

**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 07-10H				
<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> 208 685-7674				
<b>8. ADDRESS OF OPERATOR</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703						<b>9. OPERATOR E-MAIL</b> bwest@pgei.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 14-20-H62-3506			<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 type="checkbox"/> HORIZONTAL <input checked="" 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		2546 FSL 1117 FEL		NESE	7	5.0 S	3.0 W	U		
Top of Uppermost Producing Zone		2470 FNL 1785 FWL		SENW	8	5.0 S	3.0 W	U		
At Total Depth		2470 FNL 1785 FWL		SENW	8	5.0 S	3.0 W	U		
<b>21. COUNTY</b> DUCHESENE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1117			<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> 819			<b>26. PROPOSED DEPTH</b> MD: 7842 TVD: 7842				
<b>27. ELEVATION - GROUND LEVEL</b> 5927			<b>28. BOND NUMBER</b> BO 4556			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-8342				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	18	14	0 - 40	5.0	Unknown	10.0	Class G	25	1.17	15.8
SURF	12.25	9.625	0 - 480	36.0	J-55 ST&C	10.0	Class G	167	1.17	15.8
Prod	8.75	7	0 - 5407	26.0	L-80 LT&C	10.0	Class G	409	1.91	12.5
							Class G	392	1.46	13.4
L1	6.125	4.5	0 - 2585	11.6	J-55 LT&C	10.0	No Used	0	0.0	0.0
<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 checked="" 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> 06/16/2011			<b>EMAIL</b> edtrotter@easilink.com				
<b>API NUMBER ASSIGNED</b> 43013508640000			<b>APPROVAL</b>  Permit Manager							

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EIGHT POINT PLAN

UTE TRIBAL 07-10H  
NE/SE, SEC. 7, T5S, R3W  
DUCHESNE COUNTY, UTAH

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

FORMATIONS	MD	SUBSEA
Trona	2552	3375
Mahogany Shale	2700	3227
“B” Marker	3809	2118
“X” Marker	4304	1623
Douglas Creek	4447	1480
“B” Limestone	4834	1093
Total Depth	7842	
Anticipated Maximum BHP	1700	

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

<u>Substance</u>	<u>Formation</u>	<u>TVD/MD</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4447	1480

**3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.**

**BOPE TESTING PROCEDURE:**

- The BOPE will be tested by a professional tester to conform to Onshore Order #2.
- The flow line will have a minimum diameter of 10”.

**4. CASING PROGRAM:**

Hole	Casing	Top – MD	Bottom – MD	Weight lb/ft	Grade	Thread
18”	14”	sfc	40’	steel	cond	None
12 1/4”	9 5/8”	sfc	480’	36.0	J-55	STC
8 3/4”	7”	sfc	5407’	26.0	L-80	LTC

Casing Strengths:				Collapse	Burst	Tensile
9 5/8”	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb
7”	26.0 lb.	L-80	LTC	5,410 psi	7,240 psi	511,000 lb

The horizontal lateral of this well will be cased with 4 1/2” liner with mechanical pack-offs & sliding sleeves.

Hole	Casing	Top – MD	Bottom – MD	Weight lb/ft	Grade
6 1/8”	4 1/2”	5257’	7842’	11.6	J-55

All casing will be new or inspected.

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DUCHESNE COUNTY, UTAH

**5. MUD PROGRAM**

**INTERVAL**

0' - 480'  
480' - TD

**MUD TYPE**

Air/Aerated Water  
Water with DAP or DAP alternative  
Gel/polyacrylamide polymer w/5-10% LCM, LSND as conditions warrant

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise. A mud weight of 9.5# to 10.5# will be maintained during drilling of the production hole. The rat and mouse holes will be drilled with the Air Rig after the surface casing is set. Rig mounted and skid mounted air compressors capable of producing 2200 CFM at 350 psi will be used.

**6. CEMENT PROGRAM:**

**20" Conductor:**

Cement to surface with construction cement.

**9 5/8" Casing: sfc - 480' (MD)**

**Lead/Tail Slurry: 0' - 480':** 167 sks (195 cu ft) Class G cement + 0.25 lb/sk Cello Flake + 2% CaCl<sub>2</sub>. Slurry wt: 15.8 ppg, Slurry yield: 1.17 ft<sup>3</sup>/sk, Slurry volume: 12-1/4" hole + 30% excess. (Cement will be circulated to surface).

**7" Casing: sfc - 5407' (MD)**

**Lead Slurry: sfc - 4000':** 409 sks (782 cu ft) EXPANDACEM System (Class "G" + additives) + 1 lb/sk Granulite TR 1/4 (Lost Circulation Material) (12.5 PPG±, 1.91 ft<sup>3</sup>/sk) hole + 30% excess.

**Tail Slurry:**

**4000' - 5407':** 392 sks (573 cu ft) EXPANDACEM System (Class "G" + additives) + 1 lb/sk Granulite TR 1/4 (Lost Circulation Material) (13.4 ppg±, 1.46ft<sup>3</sup>/sk) hole + 30% excess. Cement will be circulated to surface.

**4 1/2" Liner with Mechanical Pack-off: 5257' - 7842' (MD)**

No cement, mechanically set in open hole.

**7. VARIANCE REQUESTS:**

**Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations**

**NOTE: Only drilling with air for surface hole.**

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UTE TRIBAL 07-10H  
NE/SE, SEC. 7, T5S, R3W  
DUCHESNE COUNTY, UTAH

1. Operator requests a variance to regulations requiring the blooie line discharge be 100' from the well bore. Due to reduced location size, the blooie line discharge will be approximately 75' from the well bore and securely anchored.
2. Operator requests a variance to regulations requiring a straight run blooie line. Due to the location of the flare pit the blooie line will have two targeted "Ts".
3. Operator requests a variance to regulations requiring Deduster Equipment on the blooie line. A mister will be used at the end of the blooie line when drilling with air only.
4. Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. An air/air-mist drilling system will be used.
5. Operator requests a variance to regulations requiring the compressors be located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. Due to reduced location size the compressors will be located as close as is reasonable to the opposite direction from the blooie line and 75' from the well bore.

**8. OPERATIONS:**

All engine exhausts within 100 feet of the well bore will be equipped with spark arrestors.

All cuttings and circulating medium shall be directed into the reserve or booie pit.

A float valve will be run above the bit with sufficient rating to prevent flow back.

An air/mist and fluid/mud drilling system will be used.

All 5 1/2" casing will be new or inspected J-55 LT & C with a collapse resistance of 4,040 psi an internal yield pressure of 4,810 psi and a joint strength of 239,000 psi.

**9. EVALUATION PROGRAM:**

Logs: Platform Express      TD to base of surface casing  
(DLL, MSFL, CNG, CDL, GR)

Cores: None anticipated

DST: None Programmed

Completion: To be submitted at a later date.

**10. ABNORMAL CONDITIONS:**

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UTE TRIBAL 07-10H  
NE/SE, SEC. 7, T5S, R3W  
DUCHESNE COUNTY, UTAH

None anticipated.

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**EIGHT POINT PLAN**

**UTE TRIBAL 07-10H  
NE/SE, SEC. 7, T5S, R3W  
DUCHESNE COUNTY, UTAH**

**11. STANDARD REQUIRED EQUIPMENT:**

None Required

**12. HAZARDOUS CHEMICALS:**

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 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 of this well.

(Attachment: BOP Schematic Diagram)

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

PETROGLYPH OPERATING CO., INC.

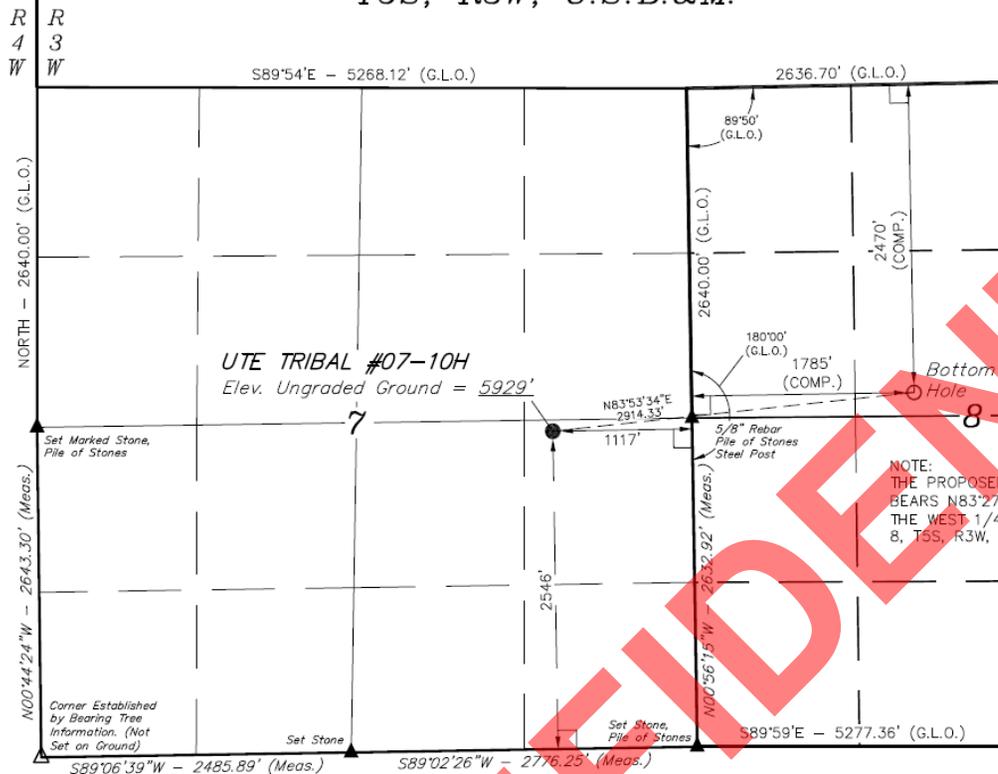
Well location, UTE TRIBAL #07-10H, located as shown in the NE 1/4 SE 1/4 of Section 7, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

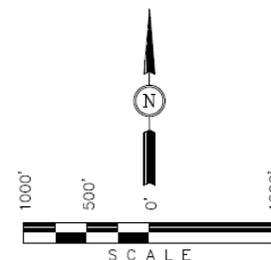
BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 8, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6191.3 FEET.

BASIS OF BEARINGS

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



NOTE:  
THE PROPOSED BOTTOM HOLE BEARS N83°27'26"E 1793.58' FROM THE WEST 1/4 CORNER OF SECTION 8, T5S, R3W, U.S.B.&M.



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.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 06-22-11 S.B.

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

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°03'41.59" (40.061553)		LATITUDE = 40°03'38.93" (40.060814)	
LONGITUDE = 110°14'59.44" (110.249844)		LONGITUDE = 110°15'36.77" (110.260214)	
NAD 22 (TARGET BOTTOM HOLE)		NAD 22 (SURFACE LOCATION)	
LATITUDE = 40°03'41.73" (40.061592)		LATITUDE = 40°03'39.07" (40.060853)	
LONGITUDE = 110°14'56.89" (110.249136)		LONGITUDE = 110°15'34.21" (110.259503)	

SCALE 1" = 1000'	DATE SURVEYED: 03-15-11	DATE DRAWN: 04-18-11
PARTY G.S. G.B. C.C.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE PETROGLYPH OPERATING CO., INC.	

# **Petroglyph Operating Co. Inc.**

**Duchesne County, UT NAD83**

**UTE Tribal 07-10H**

**UT 07-10H**

**Wellbore #1**

**Plan: Plan #1**

## **Standard Survey Report**

**04 May, 2011**

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Scientific Drilling International, Inc.

Survey Report

<b>Company:</b>	Petroglyph Operating Co. Inc.	<b>Local Co-ordinate Reference:</b>	Well UT 07-10H
<b>Project:</b>	Duchesne County, UT NAD83	<b>TVD Reference:</b>	WELL @ 5929.00ft (Original Well Elev)
<b>Site:</b>	UTE Tribal 07-10H	<b>MD Reference:</b>	WELL @ 5929.00ft (Original Well Elev)
<b>Well:</b>	UT 07-10H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDM-R5000-JanieCooke-Local

<b>Project</b>	Duchesne County, UT NAD83		
<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>	UTE Tribal 07-10H				
<b>Site Position:</b>		<b>Northing:</b>	7,193,280.19 usft	<b>Latitude:</b>	40° 3' 38.930 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,987,407.02 usft	<b>Longitude:</b>	110° 15' 36.770 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	0.79 °

<b>Well</b>	UT 07-10H, 2546 FSL & 1117 FEL					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	7,193,280.19 usft	<b>Latitude:</b>	40° 3' 38.930 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	1,987,407.02 usft	<b>Longitude:</b>	110° 15' 36.770 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	0.00 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	5/3/2011	11.41	65.77	52,259

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	84.80	

<b>Survey Tool Program</b>	<b>Date</b>	5/4/2011			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.00	7,841.71	Plan #1 (Wellbore #1)	MWD-SDI		

<b>Planned Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Scientific Drilling International, Inc.

Survey Report

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<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDM-R5000-JanieCooke-Local

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)	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,700.62	0.00	0.00	4,700.62	0.00	0.00	0.00	0.00	0.00	0.00	
4,800.00	12.67	84.80	4,799.19	0.99	10.90	10.94	12.75	12.75	0.00	
4,900.00	25.42	84.80	4,893.52	3.94	43.33	43.51	12.75	12.75	0.00	
5,000.00	38.17	84.80	4,978.34	8.71	95.69	96.09	12.75	12.75	0.00	
5,100.00	50.92	84.80	5,049.46	15.05	165.41	166.09	12.75	12.75	0.00	
5,200.00	63.67	84.80	5,103.38	22.66	249.04	250.07	12.75	12.75	0.00	

Scientific Drilling International, Inc.

