

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 18-04					
<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> ANTELOPE CREEK					
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> ANTELOPE CREEK					
<b>6. NAME OF OPERATOR</b> PETROGLYPH OPERATING CO						<b>7. OPERATOR PHONE</b> 208 685-7685					
<b>8. ADDRESS OF OPERATOR</b> 960 Broadway Avenue, Ste 500, Boise, ID, 83703						<b>9. OPERATOR E-MAIL</b> ppowell@pgei.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 1420H623513			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>					
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Ute Indian 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		493 FNL 1281 FWL		NENW	18	5.0 S	3.0 W	U			
Top of Uppermost Producing Zone		600 FNL 500 FWL		NWNW	18	5.0 S	3.0 W	U			
At Total Depth		600 FNL 500 FWL		NWNW	18	5.0 S	3.0 W	U			
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 468			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640					
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 748			<b>26. PROPOSED DEPTH</b> MD: 6241 TVD: 6154					
<b>27. ELEVATION - GROUND LEVEL</b> 6190			<b>28. BOND NUMBER</b> LPM4138336			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-8342					
<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>	
COND	20	14	0 - 54	5.0	Unknown	10.0	Class G	25	1.17	15.8	
SURF	12.25	8.625	0 - 494	24.0	J-55 ST&C	10.0	Class G	227	1.17	15.8	
PROD	7.875	5.5	0 - 6241	15.5	J-55 LT&C	10.0	Class G	475	1.92	12.5	
							Class G	338	1.46	13.4	
<b>ATTACHMENTS</b>											
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
<b>NAME</b> Ed Trotter				<b>TITLE</b> Agent			<b>PHONE</b> 435 789-4120				
<b>SIGNATURE</b>				<b>DATE</b> 06/03/2013			<b>EMAIL</b> edtrotter@easilink.com				
<b>API NUMBER ASSIGNED</b> 43013522190000				<b>APPROVAL</b>			 Permit Manager				

**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:**

Formation		Subsea	TVD	MD
Rig KB~14.4' above GGL		6204	0	0
Surface Formation = Uinta				
Uinta		6190	14	14
Green River		4822	1382	1389
Trona		3511	2693	2738
Mahogany Shale		3357	2847	2897
"B" Marker	Waterflood Unit Interval	2239	3965	4048
"X" Marker		1752	4452	4539
Douglas Creek Marker		1609	4595	4684
"B" Limestone		1216	4988	5076
Base Castle Peak Limestone		663	5541	5627
BSCARB		250	5954	6041
Wasatch		-23	NDE	NDE
Rig TD		50	6154	6241

**2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:**

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	6000	204	204
Oil/Gas	Douglas Creek	1609	4595	4684
Oil/Gas	Castle Peak	663	5541	5627

Any water encountered during drilling shall be sampled, analyzed and reported to BLM, Vernal office using State of Utah DOGM Form 7 *Report of Water Encountered during Drilling*. The following analyses shall be performed on any water encountered:

Flow rate (or blowtest)	Temperature	pH	TDS
Dissolved Iron	Dissolved Magnesium	Dissolved Bicarb.	Dissolved Sulfate
Dissolved Calcium	Dissolved Sodium	Dissolved Carbonate	Dissolved Chloride

All depths through the "Base of moderately saline ground water"\* , along with any water encountered below that depth which is less than 10,000 TDS, shall be protected by the surface casing or by lifting the cement of the production casing into the surface casing.

\*Base of Moderately Saline Groundwater from Howells, Longson and Hunt, 1981, Utah State Technical Publication 92: The Base of the Moderately Saline Water in the Uinta Basin, Utah



**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**3. PROPOSED CASING PROGRAM:**

String	Hole	Casing	Top - MD	Bottom - MD	Weight lb/ft	Grade	Thread
Conductor	20"	14"	surface	54'	steel	Cond'r	none
Surface	12-1/4"	8-5/8"	surface	494'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	6241'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	8-5/8"	1,370 psi	2,950 psi	244,000 lb
Production	7-7/8"	5-1/2"	4,040 psi	4,810 psi	248,000 lb

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 4048'MD.

**4. PROPOSED CEMENTING PROGRAM:**

String	Top	Cement Description	Sacks	Excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
	Bottom		Vol (ft <sup>3</sup> )			
Conductor	0 54	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 494	Class G +2% CaCl <sub>2</sub> +0.25 lb/sk Cello Flake	227 265	30%	15.8	1.17
Production Lead	0 4048	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR <sup>1</sup> / <sub>4</sub> (LCM)	475 912	30%	12.5	1.92
Production Tail	4048 6241	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR <sup>1</sup> / <sub>4</sub> (LCM)	338 494	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary cementing operation the cement does not circulate to surface, a remedial cementing operation shall be performed only if necessary to lift cement above the Trona at 2738'MD.



**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:**

- An 8", 2000 PSI, Double Ram BOPE with Hydraulic Closing Unit shall be used.
- The flowline shall have a minimum diameter of 10".
- Auxiliary equipment shall be a Kelly Cock, Bit Float, and a TIW valve with drill pipe threads.
- Spark arrestors shall be equipped on all engine exhausts within 100 feet of the wellbore.
- See attached 2,000 psi BOP schematic diagram.

**BOPE TESTING PROCEDURE:**

- The BOPE shall be tested by a professional tester to conform to Onshore Order #2.

**6. MUD PROGRAM:**

**A. SURFACE HOLE**

- The surface hole will be drilled with an air/mist system from 0' to 494'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
  - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
  - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
  - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
  - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.



**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**B. PRODUCTION HOLE**

- The production hole shall be drilled with a freshwater polymer system from 494' to 6241'. LSND mud if conditions warrant.
- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.
- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.
- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.
- 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. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.
- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.
- A mud-gas separator shall be available on location. Operator does not plan on using a gas detector on the mud return due to the fact that any abnormal pressure is the result of offset water injection.

**C. HAZARDOUS MATERIALS AND POLLUTANTS**

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior DOGM approval to ensure adequate protection of freshwater aquifers.
- Chemicals subject to reporting under SARA Title III in an amounts equal to or greater than 10,000 pounds annually **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Hazardous substances specifically listed by the EPA as a hazardous waste, as defined in 40 CFR 261 (D), or any substances that through their use would lead to the generation of a hazardous waste, **shall NOT** be used in association with the drilling, testing, or completion of this well.

**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**7. EVALUATION PROGRAM:**

Logs: Triple Combo TD to base of surface casing (AIT, DSN, CDL)  
 Base of surface casing to surface (GR only)

Cores: None planned

DST: None planned

Testing: Operator plans no testing until the completion phase of the well.

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

- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H<sub>2</sub>S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1560 PSI (0.25 PSI/ft gradient).
- This well is in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.433 PSI/ft gradient (2702 PSI).

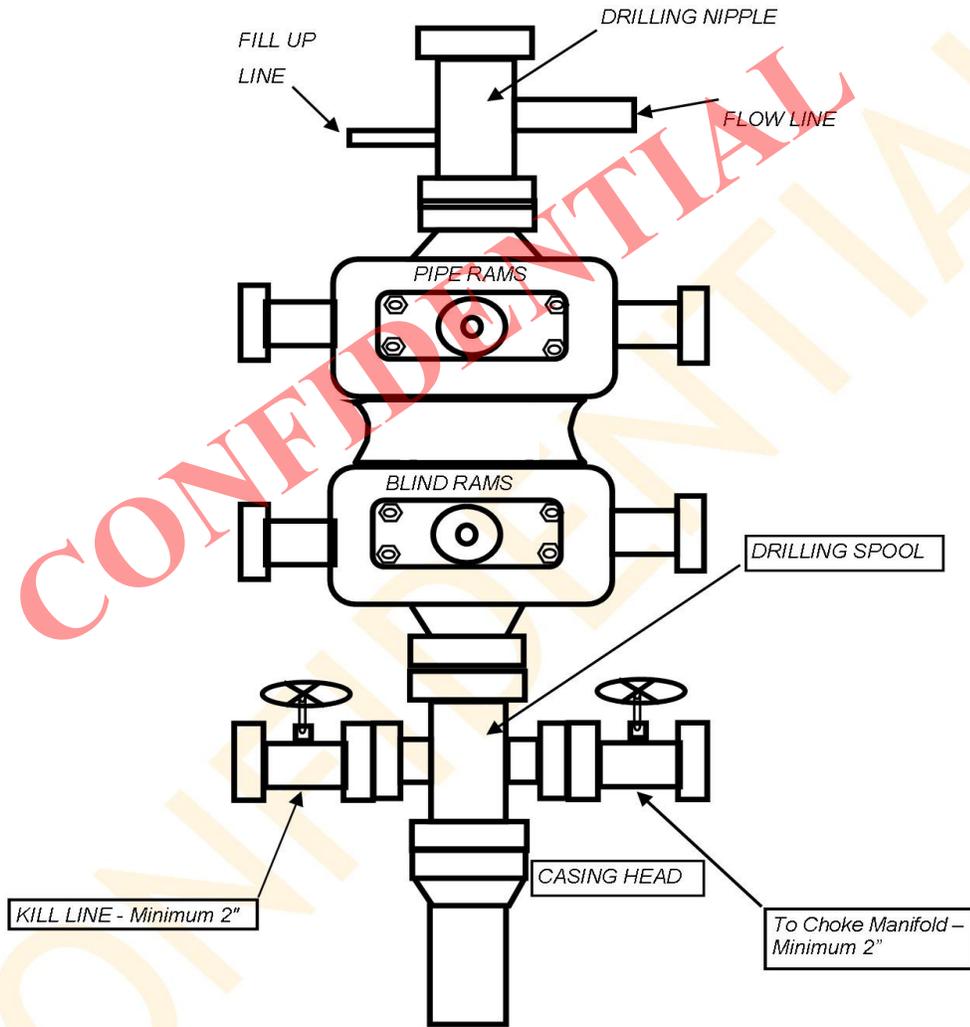
**9. DIRECTIONAL WELL PLAN:**

- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 4048' to 6041', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.



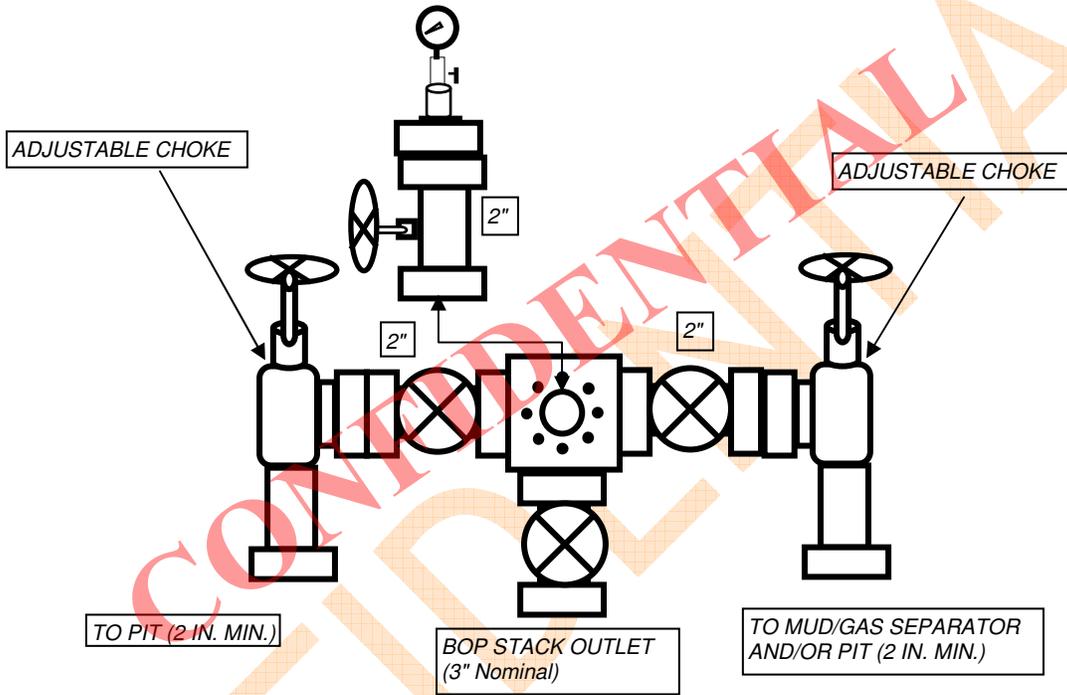
**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

