength: 52226.88nT  
 Dip Angle: 65.86°  
 Date: 1/31/2012  
 Model: BCGM2011

CASING DETAILS	
TVD	Name Size
7624.647959.07	7" 7



Plan: Design #1 (TRIBAL 4-8-4-1WH/TRIBAL 4-8-4-1WH)  
 Created By: TRACY WILLIAMS Date: 10:04, January 31 2012

**NEWFIELD**



**NEWFIELD EXPLORATION CO.**

**DUCHESNE COUNTY, UT**

**TRIBAL 4-8-4-1WH**

**TRIBAL 4-8-4-1WH**

**TRIBAL 4-8-4-1WH**

**Plan: Design #1**

**Standard Planning Report**

**31 January, 2012**



**Weatherford®**



**Weatherford International Ltd.**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Site TRIBAL 4-8-4-1WH
<b>Company:</b>	NEWFIELD EXPLORATION CO.	<b>TVD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Project:</b>	DUCHESNE COUNTY, UT	<b>MD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Site:</b>	TRIBAL 4-8-4-1WH	<b>North Reference:</b>	True
<b>Well:</b>	TRIBAL 4-8-4-1WH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	TRIBAL 4-8-4-1WH		
<b>Design:</b>	Design #1		

<b>Project</b>	DUCHESNE COUNTY, UT		
<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>	TRIBAL 4-8-4-1WH				
<b>Site Position:</b>		<b>Northing:</b>	7,228,626.75 ft	<b>Latitude:</b>	40° 9' 18.550 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,051,955.25 ft	<b>Longitude:</b>	110° 1' 39.160 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.94 °

<b>Well</b>	TRIBAL 4-8-4-1WH					
<b>Well Position</b>	+N/-S	0.00 ft	<b>Northing:</b>	7,228,626.75 ft	<b>Latitude:</b>	40° 9' 18.550 N
	+E/-W	0.00 ft	<b>Easting:</b>	2,051,955.25 ft	<b>Longitude:</b>	110° 1' 39.160 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	5,245.20 ft

<b>Wellbore</b>	TRIBAL 4-8-4-1WH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2011	1/31/2012	11.27	65.86	52,227

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	178.51

<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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,105.00	0.00	0.00	7,105.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,959.07	93.95	165.38	7,624.64	-538.70	140.52	11.00	11.00	0.00	165.38	
8,507.15	93.95	181.86	7,586.65	-1,080.21	201.06	3.00	0.00	3.01	89.43	
11,465.29	93.95	181.86	7,383.00	-4,029.77	105.18	0.00	0.00	0.00	0.00	PBHL TRIBAL 4-8-



**Weatherford International Ltd.**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Site TRIBAL 4-8-4-1WH
<b>Company:</b>	NEWFIELD EXPLORATION CO.	<b>TVD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Project:</b>	DUCHESNE COUNTY, UT	<b>MD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Site:</b>	TRIBAL 4-8-4-1WH	<b>North Reference:</b>	True
<b>Well:</b>	TRIBAL 4-8-4-1WH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	TRIBAL 4-8-4-1WH		
<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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00



Weatherford International Ltd.  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Site TRIBAL 4-8-4-1WH
<b>Company:</b>	NEWFIELD EXPLORATION CO.	<b>TVD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Project:</b>	DUCHESNE COUNTY, UT	<b>MD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Site:</b>	TRIBAL 4-8-4-1WH	<b>North Reference:</b>	True
<b>Well:</b>	TRIBAL 4-8-4-1WH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	TRIBAL 4-8-4-1WH		
<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)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 11.00</b>									
7,105.00	0.00	0.00	7,105.00	0.00	0.00	0.00	0.00	0.00	0.00
7,150.00	4.95	165.38	7,149.94	-1.88	0.49	1.89	11.00	11.00	0.00
7,200.00	10.45	165.38	7,199.47	-8.36	2.18	8.41	11.00	11.00	0.00
7,250.00	15.95	165.38	7,248.13	-19.40	5.06	19.53	11.00	11.00	0.00
7,300.00	21.45	165.38	7,295.48	-34.91	9.11	35.13	11.00	11.00	0.00
7,350.00	26.95	165.38	7,341.07	-54.73	14.28	55.09	11.00	11.00	0.00
7,400.00	32.45	165.38	7,384.48	-78.70	20.53	79.20	11.00	11.00	0.00
7,450.00	37.95	165.38	7,425.32	-106.57	27.80	107.26	11.00	11.00	0.00
7,500.00	43.45	165.38	7,463.21	-138.11	36.03	139.00	11.00	11.00	0.00
7,550.00	48.95	165.38	7,497.81	-173.02	45.13	174.13	11.00	11.00	0.00
7,600.00	54.45	165.38	7,528.79	-210.97	55.03	212.33	11.00	11.00	0.00
7,650.00	59.95	165.38	7,555.86	-251.62	65.64	253.25	11.00	11.00	0.00
7,700.00	65.45	165.38	7,578.78	-294.60	76.85	296.50	11.00	11.00	0.00
7,750.00	70.95	165.38	7,597.35	-339.50	88.56	341.70	11.00	11.00	0.00
7,800.00	76.45	165.38	7,611.37	-385.92	100.67	388.41	11.00	11.00	0.00
7,850.00	81.95	165.38	7,620.74	-433.43	113.06	436.23	11.00	11.00	0.00
7,900.00	87.45	165.38	7,625.36	-481.58	125.62	484.69	11.00	11.00	0.00
7,950.00	92.95	165.38	7,625.18	-529.94	138.24	533.37	11.00	11.00	0.00
<b>Start DLS 3.00 TFO 89.43 - 7"</b>									
7,959.07	93.95	165.38	7,624.64	-538.70	140.52	542.19	11.00	11.00	0.00
8,000.00	93.96	166.61	7,621.81	-578.32	150.40	582.05	3.00	0.03	3.01
8,100.00	93.98	169.62	7,614.89	-675.93	170.95	680.16	3.00	0.02	3.01
8,200.00	93.99	172.63	7,607.94	-774.48	186.34	779.08	3.00	0.01	3.01
8,300.00	93.99	175.63	7,600.99	-873.71	196.55	878.54	3.00	0.00	3.01
8,400.00	93.97	178.64	7,594.05	-973.33	201.53	978.26	3.00	-0.01	3.01
<b>Start 2958.14 hold at 8507.15 MD</b>									
8,507.15	93.95	181.86	7,586.65	-1,080.21	201.06	1,085.09	3.00	-0.02	3.01
8,600.00	93.95	181.86	7,580.25	-1,172.79	198.05	1,177.56	0.00	0.00	0.00
8,700.00	93.95	181.86	7,573.37	-1,272.50	194.81	1,277.15	0.00	0.00	0.00
8,800.00	93.95	181.86	7,566.48	-1,372.21	191.57	1,376.74	0.00	0.00	0.00
8,900.00	93.95	181.86	7,559.60	-1,471.92	188.33	1,476.33	0.00	0.00	0.00
9,000.00	93.95	181.86	7,552.72	-1,571.63	185.09	1,575.92	0.00	0.00	0.00
9,100.00	93.95	181.86	7,545.83	-1,671.34	181.85	1,675.51	0.00	0.00	0.00
9,200.00	93.95	181.86	7,538.95	-1,771.05	178.61	1,775.11	0.00	0.00	0.00
9,300.00	93.95	181.86	7,532.06	-1,870.76	175.36	1,874.70	0.00	0.00	0.00



**Weatherford International Ltd.**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Site TRIBAL 4-8-4-1WH
<b>Company:</b>	NEWFIELD EXPLORATION CO.	<b>TVD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Project:</b>	DUCHESNE COUNTY, UT	<b>MD Reference:</b>	WELL @ 5263.20ft (PIONEER 62)
<b>Site:</b>	TRIBAL 4-8-4-1WH	<b>North Reference:</b>	True
<b>Well:</b>	TRIBAL 4-8-4-1WH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	TRIBAL 4-8-4-1WH		
<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)	Bull Rate (°/100ft)	Turn Rate (°/100ft)
9,400.00	93.95	181.86	7,525.18	-1,970.47	172.12	1,974.29	0.00	0.00	0.00
9,500.00	93.95	181.86	7,518.30	-2,070.18	168.88	2,073.88	0.00	0.00	0.00
9,600.00	93.95	181.86	7,511.41	-2,169.89	165.64	2,173.47	0.00	0.00	0.00
9,700.00	93.95	181.86	7,504.53	-2,269.60	162.40	2,273.06	0.00	0.00	0.00
9,800.00	93.95	181.86	7,497.64	-2,369.31	159.16	2,372.66	0.00	0.00	0.00
9,900.00	93.95	181.86	7,490.76	-2,469.02	155.92	2,472.25	0.00	0.00	0.00
10,000.00	93.95	181.86	7,483.87	-2,568.73	152.68	2,571.84	0.00	0.00	0.00
10,100.00	93.95	181.86	7,476.99	-2,668.44	149.43	2,671.43	0.00	0.00	0.00
10,200.00	93.95	181.86	7,470.11	-2,768.15	146.19	2,771.02	0.00	0.00	0.00
10,300.00	93.95	181.86	7,463.22	-2,867.86	142.95	2,870.61	0.00	0.00	0.00
10,400.00	93.95	181.86	7,456.34	-2,967.57	139.71	2,970.21	0.00	0.00	0.00
10,500.00	93.95	181.86	7,449.45	-3,067.28	136.47	3,069.80	0.00	0.00	0.00
10,600.00	93.95	181.86	7,442.57	-3,166.99	133.23	3,169.39	0.00	0.00	0.00
10,700.00	93.95	181.86	7,435.68	-3,266.70	129.99	3,268.98	0.00	0.00	0.00
10,800.00	93.95	181.86	7,428.80	-3,366.41	126.75	3,368.57	0.00	0.00	0.00
10,900.00	93.95	181.86	7,421.92	-3,466.12	123.50	3,468.16	0.00	0.00	0.00
11,000.00	93.95	181.86	7,415.03	-3,565.83	120.26	3,567.76	0.00	0.00	0.00
11,100.00	93.95	181.86	7,408.15	-3,665.54	117.02	3,667.35	0.00	0.00	0.00
11,200.00	93.95	181.86	7,401.26	-3,765.25	113.78	3,766.94	0.00	0.00	0.00
11,300.00	93.95	181.86	7,394.38	-3,864.96	110.54	3,866.53	0.00	0.00	0.00
11,400.00	93.95	181.86	7,387.49	-3,964.67	107.30	3,966.12	0.00	0.00	0.00
<b>TD at 11465.29 - PBHL TRIBAL 4-8-4-1WH</b>									
11,465.29	93.95	181.86	7,383.00	-4,029.77	105.18	4,031.14	0.00	0.00	0.00

**Design Targets**

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target - Shape PBHL TRIBAL 4-8-4-1 - plan hits target center - Point	0.00	0.00	7,383.00	-4,029.77	105.18	7,224,599.27	2,052,126.75	40° 8' 38.724 N	110° 1' 37.805 W

**Casing Points**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,959.07	7,624.64	7"	7	8-3/4

**Plan Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates	Comment
		+N/-S (ft) +E/-W (ft)	
7,105.00	7,105.00	0.00 0.00	Start Build 11.00
7,959.07	7,624.64	-538.70 140.52	Start DLS 3.00 TFO 89.43
8,507.15	7,586.65	-1,080.21 201.06	Start 2958.14 hold at 8507.15 MD
11,465.29	7,383.00	-4,029.77 105.18	TD at 11465.29

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 4-8-4-1WH  
SURFACE HOLE LOCATION: NW/NW SECTION 8, T4S, R1W  
BOTTOM HOLE LOCATION: SW/SW SECTION 8, T4S, R1W  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ute Tribal 4-8-4-1WH located in the NW 1/4 NW 1/4 Section 8, T4S, R1W, Duchesne County, Utah:

Proceed in a southerly direction out of Myton, Utah - 3.4 miles  $\pm$  to the junction with an existing road to the east; proceed in an easterly direction - 2.8 miles  $\pm$  to its junction with the beginning of the proposed access road to the south; proceed southerly along the proposed access road - 1,199'  $\pm$  to the proposed well location.

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. Any necessary fill material for repair will be purchase and hauled from private sources.

**2. PLANNED ACCESS ROAD**

Approximately 1,199' of access road is proposed for the proposed well. See attached **Topographic Map "B"**.

The proposed access road will be an 20' crown road (10' 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 from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

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 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. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

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

A portable toilet will be provided for human waste.

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

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.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

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** – Ute Tribe (Proposed location and access road leading to).

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #09-081a, 7/21/09. Paleontological Resource Survey prepared by, SWCA, 7/15/09. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 1199' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 1166' of surface gas line to be granted. Newfield Production Company requests 1149' 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 3160-5 form will be applied for through the Bureau of Land Management field office.

### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw 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, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal 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.

### **Details of the On-Site Inspection**

The proposed Ute Tribal 4-8-4-1WH was re-onsited on 5/7/10. The following were present; Tim Eaton (Newfield Production), Audie Appawoo (Ute Tribe), Bucky Secakuku (Bureau of Indian Affairs), Cory Miller (Tri-State Land Surveying and Consulting), Brian O'hearn (RANA), Benjamin Burger (S.W.C.A), and Keith Montgomery (Montgomery Archaeological Consultants). Weather conditions were clear and ground cover was 100% open.

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Ute Tribal 4-8-4-1WH, 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 Ute Tribal 4-8-4-1WH, 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 as well as the Ute Tribe Energy and Mineral Department shall be notified upon site completion prior to moving on the drilling rig.

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

Representative

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

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #4-8-4-1WH at surface, NW/NW Section 8, Township 4S, Range 1W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage for this well is covered by the Bureau of Indian Affairs Bond #RLB0010462.

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.

Date 2/7/13 6/20/13

  
Mandie Crozier  
Regulatory Analyst  
Newfield Production Company

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

### UTE TRIBAL 4-8-4-1WH

Pad Location: NWNW Section 8, T4S, R1W, U.S.B.&M.

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
4-8-4-1WH	40° 09' 18.55"	110° 01' 39.16"



**TOP HOLE FOOTAGES**

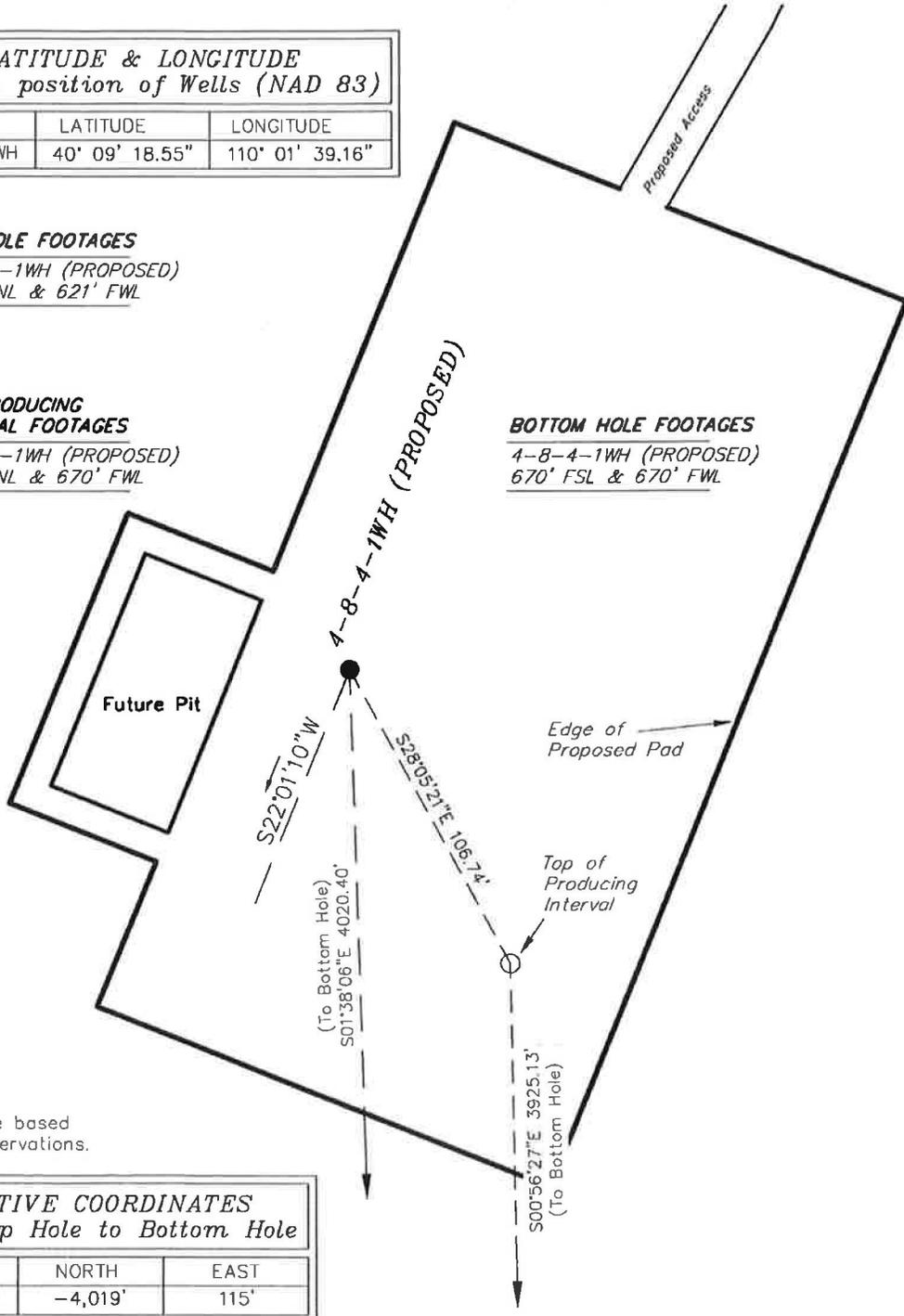
4-8-4-1WH (PROPOSED)  
575' FNL & 621' FWL

**TOP PRODUCING  
INTERVAL FOOTAGES**

4-8-4-1WH (PROPOSED)  
670' FNL & 670' FWL

**BOTTOM HOLE FOOTAGES**

4-8-4-1WH (PROPOSED)  
670' FSL & 670' FWL



**Note:**  
Bearings are based  
on GPS Observations.

**RELATIVE COORDINATES  
From Top Hole to Bottom Hole**

WELL	NORTH	EAST
4-8-4-1WH	-4,019'	115'

SURVEYED BY: T.P.	DATE SURVEYED: 04-10-10	VERSION: V2
DRAWN BY: F.T.M.	DATE DRAWN: 12-06-11	
SCALE: 1" = 50'	REVISED:	

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

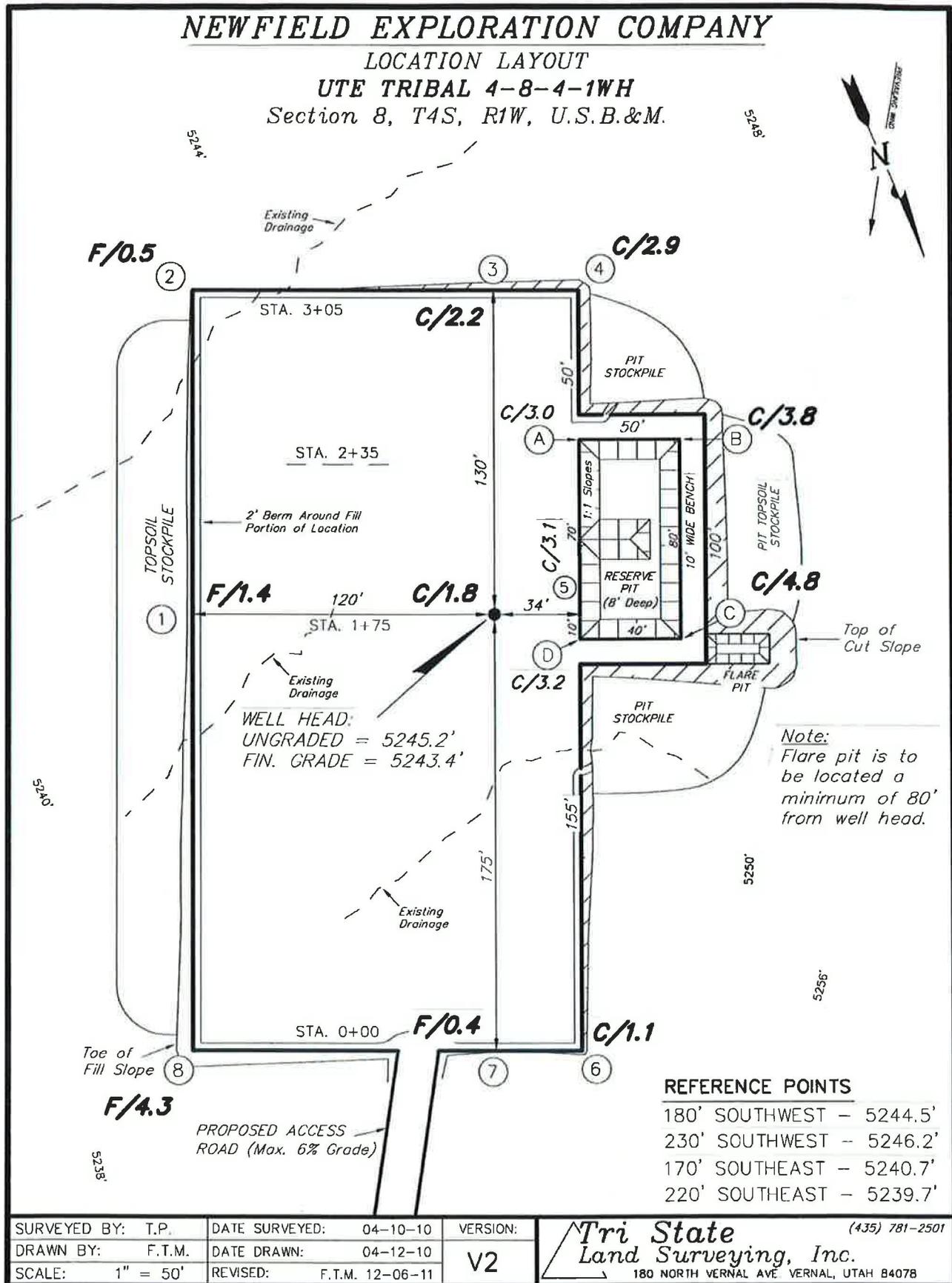
(435) 781-2501

# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

### UTE TRIBAL 4-8-4-1WH

Section 8, T4S, R1W, U.S.B.&M.