Survey Report

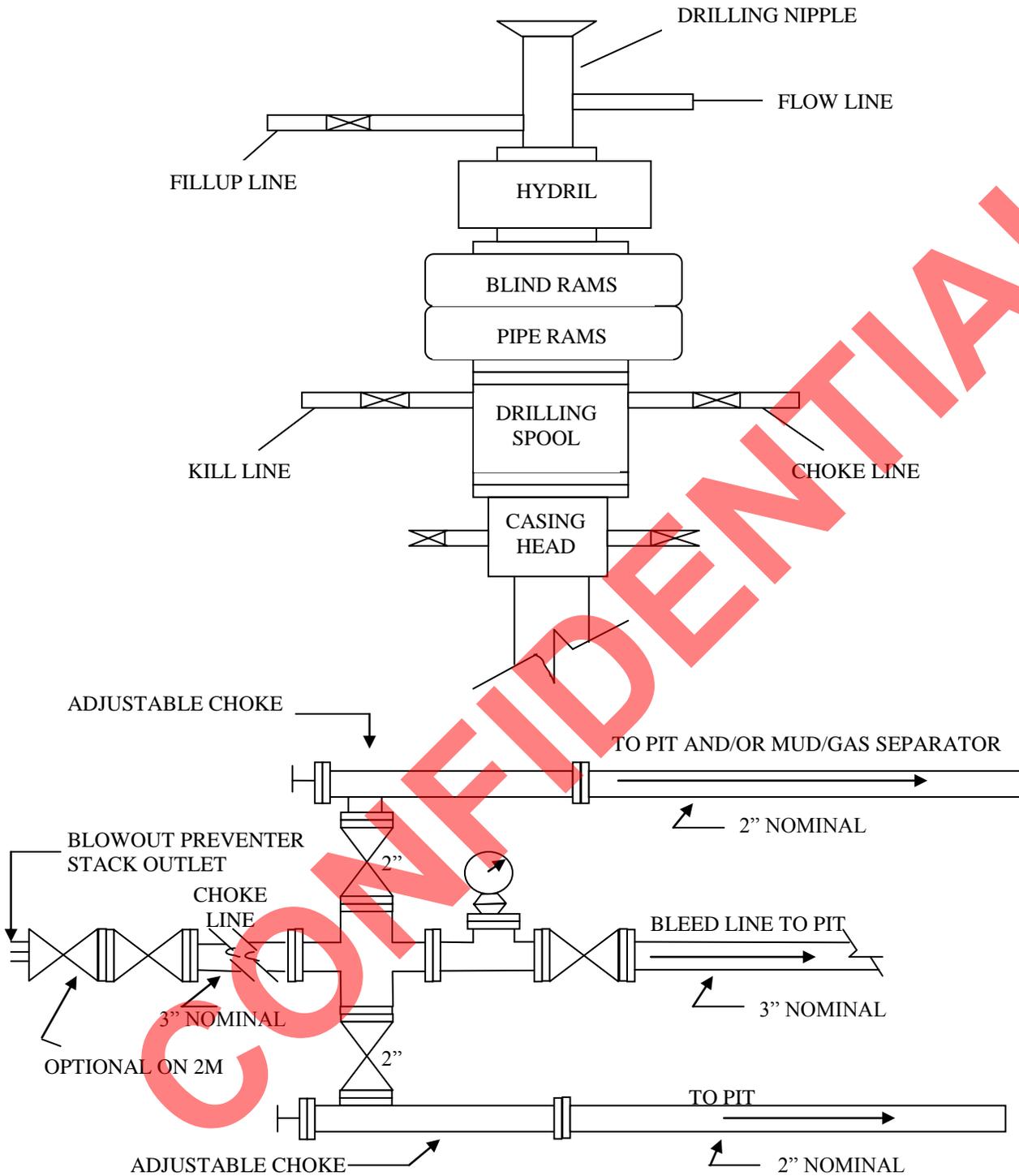
<b>Company:</b>	Petroglyph Operating Co. Inc.	<b>Local Co-ordinate Reference:</b>	Well UT 07-10H
<b>Project:</b>	Duchesne County, UT NAD83	<b>TVD Reference:</b>	WELL @ 5929.00ft (Original Well Elev)
<b>Site:</b>	UTE Tribal 07-10H	<b>MD Reference:</b>	WELL @ 5929.00ft (Original Well Elev)
<b>Well:</b>	UT 07-10H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDM-R5000-JanieCooke-Local

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)
5,300.00	76.42	84.80	5,137.44	31.16	342.45	343.87	12.75	12.75	0.00
5,400.00	89.17	84.80	5,149.95	40.13	441.05	442.88	12.75	12.75	0.00
5,406.50	90.00	84.80	5,150.00	40.72	447.53	449.38	12.75	12.75	0.00
5,500.00	90.00	84.80	5,150.00	49.19	540.64	542.87	0.00	0.00	0.00
5,600.00	90.00	84.80	5,150.00	58.25	640.23	642.87	0.00	0.00	0.00
5,700.00	90.00	84.80	5,150.00	67.31	739.82	742.87	0.00	0.00	0.00
5,800.00	90.00	84.80	5,150.00	76.38	839.41	842.87	0.00	0.00	0.00
5,900.00	90.00	84.80	5,150.00	85.44	939.00	942.87	0.00	0.00	0.00
6,000.00	90.00	84.80	5,150.00	94.50	1,038.58	1,042.87	0.00	0.00	0.00
6,100.00	90.00	84.80	5,150.00	103.56	1,138.17	1,142.87	0.00	0.00	0.00
6,200.00	90.00	84.80	5,150.00	112.62	1,237.76	1,242.88	0.00	0.00	0.00
6,300.00	90.00	84.80	5,150.00	121.68	1,337.35	1,342.88	0.00	0.00	0.00
6,400.00	90.00	84.80	5,150.00	130.74	1,436.94	1,442.88	0.00	0.00	0.00
6,500.00	90.00	84.80	5,150.00	139.80	1,536.53	1,542.88	0.00	0.00	0.00
6,600.00	90.00	84.80	5,150.00	148.87	1,636.12	1,642.88	0.00	0.00	0.00
6,700.00	90.00	84.80	5,150.00	157.93	1,735.71	1,742.88	0.00	0.00	0.00
6,800.00	90.00	84.80	5,150.00	166.99	1,835.29	1,842.88	0.00	0.00	0.00
6,900.00	90.00	84.80	5,150.00	176.05	1,934.88	1,942.88	0.00	0.00	0.00
7,000.00	90.00	84.80	5,150.00	185.11	2,034.47	2,042.88	0.00	0.00	0.00
7,100.00	90.00	84.80	5,150.00	194.17	2,134.06	2,142.88	0.00	0.00	0.00
7,200.00	90.00	84.80	5,150.00	203.23	2,233.65	2,242.88	0.00	0.00	0.00
7,300.00	90.00	84.80	5,150.00	212.30	2,333.24	2,342.88	0.00	0.00	0.00
7,400.00	90.00	84.80	5,150.00	221.36	2,432.83	2,442.88	0.00	0.00	0.00
7,500.00	90.00	84.80	5,150.00	230.42	2,532.41	2,542.88	0.00	0.00	0.00
7,600.00	90.00	84.80	5,150.00	239.48	2,632.00	2,642.88	0.00	0.00	0.00
7,700.00	90.00	84.80	5,150.00	248.54	2,731.59	2,742.88	0.00	0.00	0.00
7,800.00	90.00	84.80	5,150.00	257.60	2,831.18	2,842.88	0.00	0.00	0.00
7,841.71	90.00	84.80	5,150.00	261.38	2,872.72	2,884.58	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
UT 07-10H Target - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	5,150.00	261.38	2,872.72	7,193,581.36	1,990,275.83	40° 3' 41.512 N	110° 14' 59.820 W

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

### SCHEMATIC DIAGRAM OF 2000 PSI BOP STACK



**Certification**

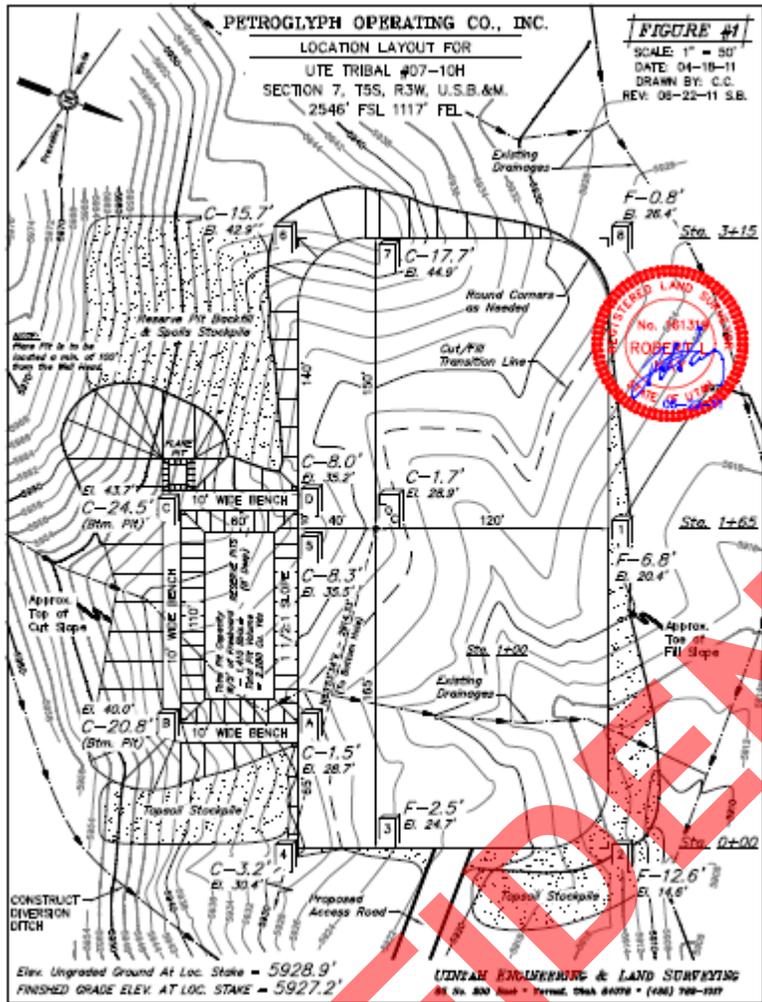
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with 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.

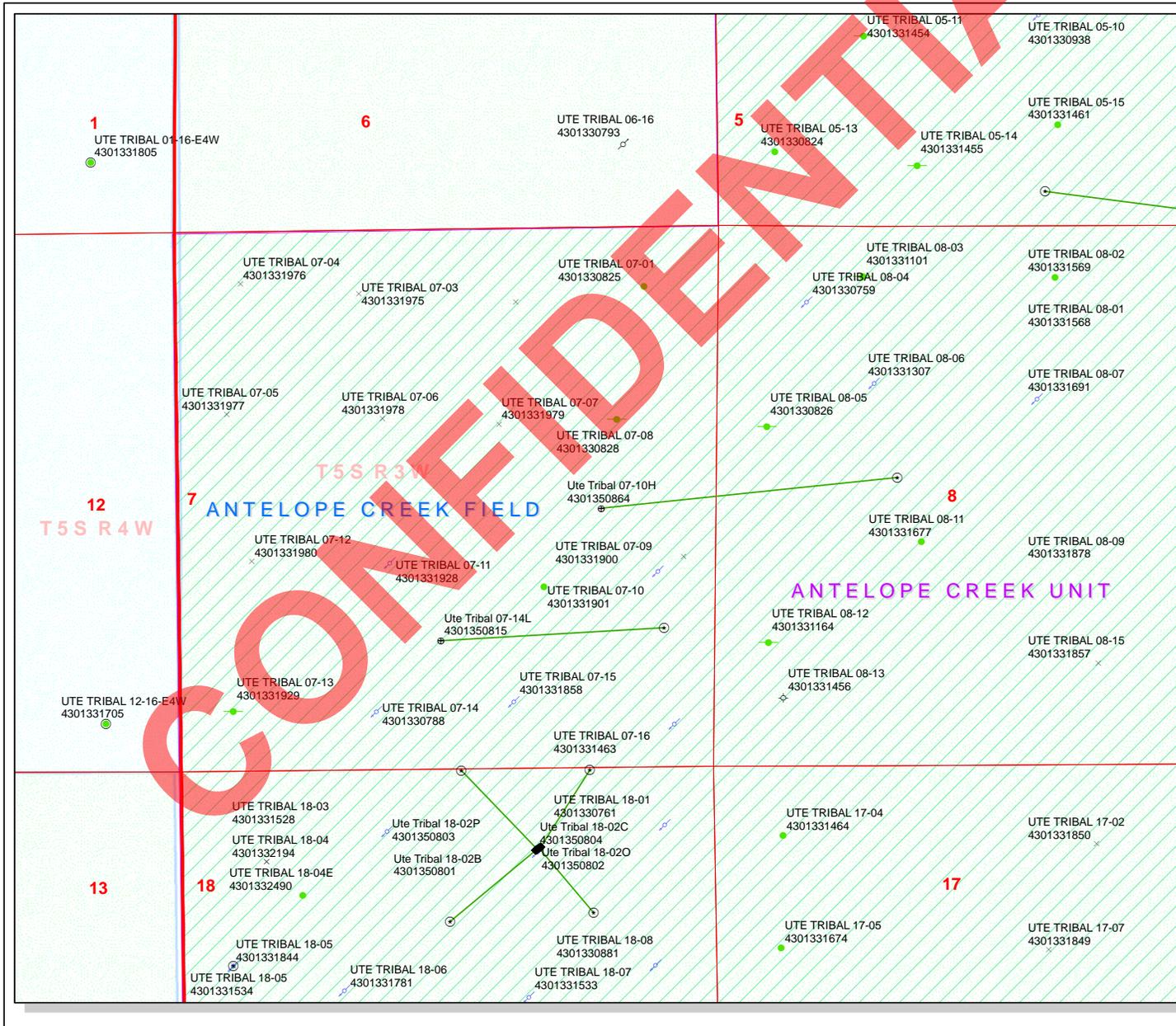
Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 07-10H Well, located in the NE/SE of Section 7, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3506;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #BO 4556.

\_\_\_\_\_  
Date

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

**CONFIDENTIAL**

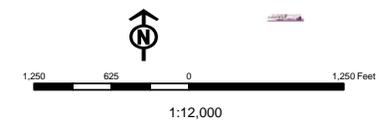




**API Number: 4301350864**  
**Well Name: Ute Tribal 07-10H**  
**Township T0.5 . Range R0.3 . Section 07**  
**Meridian: UBM**  
**Operator: PETROGLYPH OPERATING CO**

Map Prepared:  
 Map Produced by Diana Mason

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



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 6/16/2011

**API NO. ASSIGNED:** 43013508640000

**WELL NAME:** Ute Tribal 07-10H

**OPERATOR:** PETROGLYPH OPERATING CO (N3800)

**PHONE NUMBER:** 435 789-4120

**CONTACT:** Ed Trotter

**PROPOSED LOCATION:** NESE 07 050S 030W

**Permit Tech Review:**

**SURFACE:** 2546 FSL 1117 FEL

**Engineering Review:**

**BOTTOM:** 2470 FNL 1785 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 40.06083

**LONGITUDE:** -110.25957

**UTM SURF EASTINGS:** 563149.00

**NORTHINGS:** 4434561.00

**FIELD NAME:** ANTELOPE CREEK

**LEASE TYPE:** 2 - Indian

**LEASE NUMBER:** 14-20-H62-3506

**PROPOSED PRODUCING FORMATION(S):** DOUGLAS CREEK

**SURFACE OWNER:** 2 - Indian

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: INDIAN - BO 4556
- 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 - bhill



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 07-10H  
**API Well Number:** 43013508640000  
**Lease Number:** 14-20-H62-3506  
**Surface Owner:** INDIAN  
**Approval Date:** 6/28/2011

**Issued to:**

PETROGLYPH OPERATING CO, 960 Broadway Ave, Ste 500, Bosie, 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 DOUGLAS CREEK 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 in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

RECEIVED

RECEIVED

M.L.