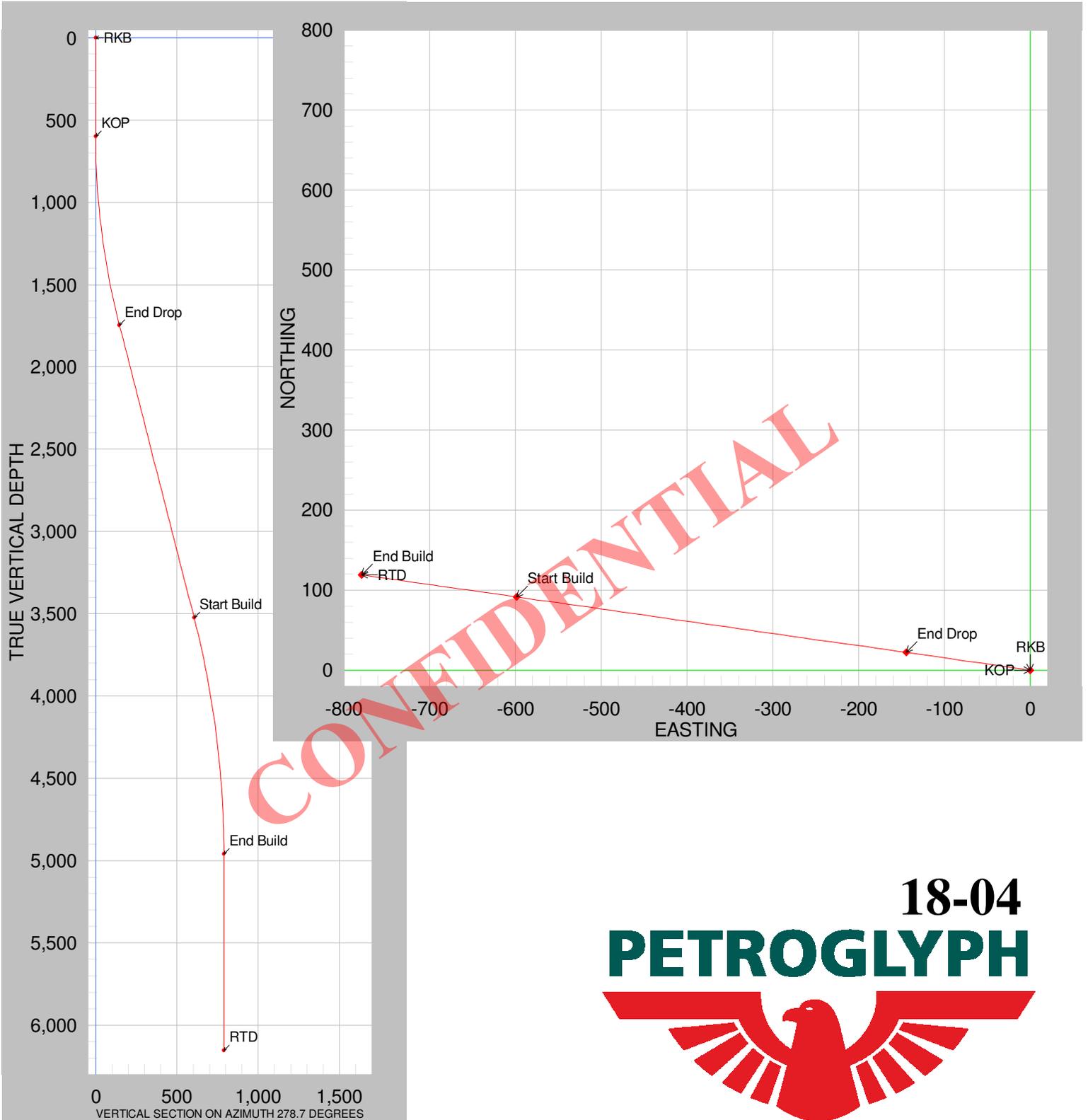
*TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER*



**CONFIDENTIAL**  
**NINE POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 18-04**  
**NE NW, SEC 18, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

TYPICAL 2,000 p.s.i. CHOKE MANIFOLD





#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Drop	Build	1760.00	14.50	278.70	1747.66	22.08	-144.32	1.25	146.00
3	Start Build	Tangent	3595.00	14.50	278.70	3524.21	91.58	-598.48	0.00	605.45
4	End Build	Drop	5045.00	0.00	0.00	4958.78	119.19	-778.88	1.00	787.95
5	RTD	Vertical	6241.00	0.00	0.00	6154.78	119.19	-778.88	0.00	787.95

# 18-04, Plan 1

<b>Operator</b>	<b>Units</b> feet, %/100ft	11:29 Thursday, May 02, 2013 Page 1 of 4
<b>Field</b>	<b>County</b>	<b>Vertical Section Azimuth</b> 278.7
<b>Well Name</b> 18-04	<b>State</b>	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b>	<b>Database</b> Access

<b>Location Site</b> SHL: 493' FNL 1281' FWL BHL: 600' FNL & 500' FWL	<b>MapZone</b>	<b>Lat Long Ref</b>
<b>Slot Name</b>	<b>SurfaceX</b>	<b>Surface Long</b>
<b>Well Number</b>	<b>SurfaceY</b>	<b>Surface Lat</b>
<b>Project</b>	<b>Z Datum</b>	<b>Ground Level</b>
	<b>Surface Z</b>	

**DIRECTIONAL WELL PLAN**

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	278.7	650.00	0.04	-0.27	1.25	0.27			
700.00	1.25	278.7	699.99	0.17	-1.08	1.25	1.09			
750.00	1.88	278.7	749.97	0.37	-2.43	1.25	2.45			
800.00	2.50	278.7	799.94	0.66	-4.31	1.25	4.36			
850.00	3.13	278.7	849.88	1.03	-6.74	1.25	6.82			
900.00	3.75	278.7	899.79	1.48	-9.70	1.25	9.81			
950.00	4.38	278.7	949.66	2.02	-13.20	1.25	13.36			
1000.00	5.00	278.7	999.49	2.64	-17.24	1.25	17.44			
1050.00	5.63	278.7	1049.28	3.34	-21.82	1.25	22.07			
1100.00	6.25	278.7	1099.01	4.12	-26.93	1.25	27.24			
1150.00	6.88	278.7	1148.68	4.99	-32.58	1.25	32.96			
1200.00	7.50	278.7	1198.29	5.93	-38.76	1.25	39.21			
1250.00	8.13	278.7	1247.82	6.96	-45.48	1.25	46.01			
1300.00	8.75	278.7	1297.28	8.07	-52.73	1.25	53.35			
1350.00	9.38	278.7	1346.66	9.26	-60.52	1.25	61.22			
1400.00	10.00	278.7	1395.94	10.53	-68.83	1.25	69.64			
1450.00	10.63	278.7	1445.14	11.89	-77.68	1.25	78.59			
1500.00	11.25	278.7	1494.23	13.32	-87.06	1.25	88.07			
1550.00	11.88	278.7	1543.21	14.84	-96.97	1.25	98.10			
1600.00	12.50	278.7	1592.09	16.43	-107.40	1.25	108.65			
1650.00	13.13	278.7	1640.84	18.11	-118.36	1.25	119.74			

### 18-04, Plan 1

<b>Operator</b>	<b>Units</b> feet, %/100ft	11:29 Thursday, May 02, 2013 Page 2 of 4
<b>Field</b>	<b>County</b>	<b>Vertical Section Azimuth</b> 278.7
<b>Well Name</b> 18-04	<b>State</b>	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b>	<b>Database</b> Access

<b>Location Site</b> SHL: 493' FNL 1281' FWL BHL: 600' FNL & 500' FWL	<b>MapZone</b>	<b>Lat Long Ref</b>
<b>Slot Name</b>	<b>SurfaceX</b>	<b>Surface Long</b>
<b>Well Number</b>	<b>SurfaceY</b>	<b>Surface Lat</b>
<b>Project</b>	<b>Z Datum</b>	<b>Ground Level</b>
	<b>Surface Z</b>	

**DIRECTIONAL WELL PLAN**

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
1700.00	13.75	278.7	1689.47	19.87	-129.85	1.25	131.36			
1750.00	14.38	278.7	1737.97	21.71	-141.86	1.25	143.51			
*** END DROP (at MD = 1760.00)										
1760.00	14.50	278.7	1747.66	22.08	-144.32	1.25	146.00			
1800.00	14.50	278.7	1786.38	23.60	-154.22	0.00	156.02			
1850.00	14.50	278.7	1834.79	25.49	-166.60	0.00	168.53			
1900.00	14.50	278.7	1883.20	27.39	-178.97	0.00	181.05			
1950.00	14.50	278.7	1931.61	29.28	-191.35	0.00	193.57			
2000.00	14.50	278.7	1980.01	31.17	-203.72	0.00	206.09			
2050.00	14.50	278.7	2028.42	33.07	-216.10	0.00	218.61			
2100.00	14.50	278.7	2076.83	34.96	-228.47	0.00	231.13			
2150.00	14.50	278.7	2125.24	36.85	-240.85	0.00	243.65			
2200.00	14.50	278.7	2173.64	38.75	-253.22	0.00	256.17			
2250.00	14.50	278.7	2222.05	40.64	-265.60	0.00	268.69			
2300.00	14.50	278.7	2270.46	42.54	-277.97	0.00	281.21			
2350.00	14.50	278.7	2318.86	44.43	-290.35	0.00	293.72			
2400.00	14.50	278.7	2367.27	46.32	-302.72	0.00	306.24			
2450.00	14.50	278.7	2415.68	48.22	-315.09	0.00	318.76			
2500.00	14.50	278.7	2464.09	50.11	-327.47	0.00	331.28			
2550.00	14.50	278.7	2512.49	52.00	-339.84	0.00	343.80			
2600.00	14.50	278.7	2560.90	53.90	-352.22	0.00	356.32			
2650.00	14.50	278.7	2609.31	55.79	-364.59	0.00	368.84			
2700.00	14.50	278.7	2657.72	57.68	-376.97	0.00	381.36			
2750.00	14.50	278.7	2706.12	59.58	-389.34	0.00	393.88			
2800.00	14.50	278.7	2754.53	61.47	-401.72	0.00	406.40			
2850.00	14.50	278.7	2802.94	63.37	-414.09	0.00	418.91			
2900.00	14.50	278.7	2851.35	65.26	-426.47	0.00	431.43			
2950.00	14.50	278.7	2899.75	67.15	-438.84	0.00	443.95			
3000.00	14.50	278.7	2948.16	69.05	-451.22	0.00	456.47			
3050.00	14.50	278.7	2996.57	70.94	-463.59	0.00	468.99			
3100.00	14.50	278.7	3044.98	72.83	-475.97	0.00	481.51			
3150.00	14.50	278.7	3093.38	74.73	-488.34	0.00	494.03			
3200.00	14.50	278.7	3141.79	76.62	-500.72	0.00	506.55			
3250.00	14.50	278.7	3190.20	78.51	-513.09	0.00	519.07			
3300.00	14.50	278.7	3238.60	80.41	-525.47	0.00	531.59			

### 18-04, Plan 1

<b>Operator</b>	<b>Units</b> feet, %/100ft	11:29 Thursday, May 02, 2013 Page 3 of 4
<b>Field</b>	<b>County</b>	<b>Vertical Section Azimuth</b> 278.7
<b>Well Name</b> 18-04	<b>State</b>	<b>Survey Calculation Method</b> Minimum Curvature
<b>Plan</b> 1	<b>Country</b>	<b>Database</b> Access

<b>Location</b> SHL: 493' FNL 1281' FWL BHL: 600' FNL & 500' FWL	<b>MapZone</b>	<b>Lat Long Ref</b>
<b>Site</b>	<b>SurfaceX</b>	<b>Surface Long</b>
<b>Slot Name</b>	<b>SurfaceY</b>	<b>Surface Lat</b>
<b>Well Number</b>	<b>Z Datum</b>	
<b>Project</b>	<b>Surface Z</b>	<b>Ground Level</b>