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

#### REFERENCE POINTS

- 180' SOUTHWEST - 5244.5'
- 230' SOUTHWEST - 5246.2'
- 170' SOUTHEAST - 5240.7'
- 220' SOUTHEAST - 5239.7'

SURVEYED BY: T.P.	DATE SURVEYED: 04-10-10	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-12-10	V2
SCALE: 1" = 50'	REVISED: F.T.M. 12-06-11	

(435) 781-2501

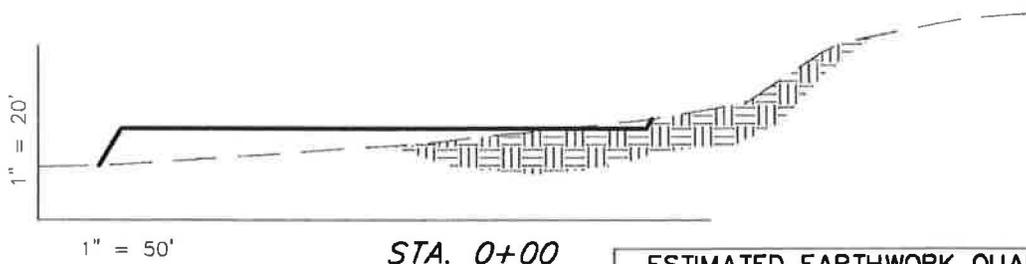
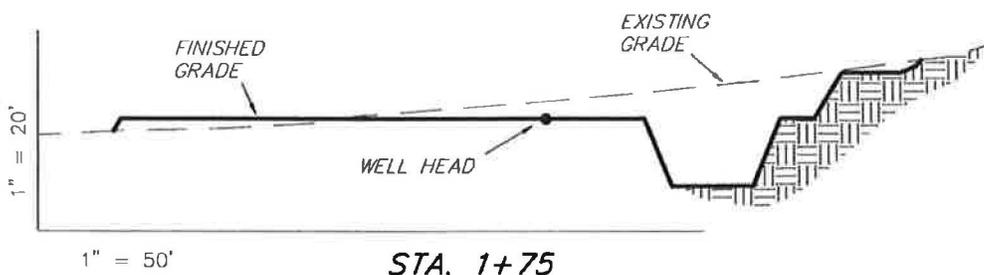
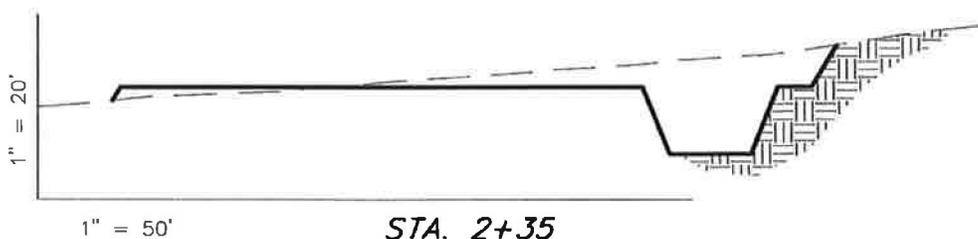
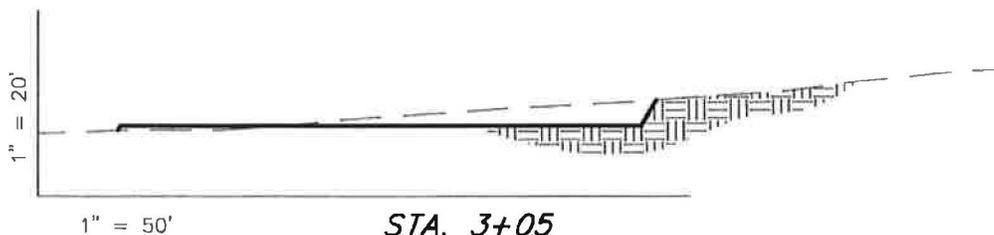
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

### UTE TRIBAL 4-8-4-1WH

Section 8, 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	1,710	1,710	Topsoil is not included in Pad Cut	0
PIT	640	0		640
<b>TOTALS</b>	<b>2,350</b>	<b>1,710</b>	<b>1,050</b>	<b>640</b>

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

SURVEYED BY: T.P.	DATE SURVEYED: 04-10-10	VERSION: V2
DRAWN BY: F.T.M.	DATE DRAWN: 04-12-10	
SCALE: 1" = 50'	REVISED: F.T.M. 12-06-11	

(435) 781-2501

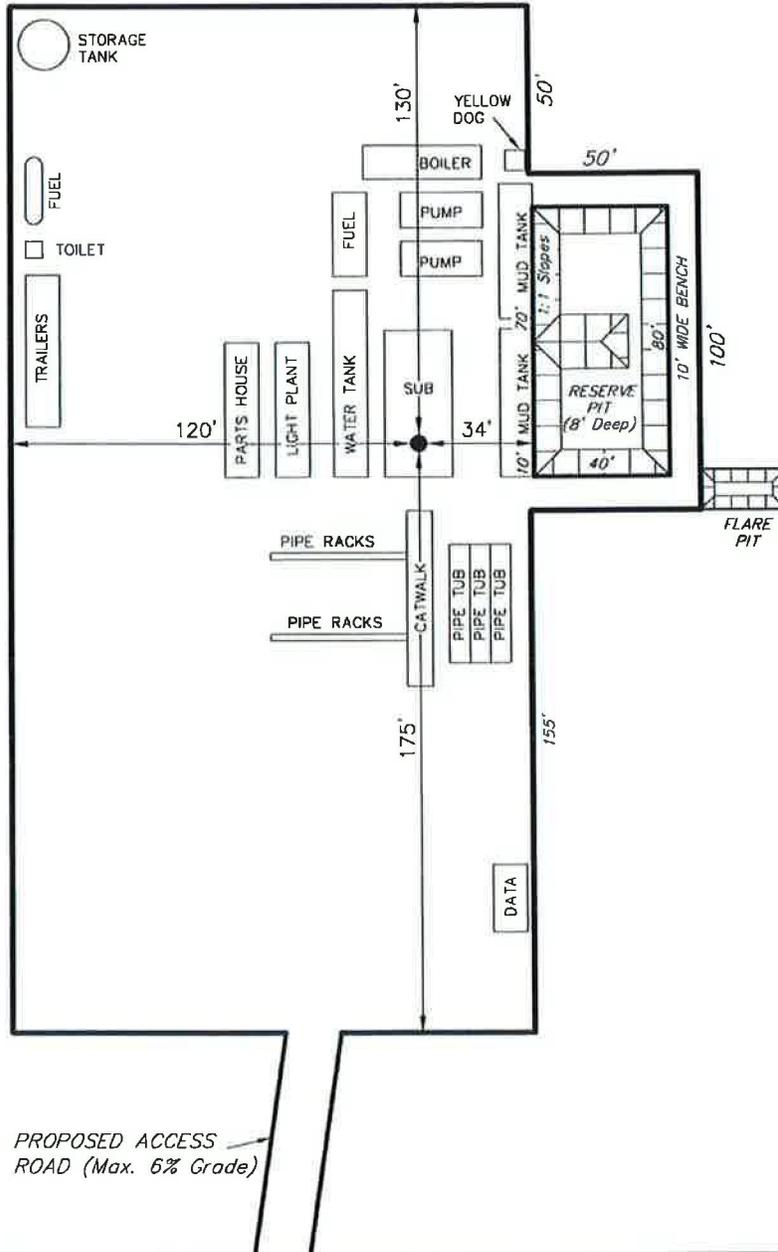
**Tri State**  
*Land Surveying, Inc.*  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

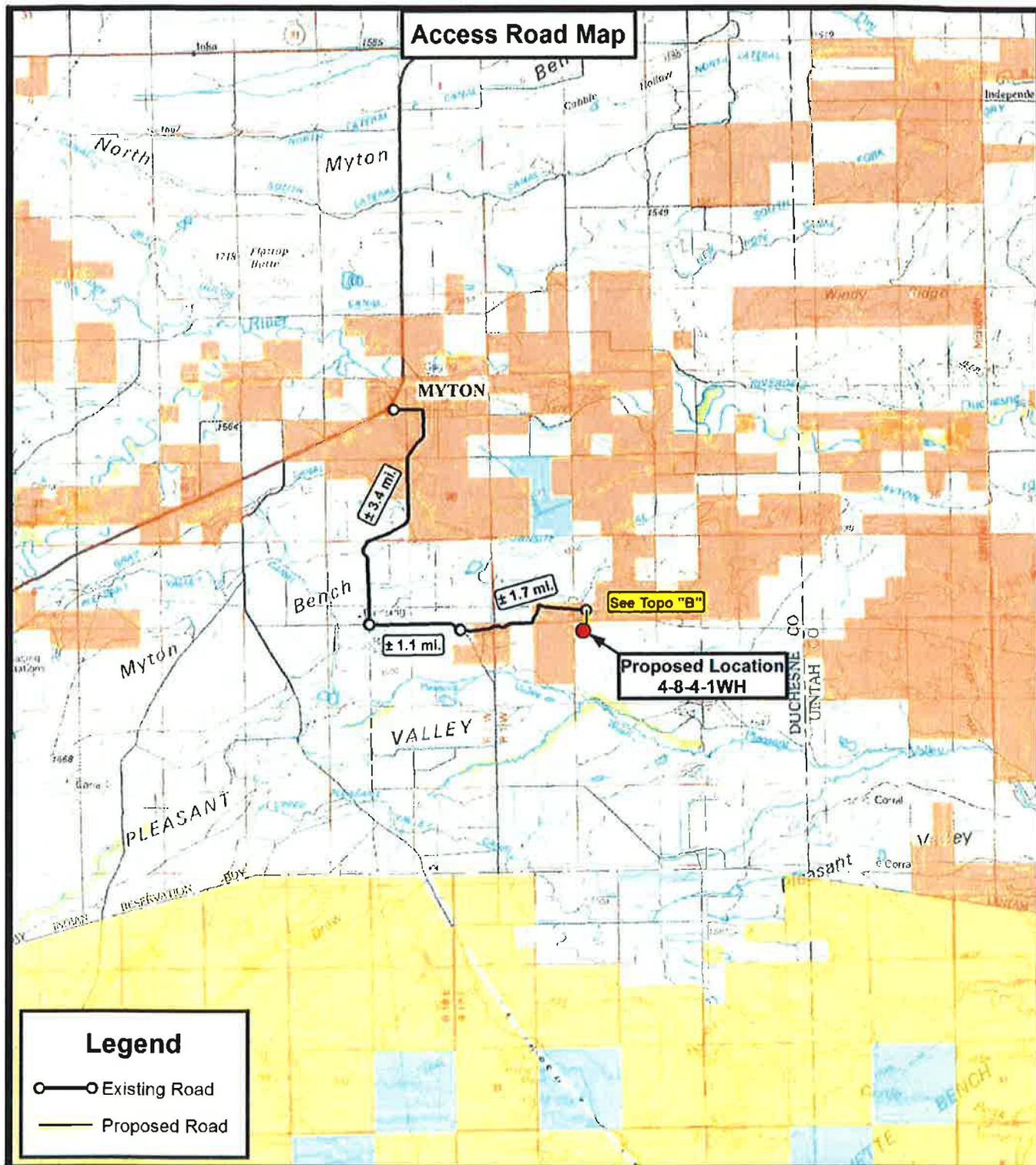
### UTE TRIBAL 4-8-4-1WH

Section 8, T4S, R1W, U.S.B.&M.



SURVEYED BY: T.P.	DATE SURVEYED: 04-10-10	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 04-12-10	V2
SCALE: 1" = 50'	REVISED: F.T.M. 12-06-11	

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



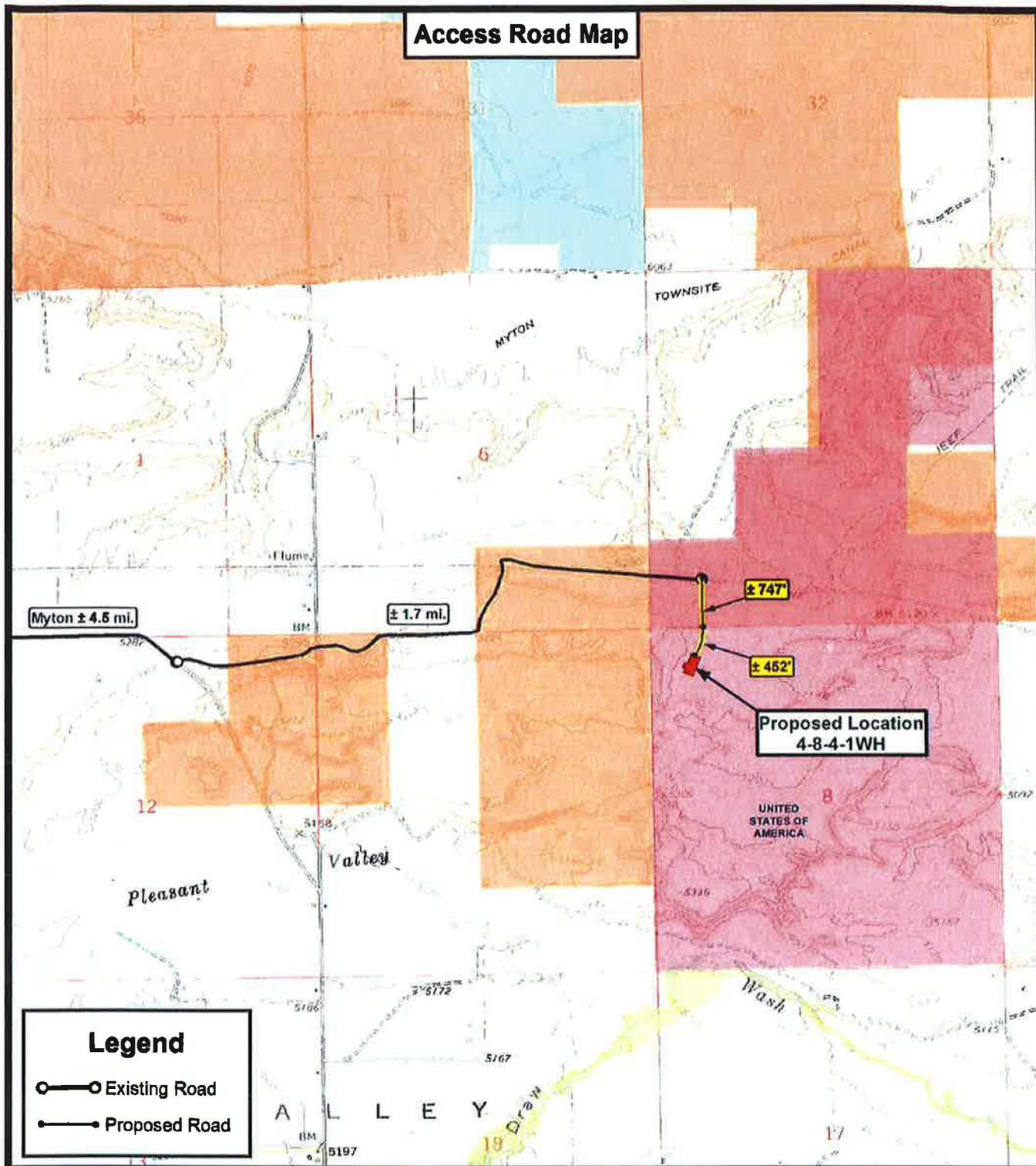
**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 P: (435) 781-2501  
 F: (435) 781-2518

DRAWN BY: C.H.M. | REVISED: 12-06-11 D.C.R. | VERSION: V2  
 DATE: 04-12-2010  
 SCALE: 1:100,000

**NEWFIELD EXPLORATION COMPANY**  
 4-8-4-1WH  
 SEC. 8, T4S, R1W, U.S.B.&M.  
 Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **A**