Form 3160-3  
(August 2007)

JUN - 3 2011

AUG 0 1 2011

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

UDOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
BLM VERNAL, UTAH

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

5. Lease Serial No.  
**14-20-H62-3506**

6. If Indian, Allottee or Tribe Name  
**UTE INDIAN TRIBE**

7. If Unit or CA Agreement, Name and No.  
**14-20-H62-4650**

8. Lease Name and Well No.  
**UTE TRIBAL 07-10H**

9. API Well No.  
**43 013 50864**

10. Field and Pool, or Exploratory  
**ANTELOPE CREEK**

11. Sec., T., R., M., or Blk. and Survey or Area  
**SEC. 7, T5S, R3W  
U.S.B. & M.**

1a. Type of Work:  DRILL  REENTER

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
**PETROGLYPH OPERATING CO., INC.**

3a. Address **P.O. BOX 1910  
VERNAL, UT 84078**

3b. Phone No. (Include area code)  
**(435)789-4120**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **2546' FSL & 1117' FEL, NE/SE, Sec. 7, T5S, R3W**  
At proposed bottom hole **2470' FNL & 1785' FWL, SE/NW, Sec. 8, T5S, R3W**

14. Distance in miles and direction from nearest town or post office\*  
**18.8 MILES SOUTHWEST OF MYTON, UTAH**

12. County or Parish **DUCHESNE** 13. State **UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. Unit line, if any) **1117'**

16. No. of Acres in lease **640**

17. Spacing Unit dedicated to this well

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **See Topo Map "C"**

19. Proposed Depth **7842' TMD  
5150' TVD**

20. BLM/BIA Bond No. on file **BO 4556**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **5927.2 FEET GRADED GROUND**

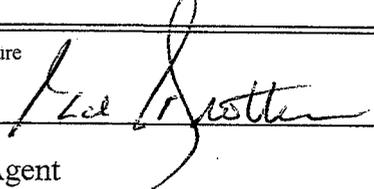
22. Approximate date work will start\* **UPON APPROVAL**

23. Estimated duration **15 DAYS**

24. Attachments

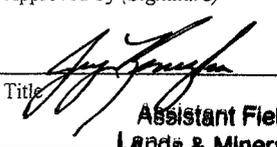
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 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 shall 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  Name (Printed/Typed) **Ed Trotter** Date **June 2, 2011**

Title **Agent**

RECEIVED  
MAR 0 1 2012

Approved by (Signature)  Name (Printed/Typed) **Jerry Kenczka** Date **FEB 24 2012**

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)

NOTICE OF APPROVAL



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 Operating Co., Inc. Location: NESE, Sec. 7, T5S, R3W (S)  
Well No: Ute Tribal 07-10H Lease No: SENW, Sec. 8, T5S, R3W (B)  
API No: 43-013-50864 Agreement: 14-20-H62-3506  
Antelope Creek Recovery

OFFICE NUMBER: (435) 781-4400  
OFFICE FAX NUMBER: (435) 781-3420

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

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

**NOTIFICATION REQUIREMENTS**

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

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

**Well Number:** Ute Tribal 04-08A, 04-13Q, 05-10H, 07-10H and 07-14L

**Additional Stipulations:**

- 1) 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.
- 2) The conditions as set forth by those owners and/or agencies.

**General Conditions of Approval:**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department and the BLM will be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel will refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department will be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing (size casing 7 inch) cement shall be brought up and into the surface.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 75 feet.  
All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- For casing production (partial) liner installation, casing liner is to be installed and tested to the standards of Onshore Orders #2. The operator specified casing liner lap overlap interval length is 150 ft.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

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

- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. 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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506
<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> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013508640000
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7674 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 Township: 05.0S Range: 03.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK  <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>5/1/2012</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input 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.

All produced water will be trucked or pumped through pipeline to a water injection pump station for injection. Water injection pump stations are located at the following: Ute Tribal 21-11 NESW Section 21, T5S, R3W. Ute Tribal 18-08 SENE Section 18, T5S, R3W. Ute Tribal 34-12D3 NWSW Section 34, T4S, R3W.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 March 28, 2012**

<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> 3/15/2012	

<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> 14-20-H62-3506	
<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> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013508640000
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500 , Bosie, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7674 Ext
<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 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: 7/16/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Date:** June 28, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Ed Trotter	<b>PHONE NUMBER</b> 435 789-4120	<b>TITLE</b> Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/28/2012	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013508640000**

API: 43013508640000

Well Name: UTE TRIBAL 07-10H

Location: 2546 FSL 1117 FEL QTR NESE SEC 07 TWP 050S RNG 030W MER U

Company Permit Issued to: PETROGLYPH OPERATING CO

Date Original Permit Issued: 6/28/2011

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

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

Signature: Ed Trotter

Date: 6/28/2012

Title: Agent

Representing: PETROGLYPH OPERATING CO

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506
<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> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H	
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013508640000	
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7674 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 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: 7/3/2012  <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.		
We spudded the above referenced well on 07/03/2012. We set 40' of 14" conductor.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 09, 2012</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> 7/6/2012	

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craig's /Air rig  
Submitted By Rodrigo Jurado Phone Number 435-722-5302  
Well Name/Number Ute Tribal 07-10H  
Qtr/Qtr NESE Section 07 Township 5S Range 3W  
Lease Serial Number 14-20-H62-3506  
API Number 43-013-50864

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

Date/Time 7/3/2012 01:00 AM  PM

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

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

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

BOPE

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

RECEIVED

JUL 03 2012

DIV. OF OIL, GAS & MINING

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

Remarks We intend to spud at the above referenced time. We intend to set 40' of 14" Conductor. (sent 7/2/2012 @ 10:00 A.M.)

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

FORM 6

**ENTITY ACTION FORM**

Operator: Petroglyph Operating Company Operator Account Number: N 3800  
 Address: P.O. Box 607  
city Roosevelt  
state UT zip 84066 Phone Number: (435) 722-2531

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350815	Ute Tribal 07-14L		SWSE	7	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	09392	7/3/2012			7.18.12	
Comments: Please add to existing Ute Tribal 07-14 Tank Battery. GRRV <span style="float: right;">Confidential</span>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350864	Ute Tribal 07-10H		NESE	7	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	09392	7/3/2012			7.18.2012	
Comments: Please add to existing Ute Tribal 07-14 Tank Battery. GRRV BHL: SB serv <span style="float: right;">Confidential</span>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Rodrigo Jurado

Name (Please Print)

Signature

Regulatory Compliance Spc

7/8/2012

Title

Date

RECEIVED

JUL 09 2012

(5/2000)

Div. of Oil, Gas & Mining

<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> 14-20-H62-3506
<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> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013508640000
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7674 Ext
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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>8/10/2012</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 type="text" value="Change Casing Size"/>

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

We intend to upsize our surface casing from 9-5/8" J-55 36#/ft STC to 10-3/4" J-55 40.5#/ft STC. We still intend to run surface casing from surface to 500'MD.

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

**Date:** August 08, 2012

**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> 8/6/2012	

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craig's /Air rig  
Submitted By Rodrigo Jurado Phone Number 435-722-5302  
Well Name/Number Ute Tribal 07-10H  
Qtr/Qtr NESE Section 07 Township 5S Range 3W  
Lease Serial Number 14-20-H62-3506  
API Number 43-013-50864

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

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

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

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

Date/Time 8/8/2012 03:00 AM  PM

BOPE

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

RECEIVED

AUG 07 2012

DIV. OF OIL, GAS & MINING

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

Remarks We intend to run apprx 500' of 10-3/4", J-55, 40.5#/ft, STC Casing. (sent 8/7/2012 @ 2:00 P.M.)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK	
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H	
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		<b>9. API NUMBER:</b> 43013508640000	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 Township: 05.0S Range: 03.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK	
		<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/5/2013	<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.			
As of the date referenced above, this well is waiting for a rig.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 26, 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> 3/26/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506	
<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	
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<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013508640000		
<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> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 Township: 05.0S Range: 03.0W Meridian: U		<b>COUNTY:</b> DUCHESNE	
		<b>STATE:</b> UTAH	
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TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/5/2013	<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.			
As of the date referenced above, this well is waiting for a rig.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 26, 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> 4/10/2013		

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> 14-20-H62-3506
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
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		<b>STATE:</b> UTAH
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<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 type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/5/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. As of the date referenced above, this well is currently waiting for a rig.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 08, 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> 5/8/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506	
<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	
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		<b>STATE:</b> UTAH	
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TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2013	<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. As of the date referenced above, this well is waiting for a rig.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 10, 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> 7/1/2013	

<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> 14-20-H62-3506
<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> ANTELOPE CREEK
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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>8/5/2013</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 checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>  <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.

Well is currently an approved APD for a horizontal well. Petroglyph Operating Company proposes to drill well as a vertical wellbore to approximately 6514' MD. The well would be drilled according to the approved plan, except for the following changes: 1. 10-3/4" surface casing would be set and cemented to surface instead of the 9-5/8" in the approved plan. 2. 7-7/8" hole would be drilled for the production string instead of the 8-3/4" and 6-1/8" hole in the approved plan. 3. 5-1/2" J-55 production casing would be set and cemented to surface instead of a 7" L-80 intermediate with an uncemented 4-1/2" liner. 4. Cement volumes would be adjusted to volumes appropriate for getting returns to surface with 5-1/2" casing in 7-7/8" hole. 5. The directional build and lateral will not be drilled. Work to be performed under bond 4138153.

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

**Date:** August 01, 2013

**By:**

<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> 7/24/2013	



***CONFIDENTIAL***  
**EIGHT POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

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

Formation		Subsea	MD
Rig KB=13' above GGL		5940	0
Surface Formation = Uinta			
Uinta		5927	13
Green River		4470	1470
Trona		3375	2565
Mahogany Shale		3227	2713
"B" Marker	Waterflood Unit Interval	2118	3822
"X" Marker		1623	4317
Douglas Creek Marker		1480	4460
"B" Limestone		1093	4847
Base Castle Peak Limestone		512	5428
BSCARB		104	5836
Wasatch		-163	6103
Formation at TD: Wasatch	RIG TD	-275	6215

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

<u>Substance</u>	<u>Formation</u>	<u>SUBSEA</u>	<u>MD</u>
Base of moderately saline ground water*	not present	6100	0
Oil/Gas	Douglas Creek	1480	4460
Oil/Gas	Castle Peak	512	5428

Any water encountered during drilling shall be sampled, analyzed and reported to the 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

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**EIGHT POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, 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	53'	steel	Cond'r	none
Surface	12-1/4"	10-3/4"	surface	493'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	6215'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	10-3/4"	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 3822' 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 ----- 53	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 ----- 493	Class G +2% CaCl <sub>2</sub> +0.25 lb/sk Cello Flake	176 ----- 206	30%	15.8	1.17
Production Lead	0 ----- 3822	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	448 ----- 861	30%	12.5	1.92
Production Tail	3822 ----- 6215	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	369 ----- 539	30%	13.4	1.46

- The 10-3/4" 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 Surface Casing Shoe at 493' MD.

**CONFIDENTIAL**  
**EIGHT POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, 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.
- A 2000 PSI Working Pressure Annular 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 the standards of Onshore Order #2.

**6. MUD PROGRAM:**

**A. SURFACE HOLE**

- The surface hole will be drilled with an air/mist system from 0' to 493'. All cuttings 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.

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**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**B. PRODUCTION HOLE**

- The production hole shall be drilled with a freshwater polymer system from 493' to 6215'. 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 8.3-8.4 lbs/gal.
- 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.

**C. HAZARDOUS MATERIALS AND POLLUTANTS**

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior BLM 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**  
**EIGHT POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

**7. EVALUATION PROGRAM:**

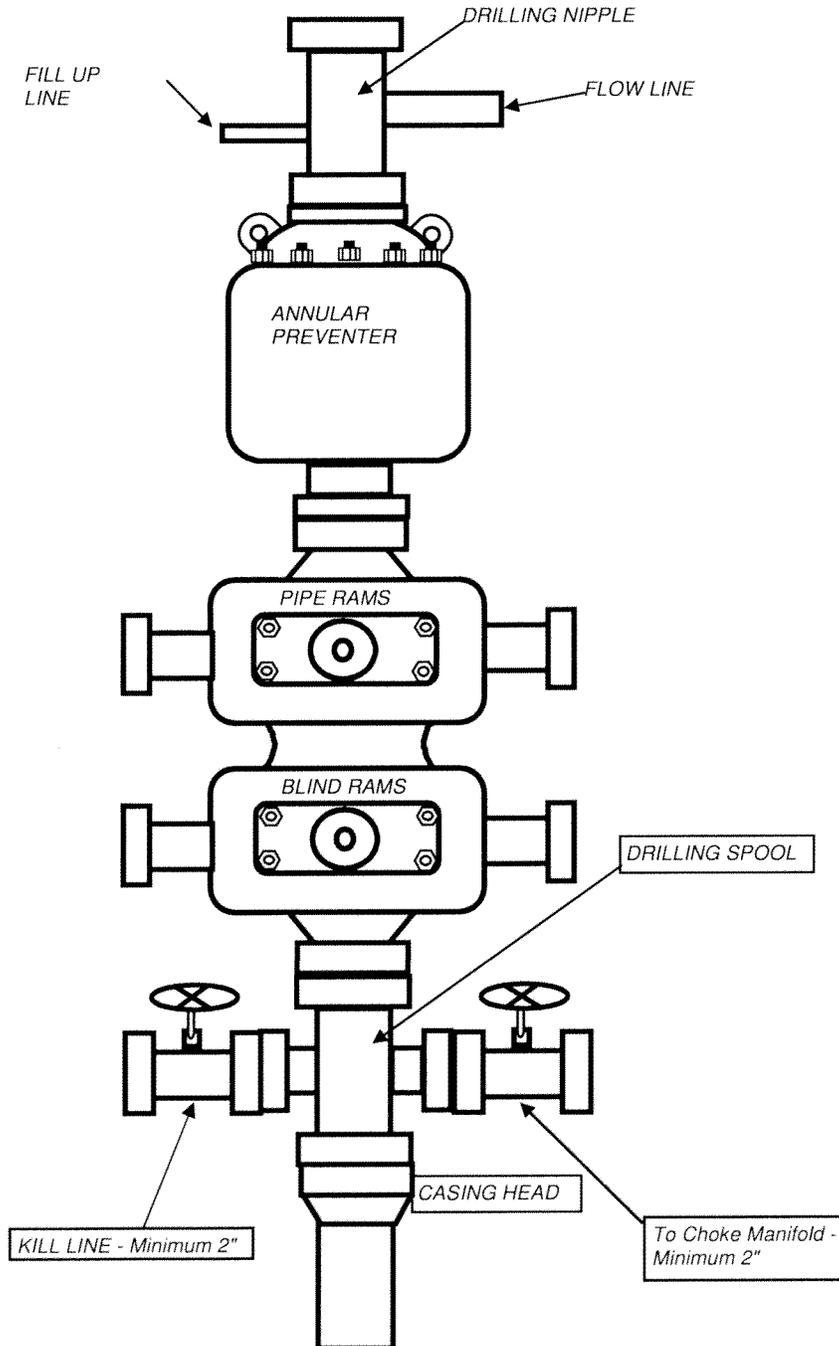
Logs:	Triple Combo	TD to base of surface casing (AIT, DSN, CDL) Base of surface casing to surface (GR only)
Cores:	None planned	
DST:	None planned	
Testing:	Operator plans no testing until the completion phase of the well.	