**DIRECTIONAL WELL PLAN**

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
3350.00	14.50	278.7	3287.01	82.30	-537.84	0.00	544.10			
3400.00	14.50	278.7	3335.42	84.20	-550.22	0.00	556.62			
3450.00	14.50	278.7	3383.83	86.09	-562.59	0.00	569.14			
3500.00	14.50	278.7	3432.23	87.98	-574.97	0.00	581.66			
3550.00	14.50	278.7	3480.64	89.88	-587.34	0.00	594.18			
*** START BUILD (at MD = 3595.00)										
3595.00	14.50	278.7	3524.21	91.58	-598.48	0.00	605.45			
3600.00	14.45	278.7	3529.05	91.77	-599.72	1.00	606.70			
3650.00	13.95	278.7	3577.52	93.62	-611.84	1.00	618.96			
3700.00	13.45	278.7	3626.10	95.42	-623.55	1.00	630.80			
3750.00	12.95	278.7	3674.78	97.14	-634.83	1.00	642.22			
3800.00	12.45	278.7	3723.55	98.81	-645.70	1.00	653.21			
3850.00	11.95	278.7	3772.43	100.40	-656.14	1.00	663.78			
3900.00	11.45	278.7	3821.39	101.94	-666.17	1.00	673.92			
3950.00	10.95	278.7	3870.43	103.41	-675.77	1.00	683.63			
4000.00	10.45	278.7	3919.56	104.81	-684.94	1.00	692.92			
4050.00	9.95	278.7	3968.77	106.15	-693.69	1.00	701.77			
4100.00	9.45	278.7	4018.06	107.42	-702.02	1.00	710.19			
4150.00	8.95	278.7	4067.42	108.63	-709.92	1.00	718.19			
4200.00	8.45	278.7	4116.84	109.78	-717.40	1.00	725.75			
4250.00	7.95	278.7	4166.33	110.86	-724.45	1.00	732.88			
4300.00	7.45	278.7	4215.88	111.87	-731.07	1.00	739.58			
4350.00	6.95	278.7	4265.48	112.82	-737.27	1.00	745.85			
4400.00	6.45	278.7	4315.14	113.70	-743.03	1.00	751.68			
4450.00	5.95	278.7	4364.85	114.52	-748.37	1.00	757.08			
4500.00	5.45	278.7	4414.60	115.27	-753.28	1.00	762.05			
4550.00	4.95	278.7	4464.40	115.95	-757.76	1.00	766.58			
4600.00	4.45	278.7	4514.23	116.57	-761.81	1.00	770.68			
4650.00	3.95	278.7	4564.09	117.13	-765.43	1.00	774.34			
4700.00	3.45	278.7	4613.99	117.62	-768.62	1.00	777.56			
4750.00	2.95	278.7	4663.91	118.04	-771.38	1.00	780.36			
4800.00	2.45	278.7	4713.85	118.39	-773.71	1.00	782.71			
4850.00	1.95	278.7	4763.82	118.68	-775.60	1.00	784.63			
4900.00	1.45	278.7	4813.80	118.91	-777.07	1.00	786.11			
4950.00	0.95	278.7	4863.78	119.07	-778.10	1.00	787.16			

### 18-04, Plan 1

<b>Operator</b>	<b>Units</b> feet, %/100ft	11:29 Thursday, May 02, 2013 Page 4 of 4								
<b>Field</b>	<b>County</b>	<b>Vertical Section Azimuth</b> 278.7								
<b>Well Name</b> 18-04	<b>State</b>	<b>Survey Calculation Method</b> Minimum Curvature								
<b>Plan</b> 1	<b>Country</b>	<b>Database</b> Access								
<b>Location Site</b>	SHL: 493' FNL 1281' FWL BHL: 600' FNL & 500' FWL	<b>MapZone</b>	<b>Lat Long Ref</b>							
<b>Slot Name</b>	<b>UWI</b>	<b>SurfaceX</b>	<b>Surface Long</b>							
<b>Well Number</b>	<b>API</b>	<b>SurfaceY</b>	<b>Surface Lat</b>							
<b>Project</b>		<b>Z Datum</b>								
		<b>Surface Z</b>	<b>Ground Level</b>							
<b>DIRECTIONAL WELL PLAN</b>										
<b>MD*</b>	<b>INC*</b>	<b>AZI*</b>	<b>TVD*</b>	<b>N*</b>	<b>E*</b>	<b>DLS*</b>	<b>V. S.*</b>	<b>MapE*</b>	<b>MapN*</b>	<b>SysTVD*</b>
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
5000.00	0.45	278.7	4913.78	119.16	-778.71	1.00	787.77			
*** END BUILD (at MD = 5045.00)										
5045.00	0.00	0.0	4958.78	119.19	-778.88	1.00	787.95			
5050.00	0.00	0.0	4963.78	119.19	-778.88	0.00	787.95			
5100.00	0.00	0.0	5013.78	119.19	-778.88	0.00	787.95			
5150.00	0.00	0.0	5063.78	119.19	-778.88	0.00	787.95			
5200.00	0.00	0.0	5113.78	119.19	-778.88	0.00	787.95			
5250.00	0.00	0.0	5163.78	119.19	-778.88	0.00	787.95			
5300.00	0.00	0.0	5213.78	119.19	-778.88	0.00	787.95			
5350.00	0.00	0.0	5263.78	119.19	-778.88	0.00	787.95			
5400.00	0.00	0.0	5313.78	119.19	-778.88	0.00	787.95			
5450.00	0.00	0.0	5363.78	119.19	-778.88	0.00	787.95			
5500.00	0.00	0.0	5413.78	119.19	-778.88	0.00	787.95			
5550.00	0.00	0.0	5463.78	119.19	-778.88	0.00	787.95			
5600.00	0.00	0.0	5513.78	119.19	-778.88	0.00	787.95			
5650.00	0.00	0.0	5563.78	119.19	-778.88	0.00	787.95			
5700.00	0.00	0.0	5613.78	119.19	-778.88	0.00	787.95			
5750.00	0.00	0.0	5663.78	119.19	-778.88	0.00	787.95			
5800.00	0.00	0.0	5713.78	119.19	-778.88	0.00	787.95			
5850.00	0.00	0.0	5763.78	119.19	-778.88	0.00	787.95			
5900.00	0.00	0.0	5813.78	119.19	-778.88	0.00	787.95			
5950.00	0.00	0.0	5863.78	119.19	-778.88	0.00	787.95			
6000.00	0.00	0.0	5913.78	119.19	-778.88	0.00	787.95			
6050.00	0.00	0.0	5963.78	119.19	-778.88	0.00	787.95			
6100.00	0.00	0.0	6013.78	119.19	-778.88	0.00	787.95			
6150.00	0.00	0.0	6063.78	119.19	-778.88	0.00	787.95			
6200.00	0.00	0.0	6113.78	119.19	-778.88	0.00	787.95			
*** RTD (at MD = 6241.00)										
6241.00	0.00	0.0	6154.78	119.19	-778.88	0.00	787.95			

T5S, R3W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

Well location, UTE TRIBAL #18-04, located as shown in the NE 1/4 NW 1/4 of Section 18, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

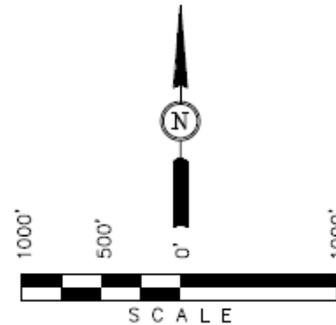
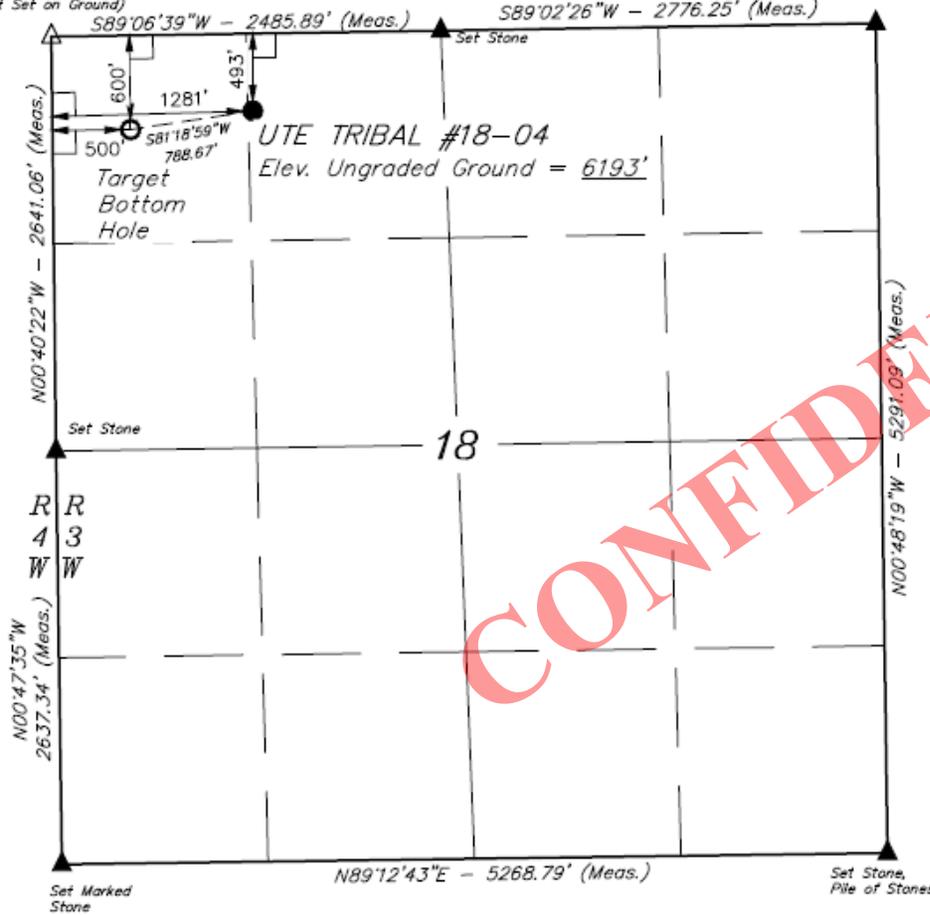
BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

Position Re-Established  
Used Bearing Tree  
Information  
(Not Set on Ground)

Set Marked  
Stone, Pile  
of Stones



CERTIFICATE

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

REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH  
 04-08513

REV.: 04-08-13 A.T.

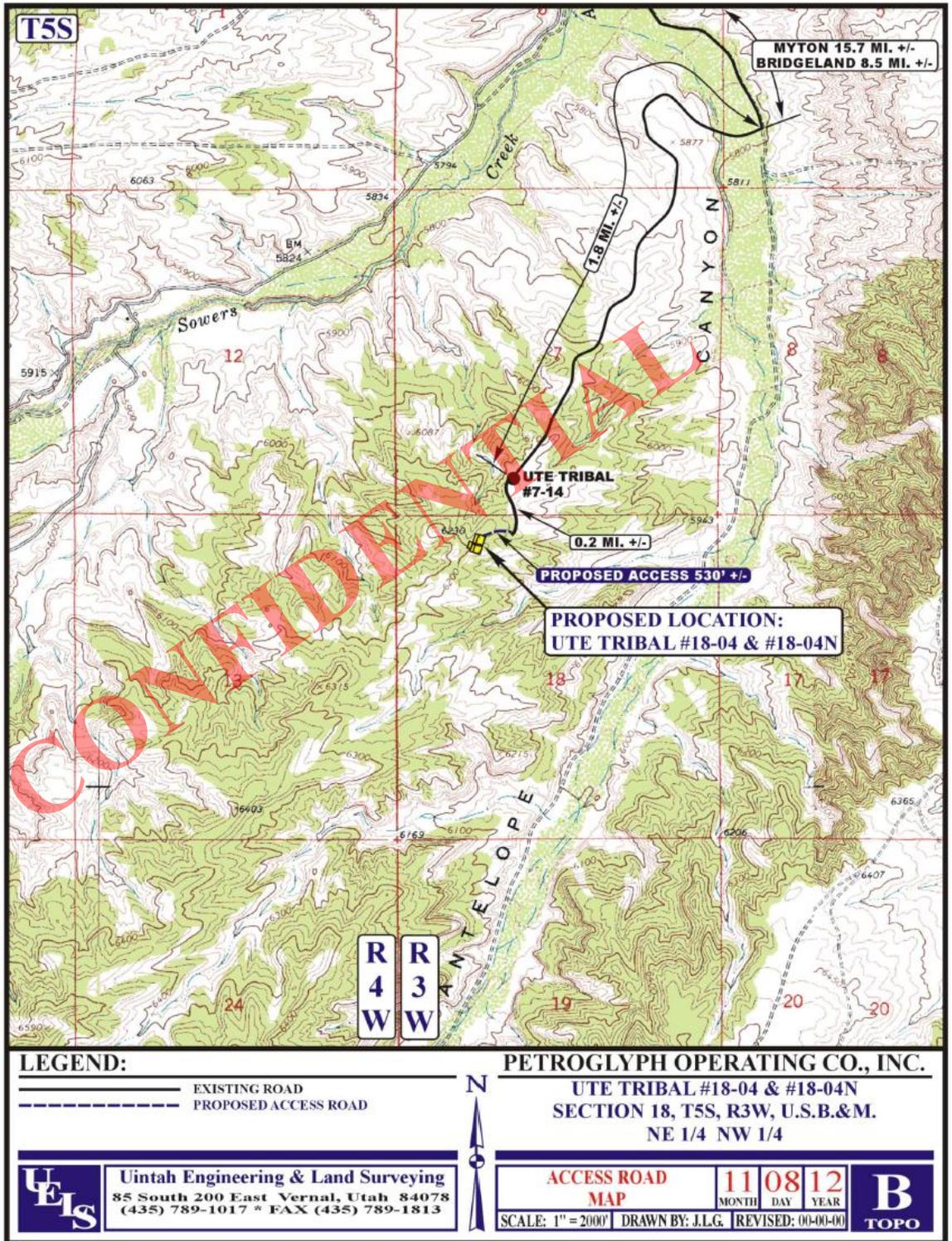
UNTAH ENGINEERING & LAND SURVEYING  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°03'07.75" (40.052153)	LATITUDE = 40°03'08.82" (40.052450)
LONGITUDE = 110°16'23.57" (110.273214)	LONGITUDE = 110°16'13.53" (110.270425)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°03'07.89" (40.052192)	LATITUDE = 40°03'08.96" (40.052489)
LONGITUDE = 110°16'21.02" (110.272506)	LONGITUDE = 110°16'10.98" (110.269717)

SCALE 1" = 1000'	DATE SURVEYED: 10-17-12	DATE DRAWN: 11-08-12
PARTY J.C. M.M. B.L.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE PETROGLYPH OPERATING CO., INC.	



**PETROGLYPH OPERATING CO., INC.**  
**P.O. BOX 607**  
**ROOSEVELT, UTAH 84066**

June 3, 2013

Ms. Diana Mason  
State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

Re: Directional Drilling R649-3-11

Ute Tribal 18-04:                    493' FNL & 1281' FWL, NE/NW, (Surface Hole)  
   600' FNL & 500' FWL, NW/NW, (Bottom Hole)  
   Sec. 18, T5S, R3W, U.S.B.&M.,  
   Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.'s Application for Permit to Drill regarding the above referenced well on June 3, 2013, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Ute Tribal 18-04 is located within the Antelope Creek Unit Area.
- Petroglyph Operating Co., Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and drilling directionally from this location, Petroglyph Operating Co., Inc. will be able to utilize the existing road and pipelines in the area.
- Furthermore, Petroglyph Operating Co., Inc. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information, Petroglyph Operating Co., Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully Submitted,

Ed Trotter,  
Agent  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420  
E-mail: edtrotter@easilink.com

**Certification**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 18-04 Well, located in the NE/NW of Section 18, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3513**; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #LPM4138335.

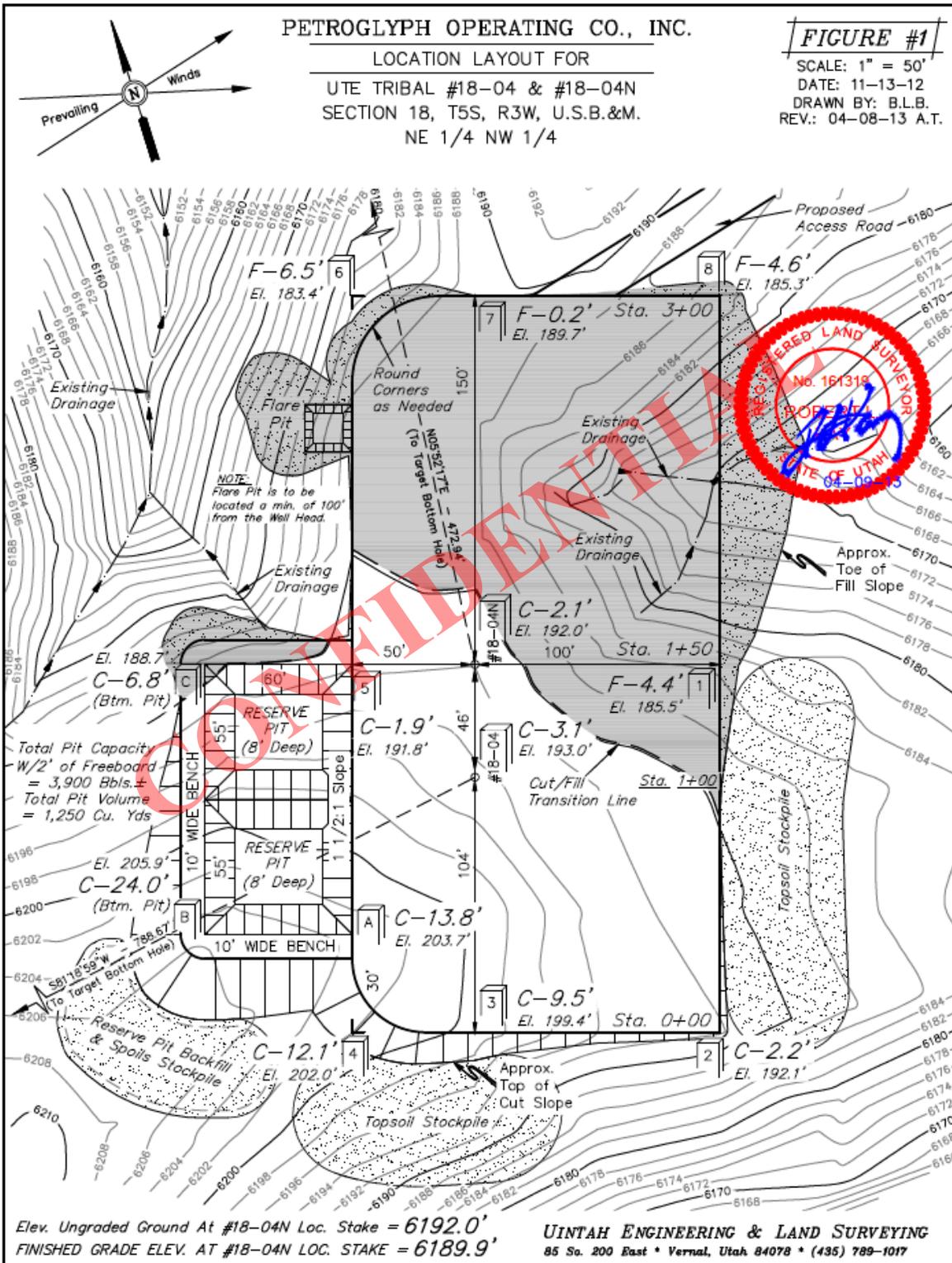
\_\_\_\_\_

Date

\_\_\_\_\_

Ed Trotter, as Agent for  
Petroglyph Operating Co., Inc.

CONFIDENTIAL





## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/3/2013

API NO. ASSIGNED: 43013522190000

WELL NAME: Ute Tribal 18-04

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: NENW 18 050S 030W

Permit Tech Review: 

SURFACE: 0493 FNL 1281 FWL

Engineering Review: 

BOTTOM: 0600 FNL 0500 FWL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.05241

LONGITUDE: -110.27054

UTM SURF EASTINGS: 562219.00

NORTHINGS: 4433829.00

FIELD NAME: ANTELOPE CREEK

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420H623513

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - LPM4138336
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-8342
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit: ANTELOPE CREEK
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 214-2
- Effective Date: 6/9/2000
- Siting: Suspends General Siting
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason  
15 - Directional - 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 18-04  
**API Well Number:** 43013522190000  
**Lease Number:** 1420H623513  
**Surface Owner:** INDIAN  
**Approval Date:** 6/12/2013

### Issued to:

PETROGLYPH OPERATING CO, 960 Broadway Avenue, Ste 500, Boise, ID 83703

### 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 Cause 214-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

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

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

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

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.

### 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:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H623513
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 In
		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Ute Tribal 18-04	
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013522190000	
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7685 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0493 FNL 1281 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 18 Township: 05.0S Range: 03.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/4/2013  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
This well was spud on 09/04/2013 at approximately 10:00 A.M. Using a Bucket Rig (BR 2) provided by Craig's Roustabout Service-Vernal UT, we set 60' of 16" Conductor. For additional information contact our staff at 435-722-2531.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 06, 2013</b>
<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/5/2013	

RECEIVED

JUN 27 2013

Form 3160-3 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

BLM

FORM APPROVED OMB No. 1004-0136 Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. 1420H623513
6. If Indian, Allottee or Tribe Name UINTAH AND OURAY
7. If Unit or CA Agreement, Name and No. 1420H624650
8. Lease Name and Well No. UTE TRIBAL 18-04
9. API Well No. 4301352219
10. Field and Pool, or Exploratory ANTELOPE CREEK
11. Sec., T., R., M., or Blk. and Survey or Area Sec 18 T5S R3W Mer UBM SME: BIA
12. County or Parish DUCHESNE 13. State UT
17. Spacing Unit dedicated to this well
20. BLM/BIA Bond No. on file LPM4138335
23. Estimated duration 45 DAYS

1a. Type of Work: [X] DRILL [ ] REENTER
1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone
2. Name of Operator PETROGLYPH OPERATING CO INC Contact: ED H TROTTER
3a. Address ROOSEVELT, UT 84066
3b. Phone No. (include area code) Ph: 435-789-4120
4. Location of Well (Report location clearly and in accordance with any State requirements.\*)
14. Distance in miles and direction from nearest town or post office\* 17.8 MILES SOUTHWEST OF MYTON, UTAH
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 493
16. No. of Acres in Lease
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 723
19. Proposed Depth 6241 MD 6154 TVD
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6190 GL
22. Approximate date work will start 08/15/2013

CONFIDENTIAL

24. Attachments

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

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

25. Signature (Electronic Submission) Name (Printed/Typed) LESTER FARNSWORTH Ph: 435-722-2531 Date 06/06/2013
Title DISTRICT MANAGER
Approved by (Signature) Name (Printed/Typed) Jerry Kenczka Date AUG 20 2013
Title Assistant Field Manager Lands & Mineral Resources Office VERNAL FIELD OFFICE

Application approval does not warrant or certify 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 RECEIVED AUG 30 2013

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.

Additional Operator Remarks (see next page)

Electronic Submission #209971 verified by the BLM Well Information System For PETROGLYPH OPERATING CO INC, sent to the Vernal Committed to AFMSS for processing by JOHNETTA MAGEE on 07/01/2013 (13JM108)

DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

\*\* BLM REVISED \*\*

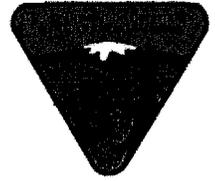


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

**Company:** PETROGLYPH OPERATION CO INC  
**Well No:** UTE TRIBAL 18-04  
**API No:** 43-013-52219

**NENW**  
**Lease No:**  
**Agreement:**

**NENW, Sec. 18, T5S, R3W**  
**14-20-H62-3513**  
**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)***

- All permanent structures will be painted beetle green and all flow lines will be painted covert green.
- Ute Tribal 16-03C: The toe of corner # 2 will be kept out of the existing drainage.
- Ute Tribal 18-04 and Ute Tribal 18-04N: The topsoil will be moved from corner #4 to be between corners #6 and #8. Corner #8 will be rounded.
- Ute Tribal 20-04, Ute Tribal 20-04A, and Ute Tribal 20-04E: Corner #8 will be rounded to reduce cut.
- Ute Tribal 20-05: The entire well pad will be moved 30 feet east to stay out of the tree line.
- Ute Tribal 20-08: Corners #8 and #6 will be rounded. Corner #6 will be rounded at least 15 feet to avoid drainage.
- Ute Tribal 20-10: There will be no storage tanks at corner #2. Corner #4 will be rounded to reduce fill. A low water crossing will be installed on the proposed access road at the existing drainage.
- Ute Tribal 20-14O: No tanks will be stored on corner #2 and the corner will be rounded to reduce fill.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Cement for the production casing will be brought to a minimum of 200 feet above the surface casing shoe.
- A CBL shall be run in the production casing to from PBTD to TOC.
- Variances to OO2, Section III.E shall be granted as requested regarding the air drilling program for the surface hole.

**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 (¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H623513
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 In
		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Ute Tribal 18-04	
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013522190000	
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7685 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0493 FNL 1281 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 18 Township: 05.0S Range: 03.0W Meridian: U	<b>COUNTY:</b> DUCHESNE	
	<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/11/2013  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>This well has been Plugged and Abandoned. We well was drilled to a TD of 60' and a 16" Conductor was set and cemented. We filled the conductor with Construction Grade Cement and cut off 3' below ground. A cover plate was welded on and the 3' hole was backfilled. This work was witnessed by Morgan Whitting with BLM-Vernal. Location cannot be reclaimed at this time due to other producing wells being drilled on the same location.</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 19, 2013</b></p>		
<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/19/2013	

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3513
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
2. NAME OF OPERATOR: Petroglyph Operating Company, Inc.		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		8. WELL NAME and NUMBER: Ute Tribal 18-04
PHONE NUMBER: (435) 722-2531		9. API NUMBER: 4301352219
4. LOCATION OF WELL (FOOTAGES): AT SURFACE: 493' FNL, 1281' FWL  AT TOP PRODUCING INTERVAL REPORTED BELOW: N/A  AT TOTAL DEPTH: N/A		10. FIELD AND POOL, OR WILDCAT: Antelope Creek
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 18 5S 3W U		12. COUNTY: Duchesne
		13. STATE: UTAH

14. DATE SPUDDED: 9/4/2013	15. DATE T.D. REACHED: 9/4/2013	16. DATE COMPLETED: ABANDONED <input checked="" type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 6190' GL
18. TOTAL DEPTH: MD 60 TVD 60	19. PLUG BACK T.D.: MD 0 TVD 0	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): None		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 J-55	75	-3	60				-3	3

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS					27. PERFORATION RECORD			
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO HOLES	PERFORATION STATUS
(A) NA								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
NA	

29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input checked="" type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____ <input type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS:  <b>PA</b>
---	-----------------------------------

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

NA

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc	Name	Top (Measured Depth)

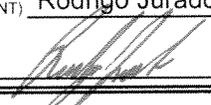
35. ADDITIONAL REMARKS (Include plugging procedure)

This well was plugged and abandoned. We plan to skid the rig 20' closer to Ute Tribal 18-04N and drill the Ute Tribal 18-04X.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Rodrigo Jurado

TITLE Regulatory Compliance Specialist

SIGNATURE 

DATE 9/19/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<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> 1420H623513
---	--

<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 In  <b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
--	--

<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Ute Tribal 18-04
------------------------------------	---

<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013522190000
--	---

<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7685 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
---	--	--

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0493 FNL 1281 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 18 Township: 05.0S Range: 03.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>9/6/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Rig Skid"/>

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

We intend to skid this rig 20' closer the Ute Tribal 18-04N. Existing 60' of hole will be filled with cement to 5' below ground level and cut off.  
 New well will be named Ute Tribal 18-04X.

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

**Date:** November 05, 2013

**By:** *Derek Quist*

<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/5/2013	

**PETROGLYPH OPERATING CO., INC.**  
**UTE TRIBAL #18-04X & #18-04N**  
LOCATED IN DUCHESNE COUNTY, UTAH  
SECTION 18, T5S, R3W, U.S.B.&M.



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE**

**CAMERA ANGLE: SOUTHEASTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

**CAMERA ANGLE: WESTERLY**



- Since 1964 -

**U&LS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**LOCATION PHOTOS**

**11** | **08** | **12**  
MONTH | DAY | YEAR

**PHOTO**

TAKEN BY: J.C.

DRAWN BY: J.L.G.

REV: 09-06-13 S.O.

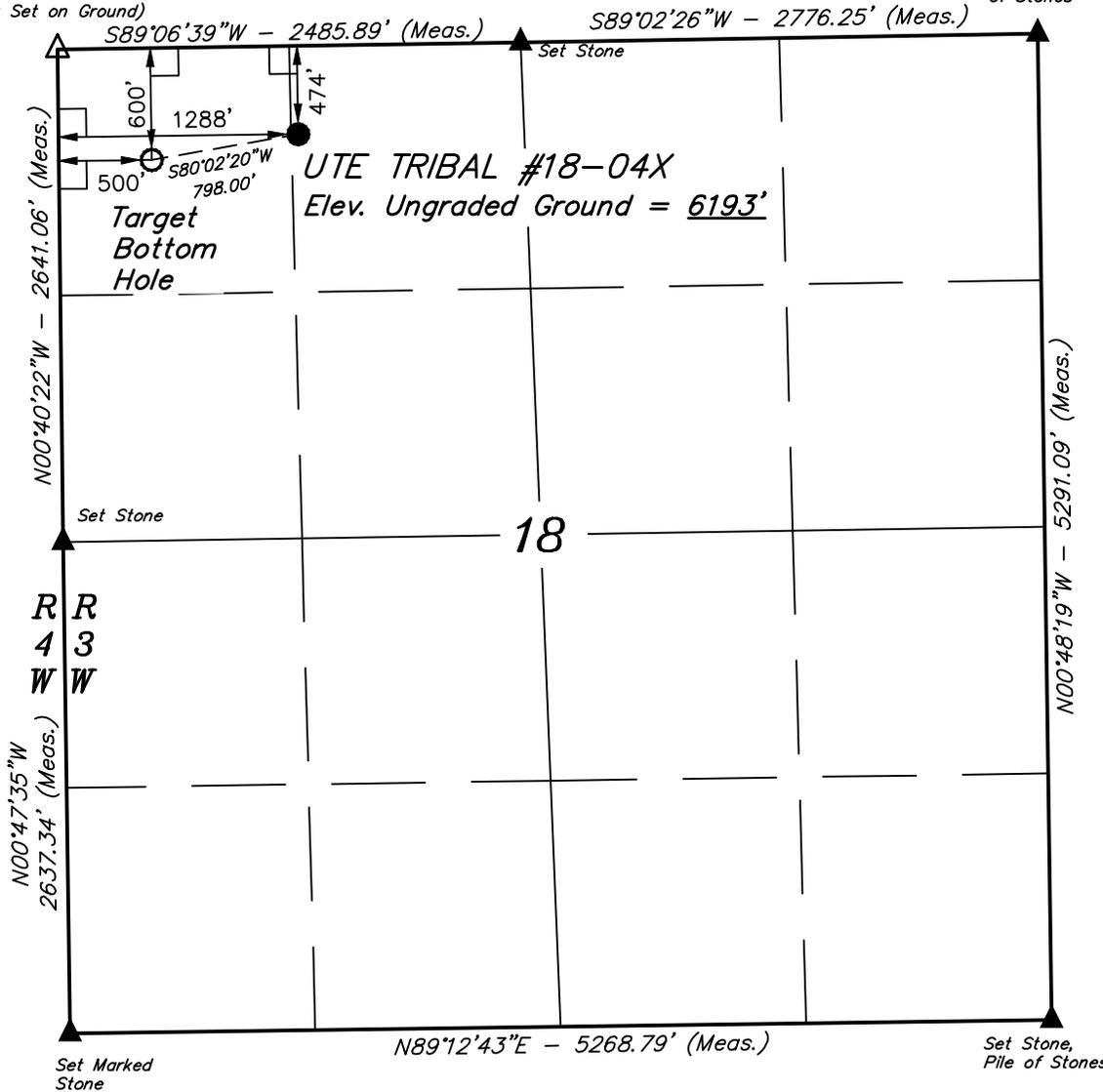
# T5S, R3W, U.S.B.&M.

## PETROGLYPH OPERATING CO., INC.

Well location, UTE TRIBAL #18-04X, located as shown in the NE 1/4 NW 1/4 of Section 18, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

Position Re-Established  
Used Bearing Tree  
Information  
(Not Set on Ground)

Set Marked  
Stone, Pile  
of Stones

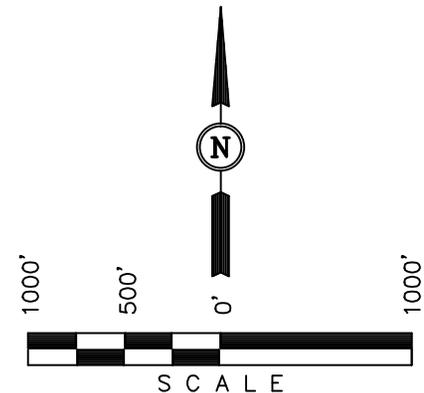


### BASIS OF ELEVATION

BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



### CERTIFICATE

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

*Robert K. V.*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REV.: 09-05-13 C.A.G.  
 REV.: 04-08-13 A.T.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°03'07.75" (40.052153)	LATITUDE = 40°03'09.01" (40.052503)
LONGITUDE = 110°16'23.57" (110.273214)	LONGITUDE = 110°16'13.44" (110.270400)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°03'07.89" (40.052192)	LATITUDE = 40°03'09.15" (40.052542)
LONGITUDE = 110°16'21.02" (110.272506)	LONGITUDE = 110°16'10.89" (110.269692)

SCALE 1" = 1000'	DATE SURVEYED: 10-17-12	DATE DRAWN: 11-08-12
PARTY J.C. M.M. B.L.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE PETROGLYPH OPERATING CO., INC.	



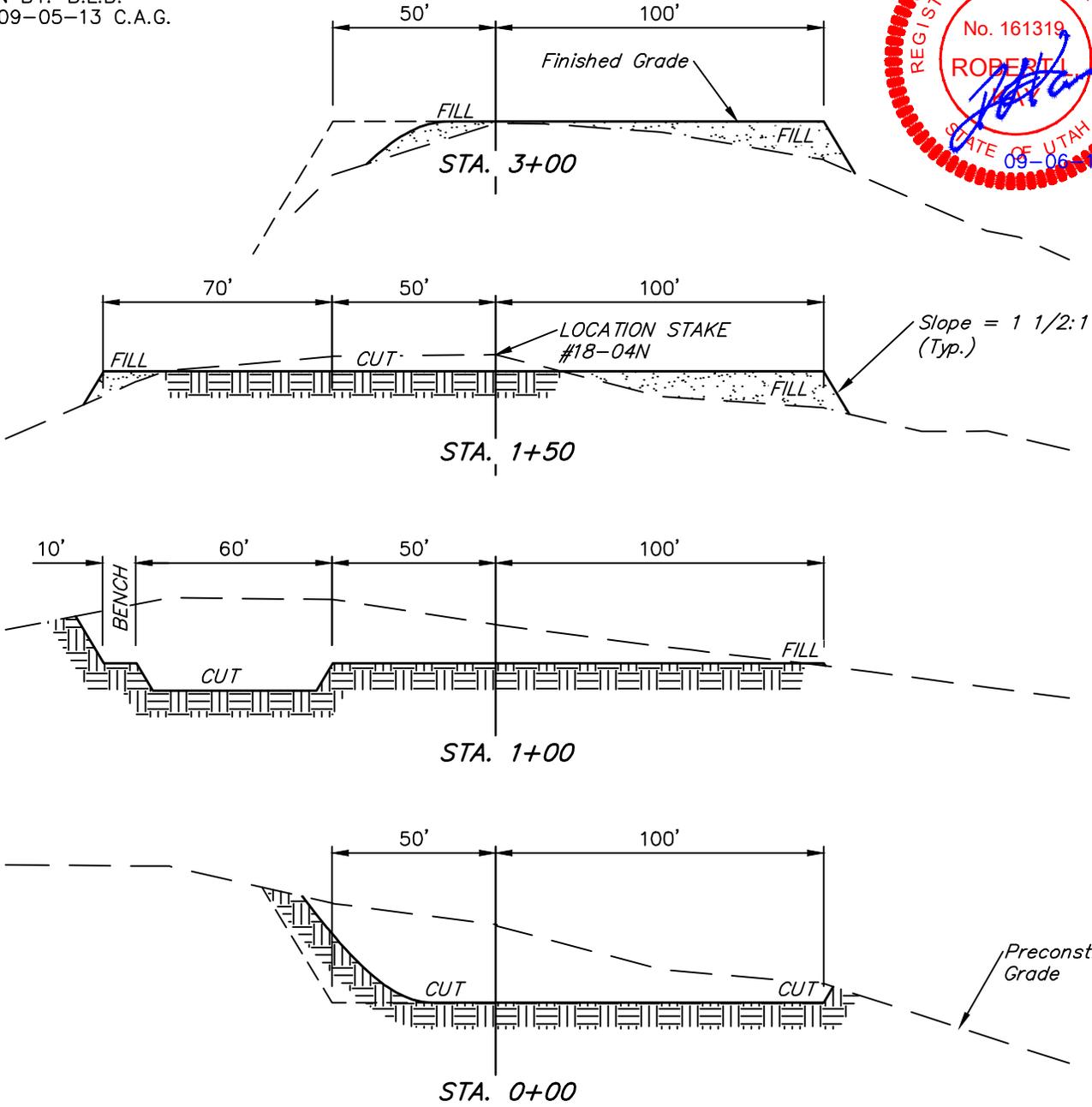
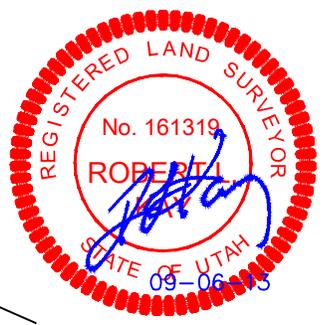
**PETROGLYPH OPERATING CO., INC.**

**FIGURE #2**

X-Section Scale  
1" = 50'

TYPICAL CROSS SECTIONS FOR  
UTE TRIBAL #18-04X & #18-04N  
SECTION 18, T5S, R3W, U.S.B.&M.  
NE 1/4 NW 1/4

DATE: 11-13-12  
DRAWN BY: B.L.B.  
REV.: 09-05-13 C.A.G.