**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



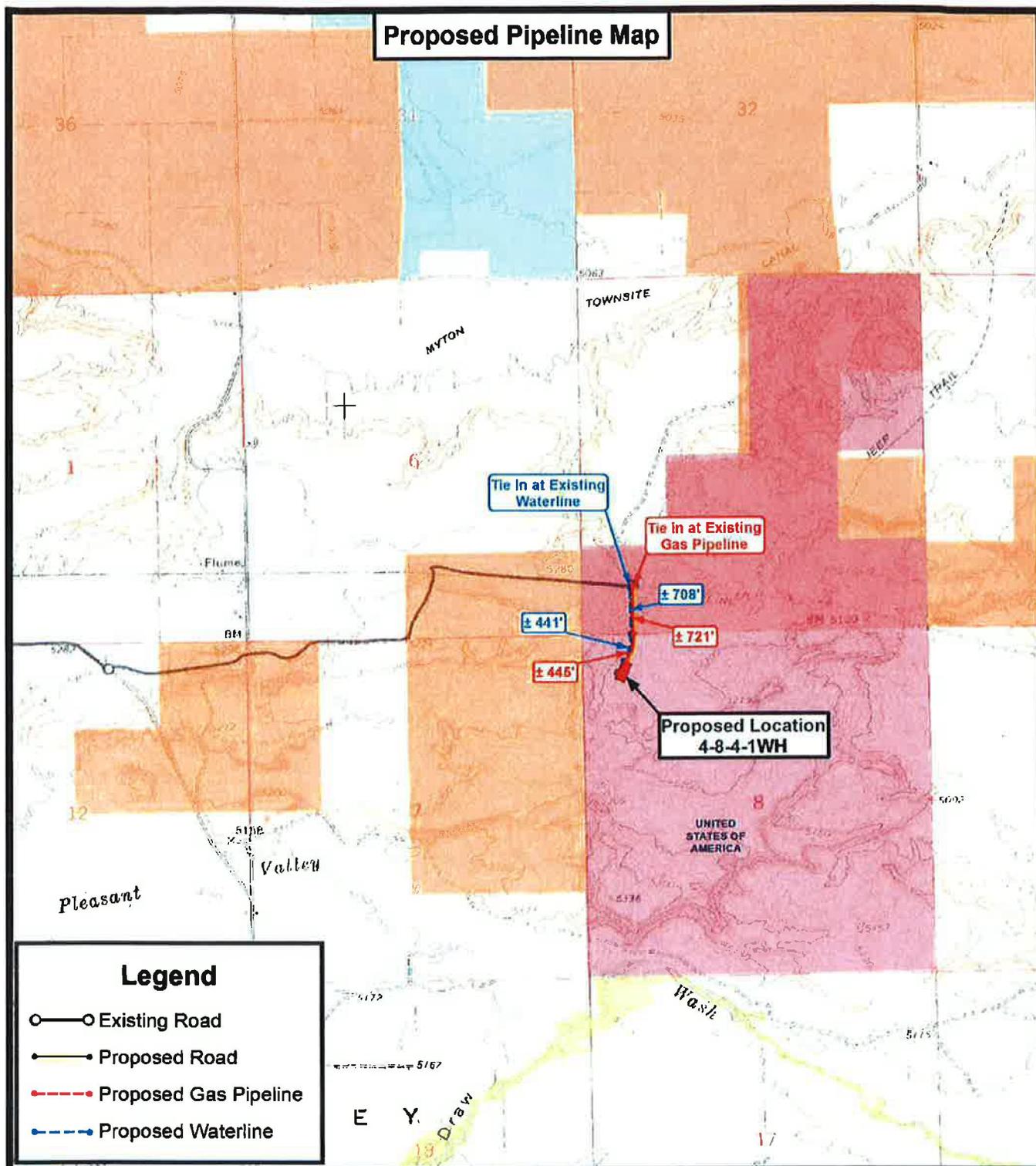
**NEWFIELD EXPLORATION COMPANY**

**4-8-4-1WH**  
**SEC. 8, T4S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

DRAWN BY:	C.H.M.	REVISED:	12-06-11 D.C.R.	VERSION:
DATE	04-12-2010			<b>V2</b>
SCALE:	1:24,000			

**TOPOGRAPHIC MAP**

SHEET  
**B**



**Legend**

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

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

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



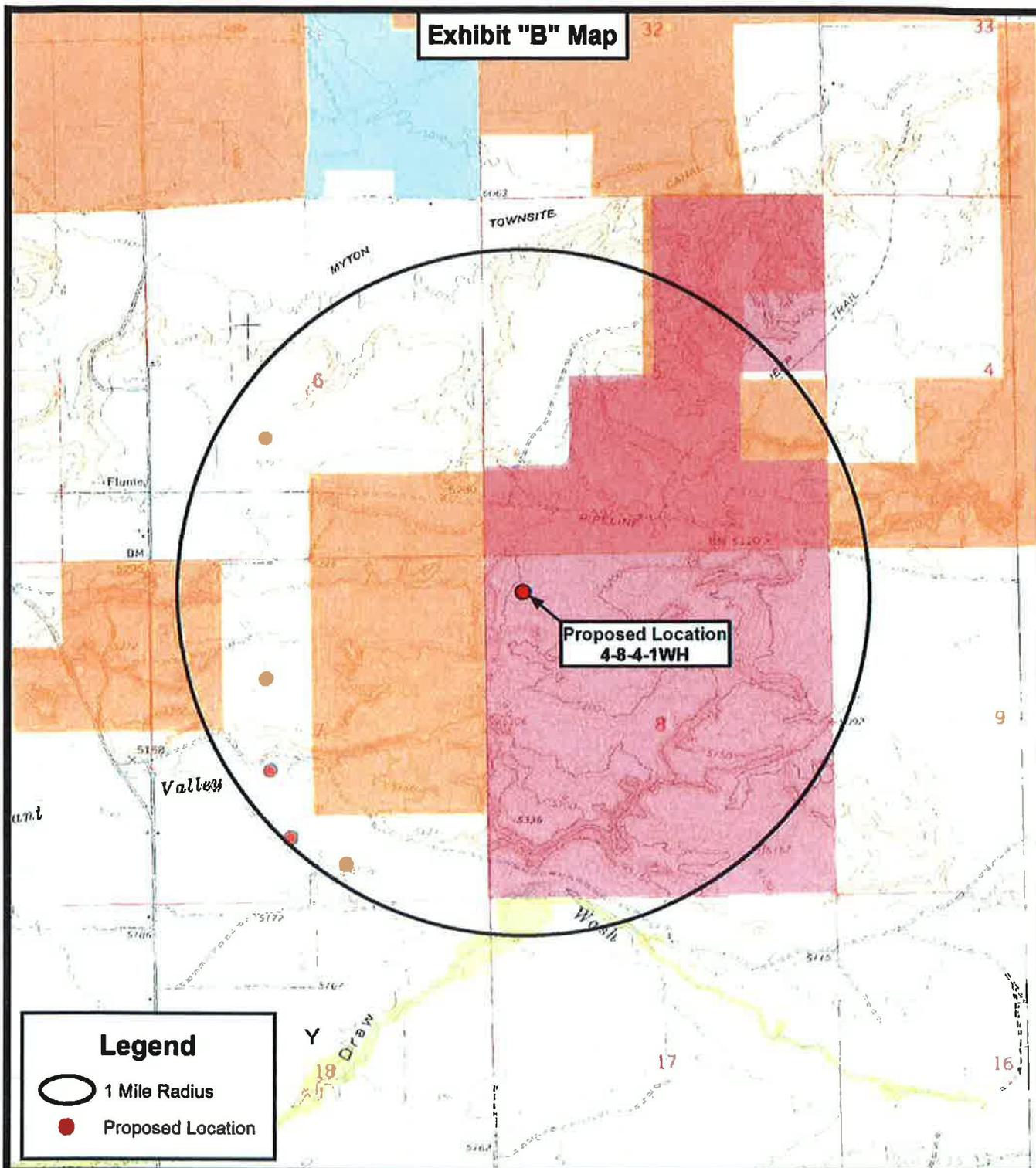
**NEWFIELD EXPLORATION COMPANY**

**4-8-4-1WH**  
**SEC. 8, T4S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

DRAWN BY:	C.H.M.	REVISED:	12-06-11 D.C.R.	VERSION:
DATE:	04-12-2010			<b>V2</b>
SCALE:	1:24,000			

**TOPOGRAPHIC MAP**

SHEET  
**C**



**Legend**

- 1 Mile Radius
- Proposed Location

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

P: (435) 781-2601  
F: (435) 781-2518



**NEWFIELD EXPLORATION COMPANY**  
4-8-4-1WH  
SEC. 8, T4S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	12-06-11 D.C.R.	VERSION:	
DATE:	04-12-2010			V2	
SCALE:	1:24,000				

**TOPOGRAPHIC MAP**

SHEET  
**D**

Exhibit "D"

1 of 2

**CLASS I REVIEW OF NEWFIELD EXPLORATION'S  
PROPOSED WELL LOCATIONS UTE TRIBAL 4-8-4-1  
UTE TRIBAL 7-11-4-1, UTE TRIBAL 6-8-4-1E  
AND PIPELINE/ACCESS ROUTES FOR  
CARTER 12-24-4-1 AND HANCOCK 15-24-4-1  
DUCHESNE AND UINTAH COUNTIES, UTAH**

**By:**

**Jacki A. Montgomery**

**Prepared for:**

**Ute Indian Tribe  
Uintah and Ouray Agency**

**Prepared Under Contract With:**

**Newfield Exploration Company  
Rt. 3 Box 3630  
Myton, Utah 84052**

**Submitted By:**

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

**MOAC Report No. 09-081a**

**July 21, 2009**

**United States Department of Interior (FLPMA)  
Permit No. 09-UT-60122**

**Ute Tribal Permit No. A09-363**

20F2

**Paleontological Assessment Preliminary Report for Newfield Well 4-8-4-1 and  
Associated Infrastructure**

Prepared for

**Newfield Exploration Company**  
10530 South County Road #33  
Duchesne County, Utah 84052

and

**Ute Indian Tribe**  
**Energy and Minerals Department**  
P.O. Box 70  
988 S. 7500 E., Annex Building  
Fort Duchesne, UT 84026

Prepared by:

**Benjamin J. Burger, Ph.D. and Paul C. Murphey, Ph.D.**

SWCA Environmental Consultants  
2028 West 500 North  
Vernal, UT 84078-2645  
Phone: 435.789.9388  
Fax: 435.789.9385  
[www.swca.com](http://www.swca.com)

**July 15th, 2009**

## **CONDITIONS OF APPROVAL**

### **NEWFIELD PRODUCTION**

#### **Notice of Intent APD Change**

**Lease:** 2OG0005609  
**Well:** Ute Tribal 4-8-4-1  
**Location:** NWNW Sec 8-T4S-R1W

A change to the referenced APD is granted with the following conditions:

---

1. Cement for the 5-1/2 casing will be brought to a minimum of 200 feet above the surface casing shoe..
2. A GR shall be run from the TD to the surface.
3. All original applicable Conditions of Approval shall apply.
4. Variances to OO2, Section III shall be granted as requested regarding the air drilling program for the surface hole.

If you have any other questions concerning this matter, please contact Robin Hansen of this office at (435) 781-2777

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BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By  
Branden Arnold Phone Number 435-401-0223  
Well Name/Number UTE TRIBAL 4-8-4-1  
Qtr/Qtr NW/NW Section 8 Township 4S Range 1W  
Lease Serial Number 2OG0005609  
API Number 43-013-50102-00-X1

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

Date/Time 5/8/12 9:00 AM  PM

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

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

Date/Time 5/8/12 3:00 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 \_\_\_\_\_

---

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By  
Branden Arnold Phone Number 435-401-0223  
Well Name/Number UTE TRIBAL 4-8-4-1WH  
Qtr/Qtr NW/NW Section 8 Township 4S Range 1W  
Lease Serial Number 2OG0005609  
API Number 43-013-50102-00-X1

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

Date/Time 5/8/12      9:00 AM  PM

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

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

Date/Time 5/8/12      3:00 AM  PM

BOPE

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

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MAY 08 2012  
DIV. OF OIL, GAS & MINING

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

Remarks \_\_\_\_\_

---

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

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

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
B	99999	17400	4301350775	GMBU P-29-8-17	NESE	29	8S	17E	DUCHESNE	4/27/2012	
WELL 1 COMMENTS: <b>DUPLICATE</b>											
B	99999	17400	4301350828	GMBU H-31-8-17	SWNE	31	8S	17E	DUCHESNE	5/7/2012	
<b>DUPLICATE</b>											
B	99999	17400	4301350831	GMBU F-32-8-17	NENE	32	8S	17E	DUCHESNE	5/8/2012	
<b>DUPLICATE</b>											
B	99999	18262	4301350858	LAMB 12-20-3-1W	NWSW	20	3S	1W	DUCHESNE	10/5/2011	11/22/11
<b>GR-WS</b>											
A	99999	18544	4301350102	UTE TRIBAL 4-8-4-1	NWNW	8	4S	1W	DUCHESNE	5/9/2012	5/21/2012
<b>GRRV</b>											

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**CONFIDENTIAL**  
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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 - ther (explain in comments section)

RECEIVED

MAY 17 2012

*Tabitha Timothy*  
 Signature

Tabitha Timothy

Production Clerk

05/17/12

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

Div. of Oil, Gas & Mining

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
MON BUTTE EDA 20G0005609

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
UINTA CB -BASAL CARB

8. WELL NAME and NUMBER:  
UTE TRIBAL 4-8-4-1

9. API NUMBER:  
4301350102

10. FIELD AND POOL, OR WILDCAT:  
UINTA CENTRAL BASIN

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

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

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE:  
0580 FSL 0621 FWL  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 8, T4S, R1W

COUNTY: DUCHESNE  
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: 05/09/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 5/18/12 MIRU Ross #26. Spud well @10:00 AM. Drill 65' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" H-40 36.75# csgn. Set @ 83. On 5/9/12 cement with 100 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8 barrels cement to pit. WOC.

RECEIVED  
MAY 24 2012  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Branden Arnold TITLE \_\_\_\_\_

SIGNATURE *Branden Arnold* DATE 05/16/2012

# Casing / Liner Detail

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Well: Ute Tribal 4-8-4-1WH  
 Prospect: Central Basin  
 Foreman:  
 Run Date:  
 String Type: Surface, 9.625", 36#, J-55, LTC (Generic)

**- Detail From Top To Bottom -**

Depth	Length	JTS	Description	OD	ID
1,031.12			KB 18'		
1,029.70	1.42		Wellhead		
1,031.12	-2.00	-1	Cutt Off	9.625	
18.00	967.45	23	9 5/8 Casing	9.625	
985.45	1.55	1	Float collar	9.625	
987.00	41.80	1	Shoe Joint	9.625	
1,028.80	0.90	1	Guide Shoe	9.625	
1,029.12					

**Cement Detail**

Cement Company: BJ

Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft <sup>3</sup> )	Description - Slurry Class and Additives
Slurry 1	100	15.8	1.17	117	Class G+2%kcl+.25#CF

Stab-In-Job?	No
BHT:	0
Initial Circulation Pressure:	
Initial Circulation Rate:	
Final Circulation Pressure:	
Final Circulation Rate:	
Displacement Fluid:	Water
Displacement Rate:	
Displacement Volume:	11
Mud Returns:	
Centralizer Type And Placement:	

Cement To Surface?	Yes
Est. Top of Cement:	0
Plugs Bumped?	No
Pressure Plugs Bumped:	
Floats Holding?	No
Casing Stuck On / Off Bottom?	No
Casing Reciprocated?	No
Casing Rotated?	No
CIP:	6:57
Casing Wt Prior To Cement:	
Casing Weight Set On Slips:	



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

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

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

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. MON BUTTE EDA 20G0005609
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include area code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or UINTA CB -BASAL CARB
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  NWNW Section 8 T4S R1W		8. Well Name and No. UTE TRIBAL 4-8-4-1
		9. API Well No. 4301350102
		10. Field and Pool, or Exploratory Area UINTA CENTRAL BASIN
		11. County or Parish, State DUCHESNE, UT

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

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

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

On 5/8/12 MIRU Ross #26. Spud well @10:00 AM. Drill 65' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" H-40 36.75# csgn. Set @ 83. On 5/9/12 cement with 100 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8 barrels cement to pit. WOC.

RECEIVED

JUL 03 2012

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Branden Arnold	Title
Signature <i>Branden Arnold</i>	Date 06/12/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

(Instructions on page 2)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 2OG0005609	
<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.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Ute	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 4-8-4-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013501020000
<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> WILDCAT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0580 FNL 0621 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 08 Township: 04.0S Range: 01.0W Meridian: U	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/15/2012			

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

The above well was placed on production on 09/15/2012 at 01:00 hours. Production Start sundry re-sent 11/28/2012.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 30, 2012

<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> 11/28/2012	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**  
FORM APPROVED  
COMB NO. 104-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
20G0005609

6. If Indian, Allottee or Tribe Name  
UINTAH AND OURAY

7. Unit or CA Agreement Name and No.

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
1b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
Other: \_\_\_\_\_

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY

3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202 3a. Phone No. (include area code)  
(435) 646-3721

8. Lease Name and Well No.  
UTE TRIBAL 4-8-4-1

9. AFI Well No.  
43-013-50102

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **580**  
**575'** FNL & 621' FWL (NW/NW) SEC. 8, T4S, R1W

At top prod. interval reported below 1057' FNL & 712' FWL (NW/NW) SEC. 8, T4S, R1W

At total depth **721 fsl 754 fwl** (SW/SW) SEC. 8, T4S, R1W **BHL by DOGM HSM**

10. Field and Pool or Exploratory  
UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area  
SEC. 8, T4S, R1W

12. County or Parish  
UINTAH

13. State  
UT

14. Date Spudded  
05/09/2012

15. Date T.D. Reached  
07/28/2012

16. Date Completed 09/15/2012  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5245' GL 5263' KB

18. Total Depth: MD 11427' TVD 7369'

19. Plug Back T.D.: MD 11397' TVD 7369'

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"	9-5/8" J-55	36#	0	1129'		100 CLASS G			
8-3/4"	7" HCP-110	26#	0	7884'		510 VERSACM		54'	
						485 BONDCEM			
6-1/8"	4-1/2" P-110	13.5#	7021'	11485'		290 SILICA FLR			
						50 SILICA FLR			

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@ 6950'	HORNET @ 6932'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER <i>unsaturated</i>	7900' MD	11377' MD	10440-11377' MD	0.45"	62	
B)			7900-10355' MD	0.39"	405	
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7900-11377' MD	Frac w/ 536018#s 30/50 white sand and 114344#s 100 mesh; 38149 bbls Slickwater fluid; 20 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
9/19/12	9/29/12	24	→	338	135	152			GAS LIFT SYSTEM
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	
			→						

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**FEB 15 2013**  
DIV OF OIL, GAS & MINING

\*(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.)

SOLD AND 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
				GARDEN GULCH DOUGLAS CREEK	5274' 6330'
				BI-CARBONATE B LIMESTONE	6651' 6800'
				CASTLE PEAK BASAL CARBONATE	7178' 7713'
				wasatch	7661

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: Daily Completion Report

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 *J Peatross* Date 11/02/2012

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.



