

**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 1-23-4-1W				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE				
<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> 1420H626860			<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 type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Henderson Ranches LLC						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> RR 3 Box 3671 ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Ute Tribe			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		2270 FNL 465 FEL		SENE	23	4.0 S	1.0 W	U		
Top of Uppermost Producing Zone		670 FNL 650 FEL		NENE	23	4.0 S	1.0 W	U		
At Total Depth		670 FNL 650 FEL		NENE	23	4.0 S	1.0 W	U		
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 650			<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> 1757			<b>26. PROPOSED DEPTH</b> MD: 7438 TVD: 7200				
<b>27. ELEVATION - GROUND LEVEL</b> 5037			<b>28. BOND NUMBER</b> RLB0010462			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
Surf	12.25	8.625	0 - 500	24.0	J-55 ST&C	8.3	Class G	229	1.17	15.8
Prod	7.875	5.5	0 - 7438	15.5	J-55 LT&C	8.3	Premium Lite High Strength	379	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Mandie Crozier				<b>TITLE</b> Regulatory Tech			<b>PHONE</b> 435 646-4825			
<b>SIGNATURE</b>				<b>DATE</b> 03/06/2013			<b>EMAIL</b> mcrozier@newfield.com			
<b>API NUMBER ASSIGNED</b> 43047536780000				<b>APPROVAL</b>  Permit Manager						

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 1-23-4-1W  
AT SURFACE: SE/NE SECTION 23, T4S, R1W  
UINTAH COUNTY, UTAH**

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

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

Uinta	0' – 1995'	
Green River	1995'	
Wasatch	6860'	
<b>Proposed TD</b>	TVD (7200')	MD (7483')

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

Green River Formation (Oil)      1995' – 6860'

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

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

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

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

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

4. **PROPOSED CASING PROGRAM****a. Casing Design: Ute Tribal 1-23-4-1W**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	500'	24.0	J-55	STC	2,950 10.52	1,370 8.61	244,000 20.33
Prod casing 5-1/2"	0'	7483'	15.5	J-55	LTC	4,810 2.02	4,040 1.70	217,000 1.87

## Assumptions:

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

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

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

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

**b. Cementing Design: Ute Tribal 1-23-4-1W**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	500'	Class G w/ 2% CaCl	229	30%	15.8	1.17
			268			
Prod casing Lead	5,483'	Prem Lite II w/ 10% gel + 3% KCl	379	30%	11.0	3.26
			1235			
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

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

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

- Compressive strength of tail cement: 2500 psi @ 24 hours

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

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

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

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

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

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

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

From surface to  $\pm 500$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 500$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

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

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

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

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

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

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

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 500' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

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

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

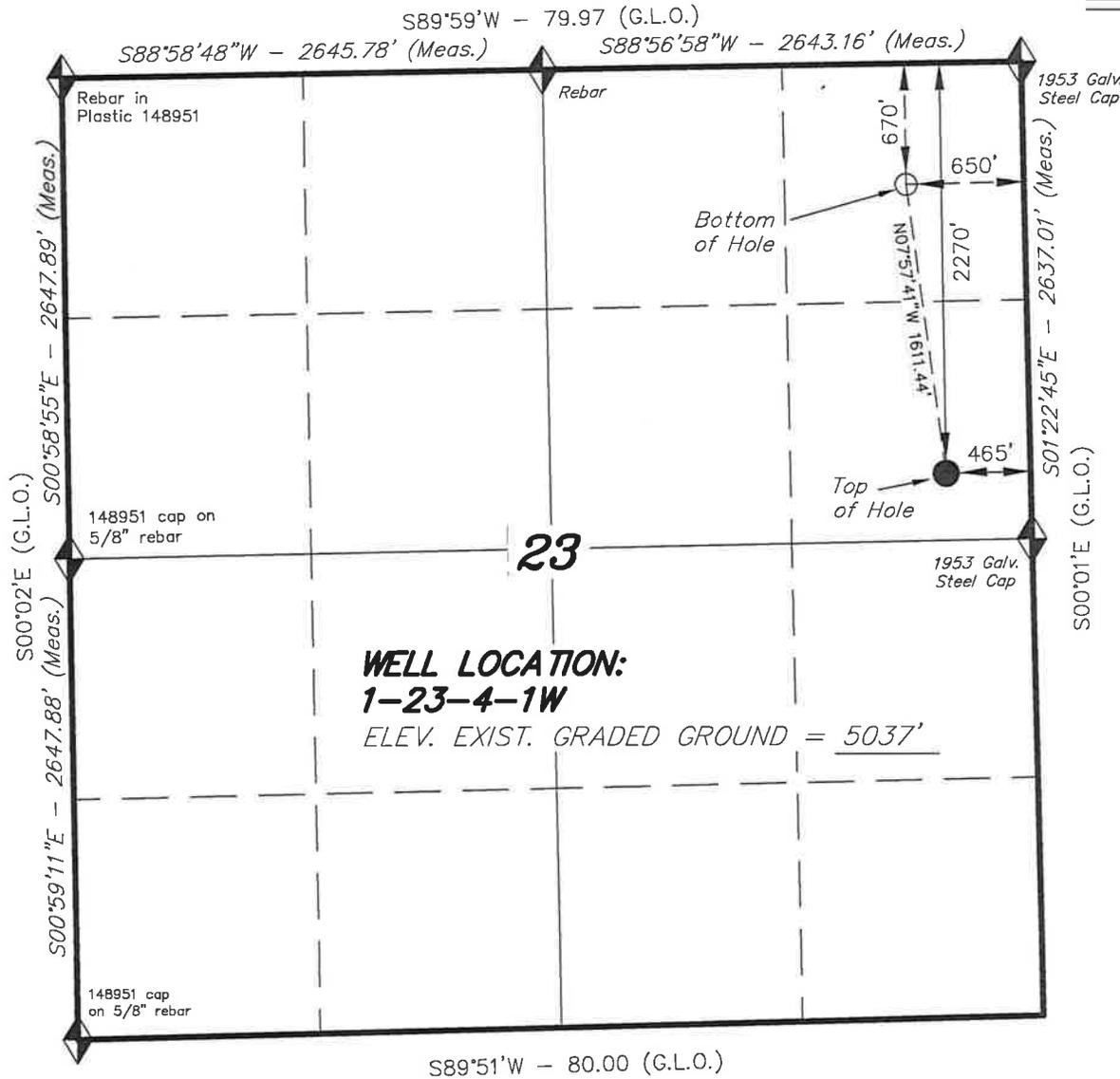
bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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

It is anticipated that the drilling operations will commence the third quarter of 2013, and take approximately seven (7) days from spud to rig release.

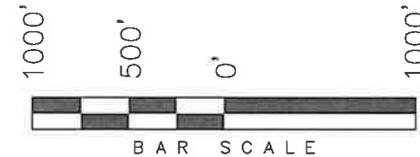
**T4S, R1W, U.S.B.&M.**

**NEWFIELD EXPLORATION COMPANY**



WELL LOCATION, 1-23-4-1W, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 23, T4S, R1W, U.S.B.&M. UINTAH COUNTY, UTAH.

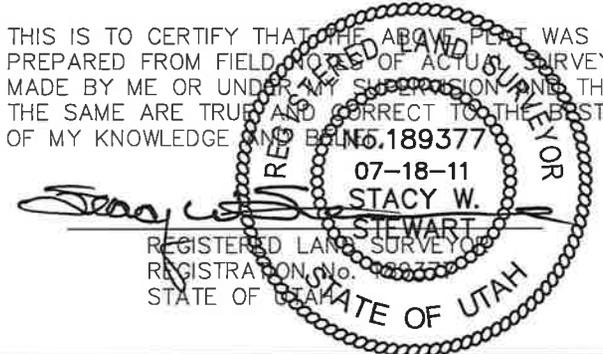
TARGET BOTTOM HOLE, 1-23-4-1W, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 23, T4S, R1W, U.S.B.&M. UINTAH COUNTY, UTAH.



**NOTES:**

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

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



**WELL LOCATION:  
1-23-4-1W**

ELEV. EXIST. GRADED GROUND = 5037'

◆ = SECTION CORNERS LOCATED

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

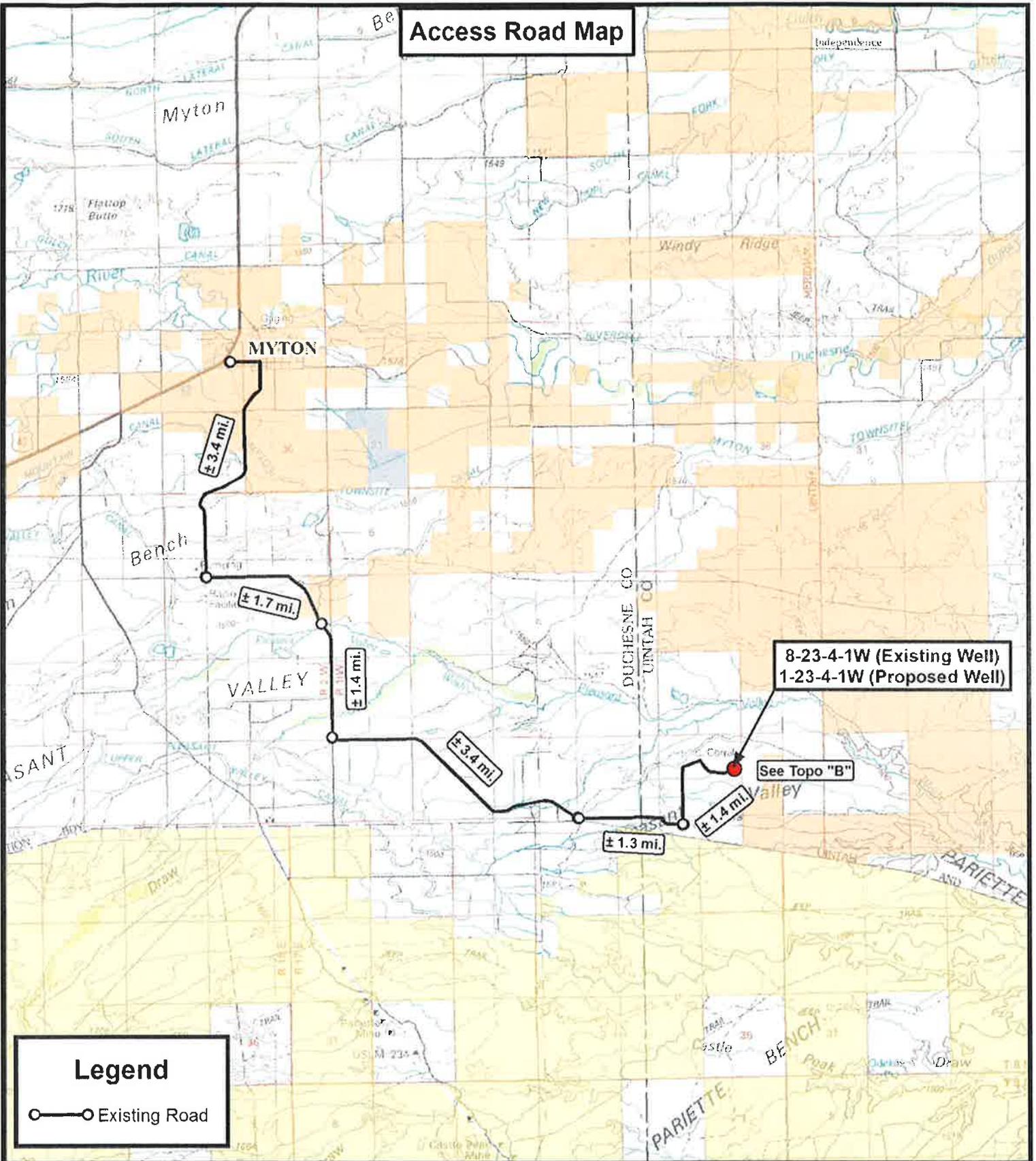
**1-23-4-1W**  
(Surface Location) NAD 83  
LATITUDE = 40° 07' 17.47"  
LONGITUDE = 109° 57' 20.86"

**TRI STATE LAND SURVEYING & CONSULTING**

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

DATE SURVEYED: 05-10-11	SURVEYED BY: C.M.	VERSION:
DATE DRAWN: 07-18-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