**NOTE:**  
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

**APPROXIMATE ACREAGES**  
WELL SITE DISTURBANCE = ± 2.775 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.313 ACRES  
PIPELINE DISTURBANCE = ± 0.368 ACRES  
TOTAL = ± 3.456 ACRES

**\* NOTE:**  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(12") Topsoil Stripping	= 2,450 Cu. Yds.
Remaining Location	= 7,440 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,890 CU.YDS.</b>
<b>FILL</b>	<b>= 6,810 CU.YDS.</b>

EXCESS MATERIAL	= 3,080 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,080 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

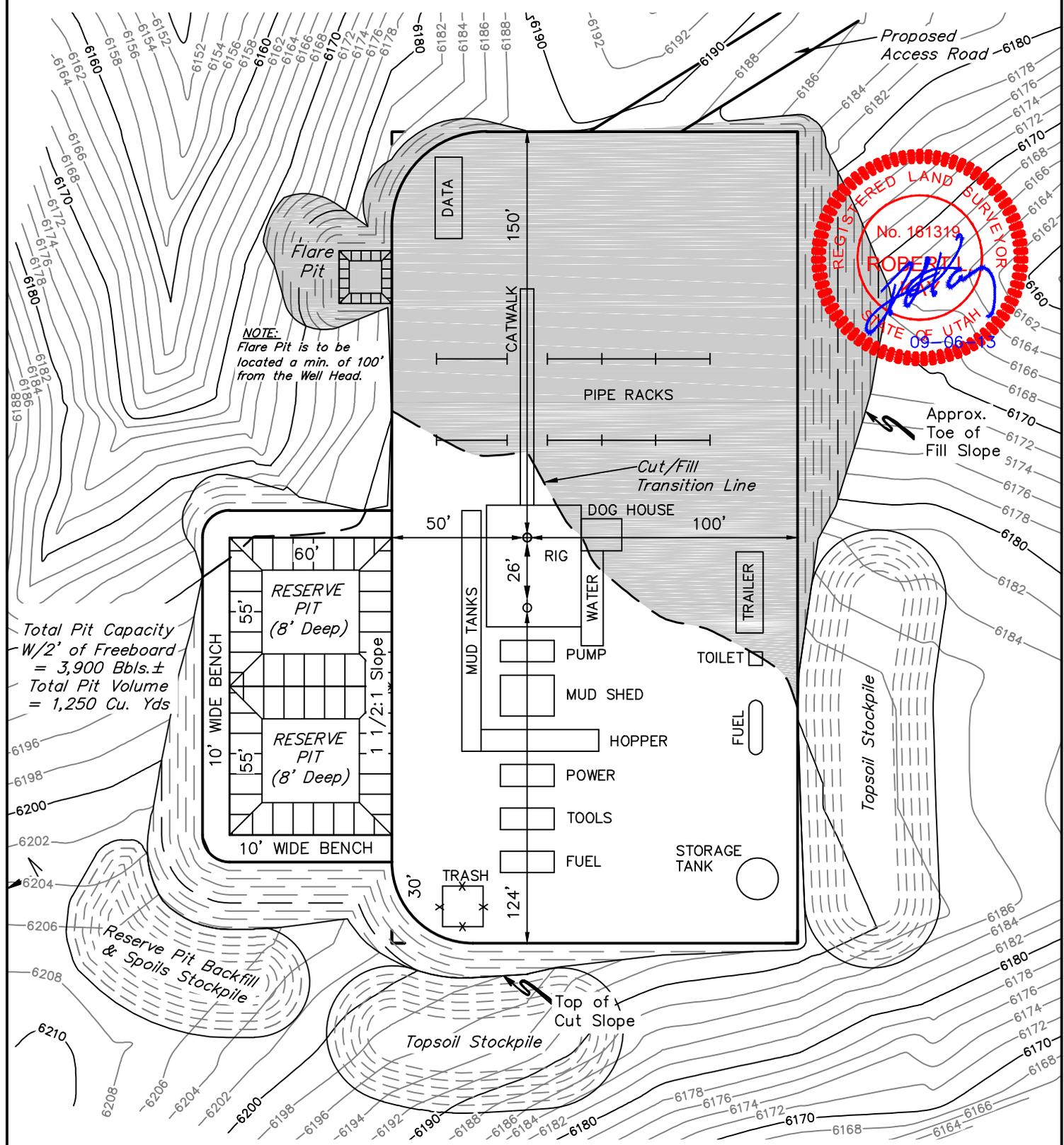
**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# PETROGLYPH OPERATING CO., INC.

## TYPICAL RIG LAYOUT FOR UTE TRIBAL #18-04X & #18-04N SECTION 18, T5S, R3W, U.S.B.&M. NE 1/4 NW 1/4

**FIGURE #3**

SCALE: 1" = 50'  
DATE: 11-13-12  
DRAWN BY: B.L.B.  
REV.: 04-08-13 A.T.  
REV.: 09-05-13 C.A.G.



**NOTE:**  
Flare Pit is to be located a min. of 100' from the Well Head.

Total Pit Capacity  
W/2' of Freeboard  
= 3,900 Bbls. ±  
Total Pit Volume  
= 1,250 Cu. Yds

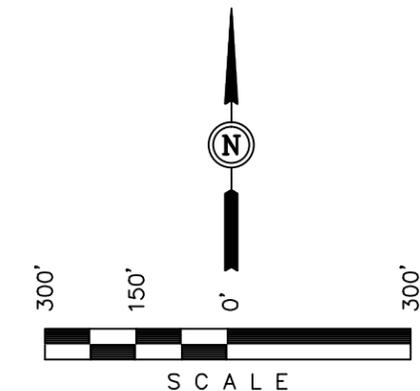


PETROGLYPH OPERATING CO., INC.

**LOCATION SURFACE USE AREA  
& ROAD RIGHT-OF-WAY ON  
UTE TRIBAL LANDS**

(For UTE TRIBAL #18-04X & #18-04N)

LOCATED IN  
SECTION 18, T5S, R3W, U.S.B.&M.,  
DUCHESNE COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**RIGHT-OF-WAY LENGTHS**

PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	454.94	0.313	27.57

**CERTIFICATE**

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REV.: 09-05-13 C.A.G.  
REV.: 04-08-13 A.T.

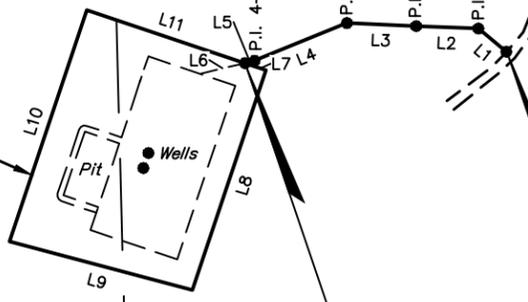
**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH - 200 EAST • (435) 789-1017  
VERNAL, UTAH - 84078

SCALE 1" = 300'	DATE 11-14-12
PARTY J.C. M.M. B.L.B.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 5 3 1 7 4

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N50°38'04"W	59.35'
L2	N87°43'57"W	102.03'
L3	N87°30'12"W	113.68'
L4	S67°52'39"W	163.52'
L5	S76°25'38"W	16.36'
L6	S76°25'38"W	75.28'
L7	S71°30'23"E	36.23'
L8	S18°29'37"W	380.00'
L9	N75°11'52"W	310.64'
L10	N18°29'37"E	400.00'
L11	S71°30'23"E	273.77'

S89°02'26"W  
2776.25' (Meas.)  
Set Stone  
NE Cor. Sec. 18  
Set Marked  
Stone, Pile  
of Stones

S89°06'39"W - 2485.89' (Meas.)  
Section Line



P.I. 4+38.58  
P.I. 2+75.07  
P.I. 1+61.38  
P.I. 0+59.35

BEGINNING OF PROPOSED  
ROAD RIGHT-OF-WAY  
STA. 0+00  
(At Existing Road)

END OF PROPOSED ROAD  
RIGHT-OF-WAY  
STA. 4+54.94  
(At Edge of Surface Use Area)

Ute  
Tribal

Ute  
Tribal

SURFACE USE AREA  
UTE TRIBAL #18-04X & #18-04N  
Contains 2.775 Acres

R  
4  
W  
R  
3  
W

N00°40'22"W - 2641.06' (Meas.)  
Section Line

1/16 Section Line

NW 1/4

NE 1/4

**ROAD RIGHT-OF-WAY DESCRIPTION**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.  
BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 18, T5S, R3W, U.S.B.&M. WHICH BEARS S63°09'41"W 668.97' FROM THE NORTH 1/4 CORNER OF SAID SECTION 18, THENCE N50°38'04"W 59.35'; THENCE N87°43'57"W 102.03'; THENCE N87°30'12"W 113.68'; THENCE S67°52'39"W 163.52'; THENCE S76°25'38"W 16.36' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 18 WHICH BEARS S72°37'55"W 1074.71' FROM THE NORTH 1/4 CORNER OF SAID SECTION 18. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.313 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS S63°09'41"W 668.97' FROM THE NORTH 1/4 CORNER OF SECTION 18, T5S, R3W, U.S.B.&M.  
END OF ROAD STA. 4+54.94 BEARS S72°37'55"W 1074.71' FROM THE NORTH 1/4 CORNER OF SECTION 18, T5S, R3W, U.S.B.&M.

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 18, T5S, R3W, U.S.B.&M. WHICH BEARS S72°37'55"W 1074.71' FROM THE NORTH 1/4 CORNER OF SAID SECTION 18, THENCE S71°30'23"E 36.23'; THENCE S18°29'37"W 380.00'; THENCE N75°11'52"W 310.64'; THENCE N18°29'37"E 400.00'; THENCE S71°30'23"E 273.77' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.775 ACRES MORE OR LESS.

1/4 Section Line Sec. 18

Set Stone  
N00°47'35"W  
2637.34' (Meas.)  
SW Cor. Sec. 18  
Set Marked  
Stone

▲ = SECTION CORNERS LOCATED.

PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #18-04X & #18-04N  
SURFACE USE AREA & ROAD RIGHT-OF-WAY  
SECTION 18, T5S, R3W, U.S.B.&M.

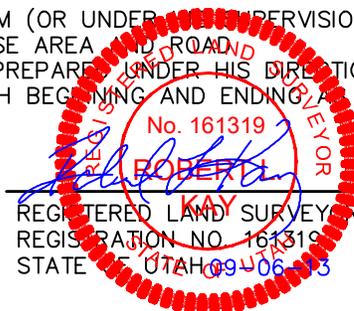
TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 454.94' OR 0.086 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 0.313 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH )  
COUNTY OF UINTAH ) SS

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR PETROGLYPH OPERATING CO., INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE SURFACE USE AREA AND ROAD RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, 0.086 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2013.

MY COMMISSION EXPIRES \_\_\_\_\_.