# Weatherford®

## SURVEY REPORT

Report Date: 7/22/2012

Customer: Newfield

Job Name: 4026622

Well Name: UTE Tribal 4-8-4-1WH

Field: Central Basin

Rig: Pioneer 68

Rig Loc: Duchesne County,

Survey Calculation Method: <b>Minimum Curvature</b>						
Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
True North	179.54 deg	52179 nT	65.85 deg	11.22 deg	0.00 deg	11.22 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	0.00 ft	0.00 deg	0.00 deg	0.00 ft	0.00 ft	0.00 ft

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head			VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)			
1035.00	0.17	131.95	1035.00	-1.03	1.14	1.04	0.02	
1098.00	0.31	157.03	1098.00	-1.25	1.28	1.26	0.27	
1161.00	0.25	118.61	1161.00	-1.47	1.47	1.48	0.31	
1225.00	0.37	12.39	1225.00	-1.33	1.63	1.35	0.78	
1288.00	0.63	33.18	1287.99	-0.85	1.87	0.86	0.50	
1351.00	0.88	339.77	1350.99	-0.10	1.89	0.12	1.13	
1415.00	1.03	330.40	1414.98	0.86	1.43	-0.85	0.34	
1478.00	1.08	328.14	1477.97	1.86	0.84	-1.85	0.10	
1541.00	1.31	341.40	1540.96	3.04	0.30	-3.04	0.57	
1605.00	1.36	333.64	1604.94	4.42	-0.27	-4.42	0.29	
1668.00	1.44	335.27	1667.92	5.81	-0.94	-5.81	0.14	
1732.00	1.41	338.78	1731.90	7.27	-1.56	-7.28	0.14	
1795.00	1.32	330.43	1794.88	8.62	-2.20	-8.64	0.35	
1859.00	1.67	327.66	1858.86	10.05	-3.06	-10.08	0.56	
1922.00	1.75	337.66	1921.83	11.72	-3.92	-11.75	0.49	
1985.00	1.62	333.99	1984.80	13.41	-4.67	-13.45	0.27	
2048.00	1.49	332.51	2047.78	14.94	-5.44	-14.98	0.22	
2111.00	1.61	322.06	2110.76	16.36	-6.36	-16.41	0.49	
2175.00	1.40	322.13	2174.74	17.69	-7.40	-17.75	0.33	
2238.00	1.48	321.06	2237.72	18.93	-8.38	-18.99	0.13	
2302.00	1.45	313.07	2301.70	20.12	-9.49	-20.20	0.32	
2365.00	1.44	302.49	2364.68	21.09	-10.74	-21.18	0.42	
2428.00	1.08	305.12	2427.66	21.86	-11.89	-21.95	0.58	
2491.00	1.21	289.93	2490.65	22.43	-13.00	-22.53	0.52	
2555.00	1.17	285.75	2554.63	22.84	-14.27	-22.95	0.15	
2618.00	0.55	22.03	2617.63	23.29	-14.77	-23.41	2.14	
2682.00	0.58	41.54	2681.63	23.82	-14.44	-23.93	0.30	
2746.00	0.63	77.34	2745.62	24.14	-13.89	-24.25	0.59	
2809.00	1.73	66.89	2808.61	24.59	-12.67	-24.69	1.77	
2873.00	1.93	60.93	2872.58	25.49	-10.84	-25.58	0.43	
2936.00	1.80	63.80	2935.54	26.44	-9.03	-26.51	0.25	
3000.00	2.36	56.25	2999.50	27.62	-7.03	-27.67	0.97	
3063.00	2.77	44.07	3062.44	29.43	-4.89	-29.47	1.08	
3126.00	2.76	56.01	3125.36	31.37	-2.58	-31.39	0.91	
3190.00	2.44	61.12	3189.30	32.89	-0.11	-32.89	0.62	

Depth (ft)	Inc (deg)	Azim (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
3253.00	2.94	54.69	3252.23	34.47	2.39	-34.45	0.93
3316.00	3.27	47.10	3315.14	36.63	5.02	-36.59	0.84
3380.00	2.73	42.42	3379.05	39.00	7.39	-38.94	0.93
3442.00	2.59	51.06	3440.98	40.97	9.47	-40.89	0.68
3506.00	2.55	58.98	3504.92	42.61	11.82	-42.52	0.56
3569.00	2.79	69.66	3567.85	43.87	14.46	-43.75	0.88
3632.00	3.01	55.32	3630.77	45.34	17.25	-45.20	1.20
3695.00	3.42	35.69	3693.67	47.81	19.71	-47.65	1.85
3759.00	2.95	37.16	3757.57	50.67	21.82	-50.49	0.75
3822.00	2.42	29.88	3820.50	53.12	23.46	-52.93	1.00
3885.00	2.00	43.61	3883.46	55.07	24.88	-54.86	1.07
3949.00	2.01	43.55	3947.42	56.69	26.42	-56.47	0.02
4012.00	2.00	60.41	4010.38	58.03	28.14	-57.80	0.93
4075.00	2.49	21.93	4073.34	59.84	29.61	-59.60	2.46
4138.00	2.96	24.40	4136.26	62.60	30.79	-62.35	0.77
4201.00	2.42	25.46	4199.19	65.28	32.04	-65.02	0.86
4265.00	1.61	24.35	4263.15	67.32	32.99	-67.05	1.27
4391.00	1.73	51.39	4389.10	70.12	35.20	-69.83	0.63
4431.00	1.33	56.04	4429.09	70.75	36.06	-70.46	1.05
4494.00	1.91	35.90	4492.06	72.01	37.28	-71.71	1.28
4557.00	2.26	32.95	4555.02	73.90	38.57	-73.59	0.58
4620.00	1.75	36.49	4617.98	75.72	39.82	-75.40	0.83
4683.00	1.75	18.85	4680.95	77.40	40.70	-77.07	0.85
4747.00	2.35	7.14	4744.91	79.63	41.18	-79.30	1.14
4810.00	1.56	359.67	4807.88	81.77	41.34	-81.43	1.31
4873.00	0.75	350.66	4870.86	83.03	41.27	-82.70	1.31
4937.00	1.08	10.45	4934.85	84.04	41.31	-83.71	0.71
5000.00	1.27	25.84	4997.84	85.25	41.72	-84.91	0.58
5064.00	0.75	44.02	5061.83	86.19	42.32	-85.85	0.94
5127.00	1.06	28.49	5124.82	87.00	42.89	-86.65	0.62
5190.00	1.08	15.46	5187.81	88.08	43.32	-87.73	0.39
5254.00	0.31	62.91	5251.81	88.75	43.64	-88.39	1.41
5317.00	0.39	46.82	5314.81	88.97	43.94	-88.61	0.20
5381.00	0.91	30.88	5378.80	89.55	44.36	-89.20	0.85
5444.00	1.45	19.21	5441.79	90.74	44.88	-90.37	0.93
5507.00	1.75	17.91	5504.76	92.40	45.44	-92.04	0.48
5571.00	1.54	12.41	5568.74	94.17	45.93	-93.80	0.41
5633.00	0.87	22.09	5630.72	95.42	46.28	-95.05	1.13
5697.00	0.50	41.42	5694.72	96.08	46.65	-95.71	0.67
5761.00	0.50	126.90	5758.72	96.13	47.06	-95.74	1.06
5824.00	0.79	161.78	5821.71	95.55	47.41	-95.16	0.75
5887.00	1.27	171.88	5884.70	94.44	47.65	-94.06	0.81
5950.00	1.76	177.82	5947.68	92.79	47.78	-92.40	0.82
6013.00	1.82	174.95	6010.65	90.82	47.91	-90.44	0.17
6076.00	1.73	166.88	6073.62	88.90	48.21	-88.51	0.42
6139.00	0.97	148.03	6136.60	87.52	48.71	-87.13	1.38
6202.00	0.61	143.87	6199.60	86.80	49.19	-86.40	0.58
6266.00	0.93	166.52	6263.59	86.02	49.51	-85.62	0.68
6329.00	1.41	177.78	6326.58	84.75	49.66	-84.35	0.84
6393.00	1.67	182.05	6390.55	83.03	49.66	-82.63	0.44

Depth (ft)	Inc (deg)	Azimuth (deg)	TVD (ft)	Well Head			Dogleg (deg/100ft)
				NS (ft)	EW (ft)	Vsect (ft)	
6456.00	1.36	190.67	6453.53	81.38	49.49	-80.98	0.61
6519.00	1.63	195.15	6516.51	79.78	49.11	-79.38	0.47
6582.00	2.29	199.15	6579.47	77.72	48.47	-77.33	1.07
6645.00	2.41	208.49	6642.42	75.37	47.42	-74.99	0.64
6708.00	2.18	213.45	6705.37	73.21	46.13	-72.83	0.48
6771.00	1.30	211.24	6768.34	71.59	45.10	-71.23	1.40
6835.00	1.20	182.17	6832.33	70.30	44.70	-69.94	0.99
6898.00	0.81	158.77	6895.32	69.23	44.83	-68.87	0.89
6962.00	0.70	135.52	6959.31	68.53	45.27	-68.16	0.50
7025.00	0.39	116.16	7022.31	68.16	45.73	-67.79	0.57
7044.00	0.45	156.52	7041.31	68.06	45.82	-67.69	1.55
7107.00	6.00	188.74	7104.18	64.58	45.42	-64.21	8.93
7138.00	8.08	187.41	7134.95	60.82	44.89	-60.45	6.73
7170.00	10.35	184.66	7166.53	55.72	44.37	-55.36	7.22
7202.00	12.57	185.68	7197.89	49.39	43.79	-49.04	6.97
7234.00	15.44	183.78	7228.94	41.67	43.16	-41.32	9.08
7265.00	18.42	182.38	7258.59	32.66	42.69	-32.32	9.70
7298.00	22.29	181.58	7289.53	21.19	42.30	-20.85	11.76
7329.00	24.75	178.53	7317.95	8.82	42.30	-8.48	8.85
7360.00	28.20	173.36	7345.70	-4.94	43.32	5.29	13.37
7392.00	32.57	173.29	7373.30	-21.02	45.20	21.38	13.66
7424.00	37.17	172.19	7399.54	-39.16	47.52	39.54	14.51
7455.00	41.48	171.73	7423.52	-58.61	50.27	59.01	13.93
7487.00	46.11	171.67	7446.61	-80.51	53.47	80.94	14.47
7519.00	50.37	170.96	7467.92	-104.10	57.08	104.56	13.41
7551.00	54.33	171.27	7487.46	-129.13	60.99	129.62	12.40
7582.00	58.42	170.85	7504.62	-154.62	65.00	155.14	13.24
7615.00	63.32	173.57	7520.69	-183.17	68.89	183.72	16.50
7646.00	67.01	173.05	7533.70	-211.11	72.17	211.68	12.00
7677.00	71.57	175.83	7544.67	-239.96	74.97	240.56	16.93
7709.00	74.78	176.55	7553.93	-270.52	77.00	271.13	10.26
7740.00	78.96	175.69	7560.97	-300.63	79.04	301.26	13.75
7772.00	81.86	176.05	7566.30	-332.10	81.32	332.74	9.13
7804.00	83.56	176.40	7570.36	-363.77	83.41	364.43	5.42
7836.00	85.45	176.07	7573.42	-395.55	85.50	396.23	5.99
7923.00	87.84	177.18	7578.51	-482.25	90.61	482.96	3.03
7936.00	87.78	176.73	7579.01	-495.22	91.30	495.94	3.49
7967.00	87.59	176.89	7580.26	-526.15	93.02	526.88	0.80
7999.00	87.96	176.45	7581.51	-558.07	94.88	558.81	1.80
8029.00	90.49	175.62	7581.91	-587.99	96.95	588.75	8.88
8061.00	91.73	175.27	7581.29	-619.88	99.49	620.66	4.03
8092.00	94.51	175.57	7579.60	-650.73	101.97	651.53	9.02
8124.00	94.26	176.05	7577.16	-682.56	104.30	683.37	1.69
8156.00	94.82	176.28	7574.62	-714.38	106.43	715.21	1.89
8188.00	94.51	175.85	7572.02	-746.20	108.62	747.05	1.65
8219.00	93.21	175.13	7569.94	-777.04	111.05	777.90	4.79
8251.00	91.67	175.19	7568.57	-808.89	113.75	809.78	4.82
8282.00	92.84	175.45	7567.35	-839.76	116.28	840.67	3.87
8314.00	93.44	175.00	7565.60	-871.60	118.94	872.53	2.34
8345.00	94.88	175.44	7563.35	-902.41	121.51	903.36	4.86

Depth (ft)	Inc (deg)	Azimuth (deg)	TVD (ft)	Well Head			Dogleg (deg/100ft)
				NS (ft)	EW (ft)	Vsect (ft)	
8377.00	95.87	175.42	7560.35	-934.17	124.05	935.14	3.09
8409.00	97.41	175.18	7556.65	-965.85	126.66	966.83	4.87
8440.00	99.60	175.21	7552.07	-996.40	129.22	997.40	7.07
8472.00	98.80	175.97	7546.95	-1027.89	131.65	1028.92	3.43
8504.00	97.91	175.92	7542.30	-1059.47	133.89	1060.51	2.79
8535.00	96.68	176.81	7538.37	-1090.16	135.84	1091.22	4.88
8567.00	96.52	177.29	7534.69	-1121.91	137.48	1122.97	1.57
8599.00	93.77	177.53	7531.82	-1153.74	138.92	1154.82	8.63
8630.00	91.67	178.18	7530.35	-1184.68	140.07	1185.77	7.09
8662.00	91.23	177.37	7529.54	-1216.65	141.32	1217.74	2.88
8694.00	90.86	177.80	7528.96	-1248.61	142.66	1249.72	1.77
8725.00	90.99	177.80	7528.46	-1279.59	143.85	1280.70	0.42
8757.00	90.37	178.31	7528.08	-1311.57	144.94	1312.69	2.51
8789.00	89.81	177.87	7528.03	-1343.55	146.01	1344.68	2.23
8820.00	89.44	178.49	7528.23	-1374.53	146.99	1375.67	2.33
8852.00	90.68	178.47	7528.19	-1406.52	147.84	1407.66	3.88
8884.00	91.73	178.00	7527.52	-1438.50	148.83	1439.65	3.59
8915.00	90.86	176.79	7526.82	-1469.46	150.23	1470.62	4.81
8947.00	90.80	176.98	7526.36	-1501.41	151.97	1502.58	0.62
8979.00	90.99	177.94	7525.86	-1533.37	153.39	1534.55	3.06
9010.00	91.91	177.46	7525.07	-1564.33	154.63	1565.53	3.35
9041.00	92.34	177.06	7523.92	-1595.28	156.12	1596.48	1.89
9073.00	91.91	177.03	7522.74	-1627.21	157.76	1628.43	1.35
9104.00	92.28	177.03	7521.60	-1658.15	159.37	1659.38	1.19
9136.00	92.41	176.58	7520.29	-1690.07	161.15	1691.31	1.46
9168.00	91.79	176.71	7519.12	-1722.00	163.02	1723.25	1.98
9199.00	91.67	177.02	7518.19	-1752.94	164.72	1754.20	1.07
9231.00	93.15	176.46	7516.84	-1784.86	166.53	1786.14	4.94
9263.00	93.95	175.71	7514.86	-1816.72	168.72	1818.02	3.42
9294.00	92.47	175.11	7513.12	-1847.57	171.19	1848.89	5.15
9326.00	93.33	175.05	7511.50	-1879.41	173.93	1880.75	2.69
9357.00	93.70	175.31	7509.60	-1910.24	176.53	1911.60	1.46
9389.00	94.85	175.35	7507.22	-1942.05	179.13	1943.42	3.60
9421.00	96.37	174.45	7504.09	-1973.77	181.96	1975.17	5.51
9452.00	96.30	174.57	7500.67	-2004.44	184.91	2005.86	0.45
9484.00	95.37	174.08	7497.42	-2036.11	188.06	2037.56	3.28
9515.00	93.83	175.40	7494.93	-2066.88	190.89	2068.35	6.53
9547.00	93.58	174.91	7492.86	-2098.70	193.59	2100.19	1.72
9578.00	93.77	174.74	7490.88	-2129.51	196.38	2131.02	0.82
9610.00	93.95	175.22	7488.72	-2161.32	199.17	2162.85	1.60
9642.00	94.25	174.51	7486.43	-2193.11	202.03	2194.66	2.40
9673.00	94.14	174.82	7484.17	-2223.89	204.90	2225.46	1.06
9705.00	94.76	175.15	7481.68	-2255.67	207.69	2257.27	2.19
9736.00	93.89	174.11	7479.34	-2286.45	210.58	2288.06	4.37
9768.00	94.14	174.59	7477.10	-2318.21	213.73	2319.85	1.69
9800.00	93.45	174.46	7474.99	-2350.00	216.77	2351.66	2.19
9832.00	93.71	174.73	7472.99	-2381.79	219.78	2383.48	1.17
9863.00	93.77	174.66	7470.97	-2412.59	222.64	2414.30	0.30
9895.00	93.64	175.10	7468.90	-2444.40	225.49	2446.13	1.43
9926.00	94.31	175.98	7466.75	-2475.23	227.90	2476.98	3.56

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
9958.00	94.87	175.90	7464.19	-2507.05	230.15	2508.81	1.77
9989.00	95.25	176.59	7461.45	-2537.86	232.18	2539.64	2.53
10021.00	95.38	178.53	7458.49	-2569.69	233.53	2571.48	6.05
10052.00	93.70	179.06	7456.04	-2600.59	234.18	2602.38	5.68
10084.00	92.90	178.67	7454.19	-2632.53	234.82	2634.33	2.78
10116.00	93.64	180.38	7452.37	-2664.47	235.08	2666.27	5.81
10147.00	94.38	180.61	7450.20	-2695.40	234.81	2697.19	2.50
10179.00	93.52	180.25	7448.00	-2727.32	234.57	2729.11	2.91
10211.00	93.88	180.95	7445.93	-2759.25	234.24	2761.04	2.46
10274.00	93.33	181.27	7441.97	-2822.11	233.02	2823.89	1.01
10338.00	93.58	182.08	7438.11	-2885.97	231.15	2887.73	1.32
10401.00	94.13	183.39	7433.88	-2948.75	228.16	2950.49	2.25
10465.00	92.78	183.22	7430.02	-3012.53	224.47	3014.23	2.13
10528.00	93.21	183.72	7426.73	-3075.33	220.67	3077.00	1.05
10591.00	93.52	183.88	7423.03	-3138.08	216.50	3139.72	0.55
10655.00	94.07	184.29	7418.79	-3201.78	211.95	3203.38	1.07
10718.00	92.28	184.08	7415.31	-3264.51	207.36	3266.07	2.86
10781.00	93.34	184.71	7412.22	-3327.25	202.54	3328.77	1.96
10845.00	94.20	185.45	7408.01	-3390.86	196.88	3392.33	1.77
10908.00	93.09	185.99	7404.00	-3453.42	190.62	3454.83	1.96
10971.00	95.00	185.84	7399.56	-3515.92	184.14	3517.29	3.04
11034.00	93.58	185.52	7394.85	-3578.43	177.92	3579.75	2.31
11096.00	93.96	186.53	7390.77	-3639.96	171.43	3641.22	1.74
11160.00	94.56	186.26	7386.02	-3703.38	164.32	3704.58	1.03
11223.00	94.39	186.72	7381.10	-3765.79	157.22	3766.93	0.78
11286.00	93.89	186.62	7376.55	-3828.20	149.92	3829.28	0.81
11350.00	93.09	186.96	7372.66	-3891.63	142.37	3892.65	1.36
11413.00	92.96	186.98	7369.33	-3954.08	134.74	3955.03	0.21
11427.00	93.35	186.81	7368.56	-3967.96	↔ 133.06	3968.90	3.04

Vertical Section is 4030.27 ft along the target direction of 179.54 deg at a measured depth of 11488.98 ft.  
Horizontal Displacement is 4031.36 ft along the well bore azimuth of 178.21 deg.  
The total correction is 11.22 deg relative to True North.