**Access Road Map**



**Legend**

○—○ 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**

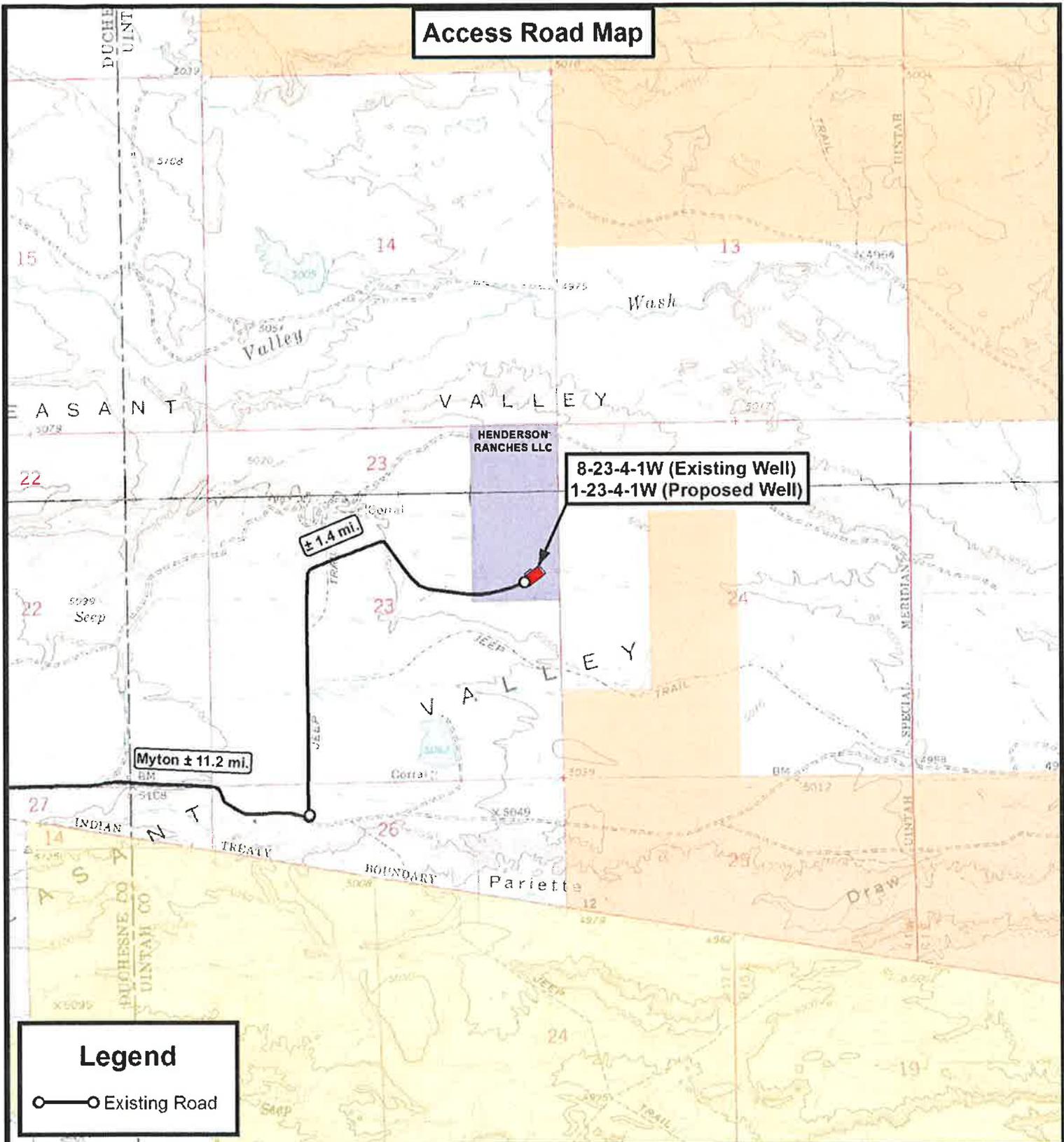
8-23-4-1W (Existing Well)  
 1-23-4-1W (Proposed Well)  
 SEC. 23, T4S, R1W, U.S.B.&M.  
 Uintah County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		V1
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Access Road Map**



**Legend**

○—○ Existing Road

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

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**NEWFIELD EXPLORATION COMPANY**

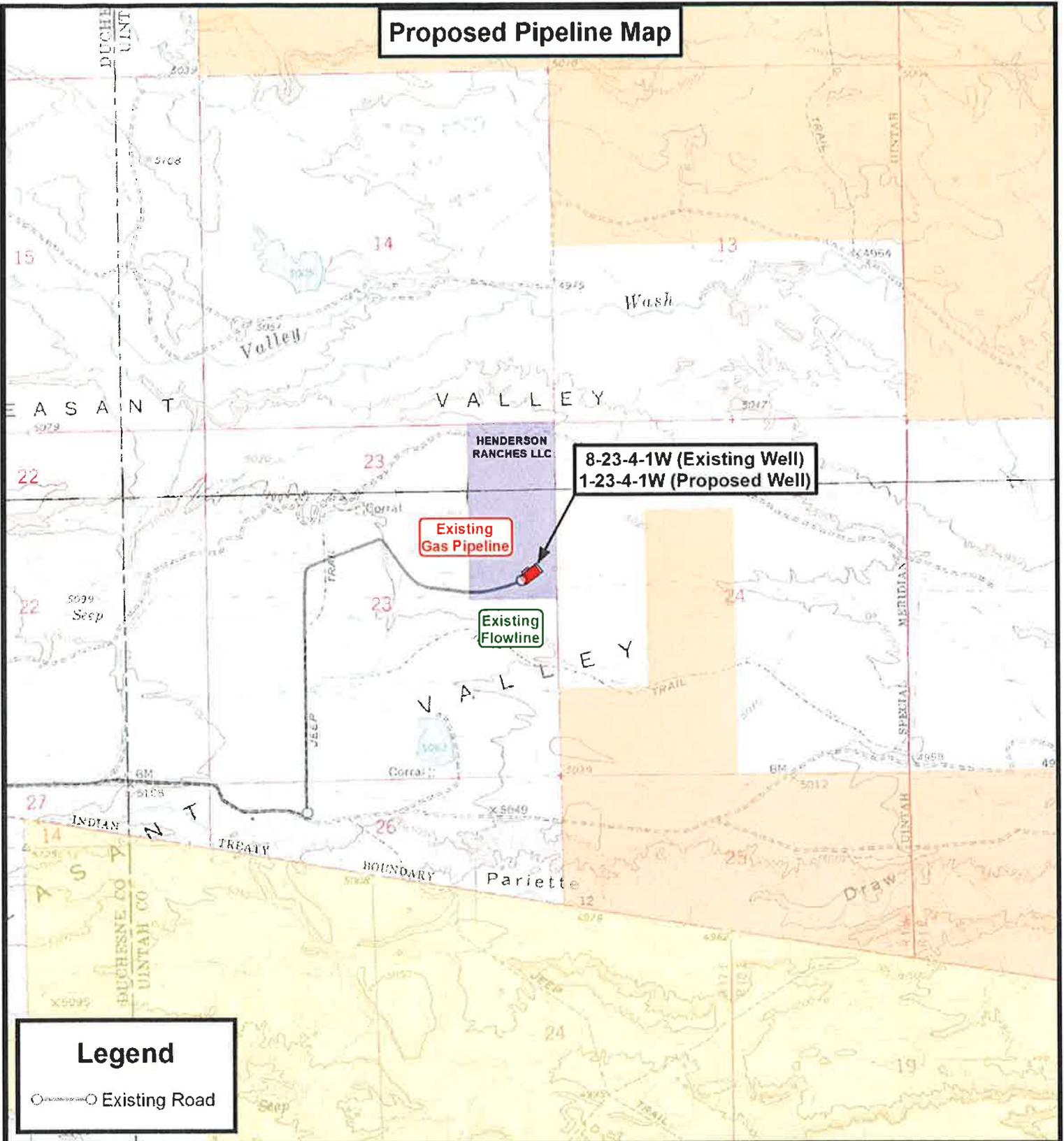
8-23-4-1W (Existing Well)  
1-23-4-1W (Proposed Well)  
SEC. 23, T4S, R1W, U.S.B.&M.  
Uintah County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Proposed Pipeline Map**



**Legend**

○ Existing Road

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**NEWFIELD EXPLORATION COMPANY**

8-23-4-1W (Existing Well)  
1-23-4-1W (Proposed Well)  
SEC. 23, T4S, R1W, U.S.B.&M.  
Uintah County, UT.

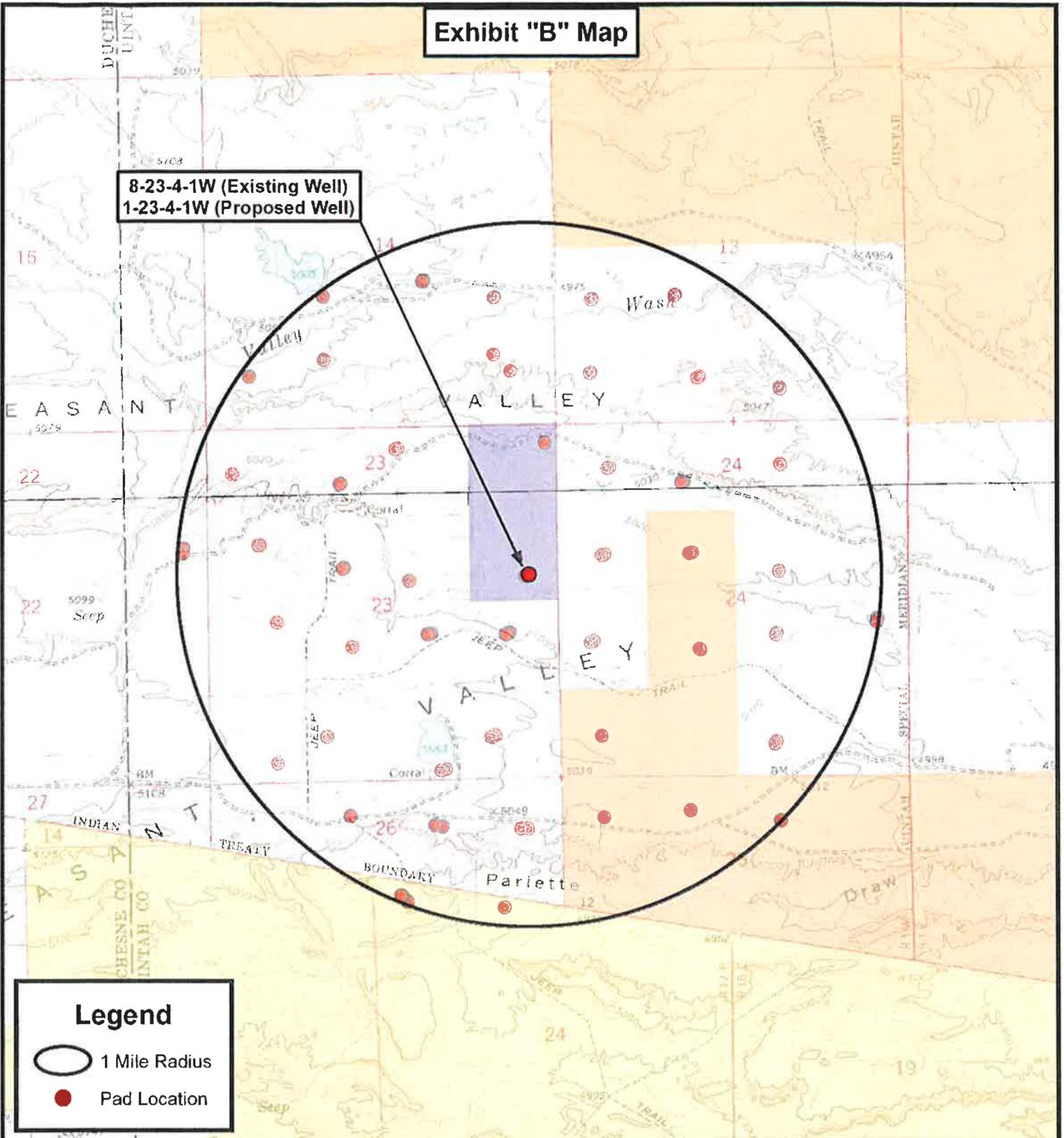
DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**

**Exhibit "B" Map**

**8-23-4-1W (Existing Well)**  
**1-23-4-1W (Proposed Well)**



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**NEWFIELD EXPLORATION COMPANY**

**8-23-4-1W (Existing Well)**  
**1-23-4-1W (Proposed Well)**  
 SEC. 23, T4S, R1W, U.S.B.&M.  
 Uintah County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		<b>V1</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 23 T4S, R1W  
1-23-4-1W**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**28 February, 2013**





**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 1-23-4-1W
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	1-23-4-1W @ 5049.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	1-23-4-1W @ 5049.0ft (Newfield Rig)
<b>Site:</b>	SECTION 23 T4S, R1W	<b>North Reference:</b>	True
<b>Well:</b>	1-23-4-1W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

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

<b>Site</b>	SECTION 23 T4S, R1W				
<b>Site Position:</b>		<b>Northing:</b>	7,216,500.00 ft	<b>Latitude:</b>	40° 7' 15.464 N
<b>From:</b>	Map	<b>Easting:</b>	2,071,500.00 ft	<b>Longitude:</b>	109° 57' 30.154 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	0.99 °

<b>Well</b>	1-23-4-1W, SHL LAT: 40 07 17.47 LONG: -109 57 20.86					
<b>Well Position</b>	<b>+N/-S</b>	202.9 ft	<b>Northing:</b>	7,216,715.36 ft	<b>Latitude:</b>	40° 7' 17.470 N
	<b>+E/-W</b>	721.9 ft	<b>Easting:</b>	2,072,218.31 ft	<b>Longitude:</b>	109° 57' 20.860 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,049.0 ft	<b>Ground Level:</b>	5,037.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	12/2/2010	11.35	65.89	52,384

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	352.04

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,585.9	14.79	352.04	1,574.9	125.3	-17.5	1.50	1.50	-0.81	352.04	
7,403.6	14.79	352.04	7,200.0	1,595.9	-223.2	0.00	0.00	0.00	0.00	1-23-4-1W TGT