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

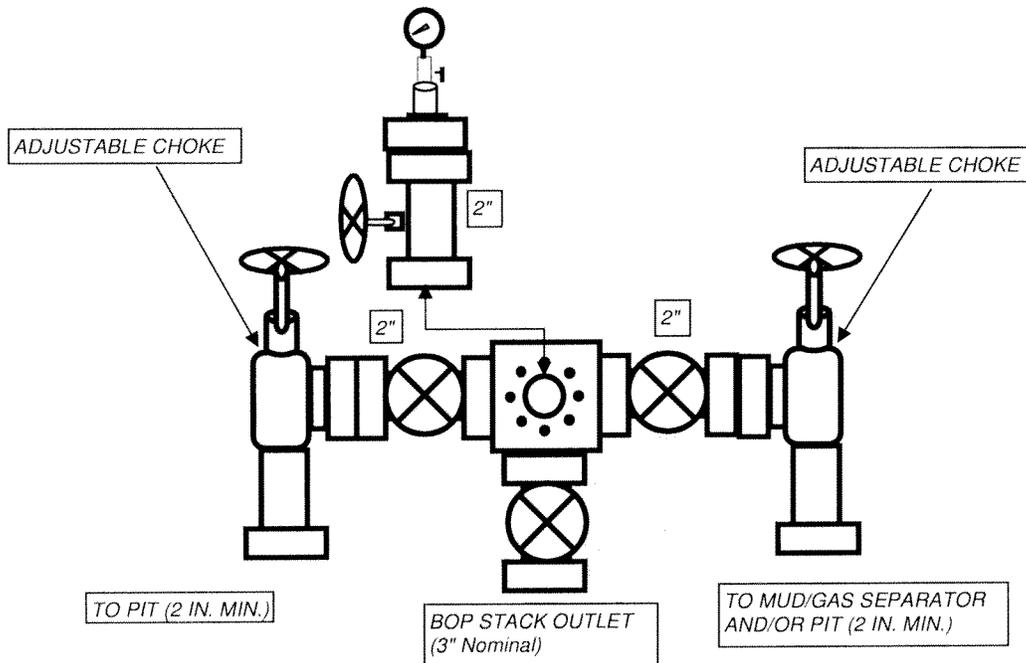
- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H<sub>2</sub>S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1554 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 (2691 PSI).

**CONFIDENTIAL**  
**EIGHT POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**

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



**CONFIDENTIAL**  
**EIGHT POINT DRILLING PLAN**  
**PETROGLYPH OPERATING COMPANY, INC**  
**UTE TRIBAL 07-10H**  
**NE SE, SEC 7, T5S, R3W**  
**DUCHESNE COUNTY, UTAH**  
**TYPICAL 2,000 p.s.i. CHOKE MANIFOLD**



**PETROGLYPH OPERATING CO., INC.**  
**UTE TRIBAL #07-10H**  
**LOCATED IN DUCHESNE COUNTY, UTAH**  
**SECTION 7, T5S, R3W, U.S.B.&M.**



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

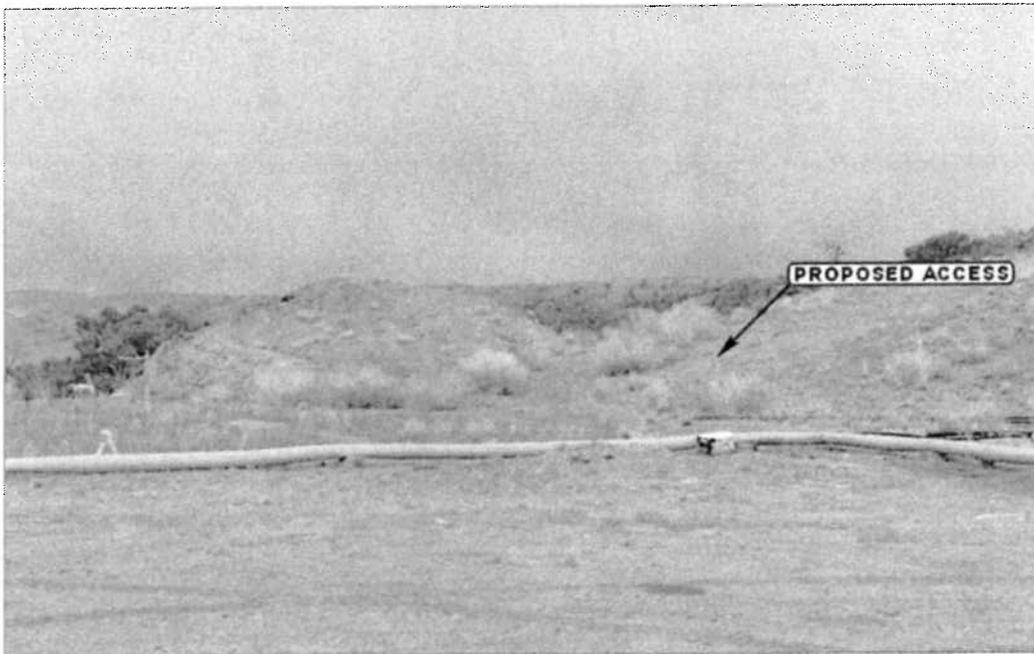


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



**UELS**

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

Since 1964

LOCATION PHOTOS

04 | 19 | 11  
MONTH | DAY | YEAR

PHOTO

TAKEN BY: G.S.

DRAWN BY: C.A.G.

REVISED: 00-00-00

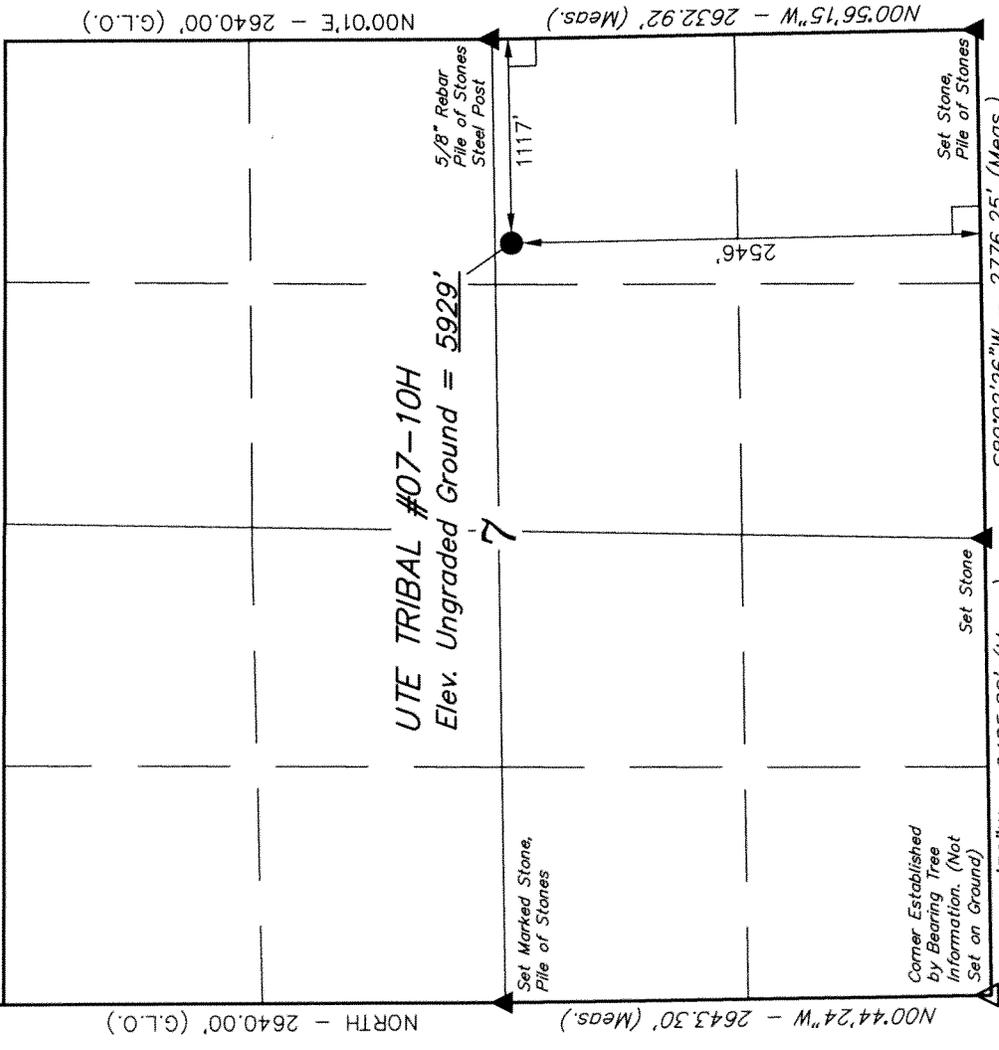
**T5S, R3W, U.S.B.&M.**

**PETROGLYPH OPERATING CO., INC.**

R 3 W  
R 4 W

S89°54'E - 5268.12' (G.L.O.)

Well location, UTE TRIBAL #07-10H, located as shown in the NE 1/4 SE 1/4 of Section 7, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

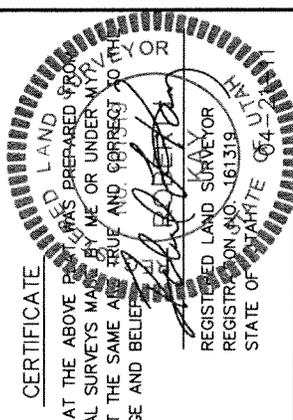
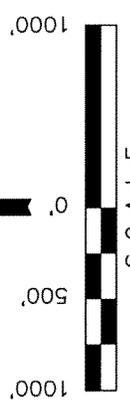


**BASIS OF ELEVATION**

BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 8, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6191.3 FEET.

**BASIS OF BEARINGS**

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



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

<b>UTAH ENGINEERING &amp; LAND SURVEYING</b>	
85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017	
SCALE 1" = 1000'	DATE SURVEYED: 03-15-11
PARTY G.S. G.B. C.C.	DATE DRAWN: 04-18-11
WEATHER COOL	REFERENCES G.L.O. PLAT
FILE PETROGLYPH OPERATING CO., INC.	

**LEGEND:**

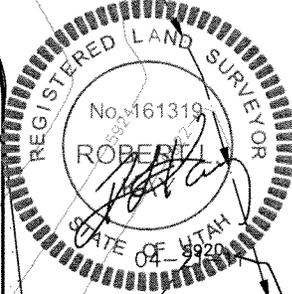
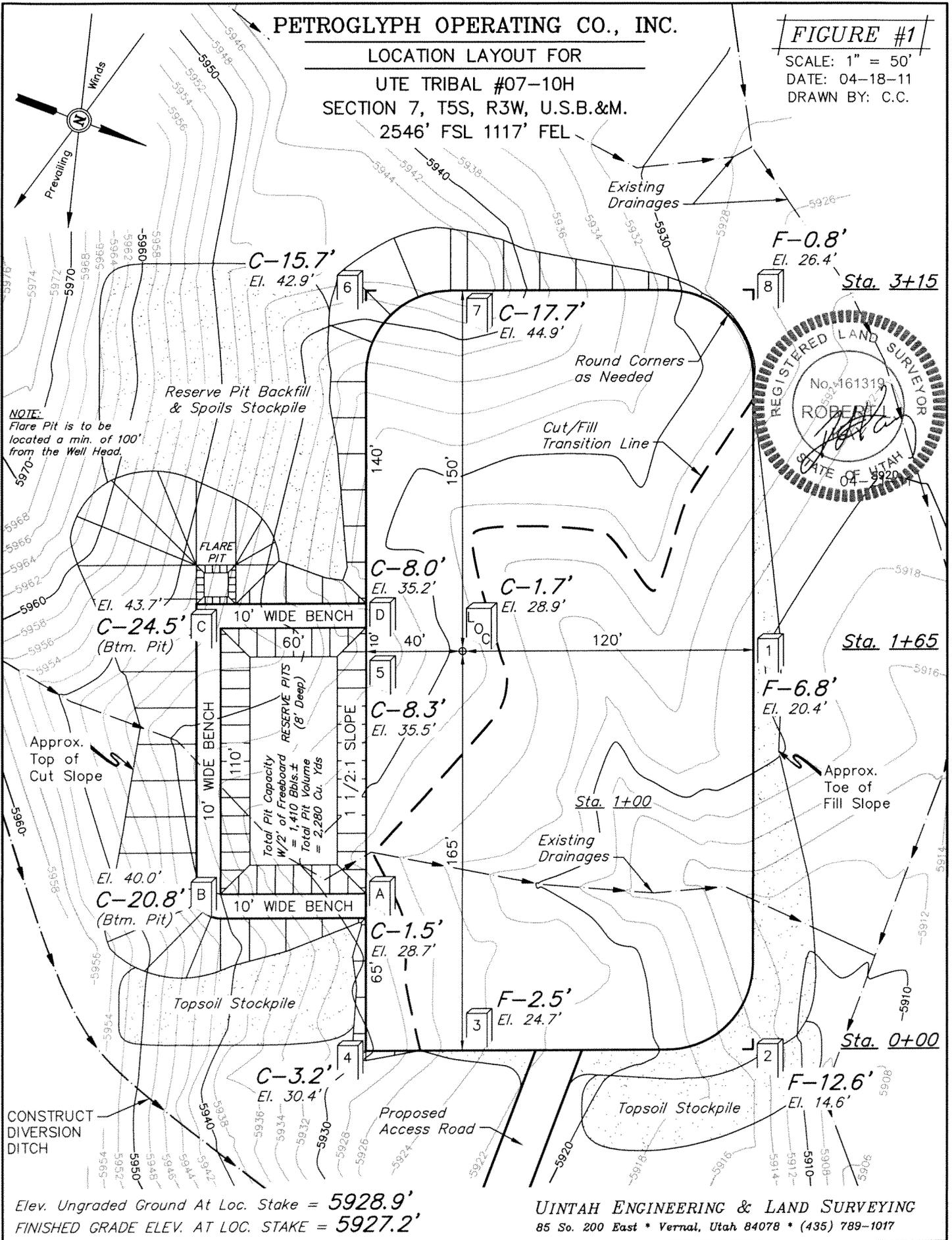
- ┌ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
  - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)
- (NAD 83)  
 LATITUDE = 40°03'38.93" (40.060814)  
 LONGITUDE = 110°15'36.77" (110.260214)  
 (NAD 27)  
 LATITUDE = 40°03'39.07" (40.060853)  
 LONGITUDE = 110°15'34.21" (110.259503)

**PETROGLYPH OPERATING CO., INC.**

LOCATION LAYOUT FOR  
 UTE TRIBAL #07-10H  
 SECTION 7, T5S, R3W, U.S.B.&M.  
 2546' FSL 1117' FEL

**FIGURE #1**

SCALE: 1" = 50'  
 DATE: 04-18-11  
 DRAWN BY: C.C.