## Daily Activity Report

### Format For Sundry

### UTE TRIBAL 4-8-4-1WH

**7/1/2012 To 11/30/2012**

**8/13/2012 Day: 1**

**Completion**

Rigless on 8/13/2012 - Remove night cap. NU 11" 5K x 7" 10K tbg head. Pressure test void to 5000 psi for 10 mins. Pull 6" TWCV. Install 7" x 2 7/8" tbg w/ 2 1/2" TWCR. Pressure test 4 casing valves to 205 psi low, 10,000 psi for 10 mins. NU 10K production tree. - Location secured, SDFN- will resume 24 Hr operations in AM - Held PJSM w/ Cameron WH hands and Austin roustabout crew. 0 psi on nightcap. ND nightcap. NU 11" 5K x 7" 10K tbg head. Pressure test void to 5000 psi for 10 mins. Pull 6" TWCV. Install 7" x 2 7/8" tbg w/ 2 1/2" TWCV. - RNI trucks arriving unloading fresh water into frac tanks - R Mair roustabout unloaded casing 2 nd load of casing - RNI trucks arriving unloading fresh water into frac tanks - R Mair roustabout unloaded casing 2 nd load of casing - R Mair roustabout unloaded casing 1 st of 2 loads Select rentals delivered 4 light plants & 1 man lift and Fork lift to Location - R Mair roustabout unloaded casing 1 st of 2 loads Select rentals delivered 4 light plants & 1 man lift and Fork lift to Location - Contact all vendors & line up casing crews, TTS, Wire Line, Mountain States WOR, Cameron Runners delivered 7200 feet 4-1/2 P110 13.5 casing with 2 pipe racks to location - Contact all vendors & line up casing crews, TTS, Wire Line, Mountain States WOR, Cameron Runners delivered 7200 feet 4-1/2 P110 13.5 casing with 2 pipe racks to location - Rain 4 rent spot 5 Frac Tanks & RNI will fill all 5 with Fresh water for running casing and circulating Cameron 10k 11&X 7 1/16 Tubing Head W Dual Double1-13/16& with double outlets installed- remove from well - Rain 4 rent spot 5 Frac Tanks & RNI will fill all 5 with Fresh water for running casing and circulating Cameron 10k 11&X 7 1/16 Tubing Head W Dual Double1-13/16& with double outlets installed- remove from well - Rustin Mair delivered porta pottie and trash basket to location - Rustin Mair delivered porta pottie and trash basket to location - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy - Pressure test 4 casing valves to 205 psi low, 10,000 psi for 10 mins. NU 10K production tree. Install 2" bull plugs in both surface casing valves. Shut in and secure well for night. - Pressure test 4 casing valves to 205 psi low, 10,000 psi for 10 mins. NU 10K production tree. Install 2" bull plugs in both surface casing valves. Shut in and secure well for night. - Held PJSM w/ Cameron WH hands and Austin roustabout crew. 0 psi on nightcap. ND nightcap. NU 11" 5K x 7" 10K tbg head. Pressure test void to 5000 psi for 10 mins. Pull 6" TWCV. Install 7" x 2 7/8" tbg w/ 2 1/2" TWCV. - Location secured, SDFN- will resume 24 Hr operations in AM

**Daily Cost:** \$0

**Cumulative Cost:** \$3,150

**8/14/2012 Day: 3**

**Completion**

Rigless on 8/14/2012 - Rig Up perforators and Hot Oiler - Run CBL log -Rig up Rig start running casing - 1900 pressure test pipe rams on dual bop. 250 psi low and 5k High. 2200 Nipple up 10k single bop and annular bop. Transportation cost entered for Tri-State Trucking 881162 - 500.00 BOP Delivery. - 19:00 Re testing Pipe rams as per NFX guide lines 250 5 min and 5 K for 10 minutes 18:00 Pressure test Pipe rams 4 1/2 TIW valve failed and switch out TIW valve 250 -5 min 5K 10 min 16:00 PSI test Blind Rams and flow cross valves as per Newfield guidelines 250psi 5 min 10000 psi 10 minutes all Valves on flow cross and Blind rams tested good. 16:00 QT Casing crew finished Tally and clean and drift 4 1/5 13.5# P110 BTC Casing 13:00 WFD Casing crew Arrived spot catwalk and load casing onto pipe racks -

Installing Knight BOP stack Cameron torque and Pressure test - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy - Casing inspection Crew QT on location to inspect and drift and tally 4 1/2 13.5 P110 BTC casing - WL Rig up to well to Run CBL & Hot Oiler on location to pressure up to 1500 psi for CBL Mountain States WOR rig up on Location spotting rig, tank and rig pump - Cameron on location to test and torque WL and BOP stack - finished log well RD WL equipment make room for Casing crew and Rig

**Daily Cost:** \$0

**Cumulative Cost:** \$94,518

**8/15/2012 Day: 4**

**Completion**

Rigless on 8/15/2012 - RIH with 4 1/2 13.5# P110 casing -Circulate hole -Land tubing- Pressure test Annulus good test - - MIRU Perforators Wireline unit. Hold PJSM. Pick up CCI, WT bar and 3.71" OD GR. PU 10k lubricator and pressure test to 8000 psi. - 2100 Held PJSM with all personnel on location. Pressure tested lines to 9,000 psi. Performed injection test with baker pump truck. Opened well with SICP & 1601 psi. Started pumping well broke over @ 8,951 psi, 1.5 bpm 8 bbl pumped. Established rate @ 3.5 bpm 4,400 psi, total of 35 bbl pumped. ISIP & 4,118 psi, 5 min & 2,559 psi, 10 min & 2,485 psi, 15 min & 2,464 psi. Prep for wireline operations at present time. - 19:00 Turn over to Night Supervisor Eddie Johnson 18:00 currently rigging up Baker Cement truck to attempt to pump into and pressure up well - 17:00 Pressure up Annulus 3250 Psi & Start to Pressure test 4 1/2 casing to 9900 psi with Cameron test pump pumping 2 gal min took 16 minutes to get to 8000 psi Had sudden drop in pressure dropped to 2000 psi & 6000 psi drop - Did not gain any pressure on Backside stayed consistent 3250 psi - 16:30 Pressure up Annulus on lower valve to 4,000 psi for 10 minutes with No Leak off - NU BOP and Annular BOPs. - Circulate hole with 250 BBLs fresh water with Biocide and Corrosion inhibitor -3 BPM 400 psi - Rig Up iron to Circulate - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point & line of fire, Spotting Backing policy RIH with 4.5" frac string 36 jts with EOT @ 1,546' - Turn over to day Supervisor Willie O Neill 11:30 Current depth EOT 6,960 feet -1 Jt above TOL 167 Jts 4 1/2 Casing in hole-Rig Up Iron to Circulate - 0400 RU Weatherford Casing Crew equipment. 0500 PU and RIH with Baker Seal Assembly 10.70' x 3.920" ID x 5.593" OD, QN Nipple 1.62' x 3.775" ID x 5.563" OD, at present time 36 jts in hole with EOT @ 1,546'. - Pressure test single bop 250 psi low and 5k high. Pressure test annular bop 250 psi low and 3500 psi high. - Install Baker Seal assembly Tag seal bore and Land Cameron 4 1/2 extended neck Hanger & 167 Jts 4 1/2 Casing + 5.35 Ft Pup JT+ 3.51 Ft Pup Joint- 7020 Feet -Land with 48K down & Lock down with Pins

**Daily Cost:** \$0

**Cumulative Cost:** \$150,928

**8/16/2012 Day: 5**

**Completion**

Rigless on 8/16/2012 - RIH with WL Tag-POOH -RU Knight flow Cross -RIH with TTS BHA and 2 3/8 tubing - Continue to RIH with tubing. Did not see any indication of debris at 8,334' where wireline stopped. Worked mill with PU Wt - 60k, SO WT - 44k, Neut WT - 52k. Continue in hole with tubing. - Continued in hole with 2 3/8" PH -6 tubing and BHA #1. Tagged up on QN nipple with on jt # 224 EOT @ 7,029'. Picked up power swivel and rotated and circ hole. Tagged up on some debris in hole 6ft higher than nipple was on first tag. Had to clean up debris before getting to QN nipple. Circulated hole and pumped 2 sweeps while working BHA thru nipple before continuing in hole. - RIH with TTS BHA RN Nipple -144 JTS 2 3/8 PH6 Tubing- R Nipple 2.91 OD & 1.56 ID & X 1.07 -on top of JT #144 - EOT at 19:00 5760 feet - picking up TTS BHA and 2 3/8- 5.95# PH6 tubing Getting Ready to Run In Hole. - TTS Build BHA and load onto Rig Floor --TTS BHA as follows = insert twisted Mill Convex 3.75 OD & X

1.79  $\dot{\iota}$  Rotary Sub 2.89 OD $\dot{\iota}$  1.25 ID $\dot{\iota}$  X .75 - Dual Back pressure Valve 2.88 OD $\dot{\iota}$  1.00 ID $\dot{\iota}$  X 2.00 - Rotary Sub 2.91 OD $\dot{\iota}$  1.38 ID $\dot{\iota}$  X 1.17  $\dot{\iota}$  1 JT 2 3/8 PH6 Tubing 2.91 OD $\dot{\iota}$  1.38 ID $\dot{\iota}$  X 31.42  $\dot{\iota}$  1.710 RN Nipple 2.91 OD $\dot{\iota}$  1.56 ID $\dot{\iota}$  X 1.07 =BHA 38.2 Feet - Rig Up rig floor and elevators and Catwalk - RIH with Perforators CCL,WT bar and 3.71" OD GR. Pumped down to 8,334' when tools stopped going down hole. Attempted to pull up hole and tools stuck in hole. Worked tools loose and pulled up hole to 8,198'. Tools stopped coming up hole at this depth. Can get tools to move back down hole at this point while pumping 6.5 bpm. Continued to work tools until we were able to POOH with tools. Inspected tools on surface. Found places on new gauge ring that indicated tool had debris on top side of gauge ring and also had hit something going in hole also. - TTS Building BHA Rig Up snubbing Unit  $\dot{\iota}$  Power swivel and weatherford 10K skid pump - changing out 4.5" pipe rams and install flow cross-Torque and psi test- - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point  $\dot{\iota}$ line of fire, Spotting Backing policy - Change out 4.5" pipe rams and install flow cross.Switch out with Day Supervisor Willie O Neill - RD Perforators wireline and released. - Open WH 2000 psi  $\dot{\iota}$  Open to pit on 14 choke 500 psi open full well bleed down to 0 in 1 minute, wait 5 minutes close in well  $\dot{\iota}$  re open well Zero pressure on well. Did not Rig up Snubbing Unit

**Daily Cost:** \$0

**Cumulative Cost:** \$218,959

### 8/17/2012 Day: 6

### Completion

Rigless on 8/17/2012 - RIH with TTS BHA and Tubing - Clean out well bore -EOT 11,418 Circulate hole -POOH Lay down string -RIH WL CCL Gauge ring - located sleeve for Baker 10 setting tool. Before attempting to another pump down. - POOH with Perforators wireline tools. Inspected Perforators GR/JB on surface did not see any indication of tools hitting any obstruction in wellbore to stop pump down. We did not see any type of trash in junk basket also. - 19:00 EOT 8272 FT -- Turn well over to Night Supervisor Eddie Johnson 18:00 AT TOL  $\dot{\iota}$ Bring on WFD Pump 6.3 BPM -4100 psi  $\dot{\iota}$ WL 700 lbs-60 ft./min  $\dot{\iota}$ Annulus 3000 psi- 17:00 RIH with Perforators 3.71" OD GR X .25 - 2.75" OD #10 Junk Basket X 6.21 - 2.75" OD CCL X 1.40 - 2.75" OD WT bar X 5.0 - 1.69" OD Cable head X 1.0 = 13.86 Feet - 16:30 Hold 2nd PJSM with Crews - 15:00 rigging up Perforators  $\dot{\iota}$ with 10K lubricator to RIH with 3.71 $\dot{\iota}$ OD Gauge Ring - Continued in hole to 8,792'. Circ hole with sweep pumped 230 bbl. No debris in returns continue in hole. PU Wt - 60k, SO WT - 44k, Neut WT - 52k. - 07:30 EOT 11,418 $\dot{\iota}$  POOH with 2 3/8 tubing Laying down string 10:00 155 Jts out of hole EOT past top of liner at 6900 feet  $\dot{\iota}$  PU Wt - 52k, SO WT - 44k, Neut WT - 48k- Continue to pull out of hole. - On Location Hold pre-job safety meeting to review work to be performed, JSAs, stop-work authority, smoking policy, evacuation plans and FRC policy, Discuss pinch point  $\dot{\iota}$ line of fire, Spotting Backing policy - Circ hole at 4 bpm, 3,000 psi. Moving tubing while circulating. - RIH with BHA #1. Tagged bottom @ 11,418' tubing tally with 364 jts in hole. Went in hole with no indication of any type of obstruction. PU Wt - 64k, SO Wt - 40k, Neutral Wt - 48k. - 10:00 155 Jts out of hole EOT past TOL at 6900 feet  $\dot{\iota}$ PU Wt-52k, SO WT- 44k,Neut WT-48k- POOH 14:30 Out of hole with TTS BHA and all 2 3/8 tubing

**Daily Cost:** \$0

**Cumulative Cost:** \$254,136

### 8/18/2012 Day: 7

### Completion

Rigless on 8/18/2012 - Run in Hole with WL gauge ring to 11,385 , POOH RIH with Perf Guns and perf Well for DFIT - Hold PJSM. RU FMC 4 1/16 10k Frac stack and pressure test void to 10k. RU and pressure test Frac Stack 250 psi low and 9,900 psi high. RD Mountain States WOR and move off well. Perform Injection test as follows.Pressure test Weatherford lines to 5,00 psi. Establish rate 5.7 bpm, 2,750 psi, 20 bbl pumped. ISIP - 2,200 psi, 5 min - 2,000 psi, 10 min - 2,050 psi. DFIT gauges on line at 12:10 am. RD Weatherford and released.

Cameron Ticket #379544 \$2601.10 entered on cost. - Start rigging down Well Head for Frac stack - 12:00 Wire Line Out of Hole all shots went off , Start rigging down Well Head for Frac stack 10:25 Shut down Cudd pump and Perforate Stage 1 @ 11,375 feet  $\dot{\iota}$ Psi before perf 5700 psi after perf 4600 psi  $\dot{\iota}$  Guns stuck had to surge guns to get out of hole POOH with wire line 09:25 At TOL 7000 feet  $\dot{\iota}$  Bring on Cudd Pump 7 BPM 5700 Psi to pump Guns to Bottom-Annulus 3000 08:45 RIH with and perforate stage 1 with 2 foot gun 4 SPF + 8 Shots @11,375 feet - Hold PJSM. RU HES sleeve for Baker 10 setting tool. RIH with CCL, setting tool and sleeve. Start pumping down @ 7,500', 6 bpm, 67 fpm, 740 # LT, 4000 psi. Pumped down to 11,150 $\dot{\iota}$  before tools stopped going down hole. During pump down maintained 6 bpm , 4000 psi, 55 fpm, 650# LT to 10,300 $\dot{\iota}$ . At that point went down to 16 fpm, 6 bpm, 4000 psi, 613#LT. Stopped at 10,950 $\dot{\iota}$  and restarted pump down. Able to get down to 11,155 $\dot{\iota}$  before tools stopped again 6 bpm, 4,000 psi, 626# LT. Rigged up Cudd CT pump truck before restarting pump down.Pumped down 7.4 bpm, 5,800 psi, 84 fpm, 728 # LT. Stopped at 11,385'. Started out of hole with SICP - 3000 psi. Pulled up to 5,276'. Stopped due to for lack of wt of tools for pressure on well. - Flow well back until Dead  $\dot{\iota}$  POOH with Wire Line tools - Load well with 155 bbl of 9.8# fluid at 6.4 bpm, 5400 psi. - Rig up WFD Test unit psi test WL Lubricator to 9500 psi -5 Minutes good test  $\dot{\iota}$ Annulus 3000

**Daily Cost:** \$0

**Cumulative Cost:** \$387,482

**8/19/2012 Day: 8**

**Completion**

Rigless on 8/19/2012 - haul off water & spot tanks - Remove all rental equipment off location that not in use. Haul water off out of frac tanks and haul off pit water. Start spotting tanks for frac. DFIT gauges in place.

**Daily Cost:** \$0

**Cumulative Cost:** \$461,402

**8/20/2012 Day: 9**

**Completion**

Rigless on 8/20/2012 - MIRU 12 Frac tanks set 2 flow back tanks - MI and set 12 frac tanks and 2 flow back tanks, Prep For Frac, Discuss rig up with Baker

**Daily Cost:** \$0

**Cumulative Cost:** \$488,845

**8/21/2012 Day: 10**

**Completion**

Rigless on 8/21/2012 - Prep For Frac, Meeting with rock water, start laying water transfer line, MO J&A flow back equipment - Prep For Frac, Meeting with rock water, start laying water transfer line, MO J&A flow back equipment

**Daily Cost:** \$0

**Cumulative Cost:** \$497,485

**8/22/2012 Day: 11**

**Completion**

Rigless on 8/22/2012 - Place flow iron and Baker SandMasters.Continue to lay water transfer lines. - Hold safety meeting with Pure Energy hands & R Mair pressure test hands. MIRU Pure Energy flow iron. Pressure test iron 250 psi low and 8,500 psi high. Moving in Baker Sand Masters (4) and T-belt and spot on location. Rock Water in process of laying water transfer lines.

**Daily Cost:** \$0

**Cumulative Cost:** \$509,063

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**8/24/2012 Day: 12****Completion**

Rigless on 8/24/2012 - Lay water transfer lines. - Filling Baker sand masters on location. Continue to lay Rock Water transfer lines. Manifold in place on frac tanks. DFIT gauges in operation. - Loading Baker Sand Masters with sand. Rock Water laying water transfer lines. Presently have 3/4 of line layed. Continuing with DFIT. - Loading Baker Sand Masters with sand. Rock Water laying water transfer lines. Presently have 3/4 of line layed. Continuing with DFIT. - Filling Baker sand masters on location. Continue to lay Rock Water transfer lines. Manifold in place on frac tanks. DFIT gauges in operation.

**Daily Cost:** \$0**Cumulative Cost:** \$516,163

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**8/25/2012 Day: 14****Completion**

Rigless on 8/25/2012 - Lay water transfer lines. - Baker Sand Masters (4) set and filled. Rock Water water transfer lines layed to location. Laying line to water source at present time. Flow iron in place. Have 12 frac tanks set on location with water manifold in place.

**Daily Cost:** \$0**Cumulative Cost:** \$527,673

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**8/26/2012 Day: 15****Completion**

Rigless on 8/26/2012 - MIRU Baker frac equipment and lay water transfer line. - Continuing to RU Rock Water transfer line. - Shut down DFIT gauges at 2:10 p.m. Start moving in and rigging up Baker Hughes frac equipment. NOTE: Baker Hughes crew on location @ 2300 to finish RU for frac. Rockwater at this time has not been able to pump water to tanks-still waiting on pump repairs.

**Daily Cost:** \$0**Cumulative Cost:** \$534,058

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**8/27/2012 Day: 16****Completion**

Rigless on 8/27/2012 - Frac Stages 1 & 2. Waiting on FMC Repair crew to repair master valve on tree - Master Valve on Frac tree leaking @ flange connection. Attempted to tighten flange w/ on-site hammer wrenches-pressure tersed w/ no success. Called FMC Vernal for repair crew to bring new ring gasket and repair valve. WO FMC repair crew - Hold PJSM. Prime up pumps and pressure test line to 9,950 psi. Hydraulic Fracture Stage2 as follows: Break down 3727 PSIG @ 5.8 BPM. Avg rate: 47 bpm, Avg press: 7,247 PSIG psi, Max rate: 49 bpm, Max press: 8769 PSIG. FG.0.0713, ISIP: 3,136 PSI, 5 MIN: 3,136 psi, 10 MIN: 3,067 psi. 15 MIN: N/A psi. Total Total 30/50 White: 36,902 lbs. Total 100 mesh 8,069 lbs. Total prop pumped 44,970 Lbs Total 15% HC acid 4746 gal. Avg HHP: 8,366. Total load to recover 2,340 bbl. Bottom Master valve on Frac Tree leaking during flush. - RDWL RU Baker Hughes for frac. St. Press. Test. Made repair on bad check valve and tested lines to 9950 PSIG. Opened well @ 20:55 hrs. - RU for Frac w/ Baker Hughes. Rockwater still not able to get water to tanks. Rockwater repaired bad check valve on suction. Filled 10 frac tankson staging area. Started pumping up hill to location when Poly pipe shifted back and put union in a position that started leaking. Readjusted poly line and connected union back together and resumed pumping water to location. - Hold PJSM. Prime up pumps and pressure test line to 9,750 psi. Hydraulic Fracture Stage 1 as follows: Break down NA. Avg rate: 43 bpm, Avg press: 8,241 psi, Max rate: 50 bpm, Max press: 9,530 Psi. FG.0.72, ISIP: 3,272 PSI, 5 MIN: 2,996 psi, 10 MIN: 2,956 psi. 15 MIN: 2,890 psi. Total Total 30/50 White: 25,336 lbs. Total 100 mesh 5,369 lbs. Total prop

pumped 30,705 Lbs Total 15% FE acid 2,100 gal. Avg HHP: 16,992. Total load to recover 2,694 bbl. Including 232 bbl on pump down. - Pumped water to fill 12 frac tanks on location. - Held PJSM. RU WL for pump down. Test to 8,500 Psi. OK. RIH. Pump down with max pump rate of 10 bpm 3,719 Psi. Set plug at 11,332', Perforate Stage 2 at 11,280' - 78.5', 11,237'-35.5', 11,190'-88.5'. Final pressure of 3,000 psi and falling. Perforated with 3 1/8" guns at 60 degrees, 3 spf, three 2' guns 27 holes. POOH, all shots fired and LOOH to liner top. Liner Top logged @ 7009'. POOH to surface.