**Payzone Directional**  
Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 1-23-4-1W
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	1-23-4-1W @ 5049.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	1-23-4-1W @ 5049.0ft (Newfield Rig)
<b>Site:</b>	SECTION 23 T4S, R1W	<b>North Reference:</b>	True
<b>Well:</b>	1-23-4-1W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	352.04	700.0	1.3	-0.2	1.3	1.50	1.50	0.00
800.0	3.00	352.04	799.9	5.2	-0.7	5.2	1.50	1.50	0.00
900.0	4.50	352.04	899.7	11.7	-1.6	11.8	1.50	1.50	0.00
1,000.0	6.00	352.04	999.3	20.7	-2.9	20.9	1.50	1.50	0.00
1,100.0	7.50	352.04	1,098.6	32.4	-4.5	32.7	1.50	1.50	0.00
1,200.0	9.00	352.04	1,197.5	46.6	-6.5	47.0	1.50	1.50	0.00
1,300.0	10.50	352.04	1,296.1	63.3	-8.9	64.0	1.50	1.50	0.00
1,400.0	12.00	352.04	1,394.2	82.7	-11.6	83.5	1.50	1.50	0.00
1,500.0	13.50	352.04	1,491.7	104.5	-14.6	105.5	1.50	1.50	0.00
1,600.0	15.00	352.04	1,588.6	128.9	-18.0	130.2	1.50	1.50	0.00
1,700.0	16.50	352.04	1,684.9	155.8	-21.8	157.3	1.50	1.50	0.00
1,766.4	17.50	352.04	1,748.3	175.0	-24.5	176.7	1.50	1.50	0.00
1,800.0	17.50	352.04	1,780.4	185.0	-25.9	186.8	0.00	0.00	0.00
1,900.0	17.50	352.04	1,875.8	214.8	-30.0	216.9	0.00	0.00	0.00
2,000.0	17.50	352.04	1,971.2	244.6	-34.2	246.9	0.00	0.00	0.00
2,100.0	17.50	352.04	2,066.5	274.3	-38.4	277.0	0.00	0.00	0.00
2,200.0	17.50	352.04	2,161.9	304.1	-42.5	307.1	0.00	0.00	0.00
2,300.0	17.50	352.04	2,257.3	333.9	-46.7	337.1	0.00	0.00	0.00
2,400.0	17.50	352.04	2,352.6	363.6	-50.8	367.2	0.00	0.00	0.00
2,500.0	17.50	352.04	2,448.0	393.4	-55.0	397.3	0.00	0.00	0.00
2,600.0	17.50	352.04	2,543.4	423.2	-59.2	427.3	0.00	0.00	0.00
2,700.0	17.50	352.04	2,638.8	453.0	-63.3	457.4	0.00	0.00	0.00
2,800.0	17.50	352.04	2,734.1	482.7	-67.5	487.4	0.00	0.00	0.00
2,900.0	17.50	352.04	2,829.5	512.5	-71.7	517.5	0.00	0.00	0.00
3,000.0	17.50	352.04	2,924.9	542.3	-75.8	547.6	0.00	0.00	0.00
3,100.0	17.50	352.04	3,020.3	572.1	-80.0	577.6	0.00	0.00	0.00
3,200.0	17.50	352.04	3,115.6	601.8	-84.2	607.7	0.00	0.00	0.00
3,300.0	17.50	352.04	3,211.0	631.6	-88.3	637.8	0.00	0.00	0.00
3,400.0	17.50	352.04	3,306.4	661.4	-92.5	667.8	0.00	0.00	0.00
3,500.0	17.50	352.04	3,401.8	691.2	-96.6	697.9	0.00	0.00	0.00
3,600.0	17.50	352.04	3,497.1	720.9	-100.8	727.9	0.00	0.00	0.00
3,700.0	17.50	352.04	3,592.5	750.7	-105.0	758.0	0.00	0.00	0.00
3,800.0	17.50	352.04	3,687.9	780.5	-109.1	788.1	0.00	0.00	0.00
3,900.0	17.50	352.04	3,783.3	810.3	-113.3	818.1	0.00	0.00	0.00
4,000.0	17.50	352.04	3,878.6	840.0	-117.5	848.2	0.00	0.00	0.00
4,100.0	17.50	352.04	3,974.0	869.8	-121.6	878.3	0.00	0.00	0.00
4,200.0	17.50	352.04	4,069.4	899.6	-125.8	908.3	0.00	0.00	0.00
4,300.0	17.50	352.04	4,164.8	929.3	-129.9	938.4	0.00	0.00	0.00
4,400.0	17.50	352.04	4,260.1	959.1	-134.1	968.5	0.00	0.00	0.00
4,500.0	17.50	352.04	4,355.5	988.9	-138.3	998.5	0.00	0.00	0.00
4,600.0	17.50	352.04	4,450.9	1,018.7	-142.4	1,028.6	0.00	0.00	0.00
4,700.0	17.50	352.04	4,546.3	1,048.4	-146.6	1,058.6	0.00	0.00	0.00
4,800.0	17.50	352.04	4,641.6	1,078.2	-150.8	1,088.7	0.00	0.00	0.00
4,900.0	17.50	352.04	4,737.0	1,108.0	-154.9	1,118.8	0.00	0.00	0.00
5,000.0	17.50	352.04	4,832.4	1,137.8	-159.1	1,148.8	0.00	0.00	0.00
5,100.0	17.50	352.04	4,927.7	1,167.5	-163.3	1,178.9	0.00	0.00	0.00
5,200.0	17.50	352.04	5,023.1	1,197.3	-167.4	1,209.0	0.00	0.00	0.00



## Payzone Directional

## Planning Report

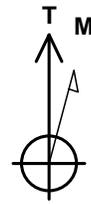


<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 1-23-4-1W
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	1-23-4-1W @ 5049.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	1-23-4-1W @ 5049.0ft (Newfield Rig)
<b>Site:</b>	SECTION 23 T4S, R1W	<b>North Reference:</b>	True
<b>Well:</b>	1-23-4-1W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	17.50	352.04	5,118.5	1,227.1	-171.6	1,239.0	0.00	0.00	0.00
5,400.0	17.50	352.04	5,213.9	1,256.9	-175.7	1,269.1	0.00	0.00	0.00
5,500.0	17.50	352.04	5,309.2	1,286.6	-179.9	1,299.1	0.00	0.00	0.00
5,600.0	17.50	352.04	5,404.6	1,316.4	-184.1	1,329.2	0.00	0.00	0.00
5,700.0	17.50	352.04	5,500.0	1,346.2	-188.2	1,359.3	0.00	0.00	0.00
5,800.0	17.50	352.04	5,595.4	1,375.9	-192.4	1,389.3	0.00	0.00	0.00
5,900.0	17.50	352.04	5,690.7	1,405.7	-196.6	1,419.4	0.00	0.00	0.00
6,000.0	17.50	352.04	5,786.1	1,435.5	-200.7	1,449.5	0.00	0.00	0.00
6,100.0	17.50	352.04	5,881.5	1,465.3	-204.9	1,479.5	0.00	0.00	0.00
6,200.0	17.50	352.04	5,976.9	1,495.0	-209.0	1,509.6	0.00	0.00	0.00
6,300.0	17.50	352.04	6,072.2	1,524.8	-213.2	1,539.6	0.00	0.00	0.00
6,400.0	17.50	352.04	6,167.6	1,554.6	-217.4	1,569.7	0.00	0.00	0.00
6,500.0	17.50	352.04	6,263.0	1,584.4	-221.5	1,599.8	0.00	0.00	0.00
6,538.8	17.50	352.04	6,300.0	1,595.9	-223.2	1,611.4	0.00	0.00	0.00
6,600.0	17.50	352.04	6,358.4	1,614.1	-225.7	1,629.8	0.00	0.00	0.00
6,700.0	17.50	352.04	6,453.7	1,643.9	-229.9	1,659.9	0.00	0.00	0.00
6,800.0	17.50	352.04	6,549.1	1,673.7	-234.0	1,690.0	0.00	0.00	0.00
6,900.0	17.50	352.04	6,644.5	1,703.5	-238.2	1,720.0	0.00	0.00	0.00
7,000.0	17.50	352.04	6,739.9	1,733.2	-242.4	1,750.1	0.00	0.00	0.00
7,100.0	17.50	352.04	6,835.2	1,763.0	-246.5	1,780.2	0.00	0.00	0.00
7,200.0	17.50	352.04	6,930.6	1,792.8	-250.7	1,810.2	0.00	0.00	0.00
7,300.0	17.50	352.04	7,026.0	1,822.5	-254.8	1,840.3	0.00	0.00	0.00
7,400.0	17.50	352.04	7,121.3	1,852.3	-259.0	1,870.3	0.00	0.00	0.00
7,482.5	17.50	352.04	7,200.0	1,876.9	-262.4	1,895.1	0.00	0.00	0.00

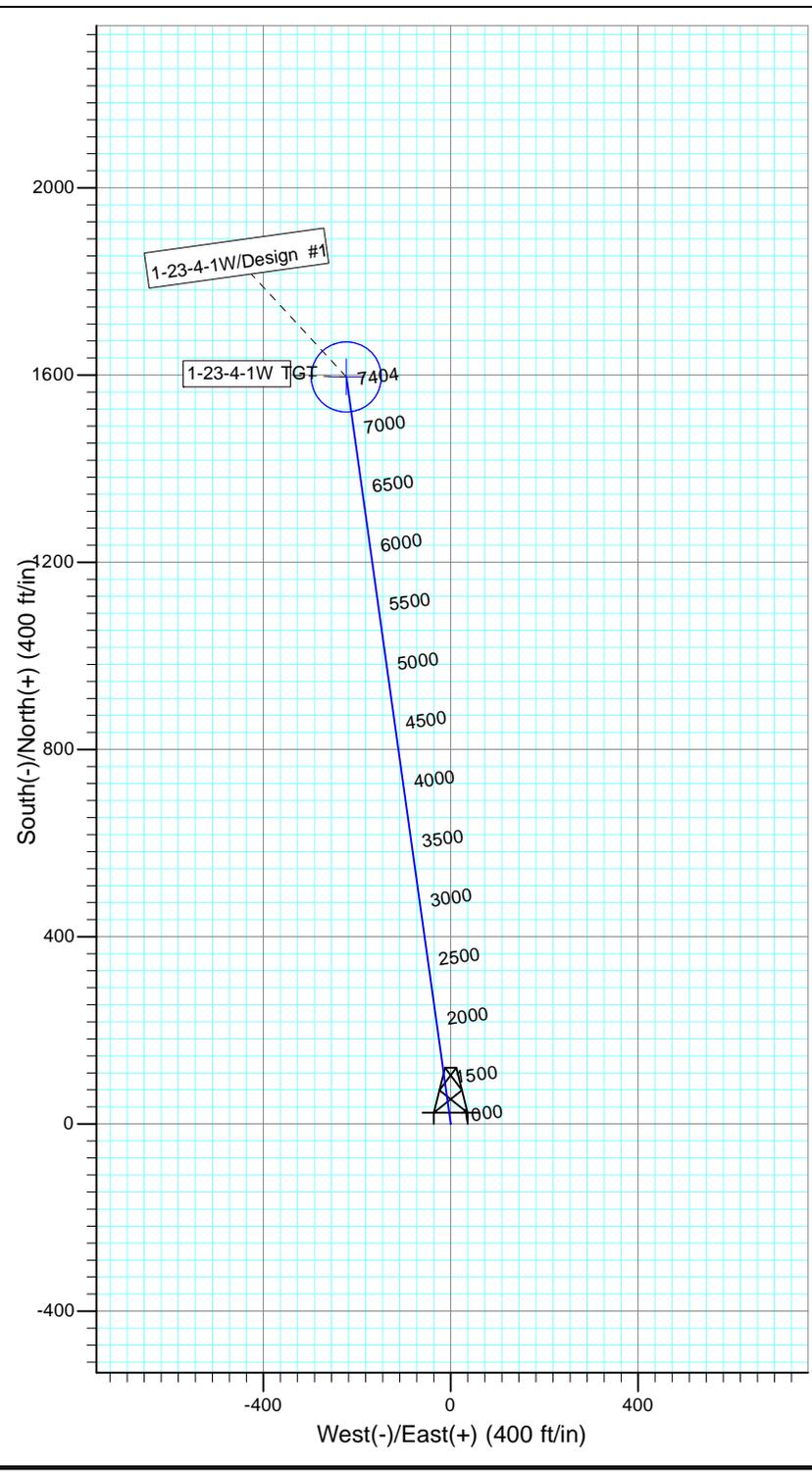
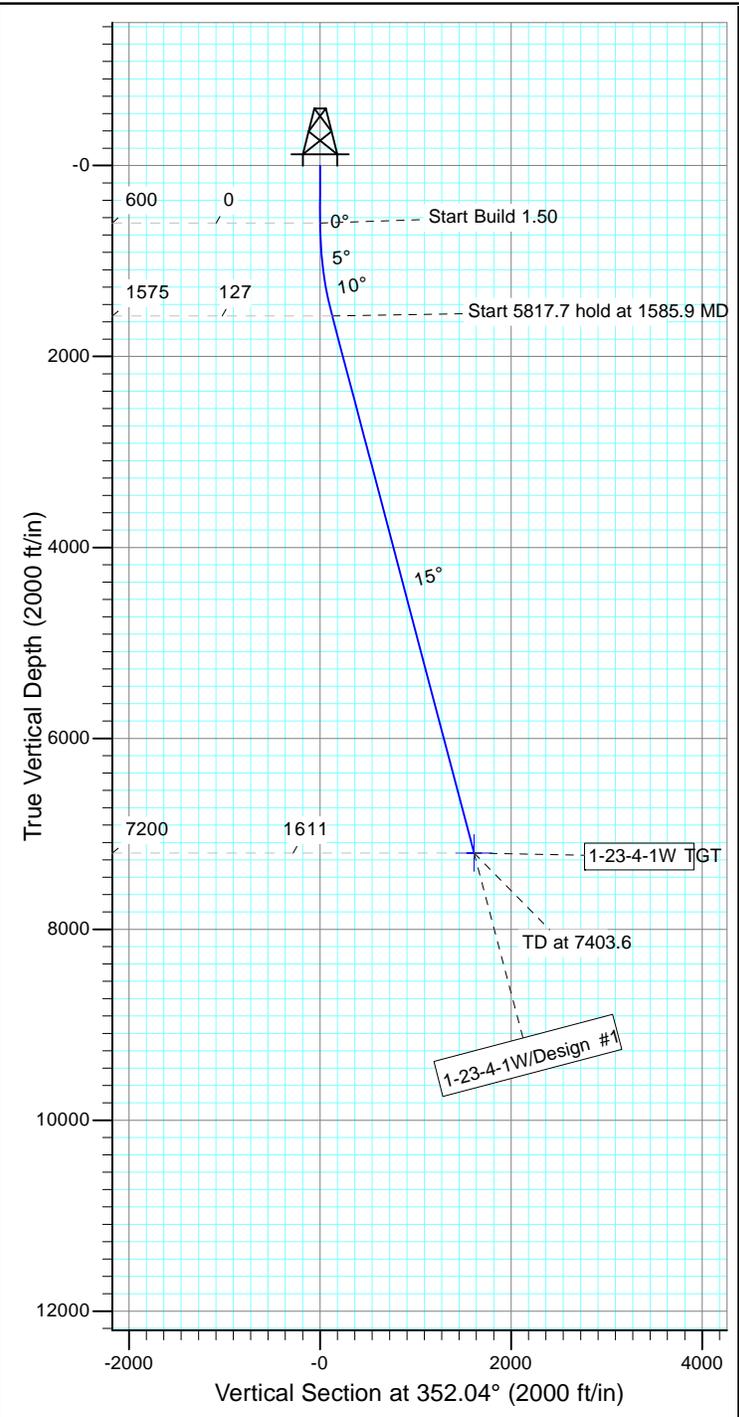


Project: USGS Myton SW (UT)  
 Site: SECTION 23 T4S, R1W  
 Well: 1-23-4-1W  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.35°

Magnetic Field  
 Strength: 52383.8snT  
 Dip Angle: 65.89°  
 Date: 12/2/2010  
 Model: IGRF2010



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
1-23-4-1W TGT	7200.0	1595.9	-223.2	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1585.9	14.79	352.04	1574.9	125.3	-17.5	1.50	352.04	126.5	
4	7403.6	14.79	352.04	7200.0	1595.9	-223.2	0.00	0.00	1611.4	1-23-4-1W TGT



'APIWellNo:43047509810000'

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

This Easement and Surface Use Agreement ("Agreement") is entered into this 22nd day of February 2010 by and between, **Henderson Ranches, LLC, Wayne and Moreen Henderson, Lance and Julie Henderson, Tommy Henderson, and Billie Henderson**, whose address is R.R. 3, Box 3671, Myton, Utah 84052 ("Surface Owner," whether one or more), and NEWFIELD PRODUCTION COMPANY, a Texas corporation ("NEWFIELD"), with offices at 1001 Seventeenth Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Uintah County, Utah described as follows:

Township 4 South, Range 1 West

Section 23: SENE

(8-23-4-1, approx. 1.5 acres plus approx. 980ft of road and pipeline)

Uintah County, Utah

(limited to proposed roads, pipelines, & well pad only, as shown in attached plats)

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

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right-of Way and Surface Use by and between Surface Owner and NEWFIELD, dated February 22nd, 2010, as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

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

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

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

**NEWFIELD PRODUCTION COMPANY**

By: \_\_\_\_\_  
Daniel W. Shewmake, Vice President-Development

**SURFACE OWNER**

By: Wayne Henderson  
Wayne Henderson, Henderson Ranches, L.L.C.