NOTARY PUBLIC  
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, ED TROTTER, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC. HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, 0.086 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 4+54.94, THAT SAID SURFACE USE AREA AND ROAD RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

\_\_\_\_\_  
APPLICANT

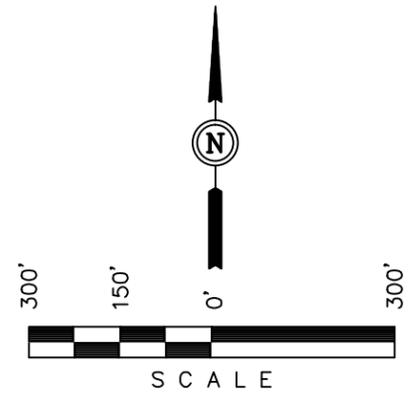
\_\_\_\_\_  
TITLE  
RECEIVED: Sep. 06, 2013

**PETROGLYPH OPERATING CO., INC.**  
**PIPELINE RIGHT-OF-WAY ON**  
**UTE TRIBAL LANDS**

(For UTE TRIBAL #18-04X & #18-04N)

LOCATED IN  
 SECTION 18, T5S, R3W, U.S.B.&M.,  
 DUCHESNE COUNTY, UTAH

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N70°27'34"E	64.88'
L2	N70°27'34"E	48.37'
L3	N68°17'00"E	168.02'
L4	S87°49'32"E	128.97'
L5	S86°19'12"E	98.82'
L6	S49°37'36"E	89.94'



BASIS OF BEARINGS

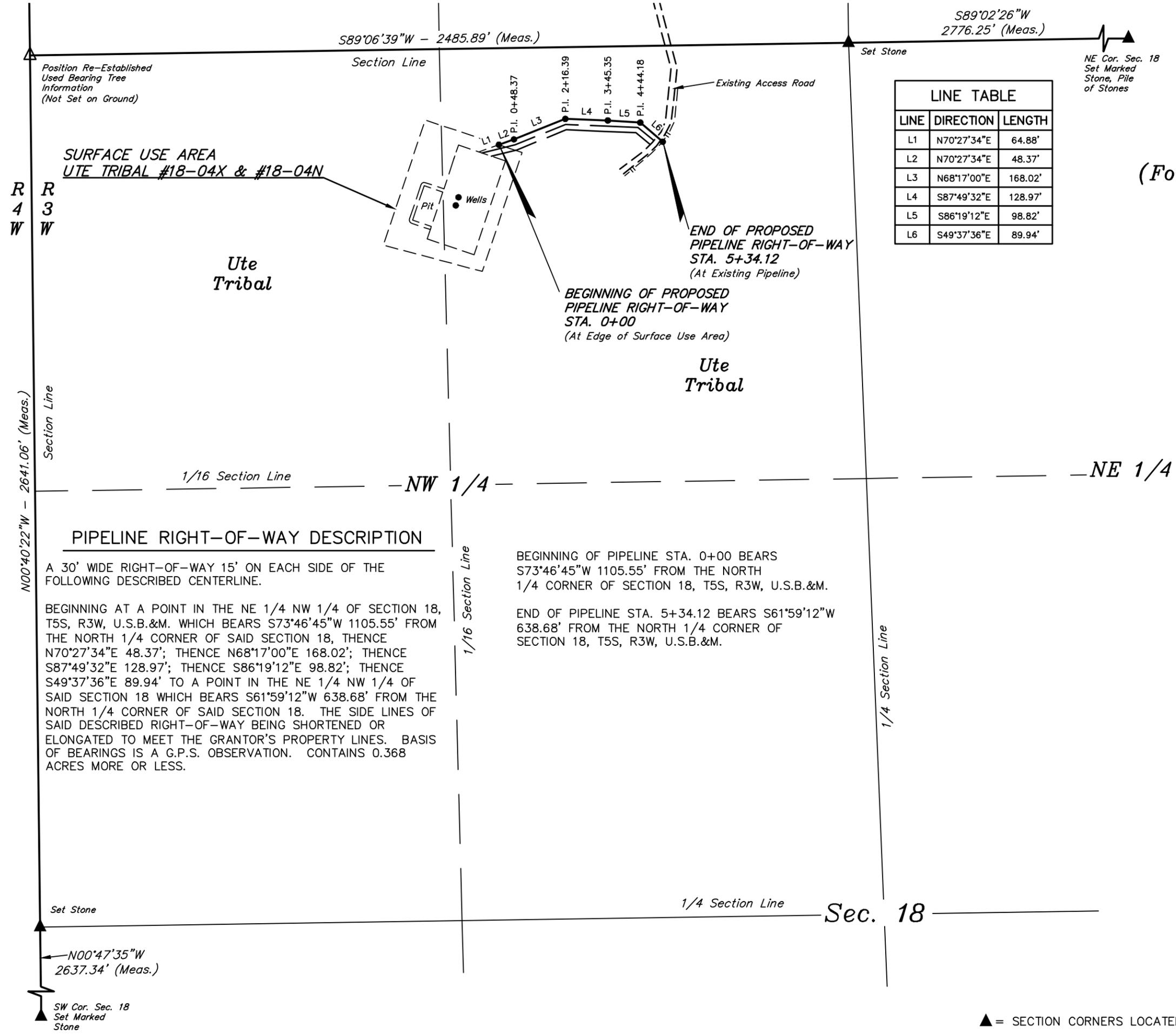
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	534.12	0.368	32.37

CERTIFICATE  
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY  
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO  
 THE BEST OF MY KNOWLEDGE AND BELIEF.  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH  
 09-06-13

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH - 200 EAST • (435) 789-1017  
 VERNAL, UTAH - 84078

SCALE 1" = 300'	DATE 11-14-12
PARTY J.C. M.M. B.L.B.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 5 3 1 7 5



**PIPELINE RIGHT-OF-WAY DESCRIPTION**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.  
 BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 18, T5S, R3W, U.S.B.&M. WHICH BEARS S73°46'45"W 1105.55' FROM THE NORTH 1/4 CORNER OF SAID SECTION 18, THENCE N70°27'34"E 48.37'; THENCE N68°17'00"E 168.02'; THENCE S87°49'32"E 128.97'; THENCE S86°19'12"E 98.82'; THENCE S49°37'36"E 89.94' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 18 WHICH BEARS S61°59'12"W 638.68' FROM THE NORTH 1/4 CORNER OF SAID SECTION 18. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.368 ACRES MORE OR LESS.

BEGINNING OF PIPELINE STA. 0+00 BEARS S73°46'45"W 1105.55' FROM THE NORTH 1/4 CORNER OF SECTION 18, T5S, R3W, U.S.B.&M.  
 END OF PIPELINE STA. 5+34.12 BEARS S61°59'12"W 638.68' FROM THE NORTH 1/4 CORNER OF SECTION 18, T5S, R3W, U.S.B.&M.

▲ = SECTION CORNERS LOCATED.

*PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #18-04X & #18-04N  
PIPELINE RIGHT-OF-WAY  
SECTION 18, T5S, R3W, U.S.B.&M.*

TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 534.12' OR 0.101 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 0.368 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH        )  
                          ) SS  
COUNTY OF UINTAH )

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR PETROGLYPH OPERATING CO., INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE PIPELINE RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, 0.101 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH 09-06-13

ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2013.

MY COMMISSION EXPIRES \_\_\_\_\_.

NOTARY PUBLIC  
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, ED TROTTER, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC. HERINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS PIPELINE RIGHT-OF-WAY, 0.101 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 5+34.12, THAT SAID PIPELINE RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

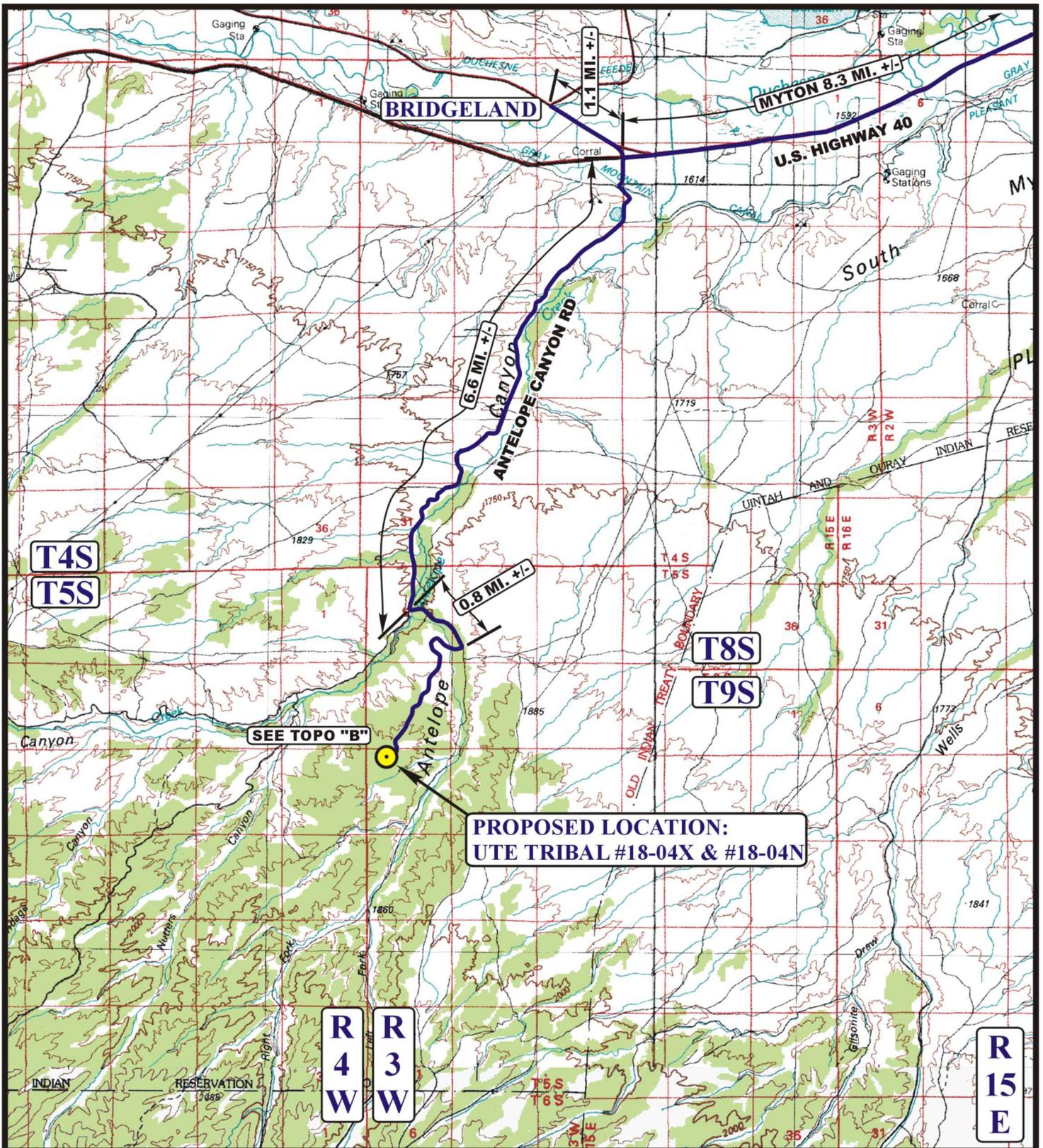
\_\_\_\_\_  
APPLICANT

TITLE  
RECEIVED: Sep. 06, 2013

**PETROGLYPH OPERATING CO., INC.**  
**UTE TRIBAL #18-04X & #18-04N**  
**SECTION 18, T5S, R3W, U.S.B.&M.**

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 8.3 MILES TO THE JUNCTION OF THIS ROAD AND ANTELOPE CANYON ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING LOCATION UTE TRIBAL #7-14 AND AN EXISTING ROAD TO THE TO THE EAST; PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 530' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 17.8 MILES.