**Daily Cost:** \$0

**Cumulative Cost:** \$543,398

**8/28/2012 Day: 17**

**Completion**

Rigless on 8/28/2012 - MIRU Cudd CTU, MIRU Crane and test Stack - - 0215-0230 Pressure test valve against HCR Valve to 9900 PSIG. Hold for 5 minutes. Good Test. 0130-0215 Repairs compete, Replaced ring gasket and reset flange w/ correct torque. - RU CT control stack and started pressure testing of control stack for CT. While waiting for rental crane to arrive on location. - Wait on 15k rental valve to arrive on location. - Move in and spot Cudd 2" CTU. Stab CT in injector head. - Held PJSM. RU WL for pump down. Test to 8,500 Psi. OK. RIH w/ WL to set HES Plug and Perf Stage 8. St. Pumpdown @ 7200"/2BPM/6680 PSIG. We were pumping plug @ 9200" and 160 FPM, saw a line speed increase from 155 FPM to 548 FPM over 20" and a Line tension increase from 1025# to +- 1640#. Immediately shut down, tool stopped and attempted to pull back uphole and instructed Baker to pump 2 BPM. Pumps came online @ 7+ BPM and tool was pumped off while attempting to pull uphole. At 0100 Hrs, WL instructed to POOH and RD off location. - Hold PJSM. Prime up pumps and pressure test line to 9,750 psi. Hydraulic Fracture Stage 7 as follows: Break down 5,869 PSIG @ 11.1 BPM. Avg rate: 42 bpm, Avg press: 8,178 psi, Max rate: 54 bpm, Max press: 9,413 Psi. FG.0.956, ISIP: 5,387 PSI, 5 MIN: 3382 psi, 10 min 3137 psi, 15 min 3072 psi. Total prop pumped 54,617 Lbs Total 15% FE acid 2,058 gal. Avg HHP: 9751. Total load to recover 2,302 bbl. - Held PJSM. RU WL for pump down. Test to 8,500 Psi. OK. RIH. Pump down with max pump rate of 11 bpm 5547 Psi. Set plug at 10385', Perforate Stage 7 at 10,354'-52.5', 10,305'-10,0303.5', 10,255'-253.5'. Final pressure of 3,569 psi and falling. Perforated with 3 1/8" guns at 60 degrees, 3 spf, three 3' guns 27 holes. POOH, all shots fired. - Hold PJSM. Prime up pumps and pressure test line to 9,750 psi. Hydraulic Fracture Stage 6 as follows: Break down 5,080 PSIG @ 11.2 BPM. Avg rate: 52 bpm, Avg press: 7,710 psi, Max rate: 57 bpm, Max press: 9,138 Psi. FG.0.833, ISIP: 4,190 PSI, 5 MIN: 2,910 psi, 10 MIN: 2,756 psi. 15 MIN: 2,752 psi. Total Total 30/50 White: 50,993 lbs. Total 100 mesh 9,538 lbs. Total prop pumped 60,531 Lbs Total 15% FE acid 924 gal. Avg HHP: 9751. Total load to recover 2,616 bbl. Including 193 bbl on pump down. - Replaced Baker pump. On inside bank. - Held PJSM. RU WL for pump down. Test to 8,500 Psi. OK. RIH. Pump down with max pump rate of 10.4 bpm 4,388 Psi. Set plug at 10,572', Perforate Stage 6 at 10,528'-26.5', 10,484'-82.5', 10,440'-38.5'. Final pressure of 3,150 psi and falling. Perforated with 3 1/8" guns at 60 degrees, 3 spf, three 3' guns 27 holes. POOH, all shots fired. - Hold PJSM. Prime up pumps and pressure test line to 9,750 psi. Hydraulic Fracture Stage 5 as follows: Break down NA. Avg rate: 57 bpm, Avg press: 7,279 psi, Max rate: 61 bpm, Max press: 7,758 Psi. FG.0.77, ISIP: 3,602 PSI, 5 MIN: 3,006 psi, 10 MIN: 2,930 psi. 15 MIN: 2,893 psi. Total Total 30/50 White: 63,421 lbs. Total 100 mesh 11,988 lbs. Total prop pumped 75,409 Lbs Total 15% FE acid 920 gal. Avg HHP: 10,169. Total load to recover 3,847 bbl. Including 599 bbl on pump down. - Decision made to set plug and continue operations. Set plug at 10,755', Perforate Stage 5 at 10,725'-23.5', 10,682'-80.5', 10,621'-19.5'. Final pressure of 3,430 psi and falling. Perforated with 3 1/8" guns at 60 degrees, 3 spf, three 3' guns 27 holes. POOH, all shots fired. - 0510-0700 Made additional attempt to pump plug downhole bring rate up to 10 BPM. Pump 100 BBls as follows: 2 BPM @ 3500 PSIG, 4 BPM @ 3900 PSIG, 6 BPM @ 4200 PSIG, 8 BPM @ 5400 PSIG, 10 BPM @ 5900 PSIG. WOO 0245-0510 RIH w/ WL to set plug and perf. St Pumpdown @ 7200" w/ rate 2 BPM 3030 PSIG. Increase rate to max of 10 BPM @ 4960 PSIG @ 8500" . Line Tension 1080 avg./Line Speed 175 Avg. At 10260" there was an increase in Line Speed and Line Tension to

248 FPM on Line Speed and 1900# Line Tension. Slowed rate to 7 BPM and LT fell to 1100 and LS fell to 165. Continued to 10700'. LS suddenly increased to 250 +- FPM and LT Increased to 1200-1300#. WL Operator SD Pumps. Upon attempting to continue pumpdown we were unable to move plug and gun assembly. Made 3 attempts to pump plug w/ rate up to 10 BPM w/ no success. Pump pressure @ 10 BPM 6670 PSI. Surged well 3 times flowing well to pit no more than 30 BBL. 0230-0245 RUWL and test lubricator to 8500 PSIG for 5 minutes. Good test. Equalize and Open WH. WH pressure 2670 PSIG. 0215-0230 Pressure test valve against HCR Valve to 9900 PSIG. Hold for 5 minutes. Good Test. - RU crane and continue testing on control stack. 2 Hr delay due to damaged TTS bull plate. SD for 1 hour due to lightning close by.

**Daily Cost:** \$0

**Cumulative Cost:** \$598,662

**8/29/2012 Day: 18**

**Completion**

Rigless on 8/29/2012 - RDMO Baker and WL. MIRU CTU - RU crane and continue to RU CTU and TTS. Delay for 2 hours due to damaged TTS Bull Plate and 1 hour delay due to lightning close by. - WL and Baker RDMO Loc. - Move in Cudd 2" CTU and spot on well. Stab CT in injector head. - RU Weatherford to test stack and continue to RU CTU. Waiting on crane

**Daily Cost:** \$0

**Cumulative Cost:** \$651,943

**8/30/2012 Day: 19**

**Completion**

Rigless on 8/30/2012 - POOH w/ guns to surface and PU BHA #2 to RBIH and mill out plug. Ran in to restriction @ QN nipple. - RIH w/ CT and set down 8K weight on restriction. Tried to rotate for 4-6 minute w/ no success. Reviewed specifications on procedure and compared to BHA in hole and found bit OD @ 3.8" would not go through QN nipple on frac string. Decided to POOH and pu smaller OD (3.62") mill. - RIH w/ CT. Pump Rate .50 BPM, CP 2770 PSIG, WH 2650 PSIG. Est. Rate @ .75 BPM, CP 3450 PSIG, WH 3125 PSIG. Depth 3400'. - 1615 at surface with BHA #1. Hold PJSM. Broke lubricator off of well. Caught fish have guns with no plug. Break down and disarm guns with Pure Wireline personnel. Inspected on surface all wireline components in place. Break down BHA #1 to pick up BHA #2 for drill out. - Completed all testing of valves and BOP's on CTU. MU Cudd CTU Lubricator & MU BHA for TTS Fishing tool consisting of the following: External Slip Type Connector 2.88" OD x 1.38 ID x 1.67' L, DPBV 2.88" OD x 1.00 ID x 2.00' L, Yankee Screwdriver 2.88" OD x 0.00" ID x 3.87' L, Jar 2.88" OD x 1.00" ID x 5.67' L, Hydraulic Disconnect 2.88" OD x 0.69" ID x 2.24' L, Dual Circulating Sub 2.88" OD x 0.56" ID x 1.58' L, Rotary Sub 3.06" OD x 1.25" ID x 0.70' L, Series 150 Overshot (1" Thru 3 1/2") 3.75" OD x 1.95" ID x 2.00" L, Extension Overshot 3.75" OD x 3.125" ID x 3.00" L, Cutlip Guide 3.75" OD x 3.125" ID x 0.67" L. Overall length 23.40' - Decision made to continue operations and make repairs to computer system later. RIH with BHA #1. Pumping 3/4 bpm with CP - 4000 psi, WHP - 3,600 psi. Tagged fish at 9,419' and continued to push fish down hole to 9,504'. Pressure increased to 5,000 psi checked PU Wt 15k. CP - 4200 psi, WHP - 3,800 psi. SO Wt - 0, Went back down and set down on fish with 15k. Picked up to 48k and waited on jars to go off. Had no change in PU Wt with pressure remaining at 4000 psi. Worked CT up and down on fish looking for any indication of fish be caught. Pumped up to 2 bpm, CP -7,000 psi, WHP - 5,500 psi. to wash off any sand or debris on top of fish. Decided to Pull out of hole and check for fish. - Cudd 2" CTU having issues with computer. Cannot get readings on screen to come up to record job details. - BHA #1 broke down and assembled TTS BHA #2 for mill out of plug as follows: External Slip Type Connector 2.88" OD x 1.38" ID x 1.64' L, DPBV 2.88" OD x 1.00" ID x 1.41' L, Hydraulic Disconnect 2.88" OD x 0.69" ID x 2.24' L, Dual Circulating Sub w/ Rupture Disc 2.88" OD x 0.56" ID x 1.58' L, Titan Supermax Motor w/ conventional power section 2.88" OD x 13.18' L, Carbide Insert Mill Concave 3.80" OD x 1.20' L. RU Lubricator to well and pressure test DPBV and

Lubricator. Pressure Test OK  
**Daily Cost:** \$0  
**Cumulative Cost:** \$682,737

**8/31/2012 Day: 20**

**Completion**

Rigless on 8/31/2012 - Finish POOH with CT and RD and released equipment. - POOH w/ CT and BHA #2. TTS Mill was found to have too large an OD (3.8") to pass through QN Nipple on Frac string. - Well Shut In-monitoring well and waiting on Frac date. - Blowed tubing dry and RD Cudd CTU and crane. Released equipment from location. Well secured. - POOH with Cudd 2" CT and BHA. 4.5̂̂ SICP ̂̂ 2850 psi. Mill had slight wear on outside edges of face with 3 pieces of composite plug lodged in between blades. Broke down tools and Loaded out. - RIH and Tag @ 9520̂̂ mill/wash to 10400̂̂ tagging sand fill @ 10215̂̂. Wash to 10400̂̂ without tagging plug. Stop and circulate bottoms up. POOH @ 40 FPM and circulate gell sweeps every 10-15 BBls. - Break off lubricator and LD BHA#2 bit and PU BHA #3 consisting of the following: External Slip Type Connector 2.88" OD x 1.38" ID x 1.64' L, DBPV 2.88" OD x 1.00" ID x 1.41' L, Hydraulic Disconnect 2.88" OD X 0.69" ID x 2.24' L, Dual Circulating Sub w/ Rupture Disc 2.88" OD x 0.56" ID x 1.58' L, Titan Supermax Motor w/ conventional power section 2.88" OD x 13.18' L, Carbide Insert Mill Concave 3.63" OD x 1.20' L. Pressure test and open well @ 2807 PSIG

**Daily Cost:** \$0  
**Cumulative Cost:** \$879,867

**9/1/2012 Day: 21**

**Completion**

Rigless on 9/1/2012 - Well Shut In-monitoring well and waiting on Frac date. - Well Shut In-monitoring well and waiting on Frac date.

**Daily Cost:** \$0  
**Cumulative Cost:** \$886,627

**9/3/2012 Day: 22**

**Completion**

Rigless on 9/3/2012 - Well Shut In-monitoring well and waiting on Frac date. - Well Shut In-monitoring well and waiting on Frac date. - Well Shut In-monitoring well and waiting on Frac date. - Well Shut In-monitoring well and waiting on Frac date.

**Daily Cost:** \$0  
**Cumulative Cost:** \$893,387

**9/5/2012 Day: 24**

**Completion**

Rigless on 9/5/2012 - MIRU Hydraulic Frac equipment and JW WLU. - Conduct PJSM, MIRU JW WLU and Baker Hydraulic Frac equipment.

**Daily Cost:** \$0  
**Cumulative Cost:** \$905,407

**9/6/2012 Day: 25**

**Completion**

Rigless on 9/6/2012 - Frac Uteland Butte - started to pump stage #8, lost #3 pump, and two othe pumps having issues, Under horse power, Shut down stage #8 change and repair pumps, (#3 pump on back side of location, rig down some equipment to get pump out,

replace and repair pumps, prime and test equipment for stage #8 frac. - Stand by for FMC tech to arrive and inspect middle manual 4 1/16" 10K Frac valve. Grease both frac valves, Good to go, - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. When Frac valve was cycled open it only made 19 turns out of 24. We have called out FMC to inspect. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.9 bpm at 6,388 Psi. ok, Set plug at 10,220', Perforate Stage 8 at (10,170'-71.5'), (10,120'-21.5'), (10,070'-71.5'). Final pressure of 4,150 psi & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH, all shots fired and drop ball for HF stage 8. - Conduct PJSM, SICP: 2,315 psi. Conduct a PI sweep on well to prepare for stage #8 plug and gun run as follows: 30 bpm at 6,800 psi with 267 bbls. - Conduct PJSM, Baker Hydraulic Frac team MIRU remaining equipment, Prepare for service. Prime and test lines and equipment. Set Pop offs at 9,800 psi and 3,800 psi on BS.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,007,776

**9/7/2012 Day: 26**

**Completion**

Rigless on 9/7/2012 - Frac Uteland Butte - Pumping stage #8 & lost a pump on pump #22 of 1# - 100 mesh, dropped from 42 bpm to 30 bpm, continue to try and flush well bore, Pressured up, drop to 10 bpm, pressured out before finishing flushing well bore clean, Shut in well and turn over to flowback to clean up well bore. Pressured out before stage complete. Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #8 as follows: Break down 15.0 bpm @ 7,345 psi. Avg rate: 40 bpm, Avg press: 8,005 psi, Max rate: 43 bpm, Max press: 9,160 Psi. FG.1.009, ISIP: 5,835 PSI, 5 MIN: na psi, 10 MIN: na psi. 15 MIN: na psi. Total 30/50 White: 32,787 lbs, Total 100 mesh: 7,656 lbs. Total 15% FE acid 26 bbls. Avg HHP: 7,868. Total load to recover 2,733 . Including 144 bbl on pump down. 1. Pop off set at 9,850 psi, 2521 psi on N2 bottle, 250 psi on N2 gauge. 2. Opened well at 12:25 at 2,312 psi for sweep prior to s8 gun run. Pumped 265.4 bbls at 30 bpm. 3. Turns on Master valves were different, start of job delayed to verify number of turn on each valve. Down approx 4hrs. 4. Had problems with 3 pumps during pad, shut down to replace valves, replace check valve & swap pump. Down approx 3.5hrs. 5. Had several increases in pressure once pumping resumed and had good kick with 2nd 1.25ppg on perms. Reduced rate to 10 bpm while sweeping 1.25ppg prop, able to get back up to 19bpm when 100mesh reached perms. Had to come off line with 100mesh in pipe, left approx 300lbs in pipe. Placed approx 32,380lbs or 67% on formation. 6. Good job by crew working through issues - Flowback to clean up well bore. Open well on 18 choke with 3,100 Psi, flowing well for clean up, flowed 213 bbls, at 3.2 bpm, on 19 choke, final pressure 1,300 Psi, turned well over to frac, - Open well, Flushed well bore with 150 bbls, well bore clean, pressure low enough to pump wire line guns in hole, turn over to wireline, - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.0 bpm 6,380 Psi. ok, Try to set plug at 10,015', No indication plug tried to set, Pulled up 150' and pumped tools past setting depth, Plug didn't set, POH at present time with guns and plug, to replace with new tool string and rerun. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.7 bpm at 6,316 Psi. ok, Set plug at 10,015', Perforate Stage 9 at (9,985'-86.5'), (9,935'-36.5'), (9,885'-86.5'). Final pressure of 4,470 psi & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH, all shots fired and drop ball for HF stage 9. - Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #9 as follows: Break down 16.0 bpm @ 5,568 psi. Avg rate: 32 bpm, Avg press: 7,447 psi, Max rate: 48 bpm, Max press: 9,125 Psi. FG..906, ISIP: 3,477 PSI, 5 MIN: 3,231 psi, 10 MIN: 3,145 psi. 15 MIN: 3,098 psi. Total 30/50 White: 1,760 lbs, Total 100 mesh: 3,554 lbs. Total 15% FE acid 74 bbls. Avg HHP: 5,768. Total load to recover 1,032 . Including 149 bbl on pump down. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.4 bpm at 5,715 Psi. ok, Set plug at 9,841', Perforate Stage 10 at (9,800'-01.5'), (9,750'-51.5'), (9,700'-01.5'). Final pressure of 3,480 psi & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH, all shots fired

and drop ball for HF stage 10. - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Basal Carbonate stage #10 as follows: Break down 46.1 bpm @ 7582 psi. Avg rate: 41 bpm, Avg press: 7,455 psi, Max rate: 48 bpm, Max press: 9,283 Psi. FG..951, ISIP: 3,810 PSI, 5 MIN: n/a psi, 10 MIN: n/a psi. 15 MIN: n/a psi. Total 30/50 White: 21,249 lbs, Total 100 mesh: 5,322 lbs. Total 15% FE acid 60 bbls. Avg HHP: 7,418. Total load to recover 2,184. Including 130 bbl on pump down. 2,376 psi on N2 bottle, 261 psi on N2 gauge. Pop off set at 9,850 psi. Dropped prop conc and increased sweeps at the start of the job. Upon staging to 1 ppa, initially ran well bore volumes to see reaction on formation. Fought pressure on second 1 ppa sand, but took a large pressure break with the well clear. Sent another wellbore of 1 ppa, well started to pressure out as prop was on. Well pressured out 45 bbls short of capacity. Pumped approx 44% of the job, placed approx 41% on the formation, 1,800 left in the pipe. 44.3% OF THE DESIGNED PROPPANT WAS PUMPED. 24,725 LBS OF PROPPANT PLACED IN THE FORMATION. 1,846 LBS OF PROPPANT LEFT IN CASING. - Conduct PJSM, Flow well back for 245 bbls. SI and Flush well at 32.8 bpm at 8,060 psi. All good. Turn over to WL for stage #11 plug and perf. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.4 bpm 6757 Psi. ok, Set plug at ( 9,615'), Perforate Stage #11 at (9,618-19.5'), (9,565-66.5'), (9,515-16.5') Final pressure of 3,764' & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. POOH, all shots fired and drop ball HF stage #11. Turn well over to frac. - 23:30 ÷ 00:30 Flow back well for cleanup of sand from well bore, Flowed back 334 bbls at 4.7 BPM Avg, at 900 Psi, on 28 choke, Flowed well 1 hr, turned well back over to frac. - 20:30 ÷ 22:30 Problems getting all equipment together to get started, trying to resolve the problems, all small stuff, no major problems. Pump not running correct, leaking valves, Ect, Problems resolved and starting stage #11. 22:30 ÷ 23:30 Pressured out before stage complete. Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #12 as follows: Break down 12.0 bpm @ 5,920 psi. Avg rate: 44 bpm, Avg pressure: 8,410 psi, Max rate: 55 bpm, Max press: 9,840 Psi. FG.0.434, ISIP: na PSI, 5 MIN: na psi, 10 MIN: na psi. 15 MIN: na psi. Total 30/50: 17,413 lbs, Total 100 mesh: 5,284 lbs. Total 15% FE acid 25 bbls. Avg HHP: 8,987. Total load to recover 2,060. Including 147 bbl on pump down.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,043,522