By: Wayne Henderson  
Wayne Henderson

By: Lance Henderson  
Lance Henderson

By: Tommy Henderson  
Tommy Henderson

By: Morcen Henderson  
Morcen Henderson

By: Julie Henderson  
Julie Henderson

By: Billie Henderson  
Billie Henderson

'APIWellNo:43047509810000'

STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 22<sup>nd</sup> day of February, 2010 by **Wayne Henderson and Moreen Henderson**

Witness my hand and official seal.

My commission expires 9/8/2013

[Signature]  
Notary Public  


STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 22<sup>nd</sup> day of February, 2010 by **Lance Henderson and Julie Henderson**

Witness my hand and official seal.

My commission expires 9/8/2013

[Signature]  
Notary Public  


STATE OF UTAH )  
 )ss  
COUNTY OF Duchesne )

This instrument was acknowledged before me this 22<sup>nd</sup> day of February, 2010 by **Tommy Henderson and Billie Henderson**

Witness my hand and official seal.

My commission expires 9/8/2013

[Signature]  
Notary Public  


STATE OF COLORADO )  
 )ss  
COUNTY OF Denver )

This instrument was acknowledged before me this \_\_\_\_\_, 2010 by **Daniel W. Shewmake-Development, as Vice President of Newfield Production Company, a Texas corporation, on behalf of the corporation.**

Witness my hand and official seal.

\_\_\_\_\_  
Notary Public

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

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 1-23-4-1W  
AT SURFACE: SE/NE SECTION 23, T4S, R1W  
UINTAH COUNTY, UTAH**

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

The proposed well will be drilled directionally off of the existing 8-23-4-1W well pad.

**1. EXISTING ROADS**

- a) To reach Newfield Production Company well location site Ute Tribal 1-23-4-1W, proceed in a southerly direction out of Myton, approximately 3.4 miles to it's junction with an existing road to the east; proceed in a southeasterly direction approximately 3.1 miles to it's junction with an existing road to the east; proceed in a southeasterly direction approximately 4.7 miles to it's junction with an existing road to the north; proceed northeasterly direction approximately 1.4 miles to the existing 8-23-4-1W well location.
- b) The proposed location is approximately 12.6 miles southeast of Myton, Utah
- c) Existing native surface roads in the area range from clays to a sandy-clay shale material.
- d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

**2. PLANNED ACCESS ROAD**

- a) There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 8-23-4-1W well pad. See attached Topographic Map "B".
- b) There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.
- c) 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**

- a) Refer to Topographic Map "D".

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

- a) There are no existing facilities that will be utilized.
- b) It is anticipated that this well will be a producing oil well with some associated natural gas.
- c) 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.
- d) Tank batteries will be built to Federal Gold Book specifications.

- e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

There is not new pipeline infrastructure proposed for this location. See attached Topographic Map "C".

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

- a) Newfield Production will transport water by truck from nearest water source. The available water sources are as follows:
  - Johnson Water District (Water Right : 43-7478)
  - Maurice Harvey Pond (Water Right: 47-1358)
  - Neil Moon Pond (Water Right: 43-11787)
  - Newfield Collector Well (Water Right: 47-1817 - A30414DVA, contracted with the Duchesne County Conservancy District).

6. **SOURCE OF CONSTRUCTION MATERIALS**

- a) Construction material for this access road will be borrowed material accumulated during construction of the access road. If any additional borrow or gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

- a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The 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.
- b) The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.
- c) A portable toilet will be provided for human waste.
- d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.
- e) 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.

- f) 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.

Newfield Production Company guarantees that during the drilling and completion of the referenced well, 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 referenced well, 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.

8. **ANCILLARY FACILITIES**

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

9. **WELL SITE LAYOUT**

- a) See attached Location Layout Sheet.

**Fencing Requirements**

- a) All pits will be fenced or have panels installed consistent with the following minimum standards:
  - 1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
  - 2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times
  - 3. 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.
- b) The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

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

- a) Producing Location
  - 1. 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.
  - 2. 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

1. 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**

- a) Henderson Ranches LLC.

**12. OTHER ADDITIONAL INFORMATION**

- a) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- b) A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

**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

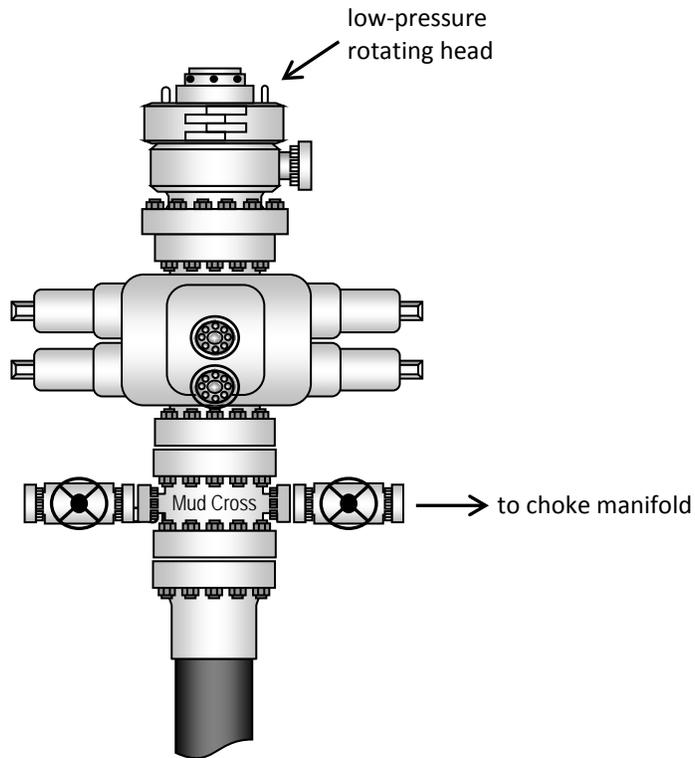
Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-23-4-1W, Section 23, Township 4S, Range 1W: Lease 14-20-H62-6252 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Nationwide 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.

\_\_\_\_\_  
3/6/13  
Date

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

### Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

8-23-4-1W (Existing Well)

1-23-4-1W (Proposed Well)

Pad Location: SENE Section 23, T4S, R1W, U.S.B.&M.

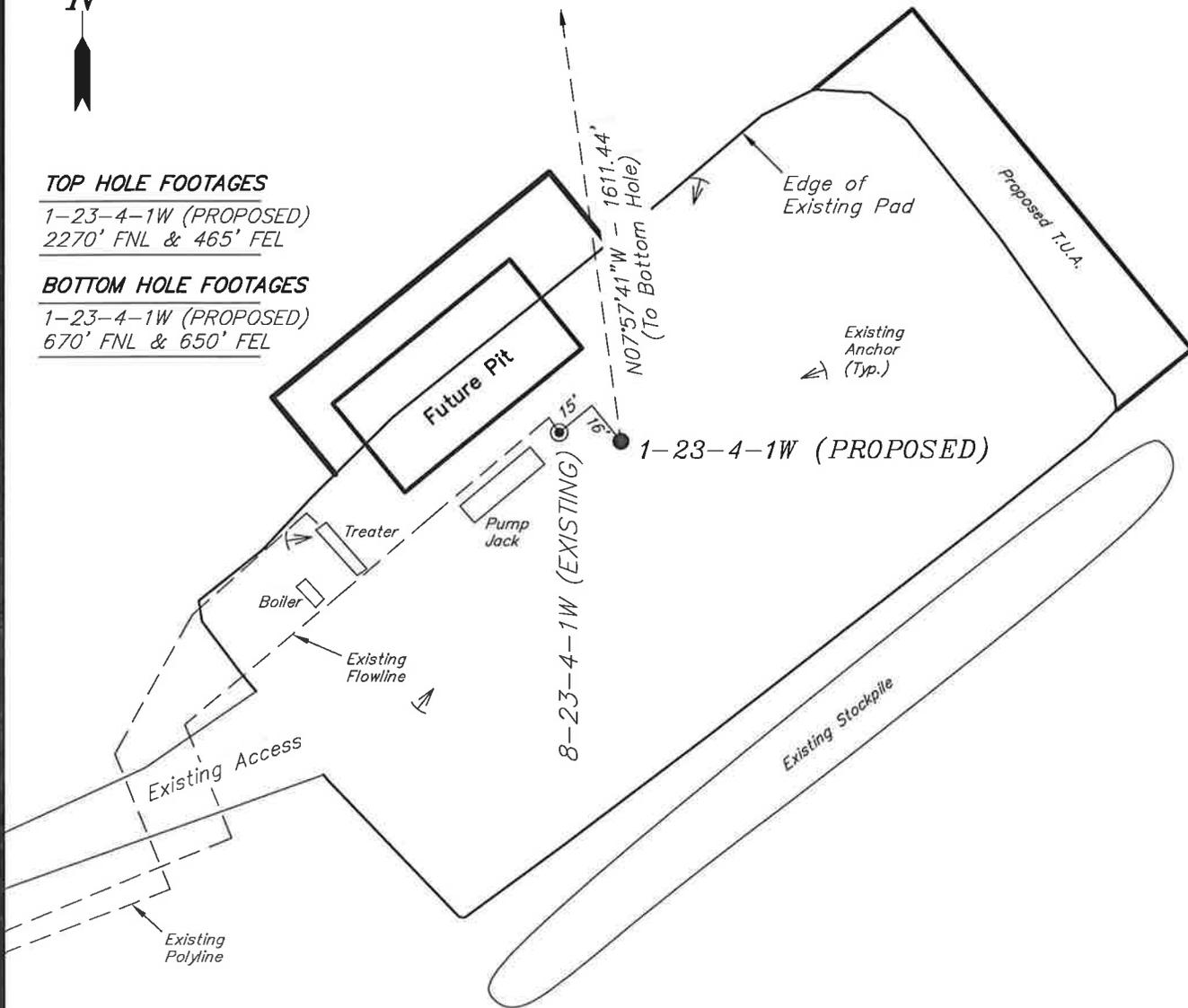


**TOP HOLE FOOTAGES**

1-23-4-1W (PROPOSED)  
2270' FNL & 465' FEL

**BOTTOM HOLE FOOTAGES**

1-23-4-1W (PROPOSED)  
670' FNL & 650' FEL



**Note:**

Bearings are based on GPS Observations.