**PROPOSED LOCATION:  
UTE TRIBAL #18-04X & #18-04N**

**LEGEND:**

 **PROPOSED LOCATION**



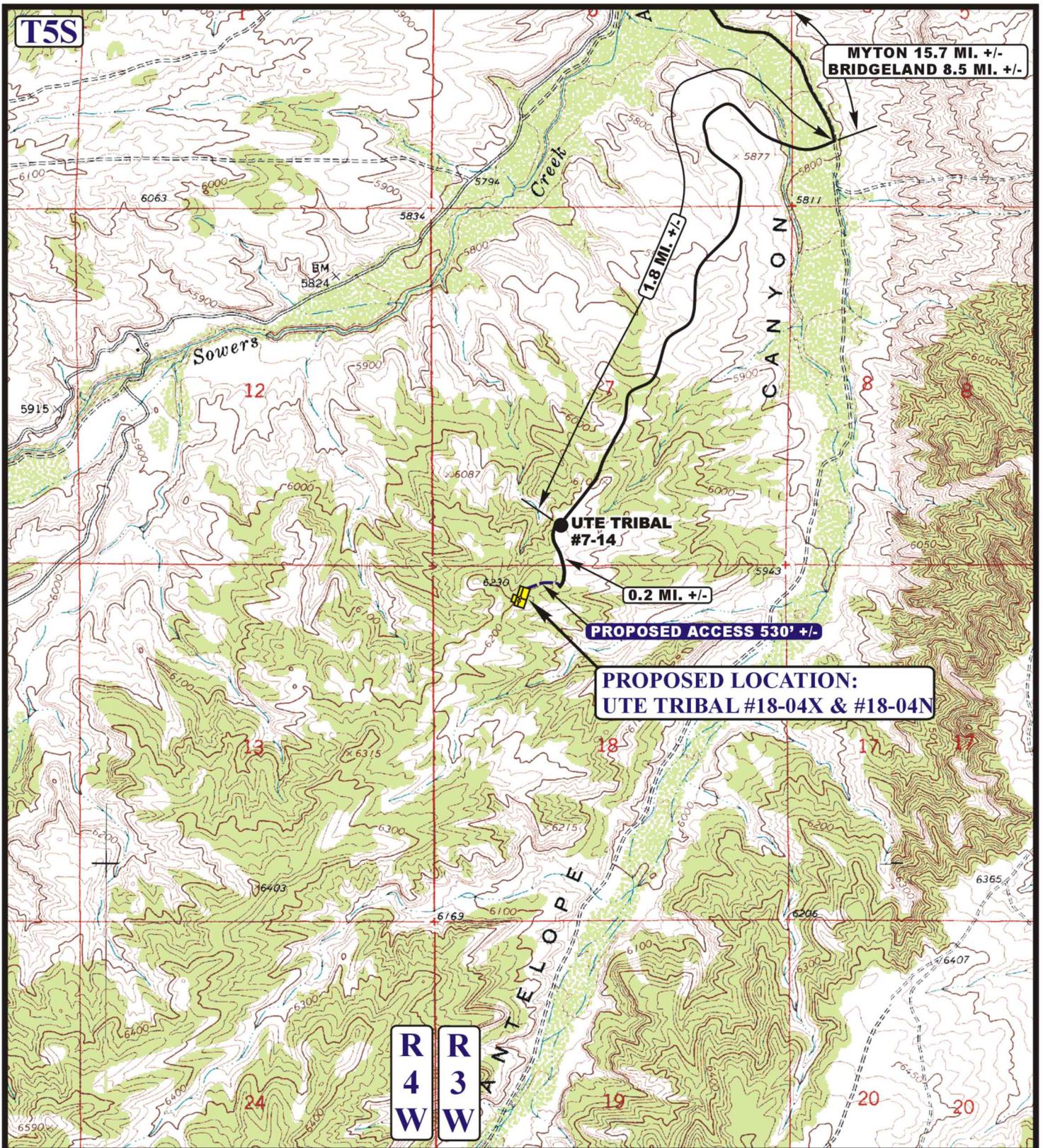
**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #18-04X & #18-04N  
SECTION 18, T5S, R3W, U.S.B.&M.  
NE 1/4 NW 1/4**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

<b>ACCESS ROAD MAP</b>	<b>11</b>	<b>08</b>	<b>12</b>	<b>A TOPO</b>
	MONTH	DAY	YEAR	
SCALE: 1:100,000		DRAWN BY: J.L.G.		REV: 09-06-13 S.O.



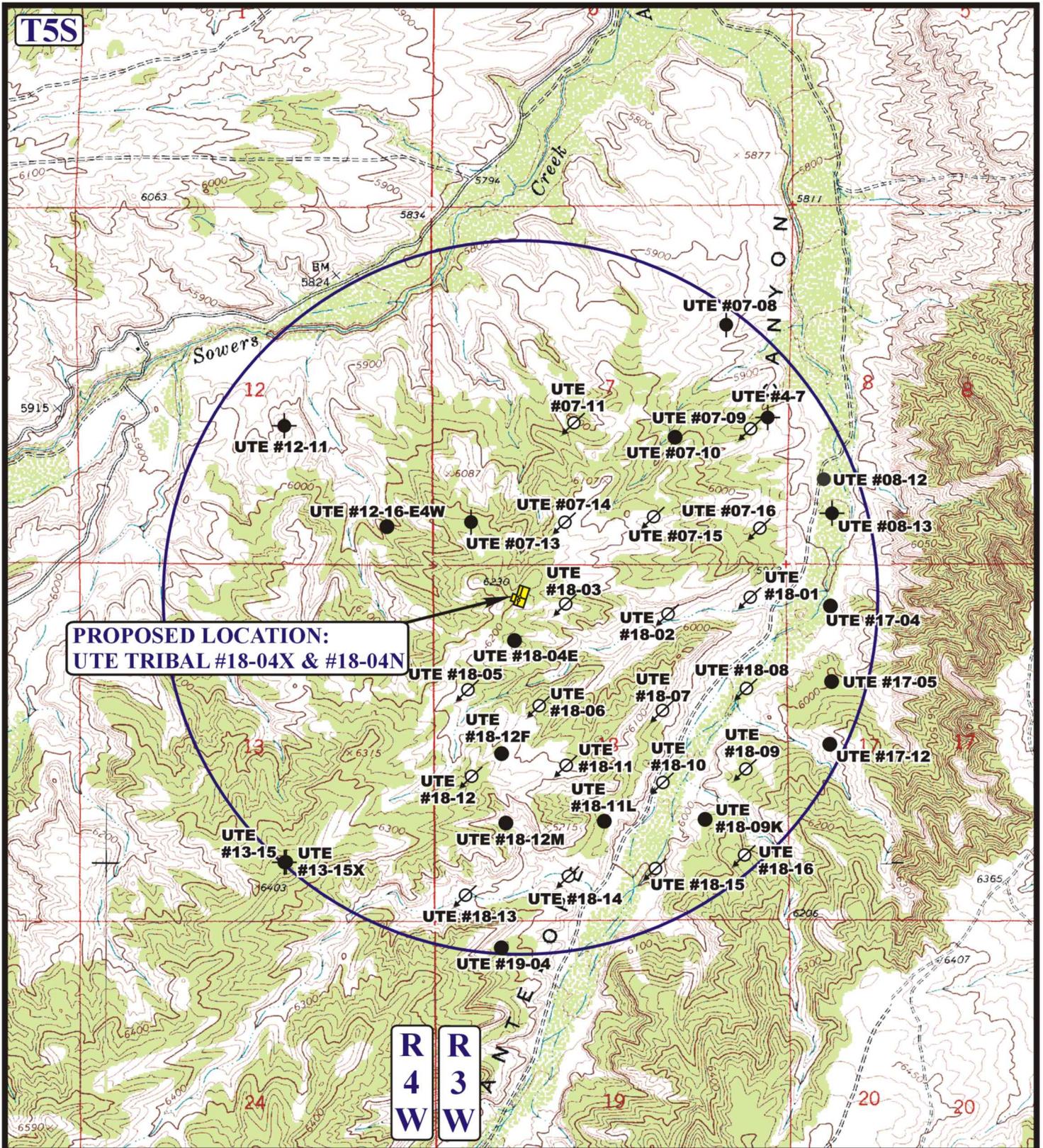
**LEGEND:**  
 ————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

**PETROGLYPH OPERATING CO., INC.**  
 UTE TRIBAL #18-04X & #18-04N  
 SECTION 18, T5S, R3W, U.S.B.&M.  
 NE 1/4 NW 1/4



	Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 (435) 789-1017 * FAX (435) 789-1813
--	--

ACCESS ROAD MAP	11 MONTH	08 DAY	12 YEAR	
	SCALE: 1" = 2000'		DRAWN BY: J.L.G.	



**PROPOSED LOCATION:  
UTE TRIBAL #18-04X & #18-04N**

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊗ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #18-04X & #18-04N  
SECTION 18, T5S, R3W, U.S.B.&M.  
NE 1/4 NW 1/4**



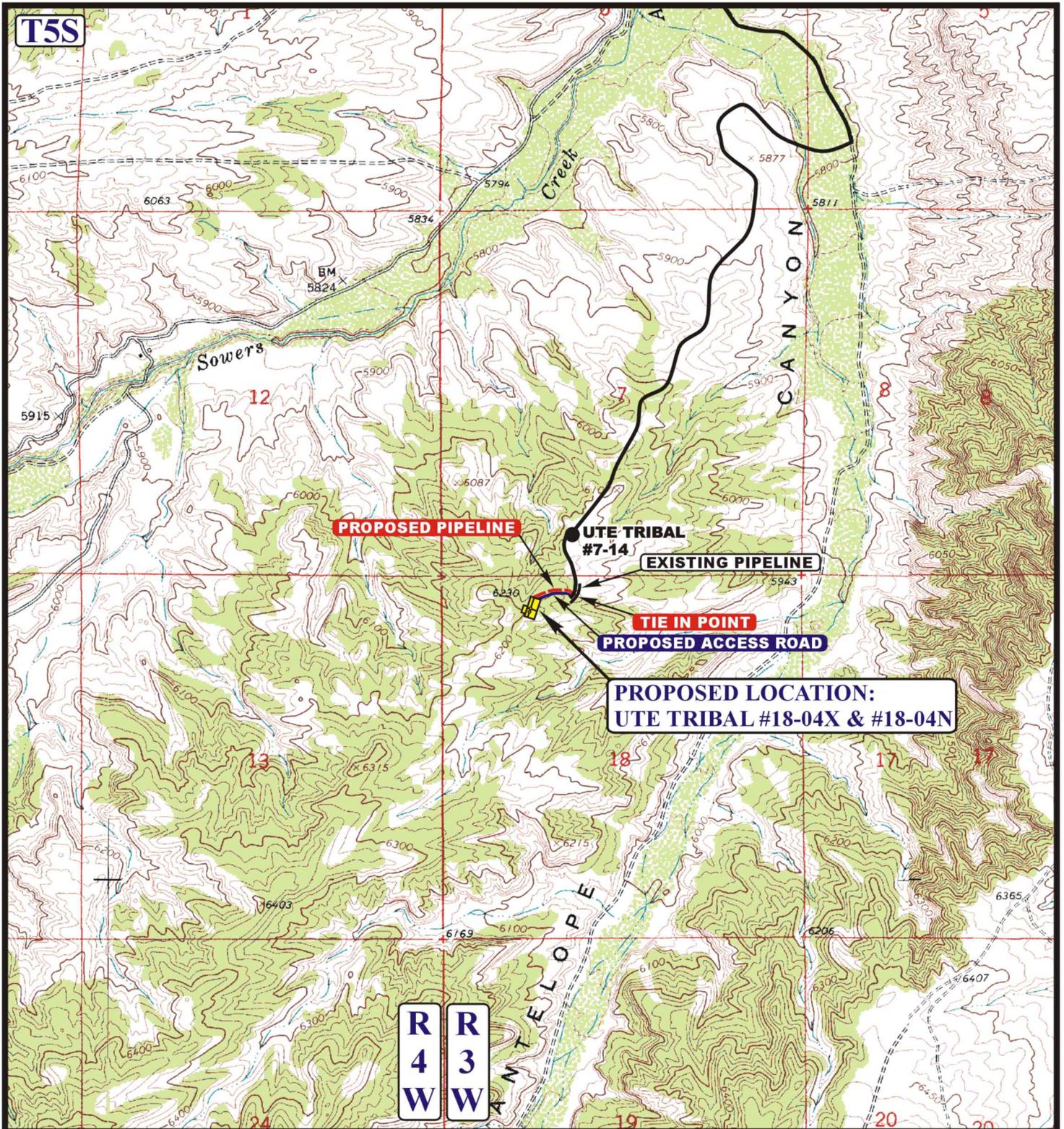
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD  
MAP**

<b>11</b>	<b>08</b>	<b>12</b>
MONTH	DAY	YEAR



SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: 09-06-13 S.O.



**APPROXIMATE TOTAL PIPELINE DISTANCE = 599' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #18-04X & #18-04N**  
**SECTION 18, T5S, R3W, U.S.B.&M.**  
**NE 1/4 NW 1/4**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**11 08 12**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: 09-06-13 S.O.