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**9/8/2012 Day: 27**

**Completion**

Rigless on 9/8/2012 - Frac Uteland Butte - 00:30 ÷ 01:30 Pump into well starting at 2.5 BPM, at 4,094 Psi, worked rate to 16.7 BPM, at 9,500 Psi, 55 bbls, pressured out. Restarting at 8.0 BPM, at 7,836 Psi, worked rate to 15.8 BPM, at 8,720 Psi, dropped rate to 10.7 BPM at 7,356 Psi, Pumped 312 bbls flush, Shut down pumps and turn over to wireline. - - Change out check crew, Location Safety Mtg. Prime pumps and test lines to 9,700 bottle, 260 psi on N2 gauge. Pop off set at 9800 psi. Pumping stage #15 at report time, - 21:00 ÷ 22:30 Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.8 bpm at 6,148 Psi. ok, Set plug #14 at ( 8,936), Perforate Stage #15 at (8,882-83.5'), (8,825-26.5'), (8,775-76.5') Final pressure of 3,828 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #15. Turn well over to frac. - 19:00 ÷ 21:00 Change out check valve on pump line, Prime up and test lines, OK. Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #14 as follows: Break down 19.0 bpm @ 6,115 psi. Avg rate: 49 bpm, Avg pressure: 8,340 psi, Max rate: 54 bpm, Max press: 9,245 Psi. FG.0.976, ISIP: 3,995 PSI, 5 MIN: 3,540 psi, 10 MIN: 3,430 psi. 15 MIN: 3,370 psi. Total 30/50: 13,641 lbs, Total 100 mesh: 3,536 lbs. Total proppant pumped: 17,177 Lbs, Total 15% FE acid 84 bbls. Avg HHP: 10,037, Total load to recover 1680bbls, Including 134 bbl on pump down. 28.6% OF THE DESIGNED PROPPANT WAS PUMPED. 2100 psi on N2 bottle, 260 psi on N2 gauge. Pop off set at 9800 psi. 1. Able to bring rate up to 55bpm during pad. 2. Had steady increases in pressure when each sand stage reached formation. 3. Lost pump during the 0.75ppg 30/50 sand stage, rate dropped from 51bpm to 47bpm. 4. Had steady increase in pressure after 1ppg sand had been

on formation, reduced rate to 42bpm due to pressure increase. 5. Did not see and significant pressure relief from extended sweep stage, 8900 psi @ 42bpm and 2 WB volumes. 6. Decision made to call job and move on to s15. 7. Overall good effort by crew making adjustments on the fly during job. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.9 bpm 5,708 Psi. ok, Set plug at ( 9,105'), Perforate Stage #14 at (9,060'-61.5'), (9,010'-11.5'), (8,960'-61.5') Final pressure of 4,298 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #14. Turn well over to frac. - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Basal Carbonate stage #13 as follows: Break down 6,152 bpm @ 20.6 psi. Avg rate: 48 bpm, Avg press: 7,918 psi, Max rate: 52 bpm, Max press: 9,130 Psi. FG..1.001, ISIP: 4,178 PSI, 5 MIN: 3,572 psi, 10 MIN: 3,465 psi. 15 MIN: 3,399 psi. Total 30/50 White: 16,497 lbs, Total 100 mesh: 5,381 lbs. Total 15% FE acid 64 bbls. Avg HHP: 9,276. Total load to recover: 2,293 bbls Including 112 bbl on pump down. 2,261 psi on N2 bottle, 260 psi on N2 gauge. Pop off set at 9,850 psi. Worked up rate to 52 bpm and started into job. Pressured kept slowly increasing as prop on formation. Pumped a well bore of 1.0 ppa 30/50 and fought pressure when on formation. Gained approx 1000 psi with no relief Rate dropped to 45 bpm and pressure holding at 8,700 psi. Pumped a small stage of 0.75 ppa 30/50 to see reaction. Fought pressure with 0.75 on, rate dropped to 36 bpm with pressure continuing to spike after well bore clear. Finished sweep to design flush volume. Placed approx 36% of the job in formation. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.9 bpm 5,366 Psi. ok, Set plug at ( 9,272'), Perforate Stage #13 at (9,241'-31.5'), (9,195'-96.5'), (9,145'-46.5') Final pressure of 3,278 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #13. Turn well over to frac. - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Basal Carbonate stage #12 as follows: Break down N/A bpm @ N/A psi. Avg rate: 40 bpm, Avg press: 8,080 psi, Max rate: 48 bpm, Max press: 9,285 Psi. FG..937, ISIP: 3,709 PSI, 5 MIN: 3,277 psi, 10 MIN: 3,252 psi. 15 MIN: 3,205 psi. Total 30/50 White: 3,525 lbs, Total 100 mesh: 3,551 lbs. Total 15% FE acid 100 bbls. Avg HHP: 7,862. Total load to recover 1,860 . Including 118 bbl on pump down. 2,024 psi on N2 bottle, 250 psi on N2 gauge. Pop off set at 9850 psi. Did not see definite ball action, proceeded to job rate. Lost Alpha and FRW pumps on first 100 Mesh. Displaced well and shutdown to troubleshoot. Down 5:10. Saw pressure spike with 0.5 ppa on formation, broke back when clear, pressure back up with 0.75 100 Mesh on. Sent acid after staging to sweep after 0.75 ppa 30/50. Well tried to pressure out with 0.75 ppa 30/50 on formation. Rate dropped to 30 bpm. Extended sweep to see acid hit. Could only get back to 37 bpm at 9,200 psi. Contacted Denver and called job at that point. 11.8% OF THE DESIGNED PROPPANT WAS PUMPED. - 11:30 Baker E-tech on location and begin repairs on LA pump for Alpha chemical add. - Conduct PJSM, Start stage #12 and at 1st .5 ppg 100 Mesh we lost FR and Alpha LA pumps. We flushed well and SD to repair. Called out E-tech to repair. - Swap out pumps, fluid end on all pumps, one pump on back row, tore down to replace pump on back row and two pumps on front row, hammer up iron, prep to pump stage #12 - 01:30 - 03:30 Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.4 bpm 8,253 Psi. ok, Set plug at ( 9,490'), Perforate Stage #12 at (9,430-31.5'), (9,390-91.5'), (9,330-31.5') Final pressure of 3,256' & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #12. Turn well over to frac.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,102,467

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**9/9/2012 Day: 28**

**Completion**

Rigless on 9/9/2012 - Frac Ute land Butte - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.4 bpm at 6,323 Psi. ok, Set plug #15 at ( 8,722), Perforate Stage #15 at (8,690-91.5'), (8,640-41.5'), (8,590-91.5') Final pressure of 3,234 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #16. Turn well over to frac. - Finished pumping stage #15

Stage #15 Change out check crew, Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #15 as follows: Break down 19.0 bpm @ 6,115 psi. Avg rate: 49 bpm, Avg pressure: 8,340 psi, Max rate: 54 bpm, Max press: 9,245 Psi. FG.0.976, ISIP: 3,995 PSI, 5 MIN: 3,540 psi, 10 MIN: 3,430 psi. 15 MIN: 3,370 psi. Total 30/50: 13,641 lbs, Total 100 mesh: 3,536 lbs. Total proppant pumped: 17,177 Lbs, Total 15% FE acid 84 bbls. Avg HHP: 10,037, Total load to recover 1680bbls, Including 134 bbl on pump down. - 04:00 to 05:30 Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 9.4 bpm at 5,678 Psi. ok, Set plug #16 at ( 8,552), Perforate Stage #17 at (8,505-06.5'), (8,455-56.5'), (8,405-06.5') Final pressure of 3,219 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #17. Turn well over to frac. - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Basal Carbonate stage #17 as follows: Break down 16.8 bpm @ 5,695 psi. Avg rate: 50 bpm, Avg pressure: 7,701 psi, Max rate: 55 bpm, Max press: 8,820 Psi. FG.0.961, ISIP: 3,881 PSI, 5 MIN: 3,260 psi, 10 MIN: 3,149 psi. 15 MIN: 3,087 psi. Total 30/50: 30,700 lbs, Total 100 mesh: 5,365 lbs. Total proppant pumped: 36,065 Lbs, Total 15% FE acid 26 bbls. Avg HHP: 9,494, Total load to recover 2,793 bbls, Including 52 bbl on pump down. 1925 psi on N2 bottle, 260 psi on N2 gauge. Pop off set at 9800 psi. Achieved 55 bpm at the start of the job. Started to see pressure increase with 1 ppa sand stages on formation. Cut last 1 ppa of third sand grouping short due to increase in pressure. Slowly dropping the rate back. Continued to sweep the well with no relief on pressure, near 9,000 psi. Called job at that point, placed approx 60% of the job. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.7 bpm at 5,766 Psi. ok, Set plug #17 at ( 8,373), Perforate Stage #18 at (8,320'-21.5'), (8,270'-71.5'), (8,230'-31.5') Final pressure of 3,498 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #18. Turn well over to frac. - Baker will need to swap out HP unit on BS bank. Stand by. - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Basal Carbonate stage #18 as follows: Break down 7.7 bpm @ 6,212 psi. Avg rate: 49 bpm, Avg pressure: 7,950 psi, Max rate: 54 bpm, Max press: 8,916 Psi. FG.0.954, ISIP: 3,832 PSI, 5 MIN: 3,328 psi, 10 MIN: 3,236 psi. 15 MIN: 3,183 psi. Total 30/50: 32,233 lbs, Total 100 mesh: 7,664 lbs. Total proppant pumped: 39,897 Lbs, Total 15% FE acid 47 bbls. Avg HHP: 9,489, Total load to recover 2,740 bbls, Including 55 bbl on pump down. 1,938 psi on N2 bottle, 260 psi on N2 gauge. Pop off set at 9,850 psi. Developed a leak between the Baker flange and the upper master at start of job, displaced acid and shutdown. Came back on line, able to get up to 52 bpm. Ran a larger pad. Backed off the first 1.0 ppa to 0.75 and ran same volume of prop. As 1 ppa started to hit formation, overall steady gain in pressure. Had a spike in the pressure with last 1 ppa of third sand group. Able to control with rate. Had to bring a pump off due to leaking cap on the suction manifold. Leveled out rate at 50 bpm. Sent down last 1 ppa 100 Mesh as displaced. Well started to pressure out with 100 Mesh on. Controlled with rate. Pressure continued to climb with well flushed and dropping rate. Called job at that point. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 8.8 bpm at 5,092 Psi. ok, Set plug #18 at ( 8,199), Perforate Stage #19 at (8,145'-46.5'), (8,085'-86.5'), (8,035'-36.5') Final pressure of 3,302 & Falling. 3 1/8" guns at 60 degrees, 6 spf, three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #19. Turn well over to frac. - Location Safety Mtg. Prime pumps and test lines to 9,800 psi, OK. Hydraulic Fracture Basal Carbonate stage #19 as follows: Started stage #19. Seat ball and displaced acid. SD due to a HP unit cracked fluid end. Will swap out now. - Baker swap out HP unit, MIRU, Prime and test. - Test lines to 9,800 psi, OK. Resume Hydraulic Fracture Basal Carbonate stage #19 as follows: Break down 7.7 bpm @ 4,961 psi. Avg rate: 51 bpm, Avg pressure: 7,212 psi, Max rate: 55 bpm, Max press: 7,892 Psi. FG.0.938, ISIP: 3,714 PSI, 5 MIN: 3,366 psi, 10 MIN: 3,270 psi. 15 MIN: 3,228 psi. Total 30/50: 54,317 lbs, Total 100 mesh: 7,722 lbs. Total proppant pumped: 62,039 Lbs, Total 15% FE acid 43 bbls. Avg HHP: 8,980, Total load to recover 3,376 bbls, Including 35 bbl on pump down. - Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH. Pump down with max pump rate of 6.7 bpm at 3,809 Psi. ok, Set plug #19 at ( 7,931), Perforate Stage #20 at (7,950'-51.5'), (7,930'-31.5'), (7,900'-01.5') Final pressure of 3,130 & Falling. 3 1/8" guns at 60 degrees, 6 spf,

three 1.5' guns 27 holes. . POOH, all shots fired and drop ball HF stage #20. Turn well over to frac. - Waiting on water supply for stage volume on location for start of frac, Short 1,000 bbls. Not sure what happen with water supply, miss calculation of amounts. - Stage #20 Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #20 as follows: Break down 17.0 bpm @ 5,295 psi. Avg rate: 55 bpm, Avg pressure: 6,905 psi, Max rate: 61 bpm, Max press: 9,255 Psi. FG.1.038, ISIP: 4,450 PSI, 5 MIN: 3,480 psi, 10 MIN: 3,360 psi. 15 MIN: 3,295 psi. Total 30/50: 39,673 lbs, Total 100 mesh: 7,752 lbs. Total proppant pumped: 47,425 Lbs, Total 15% FE acid 22 bbls. Avg HHP: 9,274, Total load to recover 2,803 bbls, Including 118 bbl on pump down. - Kill plug runs Held PJSM. RU WL for pump down. Test to 9,500 Psi. OK. RIH, Set kill plug #1 at (7,161 $\pm$ ) (set in middle of third casing jt below liner top), POH with setting tool, Bleed off casing pressure, 0 Psi on casing, PUMU new setting tool and RIH and set kill plug #2 at (7,119 $\pm$ ) (set in middle of second casing jt below liner top), Shut in well and release and RDMO JW wireline, Baker Hughes, and all frac related equipment, - Stage #16 Location Safety Mtg. Prime pumps and test lines to 9,700 psi, OK. Hydraulic Fracture Basal Carbonate stage #16 as follows: Break down 10.1 bpm @ 5,365 psi. Avg rate: 51 bpm, Avg pressure: 8,550 psi, Max rate: 57 bpm, Max press: 9,335 Psi. FG.0.936, ISIP: 3,700 PSI, 5 MIN: 3,205 psi, 10 MIN: 3,125 psi. 15 MIN: 3,080 psi. Total 30/50: 39,071 lbs, Total 100 mesh: 7,720 lbs. Total proppant pumped: 46,791 Lbs, Total 15% FE acid 23 bbls. Avg HHP: 10,688, Total load to recover 2,991 bbls, Including 128 bbl on pump down.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,286,745

**9/10/2012 Day: 29**

**Completion**

Nabors #147 on 9/10/2012 - ND/frac stack, NU/Drillout stack, - Wait on nipple crew and Drill out stack to arrive location, - JSA Saftety Meeting. ND FMC frac stack & adaper flange. NU FMC 10K-7-1/16 $\pm$  Manual Frac Valve, 10K-5K 7-1/16 $\pm$  DSA, 5K 7-1/16 $\pm$  BOP w/blind rams and double valved choke/kill outlets, 5K 7-1/16 $\pm$  pipe BOP w/4-1/2 $\pm$  rams & 5K 7-1/16 $\pm$  flow cross w/dual, double valved 2-1/16 $\pm$  outlets. Torque all bolts. MIRU WOR (Nabor #1406). With the bottom manual frac valve closed, the blind rams closed, the outside choke line valves closed, Function and pressure test between 200-300 psi for low for 5 min for low. Tstd OK. Incr press to 5,000 psi for high for 10 min. Tstd OK. BO pressure, closed the inside valves, open the outside valves, Open the bottom manual frac valve & Function and pressure test the inside valves & shell test the bottom manual frac valve between 200-300 psi. Tstd OK. BO pressure & RIH w/4-1/2 $\pm$  test sub though the BOP. Screwed the 4-1/2 $\pm$  test sub into the PTP, Installed a 4-1/2 $\pm$  TIW onto the test sub w/the TIW close, w/ the 4-1/2 $\pm$  pipe BOP $\pm$ s closed. Function and pressure test between 200 -300 psi for low for 5 min. Tstd OK. Incr pressure to 5,000 psi for high, found a door seal leaking. Repairing leak retest, Stack ed good, Continue to set up equipment on location in preperation to pulling 4.5" frac string. Had leaks on flow back lines repaired leaks and lines tested good. RDMO weatherford's test unit, - MIRU Weatherford's casing equipment, Released pins on donut and Picked up on pipe, came off donut at 41,000# Continued to move pipe up, Pipe free and no drag at 82,000#, Slight bounce as we got to tubing weight, Lay down lift sub and donut and POH with tubing, Pulled the following: Baker Seal Assembly 10.70' x 3.920" ID x 5.593" OD, QN Nipple 1.62' x 3.775" ID x 5.563" OD, 167 Jts 4 1/2 Casing, - RDMO Baker Hughes, JW wireline, and all other frac related equipment.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,323,735

**9/11/2012 Day: 30**

**Completion**

Nabors #147 on 9/11/2012 - Change pipe rams, PUMU 2 3/8 drill out string, drill out CFP's, - Change out 4 1/2" pipe rams to 2 3/8" pipe rams, Test same. Function and pressure test bottom 2-3/8 $\pm$  pipe BOP rams between 200-300 psi for 5 min for low, w/the manual frac valve

closed. Tstd OK. BO pressure. Attempt to function and pressure for the high pressure test and found the door seal leaking. BO pressure. Changed out door seal. Retest 2-3/8" pipe BOP rams, found the 7-1/16" manual frac valve leaking bye. Running invoice #00165 Load out 4-1/2" casing. Attempt to function and pressure test 2-3/8" pipe BOP rams, w/10K 7-1/16" manual frac valve closed. Leaked off. Attempt several time w/no results. PU and ran though BOP stack w/7-1/16" tubing head, 1 jt 2-3/8", 8rd tubing & secure lock in pin w/TIW closed. Function and pressure test botton 2-3/8" pipe BOP rams between 200-300 psi for low, for 5 min. Tstd OK. BO pressure. Function and pressure test bottom 2-3/8" pipe BOP rams to 5,000 psi for high, for 10 min. Tstd OK. BO pressure. Function and pressure test top 2-3/8" pipe BOP rams between 200-300 psi for low, for 10 min. Tstd OK. BO pressure. Function and pressure test top 2-3/8" pipe BOP rams to 5,000 psi for high, for 10 min. Tstd OK. BO pressure. FMC arrive onto location to grease manual frac valve. MIRU Hot Oil Truck to Function and pressure test 7" casing. w/10K 7-1/16" manual frac valve closed to 2,500 psi, for 30 min. Tstd OK. BO pressure. RD & released Hot Oil Truck. With the manual frac valve close, blind rams close. Function and pressure test the top of the manual frac valve between 200-300 psi for low, for 5min. Leak off. BO pressure. Attempt to Function and pressure test top manual frac valve to 5,000 psi for high, for 10 min. leaked off slowly. BO pressure. RD & released test unit. - Pulled the following frac string from well: Baker Seal Assembly 10.70' x 3.920" ID x 5.593" OD, QN Nipple 1.62' x 3.775" ID x 5.563" OD, 167 Jts 4 1/2 Casing, laid on racks, Shut in well, well dead, 0 psi on well. - MU & PU BHA (4 blade concave junk mill w/3.72" OD, X/over w/3.13" OD, 1.38" ID x 0.99', Pup Jt w/2.91" OD, 1.65" ID x 0.83', X/over w/3.13" OD, 1.38" ID x 0.92', Dual BPV w/2.88" OD, 1.00" ID x 1.41', X/over w/3.13" OD, 1.38" ID x 1.18', 1 Jt 2-3/8" 5.96#, P110 PH6 tubing 31.00' & 1.710" "RN" Nipple w/2.91 OD, 1.56" ID x 1.33'). RIH w/2-3/8" 5.96#, P110 PH6 tubing while talleying and PU off pipe racks. Tagged Kill plug #2 at 7,119', - Unable to get swivel unit running, dead battery, Jumped off with cables, But unable to start unit. Called Basic for serviceman to fix unit. Rig crew found blown fuss, Swivel unit running at present - PUMU swivel and break circ, Check circ system, good, pick up pipe and tag kill #2 at 7,119', Break circ and start drill out of plugs. Tag kill plug #2, 7,119', break circ 3,000 Psi at 4 bpm returns 4.75 bpm, drilled plug in 20 mins. Tag kill plug #1, 7,161', break circ 3,000 Psi at 4 bpm returns 4.75 bpm, drilled plug in 42 mins.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,399,128

**9/12/2012 Day: 31**

**Completion**

Nabors #147 on 9/12/2012 - Cont to DO CFP #5, #2 & CO to PBTD & 11,385' - 16:32 - PU 5" off CFP #5. Circ 2 hole volume (WHP = 1,200 PSI, Circ pressure 4 BPM at 2,500 PSI, though 20/64" choke w/3.7 Bbl out) w/15 Bbl sweep, 50 Bbl spacer & 20 Bbls sweep w/550 Bbls treated water. 19:30 Tag Frac plug #5 EOT 10,755", 337 jts in -3.7 bpm out- Csg 1,350 psi in Tbg 2,500 Psi -Mill 120 RPM -PU WT 48K-SO WT 37K in 48 bbl to mill plug, 30 Bbl over -WOB 9K in 14 min to drill Plug. 20 Choke. PU 18 jts. RIH with tbg to tag frac plug #2- EOT at 11,332" at jt #337. w/10 Bbl sweep. Returns: Trace of sand & plug parts. 21:30 Tag Frac plug #2 EOT 11,332", 337 jts in -3.7 bpm out- Csg 1,350 psi in Tbg 2,500 Psi - Mill 120 RPM -PU WT 48K-SO WT 37K in 48 bbl to mill plug, 30 Bbl over -WOB 9K in 12 min to drill Plug. 20 Choke. PU 6 jts. RIH with tbg to tag Float Collar-EOT at 11407' (Float Shoe 11,397') at jt #337. w/10 Bbl sweep. Circulate two bottms up. Returns: Trace of sand & plug parts. - 16:00 Thru plug #6 15:48 Tag Frac plug #6 EOT 10,572", 337 jts in -3.7 bpm out- Csg 1,350 psi in Tbg 2,500 Psi -Mill 120 RPM -PU WT 48K-SO WT 37K in 48 bbl to mill plug, 30 Bbl over -WOB 9K in 12 min to drill Plug. 20 Choke. PU 6 jts. RIH with tbg to tag frac plug #5-EOT at 10,755" at jt #337. w/10 Bbl sweep. Returns: Trace of sand & plug parts. - 10:16 Thru plug #11 10:06 Tag Frac plug #11 EOT 9,674", 308 jts in -3.8 bpm out- Csg 1,000 psi in Tbg 3,200 Psi -Mill 120 RPM -PU WT 43.8K-SO WT 33.3K in 40 bbl to mill plug, 20 Bbls over flush -WOB 9K in 10 min to drill Plug. 20 Choke. PU 5 jts. RIH with tbg to tag frac plug #10-EOT at 9,841" at jt #313. 10:30 - PU 5" off CFP #10. Circ 2 hole volume (WHP = 1,750 PSI, Circ pressure 4 BPM at 4,700 PSI, though 20/64" choke w/3.8 Bbl out) w/15 Bbl

sweep, 50 Bbl spacer & 20 Bbls sweep w/520 Bbls treated water. - 08:56 Thru plug #13  
08:50 Tag Frac plug #13 EOT 9,272̂, 295 jts ̂ 4 bpm in -3.9 bpm out- Csg 1400 psi ̂Tbg  
3,700 Psi -Mill 120 RPM -PU WT 43K-SO WT 34.6K ̂ 24 bbl to mill plug, 20 Bbl over flush -  
WOB 9K ̂ 6 min to drill Plug. 28 Choke. . PU 7 jts. RIH with tbg to tag frac plug #12-EOT at  
9,490̂ at jt #302. w/10 bbl sweep. Returns: Trace of sand & plug parts. 09:50 Thru plug #12  
09:20 Tag Frac plug #12 EOT 9,490̂, 302 jts ̂ 4 bpm in -3.9 bpm out- Csg 1,300 psi ̂Tbg  
4,500 Psi -Mill 120 RPM -PU WT 43K-SO WT 34.6K ̂ 120 bbl to mill plug, 20 Bbls to over flush  
-WOB 9K ̂ 30 min to drill Plug. 28 Choke. . PU 7 jts. RIH with tbg to tag frac plug #11-EOT at  
9,674̂ at jt #308. w/10 Bbl sweep - 07:34 Thru plug #15 07:16 Tag Frac plug #15 EOT  
8,936 ̂, 285 jts ̂ 4 bpm in -3.9 bpm out- Csg 1,600 psi ̂Tbg 3,700 Psi -Mill 120 RPM -PU WT  
34K-SO WT 27K ̂ 72 bbl to mill plug, 10 Bbl over flush -WOB 9K ̂ 18 min to drill Plug. 28  
Choke. PU 5 jts. RIH with tbg to tag frac plug #14-EOT at 9,103̂ at jt #290. w/10 bbl sweep.  
Returns: Trace of sand & plug parts. 08:21 Thru plug #14 07:50 Tag Frac plug #14 EOT  
9,105̂, 290 jts ̂ 4 bpm in -3.9 bpm out- Csg 1350 psi ̂Tbg 2,800 Psi -Mill 120 RPM -PU WT  
43K-SO WT 34.6K ̂ 124 bbl to mill plug, 20 Bbl over flush -WOB 9K ̂ 31 min to drill Plug. 28  
Choke. PU 5 jts. RIH with tbg to tag frac plug #13-EOT at 9,272̂ at jt #295. w/10 bbl sweep.  
Returns: Trace of sand & plug parts. - RIH and tag CoFP #1(#19) break circ 3,000 Psi at 4  
bpm returns 4.75 bpm, drilled plug in 25 mins. Pump 10 bbl sweep, string wt up 32,000,  
neutral 28,000, down 26,000 RIH and tag CoFP #2 (#18) break circ 3,000 Psi at 4 bpm  
returns 4.75 bpm, drilled plug in 27 mins. Pump 10 bbl sweep, string wt up 32,000, neutral  
28,000, down 26,000 RIH and tag CoFP #3 (#17) break circ 3,000 Psi at 4 bpm returns 4.75  
bpm, drilled plug in 30 mins. Pump 10 bbl sweep, string wt up 33,000, neutral 30,000, down  
28,000 RIH and tag CoFP #4 (#16), break circ 3,000 Psi at 4 bpm returns 4.75 bpm, drilled  
plug in 55 mins. Pump 10 bbl sweep, string wt up 33,000, neutral 30,000, down 28,000 RIH  
and tag CoFP #5 (#15), break circ 3,000 Psi at 4 bpm returns 4.75 bpm, drilled plug in 40  
mins. Pump 10 bbl sweep, PU and circ 1 hole volume w/250 Bbls. - 12:50 Thru plug #10  
12:35 Tag Frac plug #10 EOT 9,841̂, 313 jts ̂ 4 bpm in -3.7 bpm out- Csg 1,800 psi ̂Tbg  
4,750 Psi -Mill 120 RPM -PU WT 43.4K-SO WT 33K ̂ 60 bbl to mill plug, 15 Bbl over -WOB 9K  
̂ 15 min to drill Plug. 24 Choke. PU 6 jts. RIH with tbg to tag frac plug #9-EOT at 10,015̂ at  
jt #319. w/10 bbl sweep. Returns: Trace of sand & plug parts. 13:41 Thru plug #9 13:30 Tag  
Frac plug #9 EOT 10,015̂, 319 jts ̂ 4 bpm in -3.8 bpm out- Csg 1,350 psi ̂Tbg 3,700 Psi -  
Mill 120 RPM -PU WT 43.4K-SO WT 33K ̂ 44 bbl to mill plug, 30 Bbl over -WOB 9K ̂ 11 min  
to drill Plug. 24 Choke. PU 6 jts. RIH with tbg to tag frac plug #8-EOT at 10,220̂ at jt #325.  
w/10 bbl sweep. Returns: Trace of sand & plug parts. - 14:32 Thru plug #8 14:12 Tag Frac  
plug #8 EOT 10,220̂, 325 jts ̂ 4 bpm in -3.7 bpm out- Csg 1,300 psi ̂Tbg 3,700 Psi -Mill  
120 RPM -PU WT 43.4K-SO WT 33K ̂ 80 bbl to mill plug, 30 Bbl over -WOB 9K ̂ 20 min to  
drill Plug. 20 Choke. PU 5 jts. RIH with tbg to tag frac plug #7-EOT at 10,385̂ at jt #330.  
w/10 bbl sweep. Returns: Trace of sand & plug parts. 15:19 Thru plug #7 15:05 Tag Frac plug  
#7 EOT 10,385̂, 330 jts ̂ 4 bpm in -3.9 bpm out- Csg 1,350 psi ̂Tbg 3,700 Psi -Mill 120 RPM  
-PU WT 48K-SO WT 37K ̂ 56 bbl to mill plug, 30 Bbl over -WOB 9K ̂ 14 min to drill Plug. 20  
Choke. PU 7 jts. RIH with tbg to tag frac plug #6-EOT at 10,572̂ at jt #337. w/10 bbl sweep.  
Returns: Trace of sand & plug parts. - Tag Frac plug #5 EOT 10,755̂, 337 jts ̂ 4 bpm in -3.7  
bpm out- Csg 1,350 psi ̂Tbg 2,500 Psi -Mill 120 RPM -PU WT 48K-SO WT 37K ̂ 48 bbl to mill  
plug, 30 Bbl over -WOB 9K ̂ 14 min to drill Plug. 20 Choke. PU 18 jts. RIH with tbg to tag frac  
plug #2-EOT at 11,332̂ at jt #337. w/10 Bbl sweep. Returns: Trace of sand & plug  
parts. 21:30 Tag Frac plug #2 EOT 11,332̂, 337 jts ̂ 4 bpm in -3.7 bpm out- Csg 1,350 psi  
̂Tbg 2,500 Psi -Mill 120 RPM -PU WT 48K-SO WT 37K ̂ 48 bbl to mill plug, 30 Bbl over -WOB  
9K ̂ 16 min to drill Plug. 20 Choke. PU 6 jts. RIH with tbg to tag Float Collar-EOT at  
11,397' (Float Shoe 11,397') at jt #337. w/10 Bbl sweep. circulate two times bottoms up, 635  
bbls pumped, Trace of sand in samples, small amount of paraffin, Shut in well at 2,250 Psi,  
lay down swivel and prepare to POH with PH-6 tubing and lay out on racks, Returns: Trace of  
sand & plug parts.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,436,020

**9/13/2012 Day: 32****Completion**

Nabors #147 on 9/13/2012 - Drill out plugs, POH workstring, MIRU snubbing unit, snub out tbg, RDMO snubbing unit, Change pipe rams, MIRU Wireline for guage ring run. - Back off locking pins on tbg hanger. PU tbg, remove TWCV and hanger. LD 100 jts 2 3/8", 5.95#, P110, PH6 tbg. Used rig assist on last 47 jts. - While waiting for Knight oil tools tech, function test blind rams on BOP stack to 250 psi for 5 minutes, OK. Bleed off pressure then increase pressure to 5000 psi for 10 minutes, no leak off. - Close FMC 10K frac valve. Function tested blind rams on snubbing unit to 250 psi for 5 minutes, no leak off. Bleed pressure off, then increase pressure to 5000 psi for 10 minutes, no leak off. Function test pipe rams to 250 psi, no leak off. Bleed off pressure. Function test pipe rams to 5000 psi for 10 minutes, no leak off. Function test top pipe rams on snubbing unit to 250 for five minutes, no leak off. Bleed off pressure then increase pressure to 5000 psi for 10 minutes, no leak off. Function test annular preventer to 250 psi for 5 minutes, no leak off. Bleed off pressure then increase pressure to 5000 psi for 10 minutes, no leak off. - JSA and safety meeting. Finish laying down 268 jts 2 3/8" WS. Land tbg on tbg hanger with TWCV. ND annular preventer. JSA with crew on snubbing unit. NU snubbing unit. Function test blind rams on snubbing unit to 250 psi, leaked off. While working on snubbing unit, closed blind rams on BOP stack to test tbg hanger and TWCV. Found blinds leaking on BOP stack. Called Knight Oil Tools for new blind rams. Finished repairing blind rams on snubbing unit. - POH and lay dowing down 2 3/8" PH-6 work string, POH with 268 jts on racks, 100 jts and BHA in well at 3,192', Land PH-6 on hanger to MIRU Mt State's snubbing unit and test same, - 20:00 to 21:00 MIRU hot oiler and steam clean paraffin off BOP stack, snubbing unit and rig floor to remove fall hazard of N/D snubbing unit. RDMO hot oiler. - 21:00 to 00:00 RDMO Mt State's snubbing unit, Change out 2 3/8" pipe rams with 2 7/8" pipe rams, PUMU JW Wireline lubricator and test BOP stack and wireline lubricator 4,500, test good. - 19:00 to 20:00 Finish laying down 2 3/8" PH-6 work string from well, Load out PH-6 and return to vender, Lay out TTS's BHA, all tools recovered and pictures of mill taken. Shut in well, SICP 1,900 Psi.

**Daily Cost:** \$0**Cumulative Cost:** \$1,501,842**9/14/2012 Day: 33****Completion**

Nabors #1406 on 9/14/2012 - Test rams, RIH 2 7/8 prod string & Lifts, land tg, NU/Test well head, pump off disc, RDMO Noble WOR, Pure Energy flowback, weatherford pump, and release support equipment, turn well over to production, Production hand on location to monitor well. - PU 1 Jt, ran through BOP and screw into tubing hanger. Unsecured lock-in pin. Pulled out tubing hanger, LD same. (Bronco Oilfield Services Invoice #548551), (Select Rental Invoice #4580), (Hagman Trucking Invoice #4284), (Runners Invoice #00170) PU & RIH w/On/Off tool w/X-Profile Nipple, 2.313" ID, 5.50" OD x 1.54', 1 Jt 2-7/8" 6.5#, L80 8rd tubing (32.68') X-Nipple w/2.310" ID, 3.86" OD (1.13'), Lufkin (#1) IR-1/IC-1 815 PSI, 16/64" Port, 6900' MD & 6900 TVD (4.10'), 15 Jts 2-7/8" 6.5#, L80 8rd (482.35'), (#2) IR-1/IC-1 885 PSI, 16/64" Port, 6400' MD, 6400 TVD (4.10'), 15 Jts 2-7/8" 6.5#, L80 8rd (484.35'), (#3) IR-1/IC-1 905 PSI, 16/64" Port, 5900' MD & 5900 TVD (4.12'), 16 Jts 2-7/8" 6.5#, L80 8rd (511.27'), - Open manual frac valve. PU and ran through BOP stack w/7-1/16" tubing hanger w/2 way check valve and 1 Jt 2-7/8" tubing. Retest upper 2-7/8" pipe BOP rams to 5,000 psi for high. Tstd OK. Standby fr/08:21 to 10:00 a.m for FMC to arrive on location. FMC on location. Function and pressure test manual frac valve w/manual frac valve closed and blind rams closed to 5,000 psi, for 10 min. Tstd OK. BO pressure. Retest manual frac valve w/manual frac valve 1/2 open/closed, found a weep hole leaking on the bonnet. Pulled 1 jt out through BOP. Swapped out bonnet. Function and pressure test manual frac valve to 5,000 psi, for 10 min. Tstd OK. NPT: 4.21 hrs. (Weatherford Wellhead Invoice #4212) - Function and pressure test lower 2 7/8" pipe BOP rams between 200-300 psi for low w/10K 7-1/16" manual frac valve closed, for 5 min. Tstd OK. BO pressure. Function and pressure test 2-7/8" lower pipe BOP rams to 5,000 psi for high, for 10 min. Tstd OK. Function

and pressure test upper 2 7/8" pipe BOP rams between 200-300 psi w/10K 7-1/16" manual frac valve closed, for 5 min. Tstd OK. BO pressure. Function and pressure test upper 2-7/8" pipe BOP rams to 5,000 psi for high. Pressure slowly bleed down between 4,000 psi. BO Pressure. PU 7-1/16" tubing w/2 way check in place, 1 Jt 2-7/8", land tubing hanger in well head & secure lock-in pin. Retest upper 2-7/8" pipe BOP rams to 5,000 psi, found a leak on manual frac valve though a weep hole. Open manual frac valve. PU and ran though BOP stack w/7-1/16" tubing hanger w/2 way check valve and 1 Jt 2-7/8" tubing. Retest upper 2-7/8" pipe BOP rams to 5,000 psi for high. Tstd OK. - 04:00 to 06:00 PUMU Baker's 7" X 2 7/8" Hornet Packer, Equalize lubricator and test to 4,500 Psi, RIH to 6,929' and set packer. All indicators show packer set as planned, POH with setting tools and all tools recovered, SICP 2,000 Psi, Bled off well pressure and had small gas headers during bleed down, Well bled to 0 Psi, 30 min negative pressure test, 0 Psi on well, All setting tools recovered, RDMO JW wire line unit. Baker's Hornet pack and BHA ran as follows: L-10 On/Off tool 2.875 8rd EUE w/X-profile (6,924.71'), Top of packer 6,926.25', Center Element of packer Of 600-234 El 10K Reliant Hornet 2.875 EUE (6,929.00'), 4" pup jt (6,938.27'), 2 7/8" XN nipple (2.313 ID) (6,939.39'), 4" pup jt (6,43.49'), 2 7/8" 8rd EUE WLG w/shear plug (15,00#) at (6,944.33'). - 00:00 to 04:00 MIRU J W Wire line equalize and test lubricator 4,500 Psi, RIH with 6.00" OD Gauge ring and junk basket: total tool 20', rope socket 1'(1.45"OD) 2- weight bars 10'(2.69"OD & 3.125"OD), CCL 2' (3.125"OD), junk basket (3.5"OD) with 6.0" gauge ring to 6,990', (stopped just above liner top, 1 jt below packer setting depth) POH with gauge ring and recovered all tools, - (#4) IR-1/IC-1 925 PSI, 16/64" Port, 5400' MD, 5400' TVD (4.12'), 23 Jts 2-7/8" 6.5#, L80 8rd (743.63'), (#5) IR-1/IC-1 945 PSI, 16/64" Port, 4650' MD & 4650' TVD (4.12'), 34 Jts 2-7/8" 6.5#, L80 8rd (1097.18'), (#6) IR-1/IC-1 970 PSI, 16/64" Port, 3550' MD & 3550' TVD (4.12'), 47 Jts 2-7/8" 6.5#, L80 8rd (1544.26'), (#7) IR-1/IC-1 1010 PSI, 16/64" Port, 2000' MD & 2000' TVD (4.12"), 60 Jts 2-7/8" 6.5#, L80 8rd (1944.77'), Pup Jt 2-7/8" 6.5#, L80 8rd (10.20') & 1 Jt 2-7/8" 6.5#, L80 8rd (32.51'). Tag Pker w/215 jts. Latch onto pker, Pulled 15K over sting wt. Installed 7-1/16" TC1A Tubing Hanger w/TWCV. Land Tubing hanger w/12K compression on Pker & secure lock-in pin. ND BOP stack & manual frac valve. RD WOR & Support equipment. - NU Production Tree, Test well head seals 250 Psi low and 5,000 Psi high, test mater valve 250 Psi low and 5,000 Psi high, test wing valve 250 Psi low and 5,000 high, test, test crown valve 250 Psi low and 5,000 Psi high, All tests good and recorded and in well file. RU Weatherford's pump and pump tbq volume 40.2 bbls, Plus 10 bbls over volume, pumped total of 50 bbls water and pump off rupture disc, Disc pumped off at 3,900 Psi, (Tubing filled thru gas mandrels, caught pressure at 2.8 bpm at 1,200 psi, pressure fell off after disc gone), SITP 50 Psi, SICP 0 Psi. Turn well over to production, Production hand on location to monitor well.

**Daily Cost:** \$0

**Cumulative Cost:** \$1,629,072

**9/15/2012 Day: 34**

**Completion**

Rigless on 9/15/2012 - Update DCR - Release all rental equipment & Police location. Enter final costs in DCR - No Actively

**Daily Cost:** \$0

**Cumulative Cost:** \$1,641,019

**10/2/2012 Day: 35**

**Completion**

Rigless on 10/2/2012 - Enter final costs in DCR - ITL(9912480,\$2573)(921726,\$179)(9912518,\$13950)(9876427, \$1265) Western Water Srv(4tkts,\$1058.75) RNI(\$748.44)

**Daily Cost:** \$0

**Cumulative Cost:** \$1,747,191

**10/16/2012 Day: 36****Completion**

Rigless on 10/16/2012 - Capture Costs in DCR - Capture Costs in DCR

**Daily Cost:** \$0**Cumulative Cost:** \$1,798,904

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**11/11/2012 Day: 38****Completion**

Rigless on 11/11/2012 - Capture costs in DCR - Capture costs in DCR

**Daily Cost:** \$0**Cumulative Cost:** \$1,833,619

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**11/25/2012 Day: 39****Completion**

Rigless on 11/25/2012 - Capture final costs in DCR - Captured Repair Cost for FMC 12/9/12.

**Daily Cost:** \$0**Cumulative Cost:** \$1,853,722

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