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

WELL	NORTH	EAST
1-23-4-1W	1,596'	-223'

**LATITUDE & LONGITUDE**  
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
8-23-4-1W	40° 07' 17.50"	109° 57' 21.13"
1-23-4-1W	40° 07' 17.47"	109° 57' 20.86"

SURVEYED BY: C.M.	DATE SURVEYED: 05-10-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-18-11	V1
SCALE: 1" = 60'	REVISED:	

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

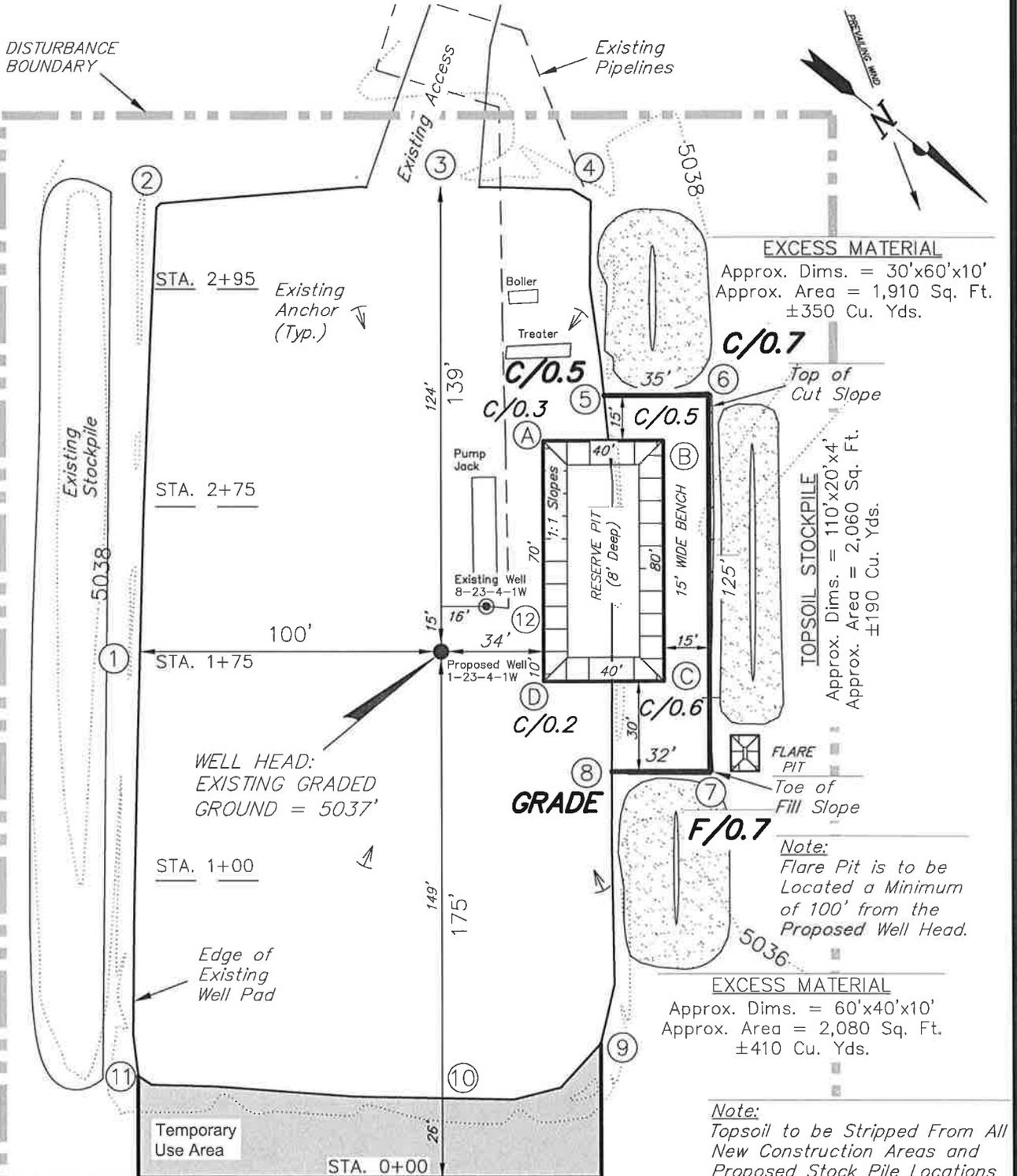
# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

8-23-4-1W (Existing Well)

1-23-4-1W (Proposed Well)

Pad Location: SENE Section 23, T4S, R1W, U.S.B.&M.



**EXCESS MATERIAL**  
 Approx. Dims. = 30'x60'x10'  
 Approx. Area = 1,910 Sq. Ft.  
 ±350 Cu. Yds.

Top of Cut Slope

**TOPSOIL STOCKPILE**  
 Approx. Dims. = 110'x20'x4'  
 Approx. Area = 2,060 Sq. Ft.  
 ±190 Cu. Yds.

**FLARE PIT**  
 Note:  
 Flare Pit is to be Located a Minimum of 100' from the Proposed Well Head.

**EXCESS MATERIAL**  
 Approx. Dims. = 60'x40'x10'  
 Approx. Area = 2,080 Sq. Ft.  
 ±410 Cu. Yds.

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

Note:  
 Proposed Temporary Use Area, No Earthwork Adjustments required (0.10 Acres)

**NOTE:**  
 The topsoil & excess material areas are calculated as being mounds containing 950 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: C.M.	DATE SURVEYED: 05-10-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-18-11	V1
SCALE: 1" = 50'	REVISED:	

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

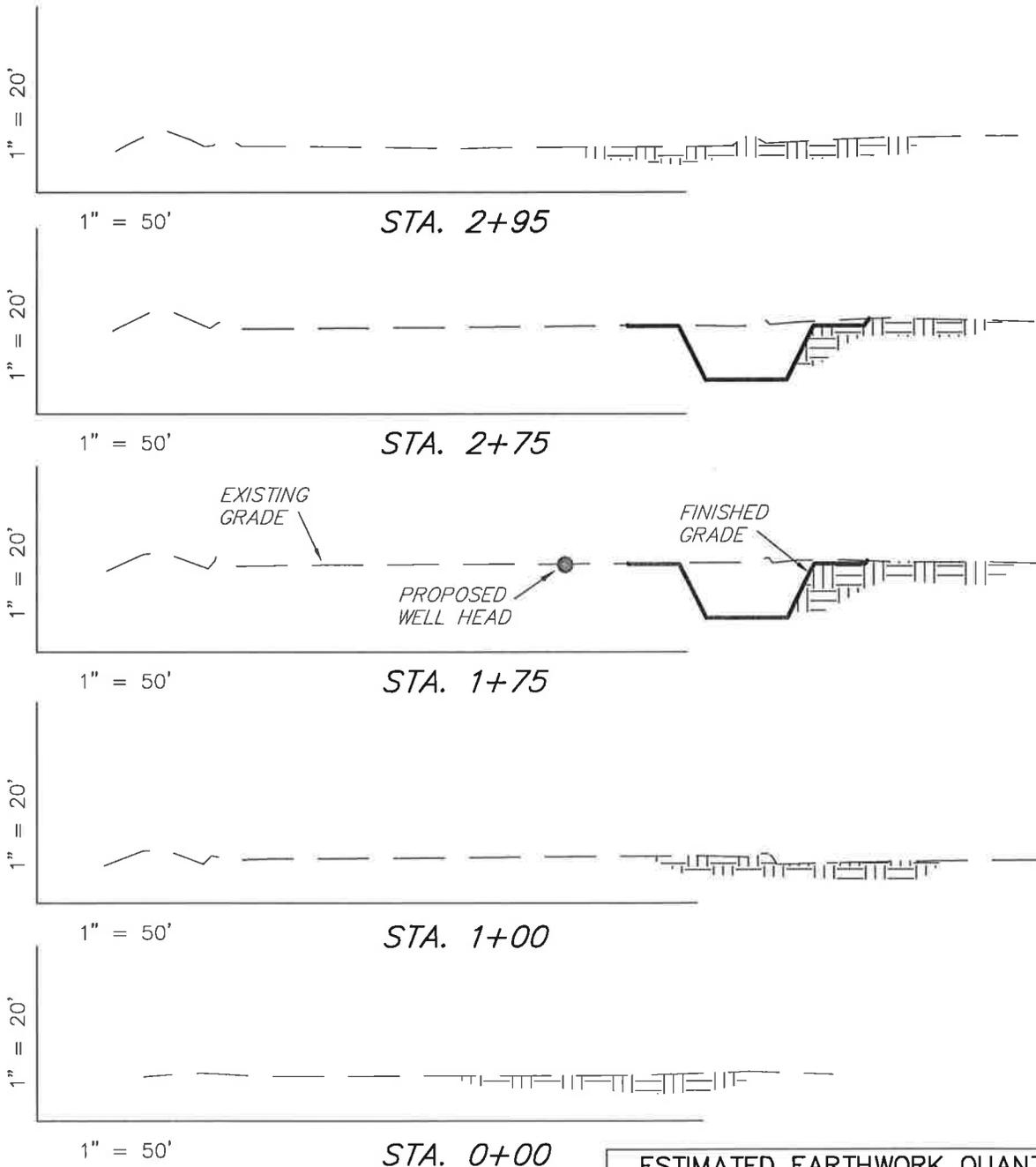
# NEWFIELD EXPLORATION COMPANY

## CROSS SECTIONS

**8-23-4-1W (Existing Well)**

**1-23-4-1W (Proposed Well)**

Pad Location: SENE Section 23, 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	10	10	Topsoil is not included in Pad Cut	0
PIT	690	0		690
<b>TOTALS</b>	<b>700</b>	<b>10</b>	<b>180</b>	<b>690</b>

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

SURVEYED BY: C.M.	DATE SURVEYED: 05-10-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 07-18-11	V1
SCALE: 1" = 50'	REVISED:	

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

(435) 781-2501

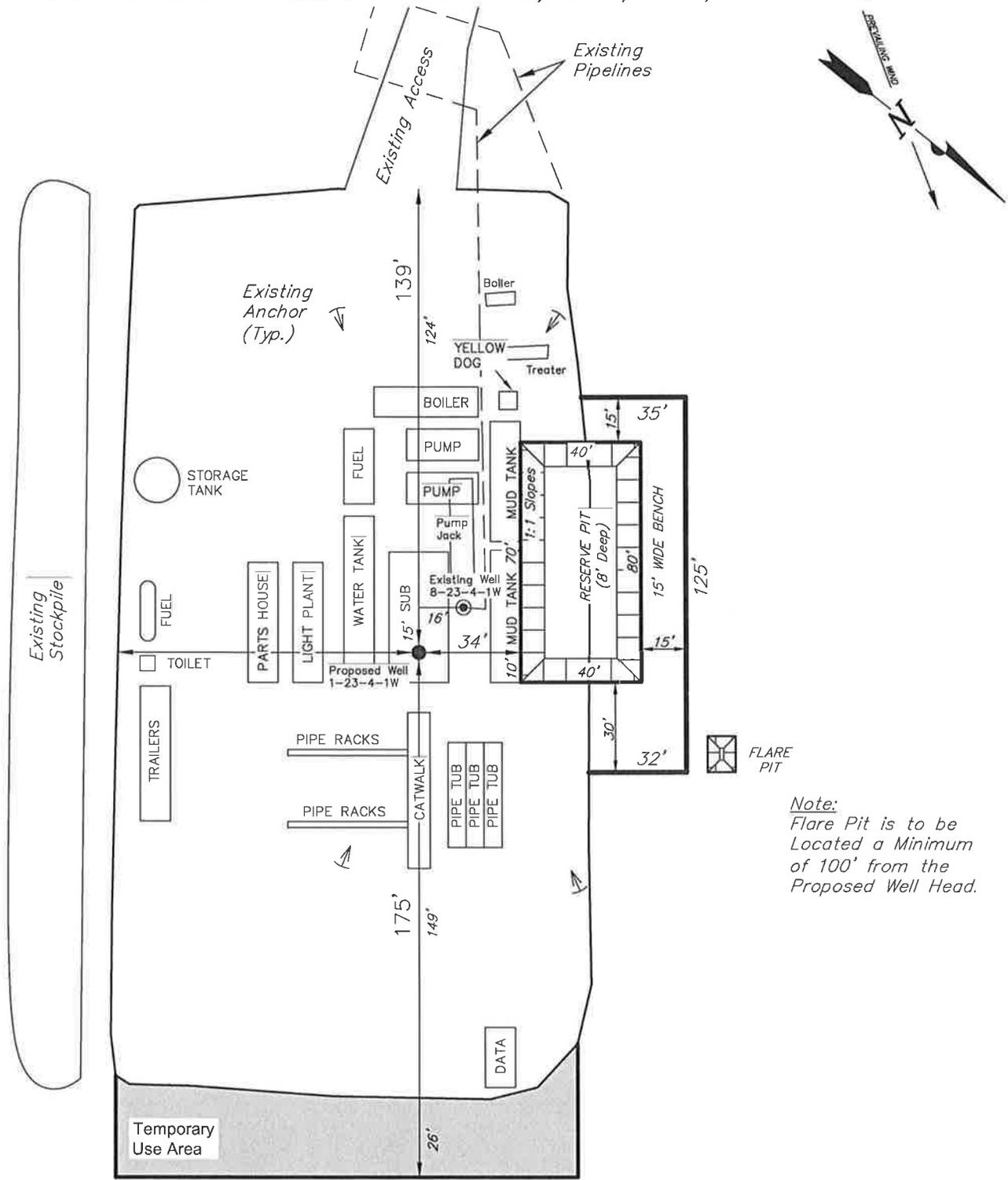
# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

8-23-4-1W (Existing Well)

1-23-4-1W (Proposed Well)

Pad Location: SENE Section 23, T4S, R1W, U.S.B.&M.



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

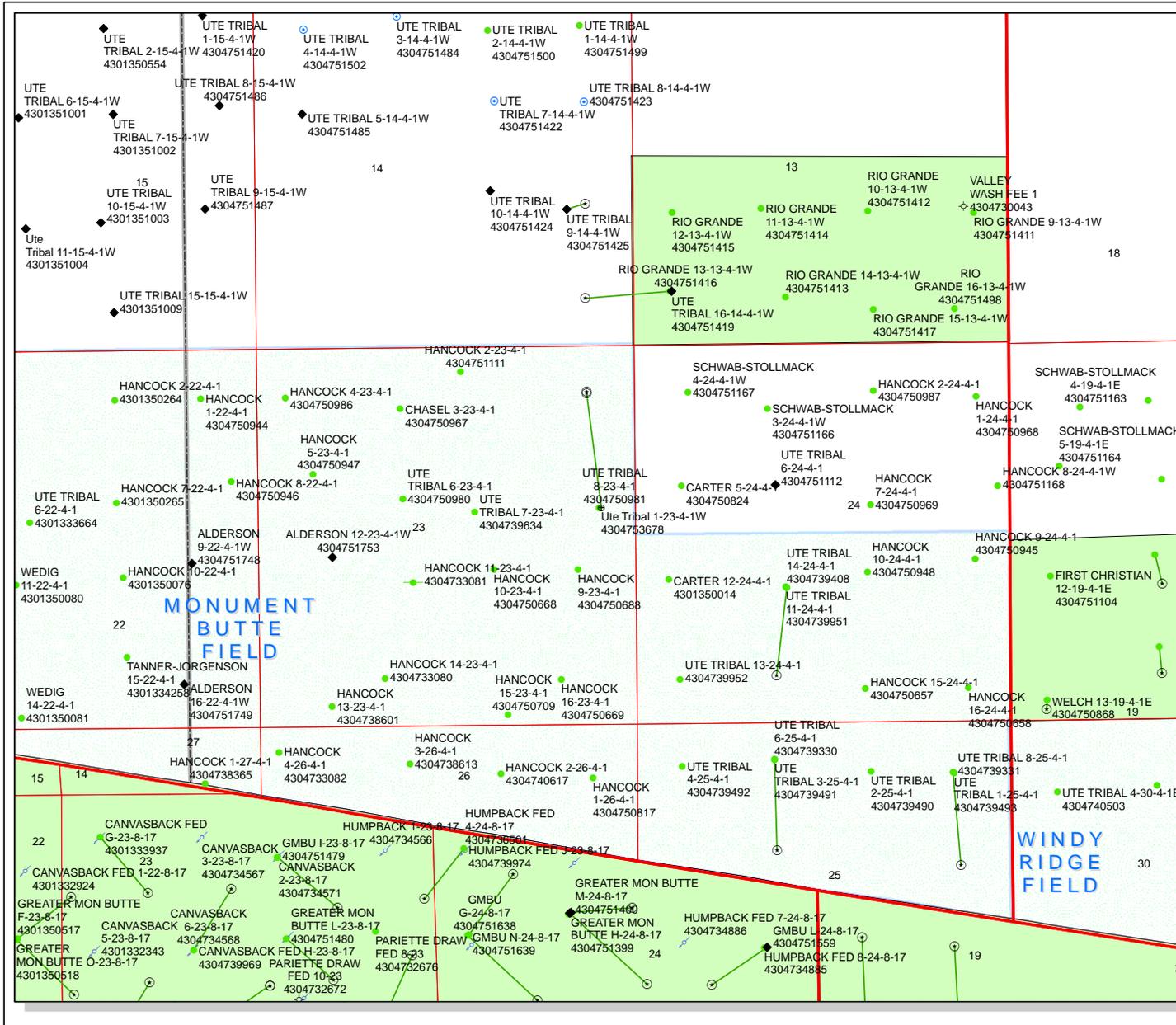
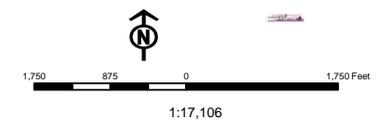
SURVEYED BY: C.M.	DATE SURVEYED: 05-10-11	VERSION:	<p><b>Tri State</b> Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078</p>
DRAWN BY: M.W.	DATE DRAWN: 07-18-11	V1	
SCALE: 1" = 50'	REVISED:		