Elev. Ungraded Ground At Loc. Stake = 5928.9'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 5927.2'

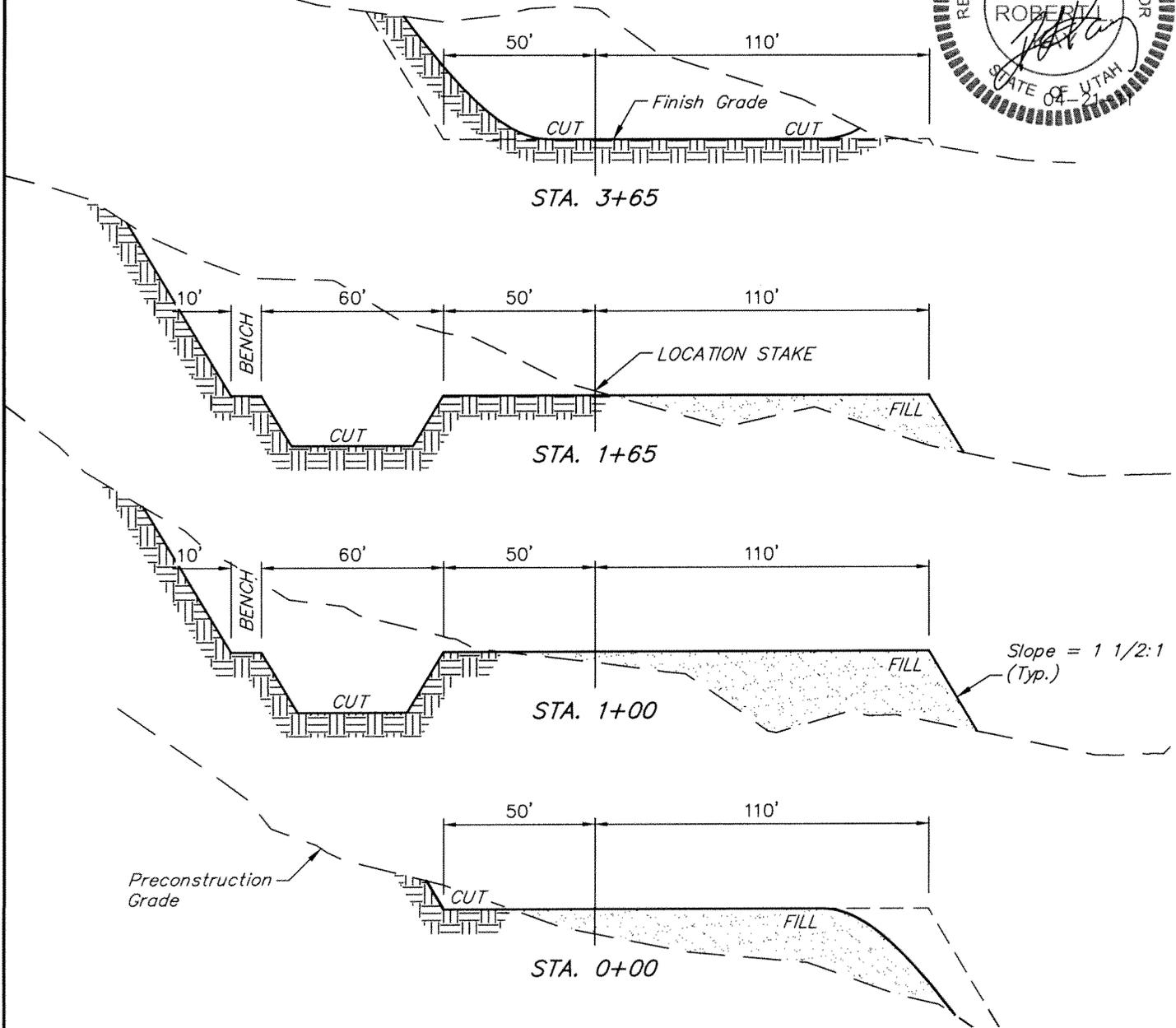
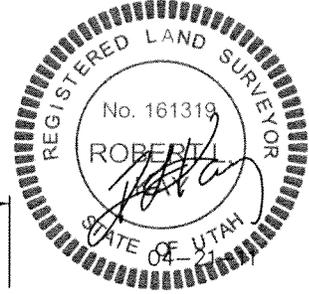
**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**PETROGLYPH OPERATING CO., INC.**

**FIGURE #2**

**TYPICAL CROSS SECTIONS FOR**  
**UTE TRIBAL #07-10H**  
**SECTION 7, T5S, R3W, U.S.B.&M.**  
**2546' FSL 1117' FEL**

X-Section Scale  
 1" = 20'  
 1" = 50'  
 DATE: 04-18-11  
 DRAWN BY: C.C.



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

**APPROXIMATE ACREAGES**  
 WELL SITE DISTURBANCE = ± 3.049 ACRES  
 ACCESS ROAD DISTURBANCE = ± 1.049 ACRES  
 PIPELINE DISTURBANCE = ± 1.007 ACRES  
 TOTAL = ± 5.105 ACRES

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

**APPROXIMATE YARDAGES**

(12") Topsoil Stripping = 2,990 Cu. Yds.  
 Remaining Location = 9,900 Cu. Yds.  
**TOTAL CUT = 12,890 CU.YDS.**  
**FILL = 6,800 CU.YDS.**

EXCESS MATERIAL = 6,090 Cu. Yds.  
 Topsoil & Pit Backfill = 4,130 Cu. Yds.  
 (1/2 Pit Vol.)  
 EXCESS UNBALANCE = 1,960 Cu. Yds.  
 (After Interim Rehabilitation)

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

# PETROGLYPH OPERATING CO., INC.

## TYPICAL RIG LAYOUT FOR

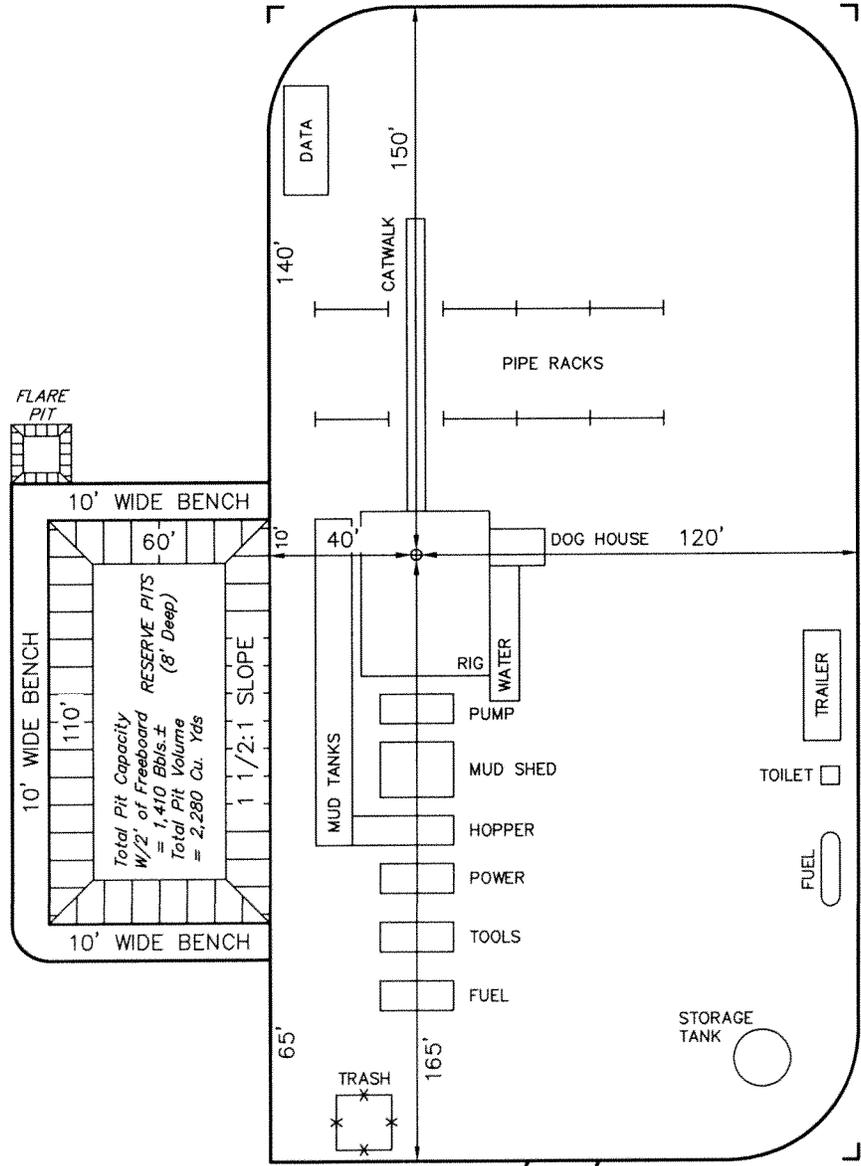
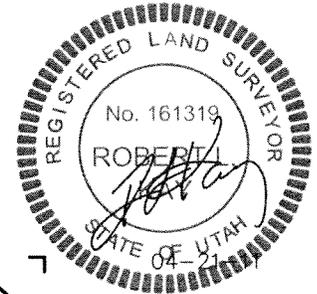
UTE TRIBAL #07-10H  
SECTION 7, T5S, R3W, U.S.B.&M.  
2546' FSL 1117' FEL

FIGURE #3

SCALE: 1" = 50'

DATE: 04-18-11

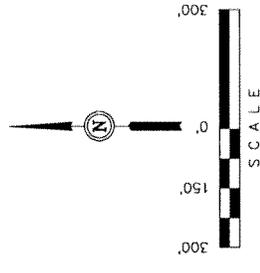
DRAWN BY: C.C.



Proposed Access Road

PETROGLYPH OPERATING CO., INC.  
**LOCATION SURFACE USE AREA  
 & ROAD RIGHT-OF-WAY ON  
 UTE TRIBAL LANDS**

(For UTE TRIBAL #07-10H)  
 LOCATED IN  
 SECTION 7, T5S, R3W, U.S.B.&M.  
 DUCHESNE COUNTY, UTAH



▲ = SECTION CORNERS LOCATED.  
 BASIS OF BEARINGS

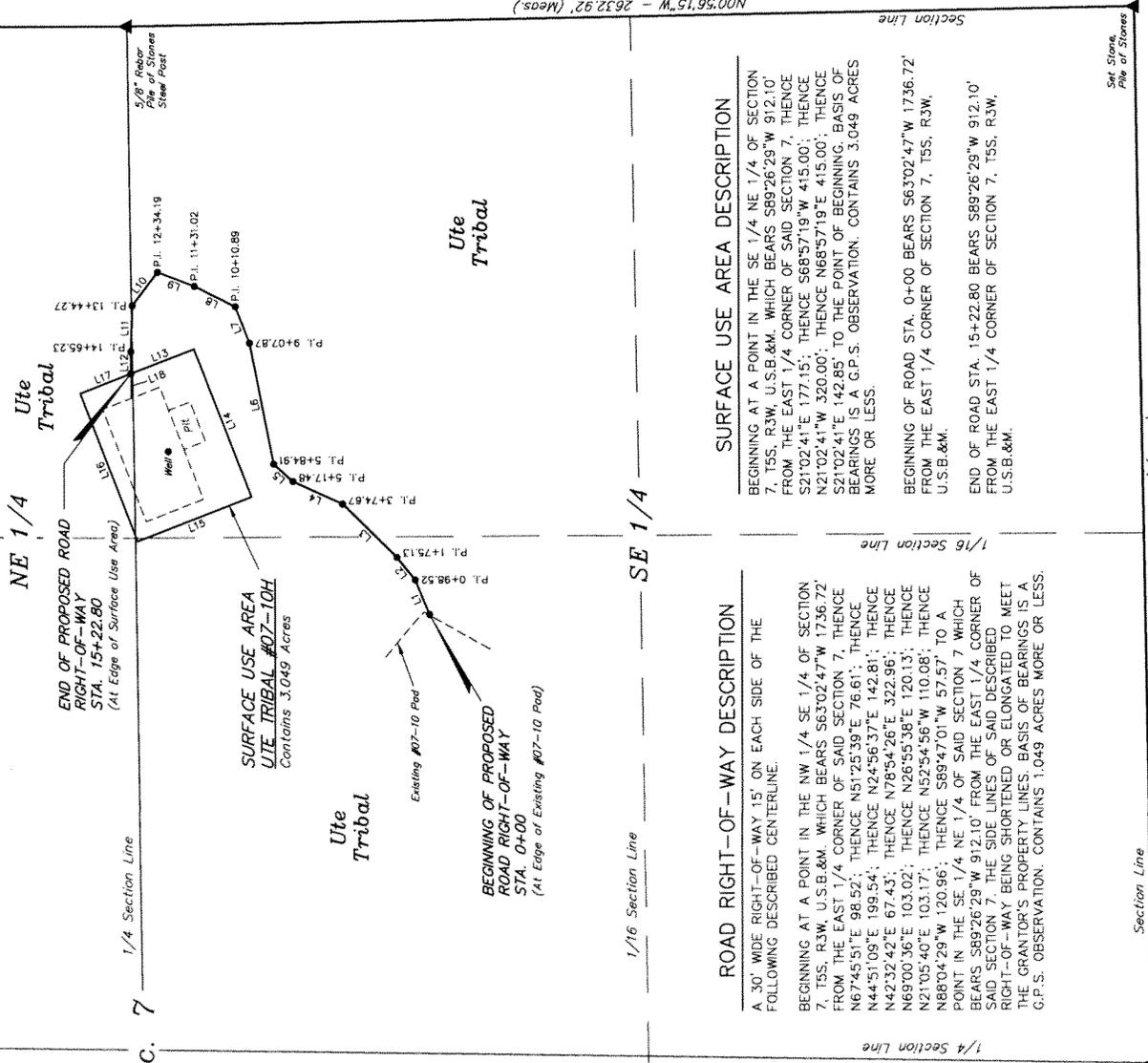
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS		
PROPERTY OWNER	FEET	ACRES
UTE TRIBAL	1522.80	1.049
		92.29



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

SCALE	1" = 300'
DATE	4-18-11
PARTY	G.S. G.B. C.C.
WEATHER	COOL
REFERENCES	G.L.O. PLAT
FILE	5 0 4 2 5



**LINE TABLE**

LINE	BEARING	LENGTH
L1	N67°45'51"E	98.52'
L2	N51°25'39"E	76.61'
L3	N44°51'09"E	199.54'
L4	N24°56'37"E	142.81'
L5	N42°32'42"E	67.43'
L6	N78°54'26"E	322.96'
L7	N69°00'36"E	103.02'
L8	N26°55'36"E	120.13'
L9	N21°05'40"E	103.17'
L10	N52°54'56"W	110.08'
L11	N88°04'29"W	120.96'
L12	S89°47'01"W	57.57'
L13	S21°02'41"E	177.15'
L14	S68°57'19"W	415.00'
L15	N21°02'41"W	320.00'
L16	N68°57'19"E	415.00'
L17	S21°02'41"E	142.85'
L18	S21°02'41"E	64.23'

**SURFACE USE AREA  
 UTE TRIBAL #07-10H**  
 Contains 3.049 Acres

**ROAD RIGHT-OF-WAY**  
 STA. 0+00  
 (At Edge of Existing #07-10 Road)

**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 NW 1/4 SE 1/4 OF SECTION 7, T5S, R3W, U.S.B.&M. WHICH BEARS S63°02'47"W 1736.72' FROM THE EAST 1/4 CORNER OF SAID SECTION 7, THENCE N67°45'51"E 98.52'; THENCE N51°25'39"E 76.61'; THENCE N44°51'09"E 199.54'; THENCE N24°56'37"E 142.81'; THENCE N42°32'42"E 67.43'; THENCE N78°54'26"E 322.96'; THENCE N69°00'36"E 103.02'; THENCE N52°54'56"W 110.08'; THENCE N88°04'29"W 120.96'; THENCE S89°47'01"W 57.57' TO A POINT IN THE SE 1/4 NE 1/4 OF SAID SECTION 7 WHICH BEARS S89°26'29"W 912.10' FROM THE EAST 1/4 CORNER OF SAID SECTION 7 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 1.049 ACRES MORE OR LESS.

**SURFACE USE AREA DESCRIPTION**  
 BEGINNING AT A POINT IN THE SE 1/4 NE 1/4 OF SECTION 7, T5S, R3W, U.S.B.&M. WHICH BEARS S89°26'29"W 912.10' FROM THE EAST 1/4 CORNER OF SAID SECTION 7, THENCE S21°02'41"E 177.15'; THENCE S68°57'19"W 415.00'; THENCE N21°02'41"W 320.00'; THENCE N68°57'19"E 415.00'; THENCE S21°02'41"E 142.85' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.049 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS S63°02'47"W 1736.72' FROM THE EAST 1/4 CORNER OF SECTION 7, T5S, R3W, U.S.B.&M.  
 END OF ROAD STA. 15+22.80 BEARS S89°26'29"W 912.10' FROM THE EAST 1/4 CORNER OF SECTION 7, T5S, R3W, U.S.B.&M.

SW Cor. Sec. 7  
 Corner Established by Bearing Tree Information (Not Set on Ground)

S89°06'39"W - 2485.89' (Meas.)

Section Line

S89°02'26"W - 2776.25' (Meas.)

Set Stone, Pile of Stones

Section Line

S63°02'47"W - 1736.72' (Meas.)

Set Stone, Pile of Stones

Section Line

N00°56'15"W - 2632.92' (Meas.)

**PETROGLYPH OPERATING CO., INC.**  
**UTE TRIBAL #07-10H**  
**ROAD RIGHT-OF-WAY & SURFACE USE AREA**  
**SECTION 7, T5S, R3W, U.S.B.&M.**

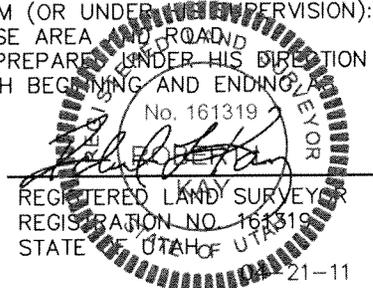
TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1522.80' OR 0.288 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 1.049 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 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, 0.288 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2011.

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

\_\_\_\_\_  
NOTARY PUBLIC  
VERNAL, UTAH

APPLICANT'S CERTIFICATE

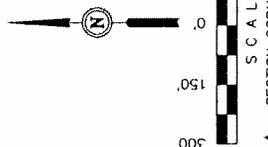
I, \_\_\_\_\_, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, 0.288 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 15+22.80, 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

PETROGLYPH OPERATING CO., INC.  
**PIPELINE RIGHT-OF-WAY  
 ON UTE TRIBAL LANDS**  
 (For UTE TRIBAL #07-10H)

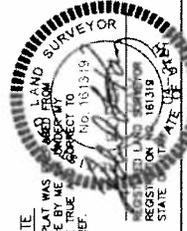
LOCATED IN  
 SECTION 7, T5S, R3W, U.S.B.&M.  
 DUCHESNE COUNTY, UTAH



▲ = SECTION CORNERS LOCATED.  
 BASIS OF BEARINGS

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

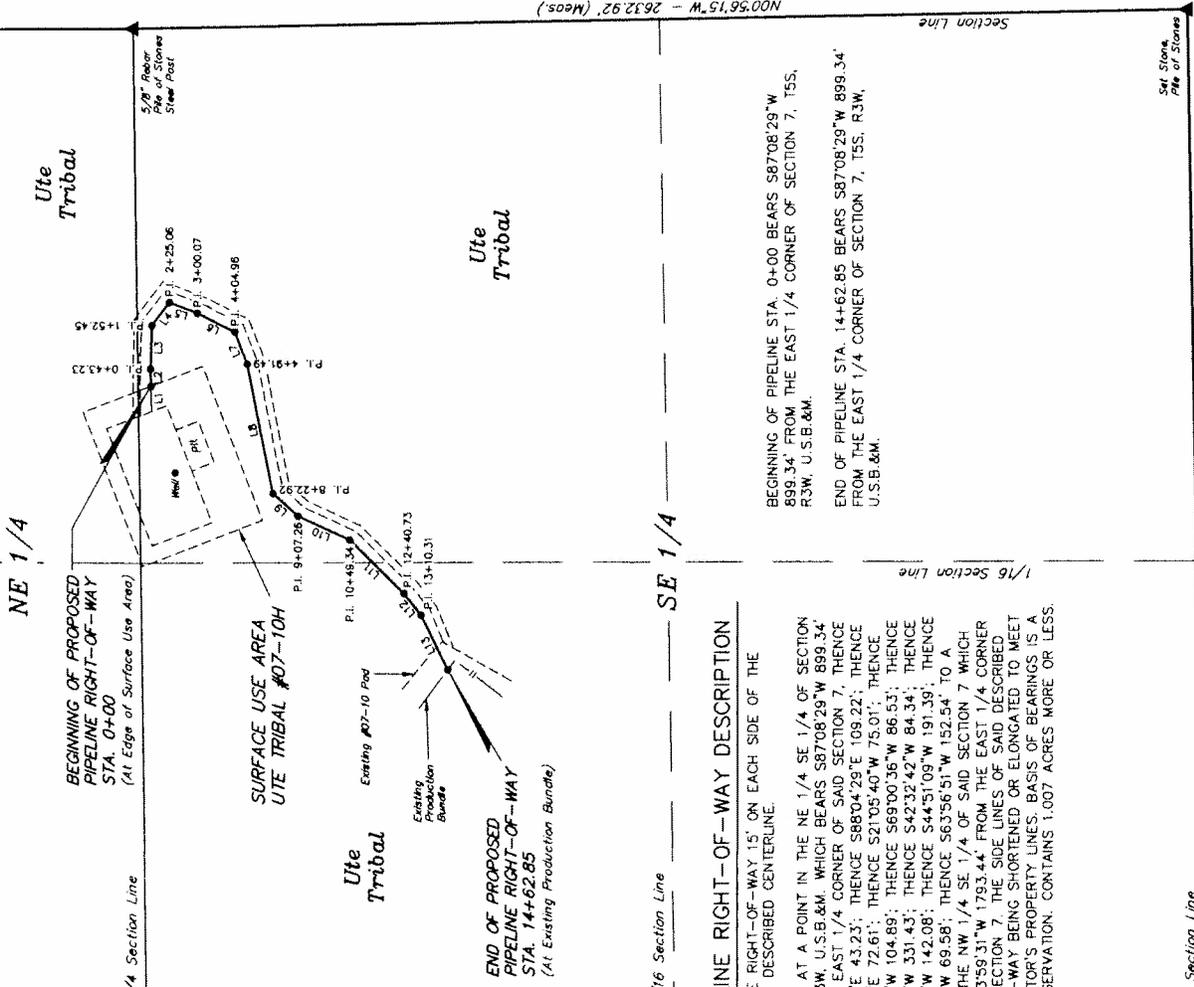
RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	1462.85	1.007	88.66



CERTIFICATE  
 THIS IS TO CERTIFY THAT THE WORK THAT WAS  
 FIELD NOTES OF ACTUAL SURVEY MADE BY ME  
 SUPERVISION AND THAT THE SAME ARE TRUE  
 TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

SCALE	1" = 300'	DATE	04-18-11
PARTY	G.S. G.B. C.C.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	5 0 4 2 6



Sec. 7

LINE	BEARING	LENGTH
L1	N88°26'42"E	63.52'
L2	N88°28'42"E	43.23'
L3	S88°04'29"E	109.22'
L4	S52°54'56"E	72.61'
L5	S21°05'40"W	75.01'
L6	S26°55'38"W	104.89'
L7	S69°00'36"W	96.53'
L8	S78°54'26"W	331.43'
L9	S42°32'42"W	84.34'
L10	S24°56'37"W	142.08'
L11	S44°51'09"W	191.39'
L12	S51°25'39"W	69.58'
L13	S63°56'51"W	152.54'

**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 SE 1/4 OF SECTION  
 7, T5S, R3W, U.S.B.&M. WHICH BEARS S87°08'29"W 899.34'  
 FROM THE EAST 1/4 CORNER OF SAID SECTION 7, THENCE  
 N88°26'42"E 43.23'; THENCE S88°04'29"E 109.22'; THENCE  
 S52°54'56"E 72.61'; THENCE S21°05'40"W 75.01'; THENCE  
 S26°55'38"W 104.89'; THENCE S42°32'42"W 84.34'; THENCE  
 S78°54'26"W 142.08'; THENCE S44°51'09"W 191.39'; THENCE  
 S51°25'39"W 69.58'; THENCE S63°56'51"W 152.54' TO A  
 POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 7 WHICH  
 BEARS S63°59'31"W 1793.44' FROM THE EAST 1/4 CORNER  
 OF SAID SECTION 7. 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 1.007 ACRES MORE OR LESS.

**PIPELINE RIGHT-OF-WAY DESCRIPTION**  
 BEGINNING OF PIPELINE STA. 0+00 BEARS S87°08'29"W  
 899.34' FROM THE EAST 1/4 CORNER OF SECTION 7, T5S,  
 R3W, U.S.B.&M.  
 END OF PIPELINE STA. 14+62.85 BEARS S87°08'29"W 899.34'  
 FROM THE EAST 1/4 CORNER OF SECTION 7, T5S, R3W,  
 U.S.B.&M.

SW Cor. Sec. 7  
 Corner Established  
 by Bearing Tree  
 Information (Not  
 Set on Ground)

S89°02'26"W - 2776.25' (Meas.)

S59°06'39"W - 2485.89' (Meas.)

N00°56'15"W - 2632.92' (Meas.)

SW Stone  
 File of Stones

PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #07-10H  
PIPELINE RIGHT-OF-WAY  
SECTION 7, T5S, R3W, U.S.B.&M.

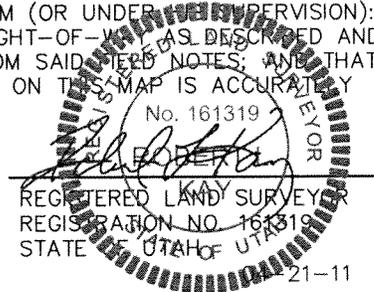
TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1462.85' OR 0.277 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 1.007 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH }  
COUNTY OF UTAH } 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 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, 0.277 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2011.

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

\_\_\_\_\_  
NOTARY PUBLIC  
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, \_\_\_\_\_, 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, 0.277 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 14+62.85, THAT SAID PIPELINE RIGHT-OF-WAY IS 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.

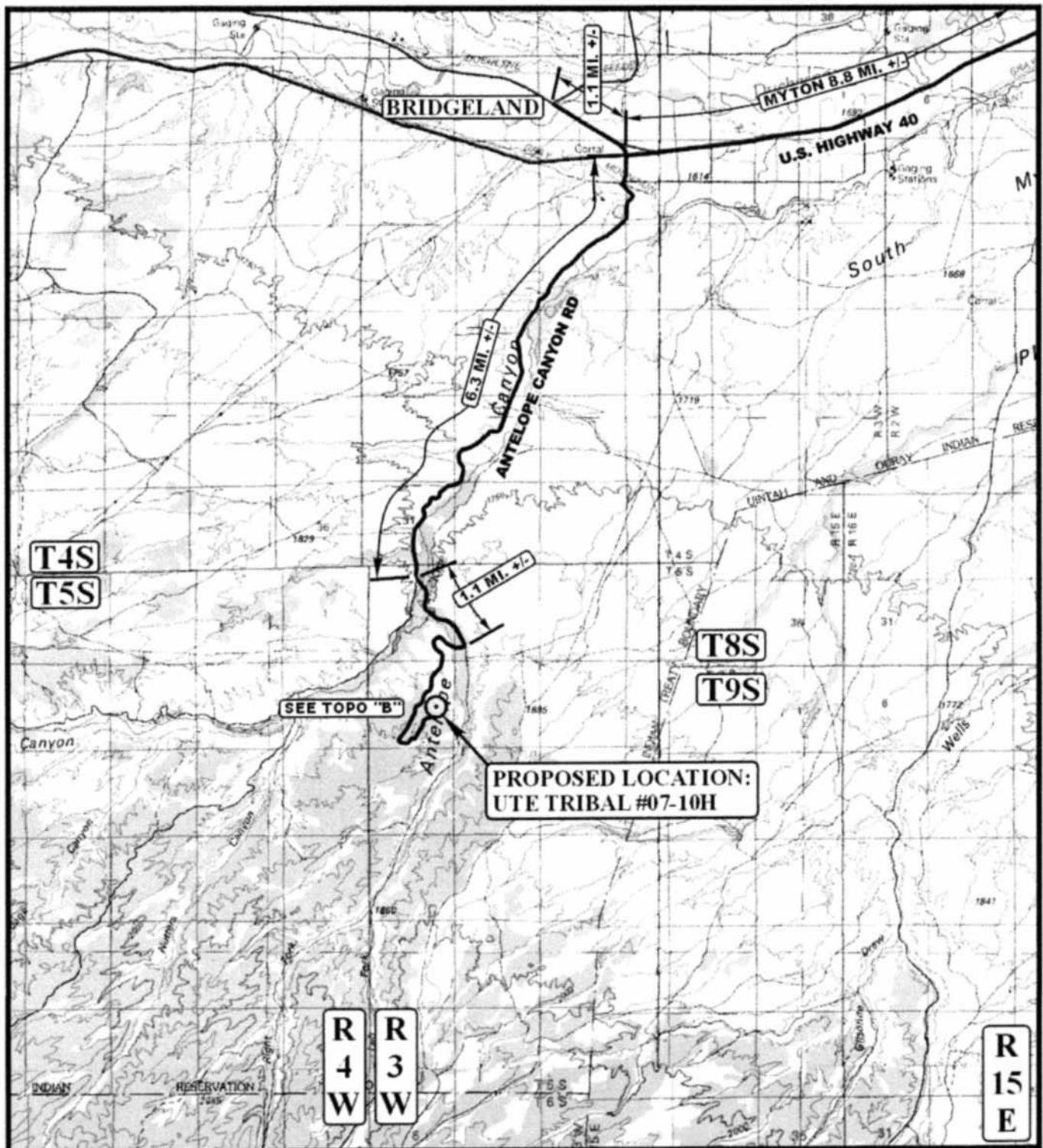
\_\_\_\_\_  
APPLICANT

\_\_\_\_\_  
TITLE

PETROGLYPH OPERATING CO., INC.  
UTE TRIBAL #07-10H  
SECTION 7, T5S, R3W, U.S.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 8.8 MILES TO THE JUNCTION OF THIS ROAD AND ANTELOPE CANYON ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.1 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 FOR THE 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 0.3 MILES TO THE EXISTING #07-10 PAD AND THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1,587' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 18.8 MILES.



**LEGEND:**

⊙ PROPOSED LOCATION

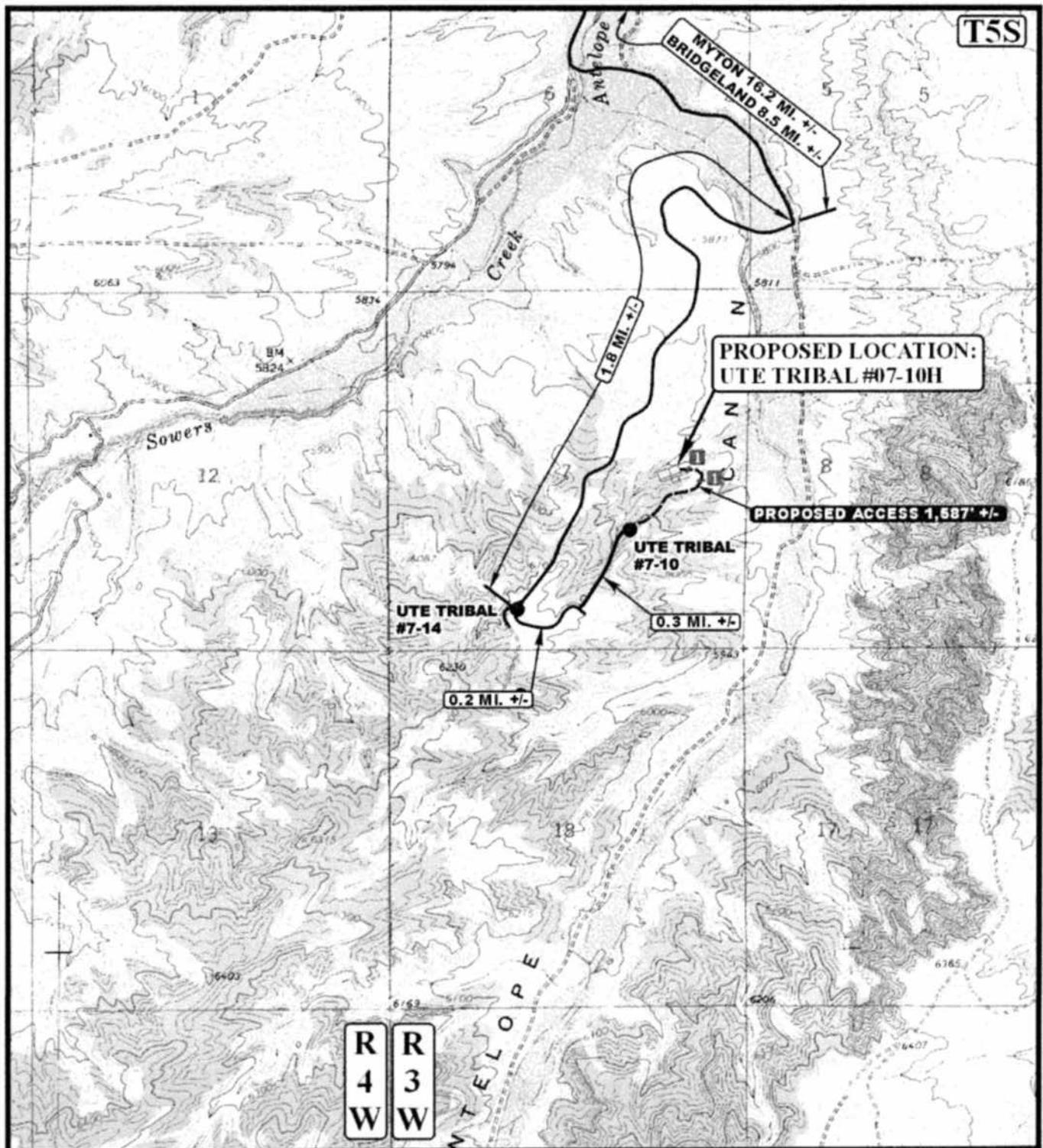


**PETROGLYPH OPERATING CO., INC.**

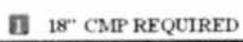
**UTE TRIBAL #07-10H  
SECTION 7, T5S, R3W, U.S.B.&M.  
2546' FSL 1117' FEL**

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

ACCESS ROAD MAP	04 19 11 MONTH DAY YEAR	
SCALE: 1:100,000 DRAWN BY: C.A.G.	REVISED: 00-00-00	



**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  18" CMP REQUIRED



**PETROGLYPH OPERATING CO., INC.**

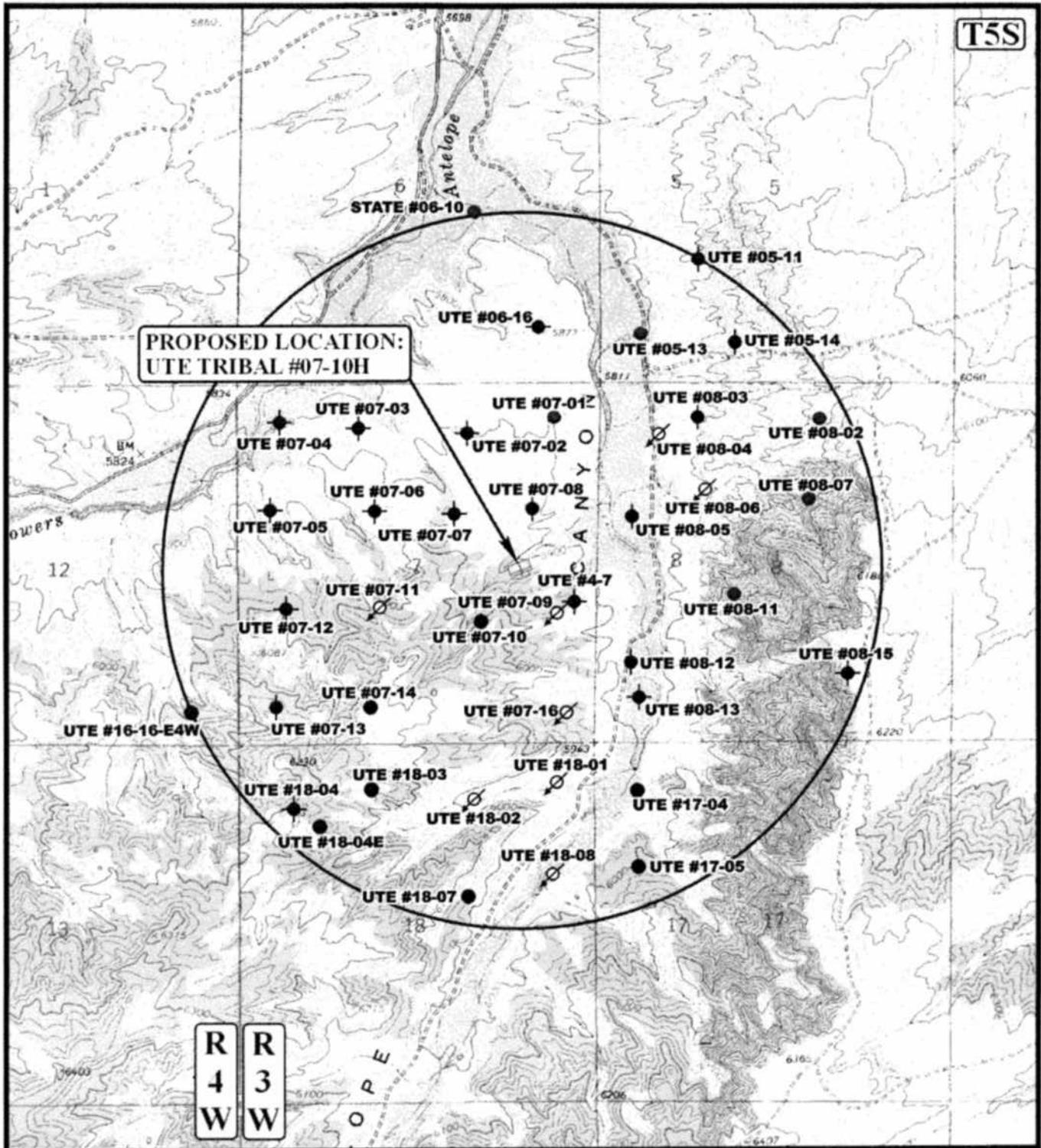
**UTE TRIBAL #07-10H**  
**SECTION 7, T5S, R3W, U.S.B.&M.**  
**2546' FSL 1117' FEL**

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

ACCESS ROAD  
 MAP  
 SCALE: 1" = 2000' DRAWN BY: C.A.G. REVISED: 00-00-00

04	19	11
MONTH	DAY	YEAR

**B**  
 TOPO



T5S

**PROPOSED LOCATION:  
UTE TRIBAL #07-10H**

R  
4  
W

R  
3  
W

**LEGEND:**

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



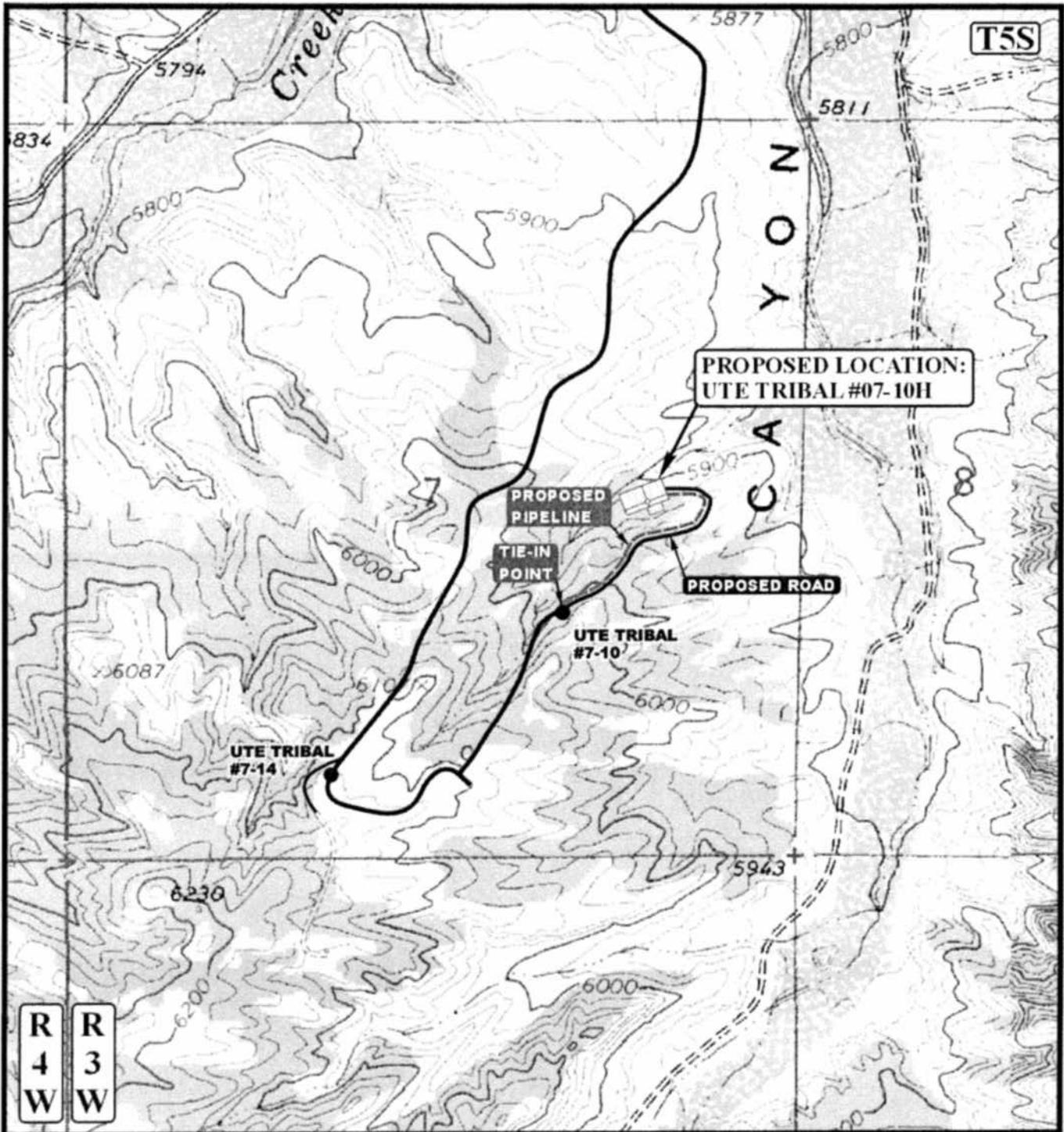
**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #07-10H  
SECTION 7, T5S, R3W, U.S.B.&M.  
2546' FSL 1117' FEL**

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

**TOPOGRAPHIC** 04 19 11  
**MAP** MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: C.A.G. REVISED: 00-00-00

**C**  
**TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,526' +/-

**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  PROPOSED PIPELINE



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #07-10H**  
**SECTION 7, T5S, R3W, U.S.B.&M.**  
**2546' FSL 1117' FEL**



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

**TOPOGRAPHIC**  
**MAP**

<b>04</b>	<b>19</b>	<b>11</b>
MONTH	DAY	YEAR



SCALE: 1" = 1000' DRAWN BY: C.A.G. REVISED: 00-00-00

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
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>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>1. TYPE OF WELL</b> Oil Well	<b>9. API NUMBER:</b> 43013508640000	
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK	
<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> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 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 type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/5/2013	<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.		
As of the date referenced above, this well is waiting for a rig.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 07, 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> 8/6/2013	

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Co. Rig Name/# CapStar 334  
Submitted By Geno Rowland Phone Number 970-361-3271  
Well Name/Number Ute Tribal 07-10H  
Qtr/Qtr NE/SE Section 07 Township 5S Range 3W  
Lease Serial Number 14-20-H62-3506  
API Number 43-013-50864

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

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

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

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

Date/Time 08/12/2013 00:30 AM  PM

BOPE

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

RECEIVED  
AUG 14 2013  
DIV. OF OIL, GAS & MINING

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

Remarks Intend to run 5-1/2" Prod. Casing to a shoe depth of 6546' MD.

<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> 14-20-H62-3506
<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> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. API NUMBER:</b> 43013508640000
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7685 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 Township: 05.0S Range: 03.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK  <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>9/12/2013</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 checked="" 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.

Please see attached.

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

Date: September 19, 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> 9/6/2013	

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

			5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3506
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
			7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: Ute Tribal 07-10H	
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		9. API NUMBER: 4301350864	
3. ADDRESS OF OPERATOR: P.O. Box 607		PHONE NUMBER: (435) 722-2531	10. FIELD AND POOL, OR WILDCAT: Antelope Creek
CITY Roosevelt STATE UT ZIP 84066			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2546' FSL, 1117' FEL			COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 7 5S 3W 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 (Submit in Duplicate)  Approximate date work will start: 9/12/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On or around 9/12/2013, depending on equipment availability, Petroglyph Operating intends to perforate and the following: 3954-57, 3962-70, 3988-94, 3997-4006, 4099-4102, 4142-49, 4228-31, 4634-46, 4648-56, 4744-50, 4782-91, 4907-24, 4926-29, 5057-62, 5097-99, 5102-04, 5106-16, 5118-22, 5126-35, 5142-48, 5166-69, 5385-90, 5394-98, 5401-09, 5411-14, 5417-19, 5428-46, 5449-53, 5539-46, 5671-74, 5692-5700, 5711-14, 5718-20 & 5739-43. All perforations will be made using Titan 3-1/8" Perf Guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120\* Phased. Using Halliburton 8K Composite Plugs for isolation we intent to fracture treat the following intervals:

- 5539-5743: 39,200 Gal of fluid containing 70,000#'s of sand,
- 5385-5453: 50,400 Gal of fluid containing 90,000#'s of sand,
- 5057-5169: 47,600 Gal of fluid containing 85,000#'s of sand,
- 4907-4929: 30,800 Gal of fluid containing 55,000#'s of sand,
- 4744-4791: 28,000 Gal of fluid containing 50,000#'s of sand,
- 4634-4656: 28,000 Gal of fluid containing 50,000#'s of sand,
- 4099-4231: 19,600 Gal of fluid containing 35,000#'s of sand,
- 3954-4006: 30,800 Gal of fluid containing 55,000#'s of sand.

Fluid used will be 15-18# gelled fluid and sand will be 20/40 Mesh Sand. All plugs will drilled out and cleaned out. The well will be swabbed back as needed before being put to pump. Fluid Volumes and amounts of sand are only estimates and will be adjusted as needed during the completion process. Actual figures will be reported at a later date.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE	DATE <u>9/6/2013</u>

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
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>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>1. TYPE OF WELL</b> Oil Well	<b>9. API NUMBER:</b> 43013508640000	
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK	
<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> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 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: <b>9/30/2013</b>  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <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. Please see attached.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 18, 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> 11/19/2013	

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>14-20-H62-3506</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Ute Indian Tribe</b>
		7. UNIT or CA AGREEMENT NAME: <b>14-20-H62-4650</b>
1. TYPE OF WELL <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> _____		8. WELL NAME and NUMBER: <b>Ute Tribal 07-10H</b>
2. NAME OF OPERATOR: <b>Petroglyph Operating Company Inc.</b>		9. API NUMBER: <b>4301350864</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 607</b>	<b>Roosevelt</b> CITY <b>UT</b> STATE <b>84066</b> ZIP	10. FIELD AND POOL, OR WILDCAT: <b>Antelope Creek</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2546' FSL 1117' FEL</b>		COUNTY: <b>Duchesne</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 7 5S 3W U</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start:  <input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: <b>9/30/2013</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 9/12/2013 Petroglyph Operating ran GR/CBL and found ETOC @ Surface', then on 9/16/2013 perforated the following: 5739-43, 5718-20, 5711-14, 5692-5700, 5671-74, 5539-46, 5449-53, 5428-46, 5417-19, 5411-14, 5401-09, 5394-98, 5385-90, 5166-69, 5142-48, 5126-35, 5118-2, 5106-16, 5102-04, 5097-99, 5057-62, 4926-29, 4907-24, 4782-91, 4744-50, 4648-56, 4634-46, 4228-31, 4142-49, 4099-4102, 3997-4006, 3988-94, 3962-70 & 3954-57. We isolated and fracture treated the following intervals:  
 5,539'-5,743': 749 Bbls of fluid containing 70,180#'s of sand,  
 5,385'-5,453': 912 Bbls of fluid containing 356,884#'s of sand,  
 5,057'-5,169': 861 Bbls of fluid containing 85,360#'s of sand,  
 4,907'-4,929': 596 Bbls of fluid containing 55,280#'s of sand,  
 4,744'-4,791': 552 Bbls of fluid containing 50,160#'s of sand,  
 4,634'-4,656': 545 Bbls of fluid containing 48,900#'s of sand,  
 4,099'-4,231': 404 Bbls of fluid containing 35,020#'s of sand,  
 3,954'-4,066': 533 Bbls of fluid containing 55,020#'s of sand.  
 Isolation plugs used were Halliburton 8K Composite Plugs, fluid used was Dyna LP 22 18# gelled fluid, sand used was 20/40 Mesh Premium White Sand and guns used were Titan 3-1/8", containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120\* Phased. All plugs were drilled out and cleaned out to PBTD, 6,403'. We then ran a pump on 9/30/2013 and put to pump.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE	DATE <u>11/19/2013</u>

(This space for State use only)

<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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3506
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 07-10H
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		<b>9. API NUMBER:</b> 43013508640000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2546 FSL 1117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 07 Township: 05.0S Range: 03.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/27/2013	<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 checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

The date of first production for this well was 9/27/2013.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
December 23, 2013**

<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> 12/23/2013	

**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  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR  OTHER \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NUMBER:  
14-20-H62-3506

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Ute Indian Tribe

7. UNIT or CA AGREEMENT NAME  
14-20-H62-4650

8. WELL NAME and NUMBER:  
Ute Tribal 07-10H

2. NAME OF OPERATOR:  
Petroglyph Operating Company, Inc.

9. API NUMBER:  
4301350864

3. ADDRESS OF OPERATOR:  
P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER:  
(435) 722-2531

10. FIELD AND POOL, OR WILDCAT  
Antelope Creek

4. LOCATION OF WELL (FOOTAGES)  
 AT SURFACE: 2546' FSL, 1117' FEL  
 AT TOP PRODUCING INTERVAL REPORTED BELOW: 2531' FSL, 1123' FEL  
 AT TOTAL DEPTH: 2521' FSL, 1121' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NESE 7 5S 3W U

12. COUNTY  
Duchesne

13. STATE  
UTAH

14. DATE SPUDDED: 7/3/2012  
 15. DATE T.D. REACHED: 8/11/2013  
 16. DATE COMPLETED: 9/30/2013  
 ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
5940' RKB

18. TOTAL DEPTH: MD 6,556  
TVD 6,556

19. PLUG BACK T.D.: MD 6,403  
TVD 6,403

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)  
ACTR, SDDSN, Cement Bond Log, Borehole Volume Plot

23. WAS WELL CORED? NO  YES  (Submit analysis)  
 WAS DST RUN? NO  YES  (Submit report)  
 DIRECTIONAL SURVEY? NO  YES  (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
20	14 J-55	75	0	54				0	Conductor
13.375	10.75 J-55	40.5	0	522		G 350	72	0	
7.875	5.5 J-55	15.5	0	6,546		G 1,039	316	0	CBL

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,775							

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) Green River	3,954	5,743	3,954	5,743	3,954 5,743	0.42	824	Open <input checked="" 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
3,954'-5,743'	5,152 Bbls of Dyna LP 22 18# Gelled Fluid containing 756,804 #'s of 20/40 Mesh Sand.

29. ENCLOSED ATTACHMENTS:  
 ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
 GEOLOGIC REPORT  
 CORE ANALYSIS  
 DST REPORT  
 DIRECTIONAL SURVEY  
 OTHER: \_\_\_\_\_

30. WELL STATUS:  
**POW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 9/27/2013		TEST DATE: 11/8/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 50	GAS - MCF: 11	WATER - BBL: 93	PROD. METHOD: Rod Pump
CHOKE SIZE: 28/64	TBG. PRESS. 150	CSG. PRESS. 228	API GRAVITY 41.00	BTU - GAS 1	GAS/OIL RATIO 220	24 HR PRODUCTION RATES: →	OIL - BBL: 50	GAS - MCF: 11	WATER - BBL: 93	INTERVAL STATUS: Open

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.)

Used for Fuel

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.

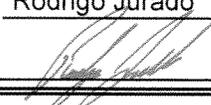
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Mahogany	2,714
				Garden Gulch	3,417
				B Marker	3,815
				X Marker	4,307
				Y Marker	4,344
				Douglas Creek	4,450
				B Lime	4,834
				Castle Peak	5,378
				Basal Carbonate	5,802
				Wasatch	6,074

35. ADDITIONAL REMARKS (Include plugging procedure)

All Frac and Perf data is condensed. Please see NOI and Subsequent Frac Sundry for a detailed record.

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 12/4/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- 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 Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801



Job Number: UT131406  
 Company: Petroglyph  
 Lease/Well: Ute Tribal\_07-10H  
 Location: Sec. 7, T5S, R3W  
 Rig Name: Capstar #334  
 RKB: 5940'  
 G.L. or M.S.L.: GL\_5927'

State/Country: Utah/USA  
 Declination: 11.13  
 Grid: True  
 File name: C:\DOCUMENT-1\PAYZONE\DESKTOP\UTETRI-2\UT131406.SVY  
 Date/Time: 11-Aug-13 / 07:42  
 Curve Name: Ute Tribal\_07-10H\_Actual

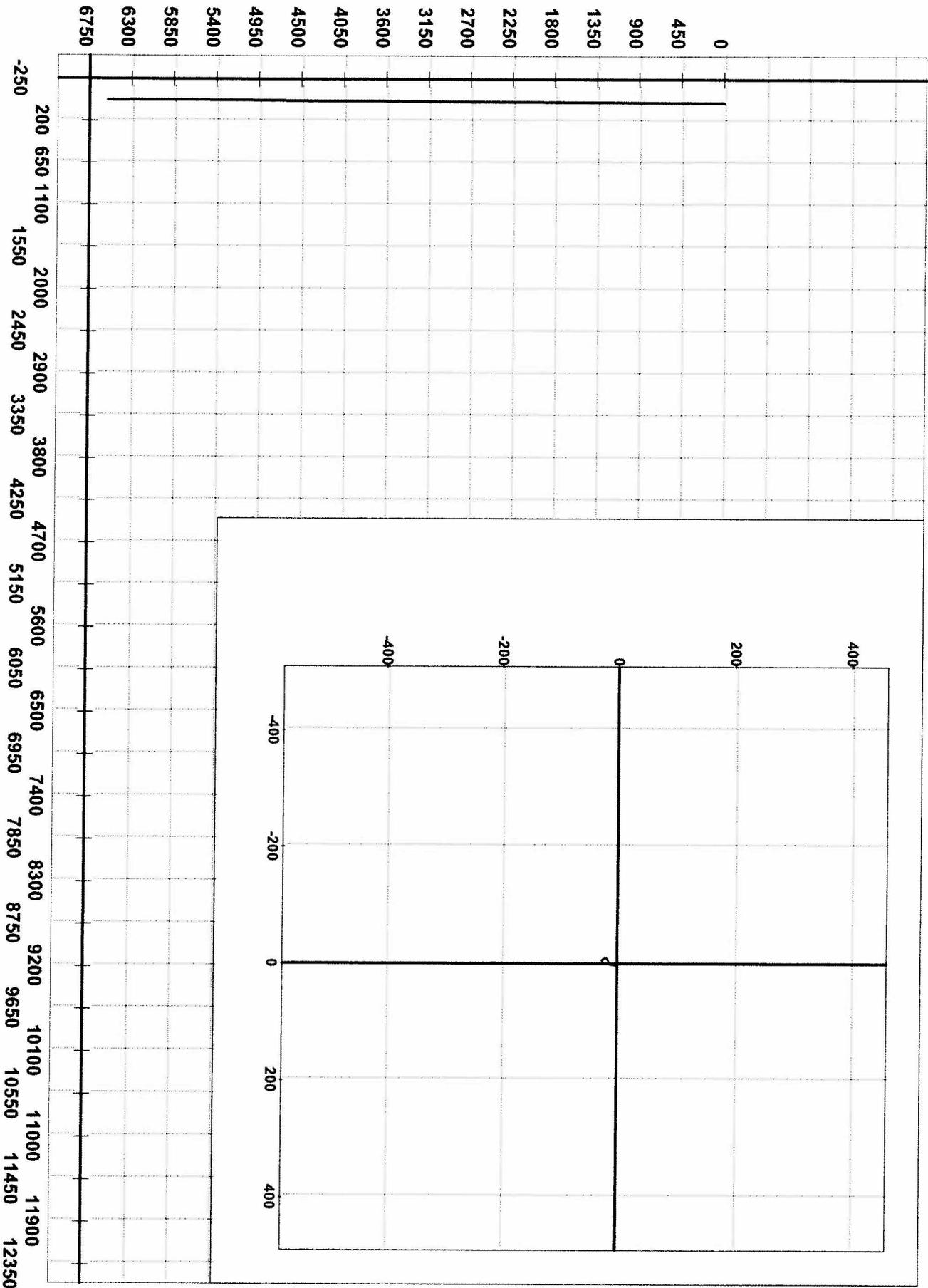
**Payzone Directional Services LLC**

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane .00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
687.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1129.00	.40	136.19	686.99	-1.73	1.66	-1.73	2.40	136.19	.06
1585.00	.26	132.89	1128.99	-3.53	3.46	-3.53	4.94	135.52	.03
2042.00	.53	215.11	1584.98	-5.96	3.01	-5.96	6.67	153.20	.12
2498.00	.44	170.77	2041.96	-9.42	2.07	-9.42	9.64	167.58	.08
2955.00	.09	263.76	2497.96	-11.18	2.00	-11.18	11.36	169.87	.10
3411.00	.35	207.42	2954.96	-12.46	1.00	-12.46	12.50	175.42	.07
3868.00	.44	251.15	3410.95	-14.26	-1.30	-14.26	14.32	185.20	.07
4325.00	.66	256.91	3867.92	-15.43	-5.52	-15.43	16.39	199.70	.05
	.44	210.98	4324.91	-17.53	-8.99	-17.53	19.70	207.15	.10

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
4781.00	.48	185.06	4780.89	-20.93	-10.06	-20.93	23.22	205.67	.05
5237.00	.83	108.63	5236.87	-23.89	-7.10	-23.89	24.92	196.55	.19
5694.00	.80	231.40	5693.84	-26.94	-6.46	-26.94	27.70	193.48	.31
6151.00	.79	46.09	6150.83	-26.74	-6.68	-26.74	27.56	194.02	.35
<b>TD Survey</b> 6494.00	.31	82.36	6493.81	-24.98	-4.06	-24.98	25.31	189.22	.17
<b>TD Projection to Bit</b> 6556.00	.31	82.36	6555.81	-24.93	-3.72	-24.93	25.21	188.49	.00

RECEIVED: Dec 4 2013



**REPORT OF WATER ENCOUNTERED DURING DRILLING**

Well name and number: Ute Tribal 07-10H

API number: 4301350864

Well Location: QQ NESE Section 7 Township 5S Range 3W County Duchesne

Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 607

city Roosevelt state UT zip 84066

Phone: (435) 722-2531

Drilling contractor: Craig's Roustabout Service

Address: 5053 South 4625 East

city Vernal state UT zip 84078

Phone: (435) 781-1366

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	550	0	No Water Encountered

Formation tops:            1 \_\_\_\_\_            2 \_\_\_\_\_            3 \_\_\_\_\_  
 (Top to Bottom)            4 \_\_\_\_\_            5 \_\_\_\_\_            6 \_\_\_\_\_  
                                      7 \_\_\_\_\_            8 \_\_\_\_\_            9 \_\_\_\_\_  
                                      10 \_\_\_\_\_            11 \_\_\_\_\_            12 \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Rodrigo Jurado

TITLE Regulatory Compliance Specialist

SIGNATURE 

DATE 8/10/2012