(435) 781-2501

**API Number: 4304753678**  
**Well Name: Ute Tribal 1-23-4-1W**  
**Township T04.0S Range R01.0W Section 23**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- Units**
- ACTIVE
  - EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PI OIL
  - PP GAS
  - PP GEOTHERMAL
  - PP OIL
  - SECONDARY
  - TERMINATED
- Fields**
- Unknown
  - ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - STORAGE
  - TERMINATED



VIA ELECTRONIC DELIEVERY



March 19, 2013

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

**Newfield Exploration Company**  
1001 17th Street | Suite 2000  
Denver, Colorado 80202  
PH 303-893-0102 | FAX 303-893-0103

RE: Directional Drilling  
**Ute Tribal 1-23-4-1W**  
Uintah County, Utah

Surface Hole: T4S-R1W, Section 23: SENE  
2270' FNL 465' FEL

At Target: T4S R1W, Section 23: NENE  
670' FNL 650' FEL

Uintah County, Utah

Dear Ms. Mason;

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 3/6/2013, a copy of which is attached, and in accordance with the Oil Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well. NPC is permitting this well as a directional well to avoid excessive disturbance to Henderson Ranches improved cropland and irrigation system.

Please note the surface hole and target locations of this well and all surrounding acreage within a four hundred sixty (460') foot radius is fee acreage and the leasehold is owned 100% by NPC and Crescent Point Energy U.S. Corp (formerly Ute Energy Upstream Holdings LLC). A copy of Crescent Point Energy U.S. Corp. consent to this directional drilling is attached to this letter.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3 - 11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at [lburget@newfield.com](mailto:lburget@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink that reads "Leslie Burget". The signature is fluid and cursive.

Leslie Burget  
Land Associate

attachments

VIA ELECTRONIC DELIVERY

**NEWFIELD**



March 7, 2013

Crescent Point Energy U.S. Corp  
Attn: David Eckelberger  
1875 Lawrence Avenue  
Suite 200  
Denver, CO 80202

**Newfield Exploration Company**  
1001 17th Street | Suite 2000  
Denver, Colorado 80202  
PH 303-893-0102 | FAX 303-893-0103

Re: Directional Drill  
Ute Tribal 1-23-4-1W  
Uintah County, Utah

Dear Mr. Eckelberger:

In accordance with Section 3.1.D of the Exploration & Development Agreement dated February 23, 2007 among the Ute Indian Tribe, Newfield Production Company and the Ute Distribution Corporation, please be advised that Newfield is requesting approval from the Utah Division of Oil, Gas & Mining for the following well:

**Ute Tribal 1-23-4-1W**

Surface Hole Location: T4S-R1W Section 23: SENE  
2270' FNL 465' FEL

Bottom Hole Location: T4S-R1W Section 23: NENE  
670' FNL 650' FEL

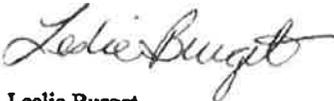
Uintah County, Utah

This well needs to be drilled directionally to avoid excessive disturbance to Henderson Ranches improved cropland and irrigation system. Pursuant to State of Utah R639-3-22, it is necessary to obtain your written concurrence with the directional drill as an affected party.

Enclosed you will find a plat showing the surface hole location and bottom hole location of the above of referenced well. If you are in agreement to this location, please verify your consent by signing and dating where indicated on page 2 of this letter and return to my attention as soon as possible. You may mail your consent to the letterhead address or email to [lburget@newfield.com](mailto:lburget@newfield.com).

If you have any questions or need further information, please do not hesitate to contact me at 303-383-4121 or by email at [lburget@newfield.com](mailto:lburget@newfield.com). I appreciate your prompt attention to this matter.

Sincerely,  
Newfield Production Company



Leslie Burget  
Land Associate

**Return to:** Newfield Production Company  
Attn: Leslie Burget  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, CO 80202

lburget@newfield.com email

**Re: Ute Tribal 1-23-4-1W**

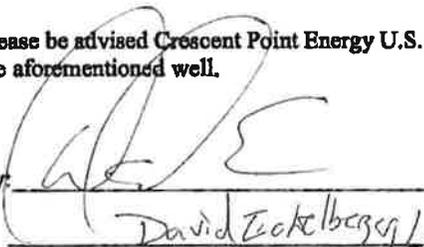
**Surface Hole Location:** T4S-R1W Section 23: SENE  
2270' FNL 465' FEL

**Bottom Hole Location:** T4S-R1W Section 23: NENE  
670' FNL 650' FEL

Uintah County, Utah

Please be advised Crescent Point Energy U.S. Corp. does not have an objection to the proposed location of the aforementioned well.

By:



David Eckelberger Landman

Print Name and Title

Date:

3/16/13

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3				
<b>APPLICATION FOR PERMIT TO DRILL</b>						AMENDED REPORT <input type="checkbox"/>				
<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>1. WELL NAME and NUMBER</b> Ute Tribal 1-23-4-1W							
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well:NO			<b>3. FIELD OR WLDCAT</b> UNDESIGNATED							
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY			<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>							
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052			<b>7. OPERATOR PHONE</b> 435 646-4825							
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 1420H626860		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>						
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Henderson Ranches LLC			<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>							
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> RR 3 Box 3671, Myton, UT 84052			<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>							
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Ute Tribe		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>				
LOCATION AT SURFACE	2270FNL465FEL	SENE	23	4 0S	1 0W	U				
Top of Uppermost Producing Zone	670FNL650FEL	NENE	23	4 0S	1 0W	U				
At Total Depth	670FNL650FEL	NENE	23	4 0S	1 0W	U				
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (feet)</b> 650		<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> 1757		<b>26. PROPOSED DEPTH</b> MD:7438 TVD:7200						
<b>27. ELEVATION - GROUND LEVEL</b> 5037		<b>28. BOND NUMBER</b> RLB0010462		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478						
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12 25	8 625	0 - 500	24 0	J-55 ST&C	8 3	Class G	229	1 17	15 8
Prod	7 875	5 5	0 - 7438	15 5	J-55 LT&C	8 3	Premium Lite High Strength	379	3 26	11 0
							50/50 Poz	363	1 24	14 3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5, IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Handle Crozler			TITLE Regulatory Tech			PHONE 435 646-4825				
SIGNATURE			DATE			EMAIL mcrozler@newfield.com				
API NUMBER ASSIGNED			APPROVAL							

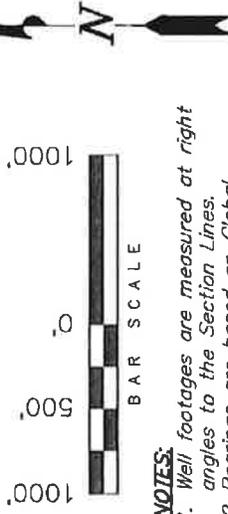
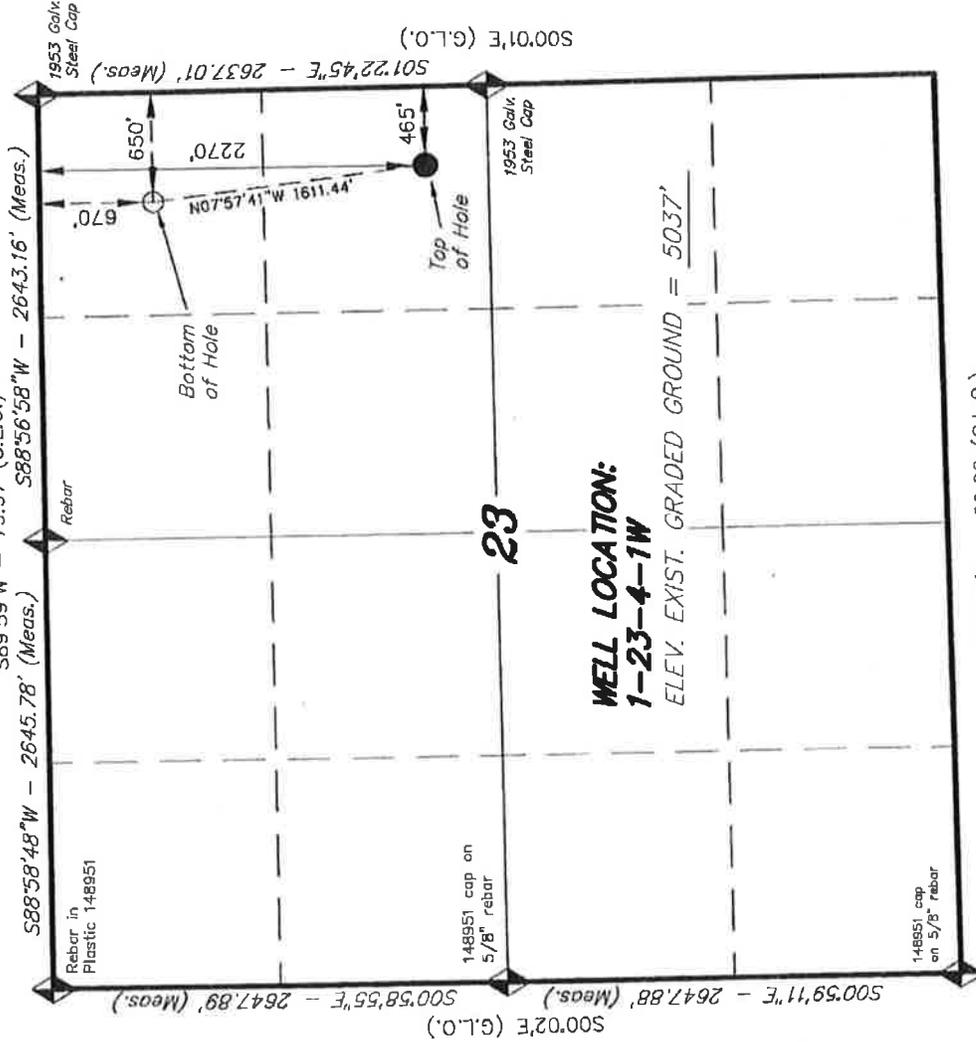
Received: March 06, 2013

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

**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, 1-23-4-1W, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 23, T4S, R1W, U.S.B.&M. Uintah County, UTAH.

TARGET BOTTOM HOLE, 1-23-4-1W, LOCATED AS SHOWN IN THE NE 1/4 NE 1/4 OF SECTION 23, T4S, R1W, U.S.B.&M. Uintah County, UTAH.



- NOTES:**
- Well footages are measured at right angles to the Section Lines.
  - Bearings are based on Global Positioning Satellite observations.

**WELL LOCATION:  
1-23-4-1W**  
ELEV. EXIST. GRADED GROUND = 5037'

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

**STACY W. STUMPF**  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 07-18-11  
STATE OF UTAH

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

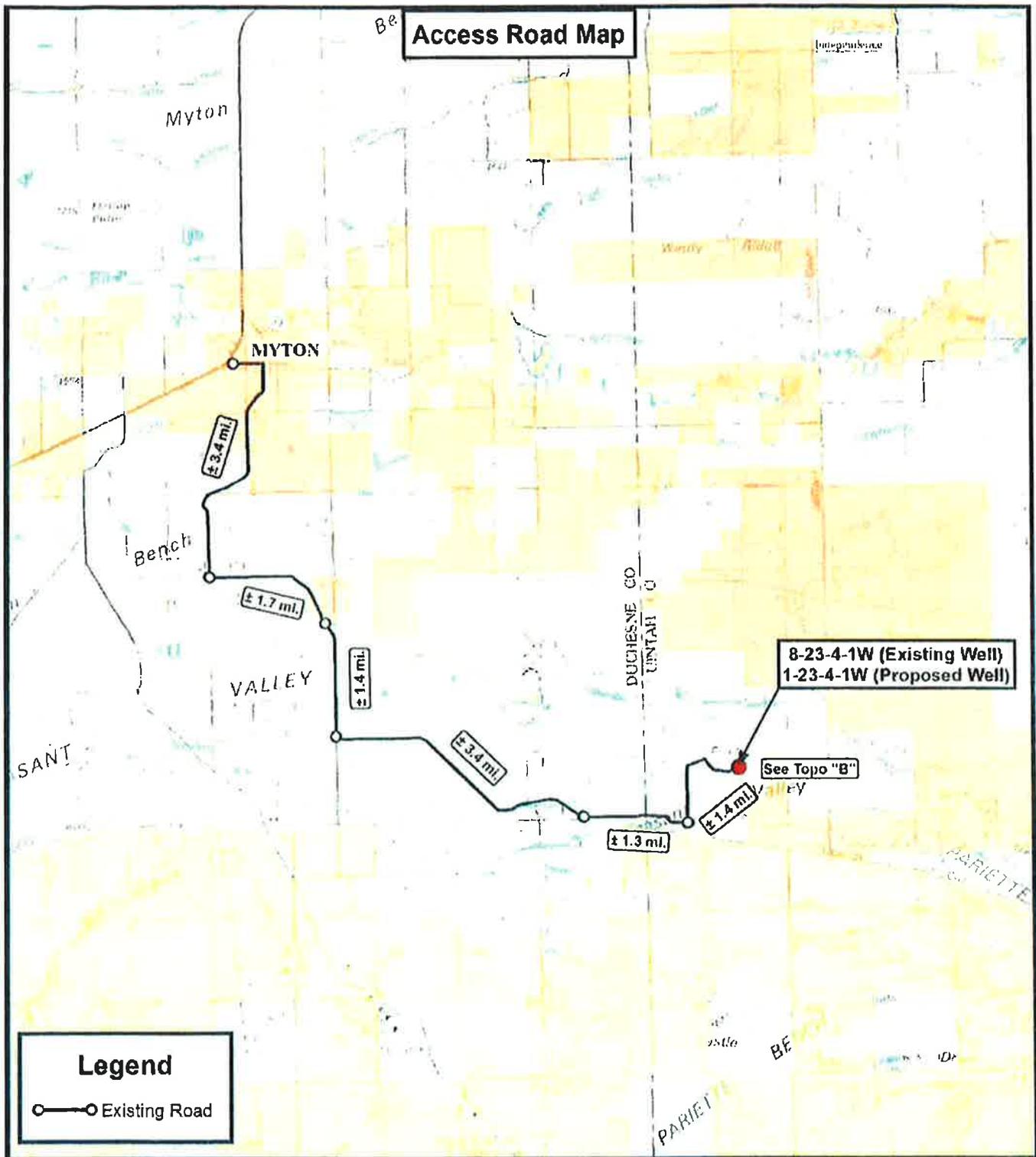
DATE SURVEYED:	05-10-11	SURVEYED BY:	C.M.	VERSION:
DATE DRAWN:	07-18-11	DRAWN BY:	M.W.	V1
REVISED:		SCALE:	1" = 1000'	

S89°51'W - 80.00 (G.L.O.)

◆ = SECTION CORNERS LOCATED

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

**1-23-4-1W**  
(Surface Location) **NAD 83**  
LATITUDE = 40° 07' 17.47"  
LONGITUDE = 109° 57' 20.86"



**Access Road Map**

**Legend**  
 Existing Road

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

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



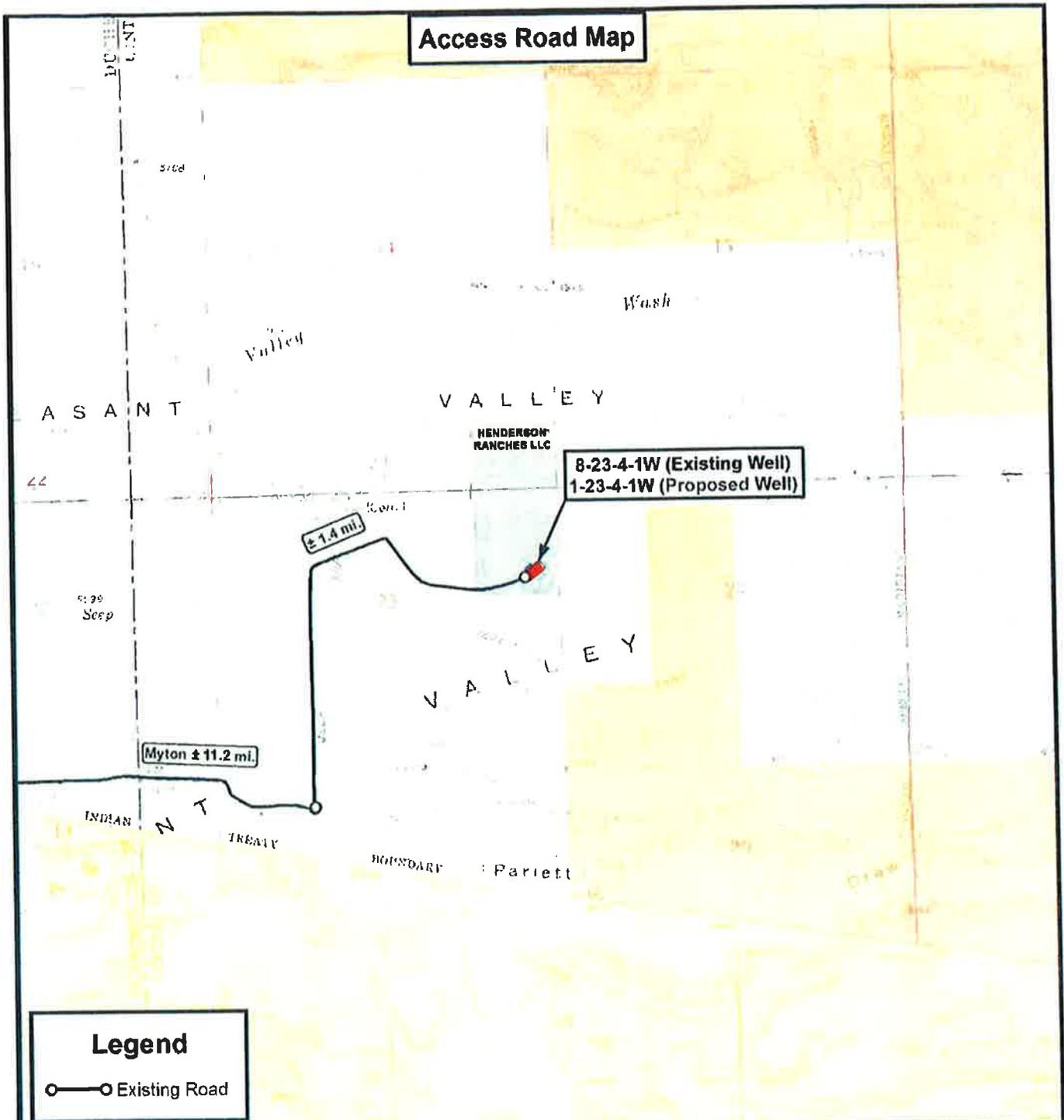
**NEWFIELD EXPLORATION COMPANY**

8-23-4-1W (Existing Well)  
 1-23-4-1W (Proposed Well)  
 SEC. 23, T4S, R1W, U.S.B.&M.  
 Uintah County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		V1
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**



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

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

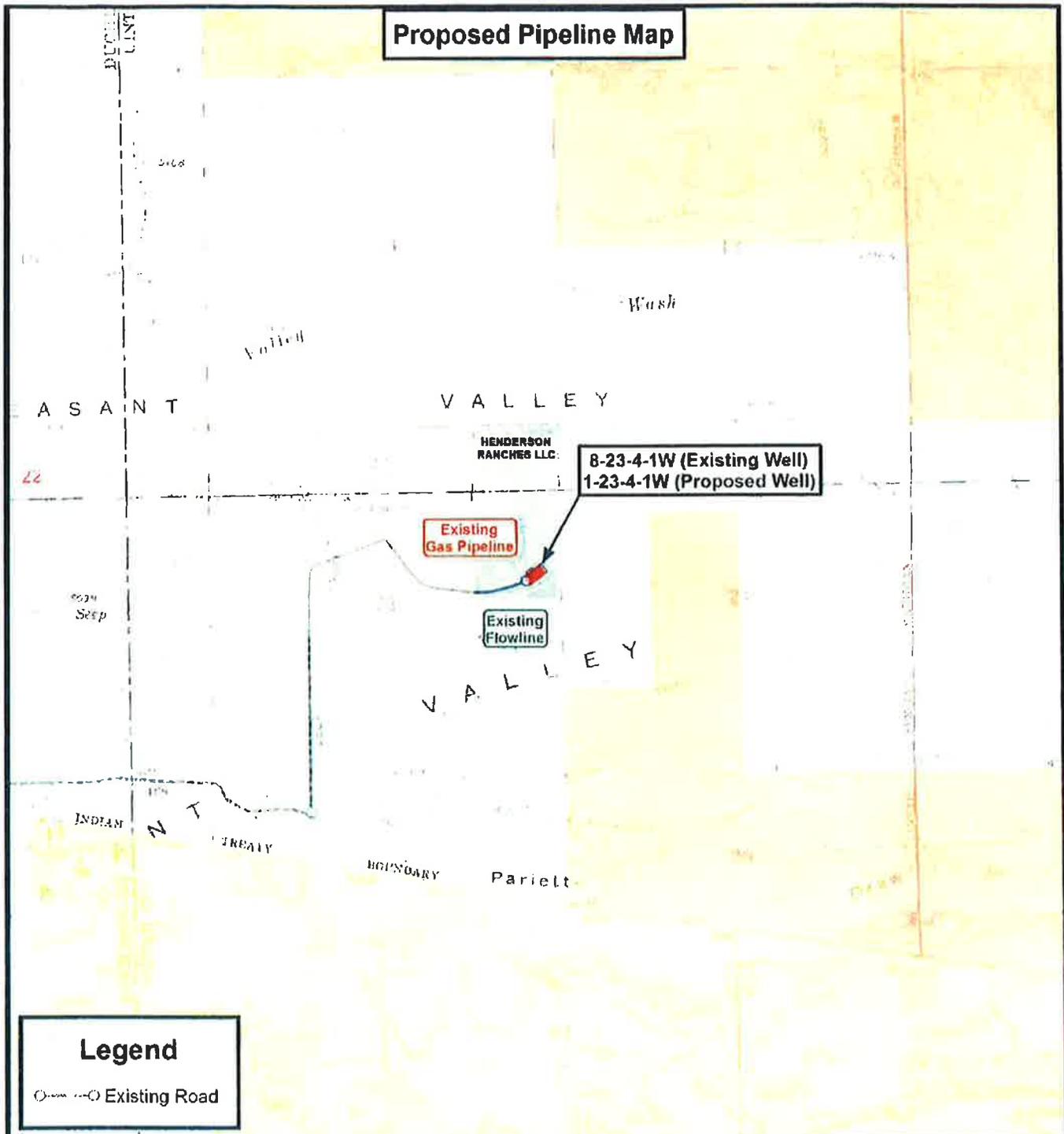


**NEWFIELD EXPLORATION COMPANY**  
 8-23-4-1W (Existing Well)  
 1-23-4-1W (Proposed Well)  
 SEC. 23, T4S, R1W, U.S.B.&M.  
 Uintah County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**



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

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

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



**NEWFIELD EXPLORATION COMPANY**

8-23-4-1W (Existing Well)  
1-23-4-1W (Proposed Well)  
SEC. 23, T4S, R1W, U.S.B.&M.  
Uintah County, UT.

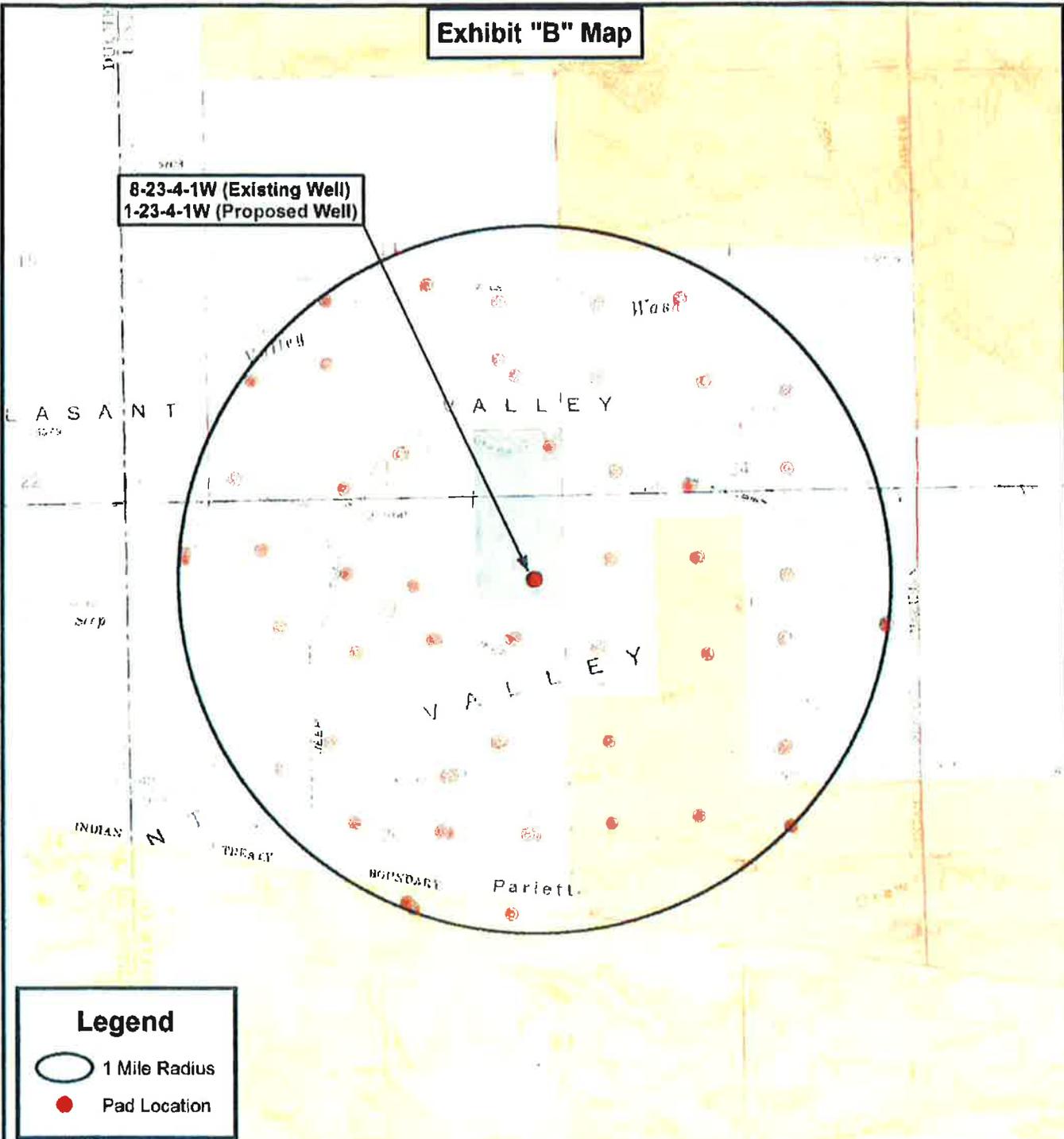
DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**C**

**Exhibit "B" Map**

**8-23-4-1W (Existing Well)**  
**1-23-4-1W (Proposed Well)**



**Legend**

-  1 Mile Radius
-  Pad Location

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



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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



**NEWFIELD EXPLORATION COMPANY**

**8-23-4-1W (Existing Well)**  
**1-23-4-1W (Proposed Well)**  
 SEC. 23, T4S, R1W, U.S.B.&M.  
 Uintah County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	07-25-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Ute Tribal 1-23-4-1W  
**API Number** 43047536780000      **APD No** 7769      **Field/Unit** MONUMENT BUTTE  
**Location: 1/4,1/4** SENE      **Sec** 23      **Tw** 4.0S      **Rng** 1.0W      2270 FNL 465 FEL  
**GPS Coord (UTM)**      **Surface Owner** Henderson Ranches LLC

### Participants

C.Miller, M. Crozier - NFXWayne, Laqnce and Tom Henderson - Landowners

### Regional/Local Setting & Topography

New well on existing pad. Host well is the 8-23-4-1W

Original:

The proposed location is approximately 11.9 road miles southeast of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. The broad flats of Pleasant Valley that are frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access to the site is by State, County and existing or planned oil field development roads. Approximately 980 feet of new construction across Henderson's private land will be required to reach the location.

The specific site for the proposed Ute Tribal 8-23-4-1 oil well location is in Pleasant Valley mostly outside a pivot irrigated cornfield. The pad is laid out in a west to easterly direction bordering the cornfield that is to the north. The location is outside the normal drilling and moved to this location at the request of the landowners so as not to interfere with their agricultural production. The entire reserve pit is within the outside edge of the field. The well will be drilled and reserve pit closed during the non-irrigation season. The area is essential level with a slight slope into re greasewood wastelands that border the field. This area has a moderately high water table and may require some imported borrow to harden the pad. No drainage concerns exist and no diversions are needed. No streams, springs, ditches or open water exists in the immediate area. Mr. Karl Wright of the BLM expressed some concern that the pivot may spray on the outer edge of the location. It was explained that this would only occur if the pivot circled in that area during an intense wind.

Henderson Ranches owns the surface of the location.

### Surface Use Plan

#### **Current Surface Use**

Existing Well Pad

**New Road  
Miles**

**Well Pad**

**Src Const Material**

**Surface Formation**

**Width Length**

**Ancillary Facilities**

### Waste Management Plan Adequate?

**Environmental Parameters**

**Affected Floodplains and/or Wetlands**

**Flora / Fauna**

**Soil Type and Characteristics**

**Erosion Issues**

**Sedimentation Issues**

**Site Stability Issues**

**Drainage Diversion Required?**

**Berm Required?**

**Erosion Sedimentation Control Required?**

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

**Distance to Groundwater (feet)**

**Distance to Surface Water (feet)**

**Dist. Nearest Municipal Well (ft)**

**Distance to Other Wells (feet)**

**Native Soil Type**

**Fluid Type**

**Drill Cuttings**

**Annual Precipitation (inches)**

**Affected Populations**

**Presence Nearby Utility Conduits**

**Final Score**

**Sensitivity Level**

**Characteristics / Requirements**

**Closed Loop Mud Required?    Liner Required?    Liner Thickness    Pit Underlayment Required?**

**Other Observations / Comments**

Landowners have expressed concerns that well pad construction was not up to agreed standards from the original well. The reserve pit, located on farmground has not been properly reclaimed and crops will not grow where it was located. They are also complaining of flooding and erosion as access was not built as promised ( missing culverts and gates and cattle guard). In my opinion the pad could use some improvements as drainages are not diverted and overland flows come onto pad and cause flooding

API Well Number: 43047536780000

Chris Jensen  
Evaluator

4/3/2013  
Date / Time

RECEIVED: April 17, 2013

---

**Application for Permit to Drill  
Statement of Basis  
Utah Division of Oil, Gas and Mining**

---

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
7769	43047536780000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Henderson Ranches LLC	
<b>Well Name</b>	Ute Tribal 1-23-4-1W		<b>Unit</b>		
<b>Field</b>	MONUMENT BUTTE		<b>Type of Work</b>	DRILL	
<b>Location</b>	SENE 23 4S 1W U 2270 FNL 465 FEL GPS Coord (UTM) 588962E 4441763N				

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
APD Evaluator

4/16/2013  
Date / Time

**Surface Statement of Basis**

The proposed location is approximately 11.9 road miles southeast of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Duchesne County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. The broad flats of Pleasant Valley that are frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access to the site is by State, County and existing or planned oil field development roads. Approximately 980 feet of new construction across Henderson's private land will be required to reach the location.

The specific site for the proposed Ute Tribal 8-23-4-1 oil well location is in Pleasant Valley mostly outside a pivot irrigated cornfield. The pad is laid out in a west to easterly direction bordering the cornfield that is to the north. The location is outside the normal drilling and moved to this location at the request of the landowners so as not to interfere with their agricultural production. The entire reserve pit is within the outside edge of the field. The well will be drilled and reserve pit closed during the non-irrigation season. The area is essential level with a slight slope into re greasewood wastelands that border the field. This area has a moderately high water table and may require some imported borrow to harden the pad. No streams, springs, ditches or open water exists in the immediate area. Mr. Karl Wright of the BLM expressed some concern that the pivot may spray on the outer edge of the location. It was explained that this would only occur if the pivot circled in that area during an intense wind.

Henderson Ranches owns the surface of the location. A surface use agreement has been signed. Wayne and Tommy Henderson were met that morning prior to the pre-site. They said they would only attend the evaluations for the few wells they had concerns with. They had no concerns regarding this location. The minerals are owned by the United States Government and held in trust for the Ute Indian Tribe. James Hereford and Karl Wright of

the BLM were present and had no significant concerns. The landowners have waived a cultural resource survey.

Chris Jensen  
Onsite Evaluator

4/3/2013  
Date / Time

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

<b>Category</b>	<b>Condition</b>
Pits	The reserve pit should be properly reclaimed and topsoils replaced
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The location shall be fenced upon completion of drilling operations. Roads shall be constructed according to original agreements with culverts cattle guards fencing and gates
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/6/2013

API NO. ASSIGNED: 43047536780000

WELL NAME: Ute Tribal 1-23-4-1W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SENE 23 040S 010W

Permit Tech Review: 

SURFACE: 2270 FNL 0465 FEL

Engineering Review: 

BOTTOM: 0670 FNL 0650 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.12148

LONGITUDE: -109.95596

UTM SURF EASTINGS: 588962.00

NORTHINGS: 4441763.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420H626860

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - RLB0010462
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill  
4 - Federal Approval - dmason  
5 - Statement of Basis - bhill  
15 - Directional - 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 1-23-4-1W  
**API Well Number:** 43047536780000  
**Lease Number:** 1420H626860  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 4/17/2013

### Issued to:

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

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

### 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.

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

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled,

completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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

**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 <http://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:**



For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626860	
<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 1-23-4-1W
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047536780000
<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> MONUMENT BUTTE	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2270 FNL 0465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 04.0S Range: 01.0W Meridian: U
<b>COUNTY:</b> UINTAH	<b>STATE:</b> UTAH

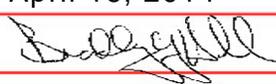
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/17/2014	<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"/> <b>APD EXTENSION</b>
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

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

**Date:** April 16, 2014  
**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> 4/14/2014	



**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 43047536780000**

API: 43047536780000

Well Name: Ute Tribal 1-23-4-1W

Location: 2270 FNL 0465 FEL QTR SENE SEC 23 TWNP 040S RNG 010W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 4/17/2013

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: 4/14/2014

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: 1420H626860
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 1-23-4-1W
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2270 FNL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 23 Township: 04.0S Range: 01.0W Meridian: U	9. API NUMBER: 43047536780000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	9. FIELD and POOL or WILDCAT: PLEASANT VALLEY
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	9. FIELD and POOL or WILDCAT: PLEASANT VALLEY
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2270 FNL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 23 Township: 04.0S Range: 01.0W Meridian: U	COUNTY: UINTAH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2270 FNL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 23 Township: 04.0S Range: 01.0W Meridian: U	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/17/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**March 24, 2015**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 3/19/2015	



**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 43047536780000**

API: 43047536780000

Well Name: Ute Tribal 1-23-4-1W

Location: 2270 FNL 0465 FEL QTR SENE SEC 23 TWNP 040S RNG 010W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 4/17/2013

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: 3/19/2015

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

# RECEIVED

Form 3160-3  
(August 2007)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

~~MAR 06 2013~~  
JUNE 25 2010

BLM Vernal UT

### APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 4-20-H62-6252	
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 Exploration		7. If Unit or CA Agreement, Name and No. NA	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Ute Tribal 1-23-4-1W	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 4304753678	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SE/NE 2270' FNL 465' FEL At proposed prod. zone NE/NE 670' FNL 650' FEL		10. Field and Pool, or Exploratory Undesignated	
14. Distance in miles and direction from nearest town or post office* Approximately 12.6 miles southeast of Myton, UT		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 23, T4S R1W	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 650' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)		12. County or Parish Uintah	
16. Acreage of lease NA		13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1757'		17. BLM/BIA Bond No. on file RLB0010462	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5037' GL		19. Proposed Depth 7483'(MD) 7200'(TVD)	
22. Approximate date work will start*		20. BLM/BIA Bond No. on file RLB0010462	
23. Estimated duration (7) days from SPUD to rig release		21. Estimated duration (7) days from SPUD to rig release	

# RECEIVED

APR 06 2015

#### 24. Attachments

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

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

25. Signature <i>Mandle Crozier</i>	Name (Printed/Typed) Mandle Crozier	Date 3/16/13
Title Regulatory Analyst	originally submitted	
Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) Jerry Kenczka	Date 6/17/10 MAR 23 2015
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.

## CONDITIONS OF APPROVAL 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)

# NOTICE OF APPROVAL



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
VERNAL, UT 84078

170 South 500 East

(435) 781-4400



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

Company: NEWFIELD PRODUCTION COMPANY Location: SENE, Sec. 23, T4S, R1W  
Well No: UTE TRIBAL 1-23-4-1W Lease No: 14-20-H62-6252  
API No: 43-047-53678 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:blm_ut_vn_opreport@blm.gov">blm_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)**

**Company/Operator:** Newfield Exploration Company  
**Well Name & Number:**

**Ute Tribal 1-23-4-1W**

**Conditions of Approval (COAs)**

*Threatened, Endangered, Candidate and Proposed Plant Species*

- Sclerocactus spot check surveys should be conducted on an annual basis by a qualified botanist, and reviewed by the Authorized Officer (AO), for all planned disturbance areas, if the project has not been completed within the year following the pre-construction plant surveys. Review of spot checks may result in additional pre-construction plant surveys as recommended by the AO. If the proposed action or parts thereof have not occurred within four (4) years of the original survey, additional coordination with the AO must occur, and a new clearance survey may be necessary prior to ground disturbing activities.
- Dust suppression as a result of oil and gas operations will be performed throughout the life of the project, using suitable produced water under hot, windy, and/or dry conditions, and will depend on soil types and the moisture content of the soils where activities are taking place. Dust suppression will be most commonly implemented during the summer months.
- Equipment and vehicles entering the project area from outside the Uinta Basin will be power-washed to remove seeds and plant material.
- Employees and contractors of the operator will remain on designated routes and other cleared/approved areas.
- All disturbed areas will be reseeded with native plant species, or seed mixes approved by the Authorized Officer (AO).
- Erosion control methods will be implemented to minimize sedimentation to *Sclerocactus* plants and populations located downslope of surface disturbing activities.
- Reinitiating of Section 7 consultation with the Service will be sought immediately if any loss of plants or occupied habitat for role *Sclerocactus* is anticipated as a result of project activities.

*General Conditions of Approval*

- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- The conditions of approval, as set forth by those owners and/or agencies, shall be adhered to.
- All COAs established in the original pad EA DOI-BLM-UT-G010-2011-0408
- The northeast edge of the pad will avoid the existing drainage.
- The existing pad berm will remain in place until a new berm has been completed or suitable containment has been installed around fluid containing facilities (i.e. production tanks).
- Reclamation will be completed in accordance with the recontouring and reseeded procedures outlined in the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Filed Office of the BLM, unless otherwise specified by the private surface owner.

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

**SITE SPECIFIC DOWNHOLE COAs:**

**Ute Tribal 1-23-4-1W**

- Newfield Production Company shall adhere to all referenced requirements in the SOP (version: Ute Tribal Green River Development Program).
- Cement for the 5 ½ casing will be brought to a minimum of 200` feet above the surface casing shoe.
- Variances to OO2, Section III.E shall be granted as requested regarding the air drilling program for the surface hole.
- The Flare pit shall be at least 100 feet from the well bore.

**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 by CD (compact disc). 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).
- 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.

<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: 1420H626860
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 1-23-4-1W
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2270 FNL 0465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 23 Township: 04.0S Range: 01.0W Meridian: U	9. API NUMBER: 43047536780000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: PLEASANT VALLEY	COUNTY: UINTAH
STATE: UTAH	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/17/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**April 14, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By: 

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 4/14/2016	



**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 43047536780000**

API: 43047536780000

Well Name: Ute Tribal 1-23-4-1W

Location: 2270 FNL 0465 FEL QTR SENE SEC 23 TWNP 040S RNG 010W MER U

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 4/17/2013

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: 4/14/2016

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY