

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Ute Tribal 36-12				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BRUNDAGE CANYON				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR PETROGLYPH OPERATING CO						7. OPERATOR PHONE 208 685-7685				
8. ADDRESS OF OPERATOR 960 Broadway Avenue, Ste 500, Boise, ID, 83703						9. OPERATOR E-MAIL ppowell@pgei.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H624745			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		985 FSL 956 FWL		SWSW	36	5.0 S	4.0 W	U		
Top of Uppermost Producing Zone		1980 FSL 660 FWL		NWSW	36	5.0 S	4.0 W	U		
At Total Depth		1980 FSL 660 FWL		NWSW	36	5.0 S	4.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 956			23. NUMBER OF ACRES IN DRILLING UNIT 640				
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 37			26. PROPOSED DEPTH MD: 6221 TVD: 6075			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8342				
27. ELEVATION - GROUND LEVEL 6837			28. BOND NUMBER LPM4138336							
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	14	0 - 53	5.0	Unknown	10.0	Class G	25	1.17	15.8
Surf	12.25	8.625	0 - 493	24.0	J-55 ST&C	10.0	Class G	226	1.17	15.8
Prod	7.875	5.5	0 - 6221	15.5	J-55 LT&C	10.0	Class G	466	1.92	12.5
							Class G	347	1.46	13.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Ed Trotter				TITLE Agent			PHONE 435 789-4120			
SIGNATURE				DATE 04/15/2014			EMAIL edtrotter@easilink.com			
API NUMBER ASSIGNED 43013529380000				APPROVAL  Permit Manager						

CONFIDENTIAL
NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 36-12
SW SW, SEC 36, T5S, R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Formation		Subsea	TVD	MD
Rig KB~13' above GGL		6850	0	0
Surface Formation = Uinta				
Uinta		6837	13	13
Green River		5452	1398	1403
Trona		4233	2617	2677
Mahogany Shale		4035	2815	2890
"B" Marker	Waterflood Unit Interval	3010	3840	3972
"X" Marker		2523	4327	4469
Douglas Creek Marker		2380	4470	4614
"B" Limestone		2004	4846	4992
Base Castle Peak Limestone		1458	5392	5538
BSCARB		1024	5826	5972
Wasatch		767	NDE	NDE
Formation at TD: Green River	Rig TD	775	6075	6221

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

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	6000	850	851
Oil/Gas	Douglas Creek	2380	4470	4614
Oil/Gas	Castle Peak	1458	5392	5538

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

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

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

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



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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"	8-5/8"	surface	493'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	6221'	15.5	J-55	LTC

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

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 3972' MD.

4. PROPOSED CEMENTING PROGRAM:

String	Top	Cement Description	Sacks	Excess	Weight (ppg)	Yield (ft ³ /sk)
	Bottom		Vol (ft ³)			
Conductor	0 53	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 493	Class G +2% CaCl ₂ +0.25 lb/sk Cello Flake	226 264	30%	15.8	1.17
Production Lead	0 3972	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR ¹ / ₄ (LCM)	466 895	30%	12.5	1.92
Production Tail	3972 6221	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR ¹ / ₄ (LCM)	347 507	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary cementing operation the cement does not circulate to surface, a remedial cementing operation shall be performed only if necessary to lift cement above the Surface Casing Shoe at 493' MD.



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5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:

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

BOPE TESTING PROCEDURE:

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

6. MUD PROGRAM:

A. SURFACE HOLE

- The surface hole will be drilled with an air/mist system from 0' to 493'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
 - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
 - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
 - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
 - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.



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B. PRODUCTION HOLE

- The production hole shall be drilled with a freshwater polymer system from 493' to 6221'. LSND mud if conditions warrant.
- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.
- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.
- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.
- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.
- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.
- A mud-gas separator shall be available on location.

C. HAZARDOUS MATERIALS AND POLLUTANTS

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



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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 H₂S 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 1555 PSI (0.25 PSI/ft gradient).
- This well is NOT in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.433 PSI/ft gradient .

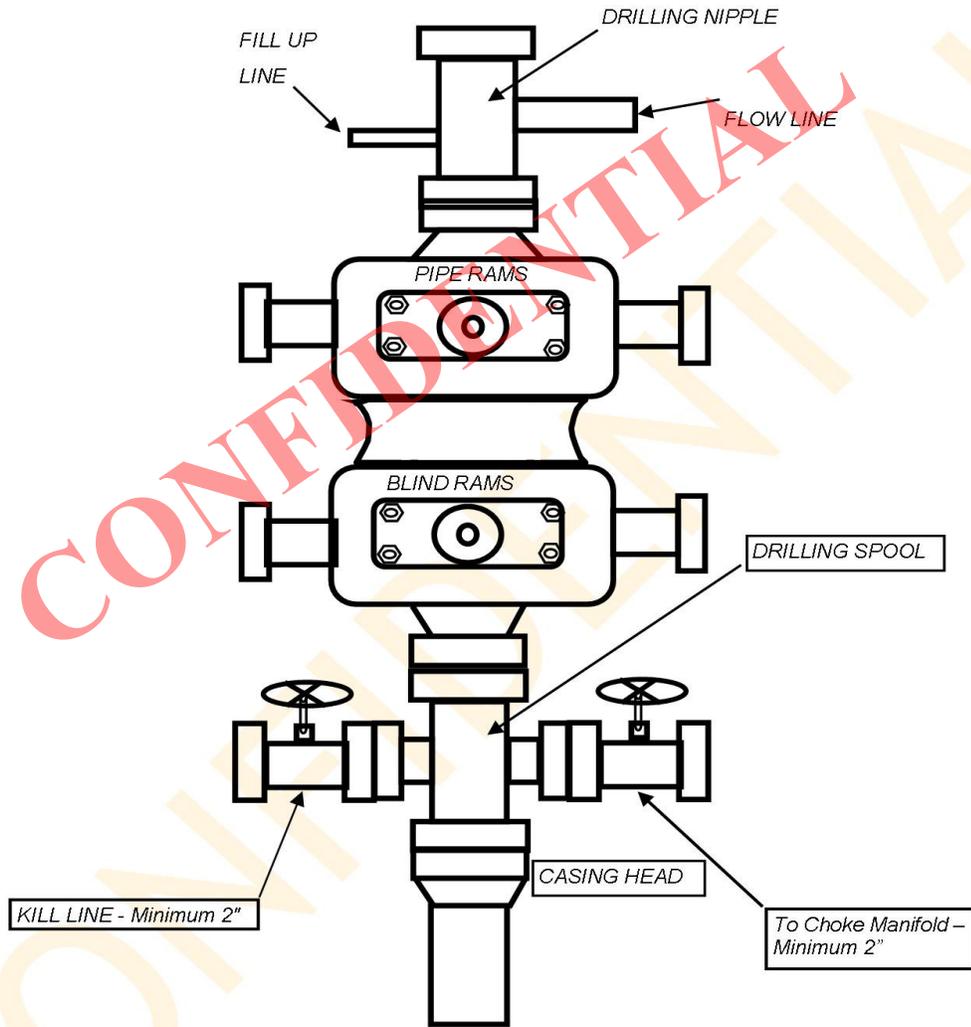
9. DIRECTIONAL WELL PLAN:

- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 3972' to 5972', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.



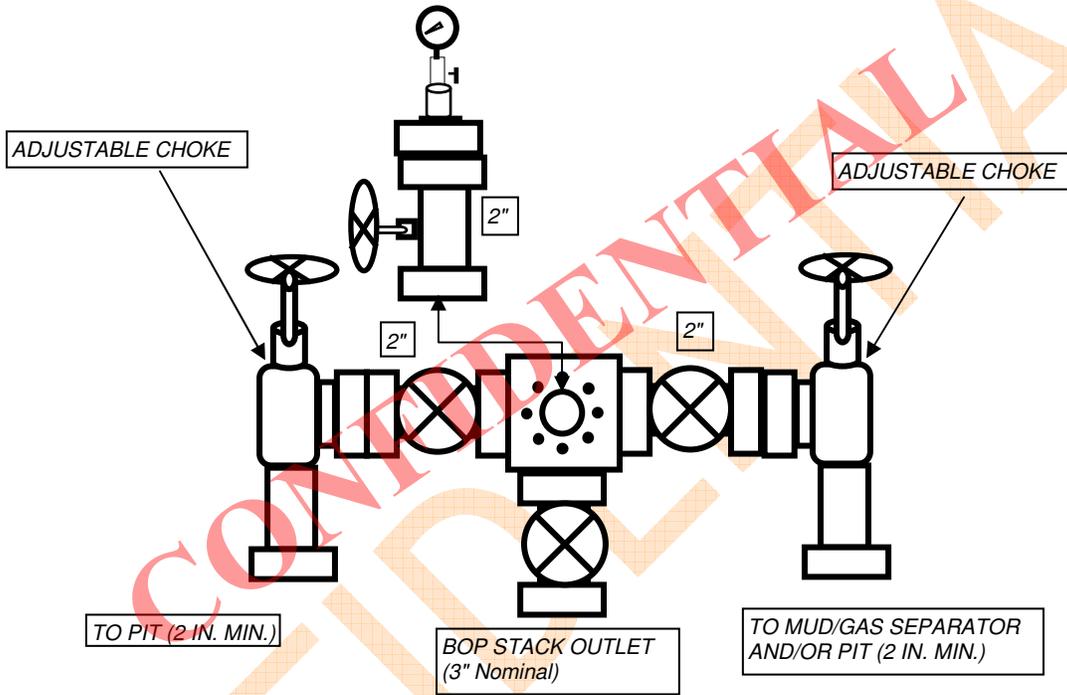
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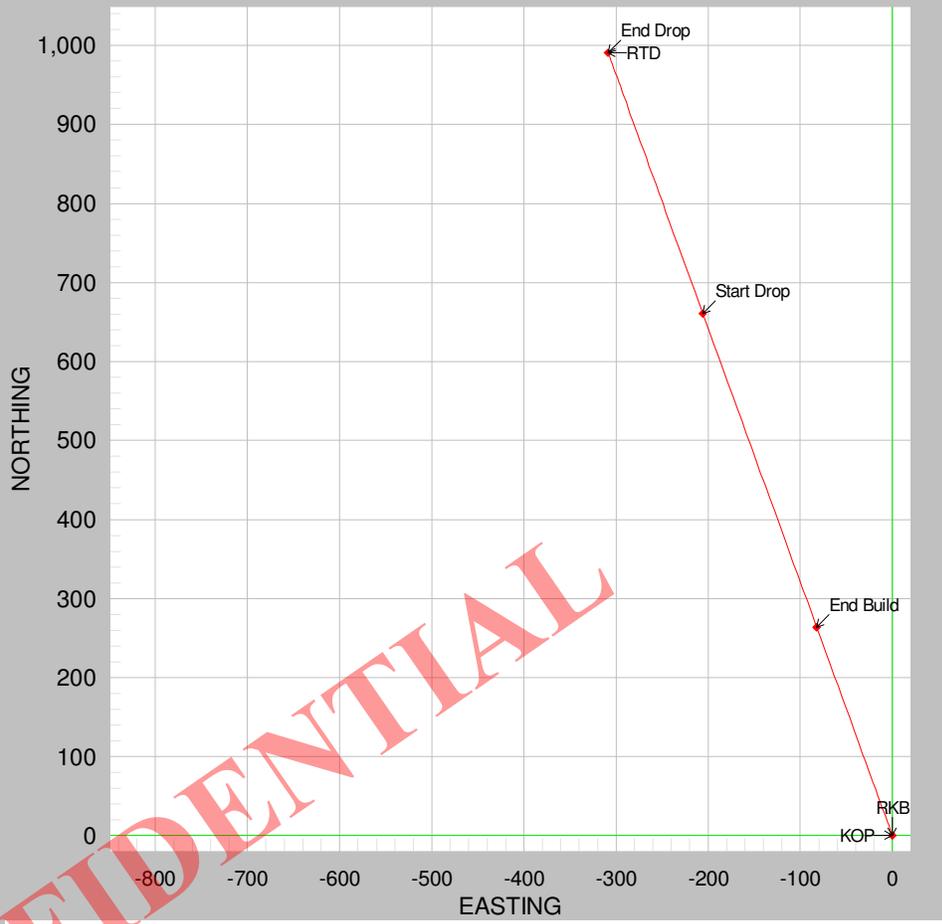
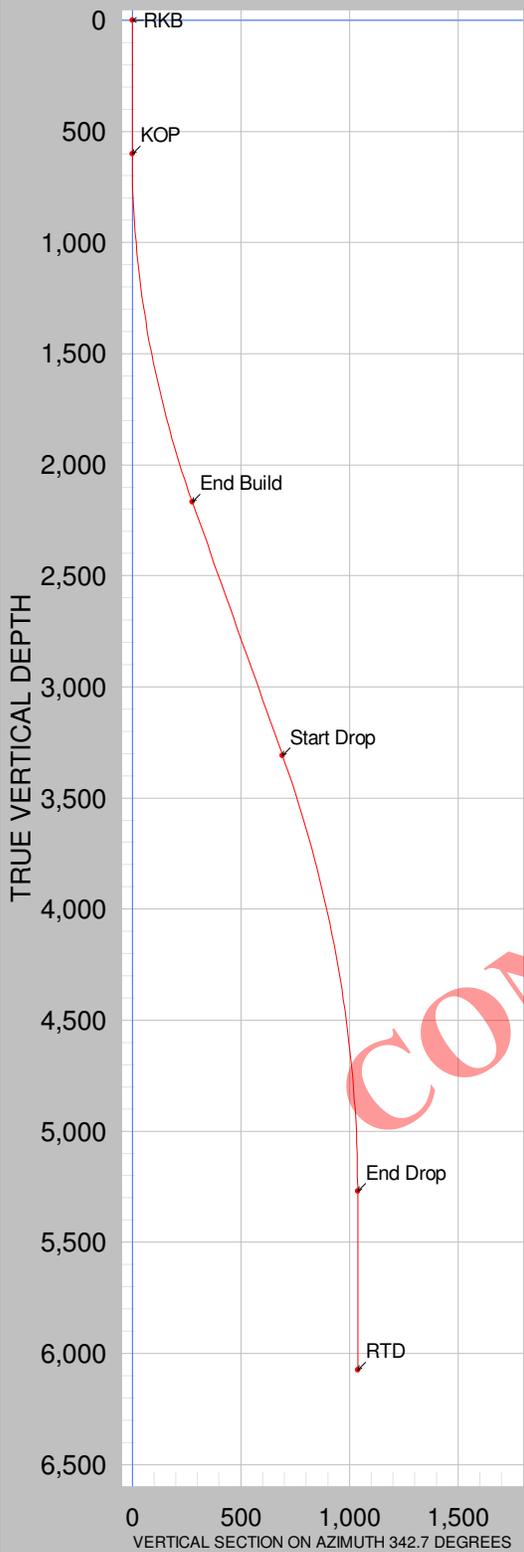
TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER



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





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#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	2200.00	20.00	342.70	2167.70	263.92	-82.20	1.25	276.43
3	Start Drop	Tangent	3415.00	20.00	342.70	3309.43	660.68	-205.78	0.00	691.98
4	End Drop	Drop	5415.00	0.00	0.00	5269.06	990.58	-308.53	1.00	1037.52
5	RTD	Vertical	6221.00	0.00	0.00	6075.06	990.58	-308.53	0.00	1037.52

36-12, Plan 1

Operator	Units feet, %/100ft	11:46 Thursday, March 06, 2014 Page 1 of 4
Field	County Duchesne	Vertical Section Azimuth 342.7
Well Name 36-12	State UT	Survey Calculation Method Minimum Curvature
Plan 1	Country USA	Database Access

Location	SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL	MapZone	Lat Long Ref
Site		SurfaceX	Surface Long
Slot Name	UWI	SurfaceY	Surface Lat
Well Number	API	Z Datum	
Project		Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	342.7	650.00	0.26	-0.08	1.25	0.27			
700.00	1.25	342.7	699.99	1.04	-0.32	1.25	1.09			
750.00	1.88	342.7	749.97	2.34	-0.73	1.25	2.45			
800.00	2.50	342.7	799.94	4.17	-1.30	1.25	4.36			
850.00	3.13	342.7	849.88	6.51	-2.03	1.25	6.82			
900.00	3.75	342.7	899.79	9.37	-2.92	1.25	9.81			
950.00	4.38	342.7	949.66	12.75	-3.97	1.25	13.36			
1000.00	5.00	342.7	999.49	16.65	-5.19	1.25	17.44			
1050.00	5.63	342.7	1049.28	21.07	-6.56	1.25	22.07			
1100.00	6.25	342.7	1099.01	26.01	-8.10	1.25	27.24			
1150.00	6.88	342.7	1148.68	31.47	-9.80	1.25	32.96			
1200.00	7.50	342.7	1198.29	37.44	-11.66	1.25	39.21			
1250.00	8.13	342.7	1247.82	43.93	-13.68	1.25	46.01			
1300.00	8.75	342.7	1297.28	50.93	-15.86	1.25	53.35			
1350.00	9.38	342.7	1346.66	58.45	-18.21	1.25	61.22			
1400.00	10.00	342.7	1395.94	66.49	-20.71	1.25	69.64			
1450.00	10.63	342.7	1445.14	75.03	-23.37	1.25	78.59			
1500.00	11.25	342.7	1494.23	84.09	-26.19	1.25	88.07			
1550.00	11.88	342.7	1543.21	93.66	-29.17	1.25	98.10			
1600.00	12.50	342.7	1592.09	103.74	-32.31	1.25	108.65			
1650.00	13.13	342.7	1640.84	114.32	-35.61	1.25	119.74			

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Operator		Units	feet, %/100ft	11:46 Thursday, March 06, 2014 Page 2 of 4	
Field		County	Duchesne	Vertical Section Azimuth	342.7
Well Name	36-12	State	UT	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access

Location	SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL		MapZone	Lat Long Ref
Site			SurfaceX	Surface Long
Slot Name		UWI	SurfaceY	Surface Lat
Well Number		API	Z Datum	
Project			Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
1700.00	13.75	342.7	1689.47	125.42	-39.06	1.25	131.36			
1750.00	14.38	342.7	1737.97	137.02	-42.68	1.25	143.51			
1800.00	15.00	342.7	1786.34	149.12	-46.45	1.25	156.18			
1850.00	15.63	342.7	1834.56	161.73	-50.37	1.25	169.39			
1900.00	16.25	342.7	1882.64	174.83	-54.45	1.25	183.12			
1950.00	16.88	342.7	1930.57	188.44	-58.69	1.25	197.37			
2000.00	17.50	342.7	1978.33	202.55	-63.09	1.25	212.15			
2050.00	18.13	342.7	2025.94	217.15	-67.64	1.25	227.44			
2100.00	18.75	342.7	2073.37	232.25	-72.34	1.25	243.25			
2150.00	19.38	342.7	2120.63	247.84	-77.19	1.25	259.58			
*** END BUILD (at MD = 2200.00)										
2200.00	20.00	342.7	2167.70	263.92	-82.20	1.25	276.43			
2250.00	20.00	342.7	2214.69	280.25	-87.29	0.00	293.53			
2300.00	20.00	342.7	2261.67	296.58	-92.37	0.00	310.63			
2350.00	20.00	342.7	2308.66	312.91	-97.46	0.00	327.73			
2400.00	20.00	342.7	2355.64	329.23	-102.54	0.00	344.83			
2450.00	20.00	342.7	2402.63	345.56	-107.63	0.00	361.93			
2500.00	20.00	342.7	2449.61	361.89	-112.72	0.00	379.03			
2550.00	20.00	342.7	2496.60	378.21	-117.80	0.00	396.14			
2600.00	20.00	342.7	2543.58	394.54	-122.89	0.00	413.24			
2650.00	20.00	342.7	2590.57	410.87	-127.97	0.00	430.34			
2700.00	20.00	342.7	2637.55	427.20	-133.06	0.00	447.44			
2750.00	20.00	342.7	2684.54	443.52	-138.14	0.00	464.54			
2800.00	20.00	342.7	2731.52	459.85	-143.23	0.00	481.64			
2850.00	20.00	342.7	2778.51	476.18	-148.31	0.00	498.74			
2900.00	20.00	342.7	2825.49	492.51	-153.40	0.00	515.84			
2950.00	20.00	342.7	2872.47	508.83	-158.48	0.00	532.94			
3000.00	20.00	342.7	2919.46	525.16	-163.57	0.00	550.04			
3050.00	20.00	342.7	2966.44	541.49	-168.65	0.00	567.15			
3100.00	20.00	342.7	3013.43	557.82	-173.74	0.00	584.25			
3150.00	20.00	342.7	3060.41	574.14	-178.83	0.00	601.35			
3200.00	20.00	342.7	3107.40	590.47	-183.91	0.00	618.45			
3250.00	20.00	342.7	3154.38	606.80	-189.00	0.00	635.55			
3300.00	20.00	342.7	3201.37	623.13	-194.08	0.00	652.65			
3350.00	20.00	342.7	3248.35	639.45	-199.17	0.00	669.75			

36-12, Plan 1

Operator		Units	feet, %/100ft	11:46 Thursday, March 06, 2014 Page 3 of 4	
Field		County	Duchesne	Vertical Section Azimuth	342.7
Well Name	36-12	State	UT	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access

Location	SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL		MapZone	Lat Long Ref
Site			SurfaceX	Surface Long
Slot Name		UWI	SurfaceY	Surface Lat
Well Number		API	Z Datum	
Project			Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
3400.00	20.00	342.7	3295.34	655.78	-204.25	0.00	686.85			
*** START DROP (at MD = 3415.00)										
3415.00	20.00	342.7	3309.43	660.68	-205.78	0.00	691.98			
3450.00	19.65	342.7	3342.36	672.01	-209.31	1.00	703.85			
3500.00	19.15	342.7	3389.52	687.87	-214.25	1.00	720.46			
3550.00	18.65	342.7	3436.82	703.33	-219.06	1.00	736.66			
3600.00	18.15	342.7	3484.27	718.40	-223.76	1.00	752.44			
3650.00	17.65	342.7	3531.85	733.07	-228.33	1.00	767.81			
3700.00	17.15	342.7	3579.56	747.35	-232.77	1.00	782.76			
3750.00	16.65	342.7	3627.40	761.23	-237.10	1.00	797.29			
3800.00	16.15	342.7	3675.36	774.70	-241.29	1.00	811.41			
3850.00	15.65	342.7	3723.45	787.78	-245.37	1.00	825.11			
3900.00	15.15	342.7	3771.65	800.46	-249.32	1.00	838.39			
3950.00	14.65	342.7	3819.97	812.73	-253.14	1.00	851.24			
4000.00	14.15	342.7	3868.40	824.61	-256.84	1.00	863.68			
4050.00	13.65	342.7	3916.94	836.07	-260.41	1.00	875.69			
4100.00	13.15	342.7	3965.58	847.14	-263.85	1.00	887.28			
4150.00	12.65	342.7	4014.31	857.79	-267.17	1.00	898.44			
4200.00	12.15	342.7	4063.15	868.05	-270.37	1.00	909.18			
4250.00	11.65	342.7	4112.07	877.89	-273.43	1.00	919.49			
4300.00	11.15	342.7	4161.09	887.33	-276.37	1.00	929.37			
4350.00	10.65	342.7	4210.18	896.35	-279.18	1.00	938.82			
4400.00	10.15	342.7	4259.36	904.97	-281.87	1.00	947.85			
4450.00	9.65	342.7	4308.62	913.18	-284.42	1.00	956.45			
4500.00	9.15	342.7	4357.95	920.97	-286.85	1.00	964.61			
4550.00	8.65	342.7	4407.34	928.36	-289.15	1.00	972.35			
4600.00	8.15	342.7	4456.81	935.33	-291.32	1.00	979.65			
4650.00	7.65	342.7	4506.33	941.89	-293.37	1.00	986.52			
4700.00	7.15	342.7	4555.92	948.04	-295.28	1.00	992.96			
4750.00	6.65	342.7	4605.55	953.78	-297.07	1.00	998.97			
4800.00	6.15	342.7	4655.24	959.10	-298.73	1.00	1004.54			
4850.00	5.65	342.7	4704.98	964.01	-300.25	1.00	1009.68			
4900.00	5.15	342.7	4754.76	968.50	-301.65	1.00	1014.39			
4950.00	4.65	342.7	4804.57	972.58	-302.92	1.00	1018.66			
5000.00	4.15	342.7	4854.43	976.24	-304.06	1.00	1022.50			

36-12, Plan 1

Operator		Units	feet, %/100ft	11:46 Thursday, March 06, 2014 Page 4 of 4	
Field		County	Duchesne	Vertical Section Azimuth	342.7
Well Name	36-12	State	UT	Survey Calculation Method	Minimum Curvature
Plan	1	Country	USA	Database	Access

Location	SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL		MapZone	Lat Long Ref
Site			SurfaceX	Surface Long
Slot Name	UWI		SurfaceY	Surface Lat
Well Number	API		Z Datum	
Project			Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
5050.00	3.65	342.7	4904.31	979.49	-305.08	1.00	1025.90			
5100.00	3.15	342.7	4954.22	982.32	-305.96	1.00	1028.86			
5150.00	2.65	342.7	5004.16	984.73	-306.71	1.00	1031.39			
5200.00	2.15	342.7	5054.11	986.73	-307.33	1.00	1033.49			
5250.00	1.65	342.7	5104.09	988.31	-307.83	1.00	1035.14			
5300.00	1.15	342.7	5154.07	989.48	-308.19	1.00	1036.36			
5350.00	0.65	342.7	5204.06	990.23	-308.42	1.00	1037.15			
5400.00	0.15	342.7	5254.06	990.56	-308.53	1.00	1037.50			
*** END DROP (at MD = 5415.00)										
5415.00	0.00	0.0	5269.06	990.58	-308.53	1.00	1037.52			
5450.00	0.00	0.0	5304.06	990.58	-308.53	0.00	1037.52			
5500.00	0.00	0.0	5354.06	990.58	-308.53	0.00	1037.52			
5550.00	0.00	0.0	5404.06	990.58	-308.53	0.00	1037.52			
5600.00	0.00	0.0	5454.06	990.58	-308.53	0.00	1037.52			
5650.00	0.00	0.0	5504.06	990.58	-308.53	0.00	1037.52			
5700.00	0.00	0.0	5554.06	990.58	-308.53	0.00	1037.52			
5750.00	0.00	0.0	5604.06	990.58	-308.53	0.00	1037.52			
5800.00	0.00	0.0	5654.06	990.58	-308.53	0.00	1037.52			
5850.00	0.00	0.0	5704.06	990.58	-308.53	0.00	1037.52			
5900.00	0.00	0.0	5754.06	990.58	-308.53	0.00	1037.52			
5950.00	0.00	0.0	5804.06	990.58	-308.53	0.00	1037.52			
6000.00	0.00	0.0	5854.06	990.58	-308.53	0.00	1037.52			
6050.00	0.00	0.0	5904.06	990.58	-308.53	0.00	1037.52			
6100.00	0.00	0.0	5954.06	990.58	-308.53	0.00	1037.52			
6150.00	0.00	0.0	6004.06	990.58	-308.53	0.00	1037.52			
6200.00	0.00	0.0	6054.06	990.58	-308.53	0.00	1037.52			
*** RTD (at MD = 6221.00)										
6221.00	0.00	0.0	6075.06	990.58	-308.53	0.00	1037.52			

T5S, R4W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

Well location, UTE TRIBAL #36-12, located as shown in the SW 1/4 SW 1/4 of Section 36, T5S, R4W, U.S.B.&M., Duchesne County, Utah.

Set Marked Stone,
Pile of Stones, E-W
Fence Line 2.5' South,
Fence Post W/Pile of
Stones 5' SWLY

R
4
W

R
3
W

S88°57'48"W - 5233.65' (Meas.)

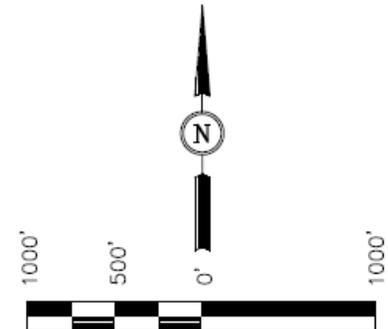
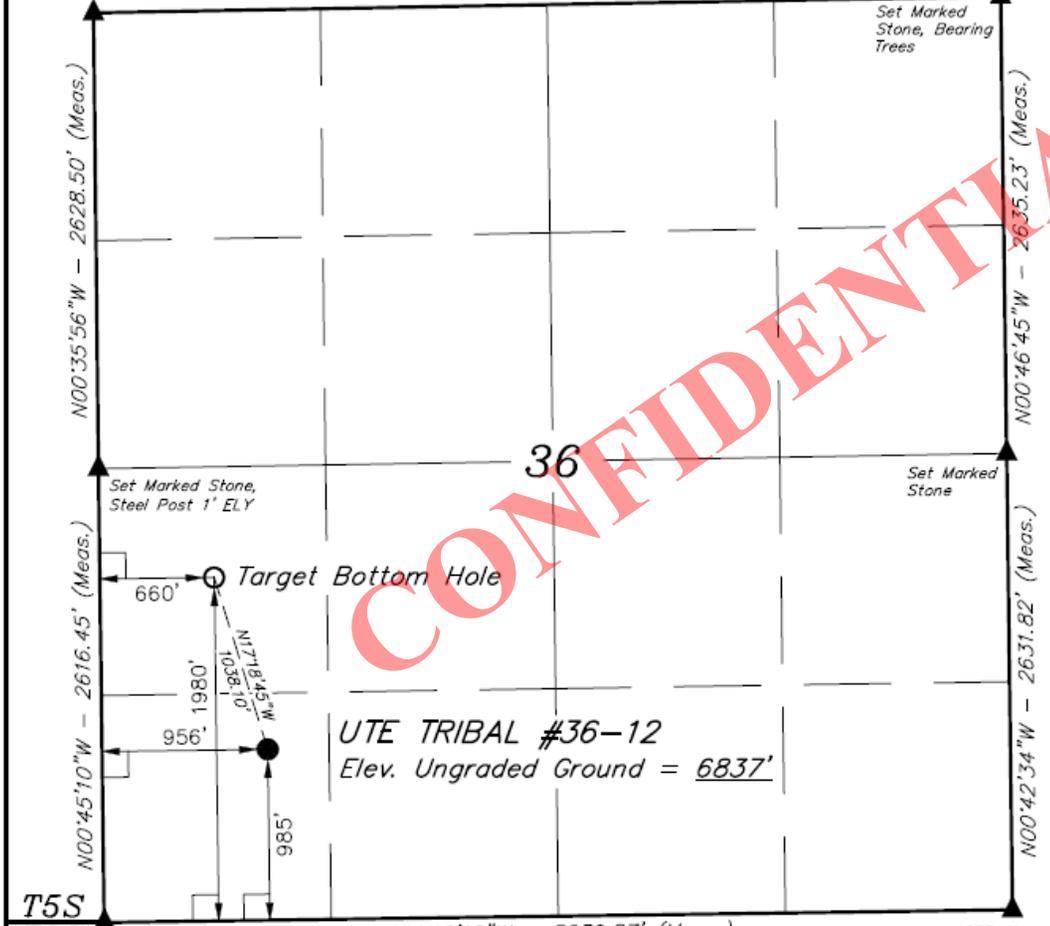
Set Marked
Stone, Bearing
Trees

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



SCALE
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

UTE TRIBAL #36-12
Elev. Ungraded Ground = 6837'

T5S
T6S

S89°12'19"W - 5239.87' (Meas.)

1983 Alum. Cap,
1.0' High, Pile of
Stones, Sign

1983 Brass Cap
Flush W/Mound of
Stones 0.8' High

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

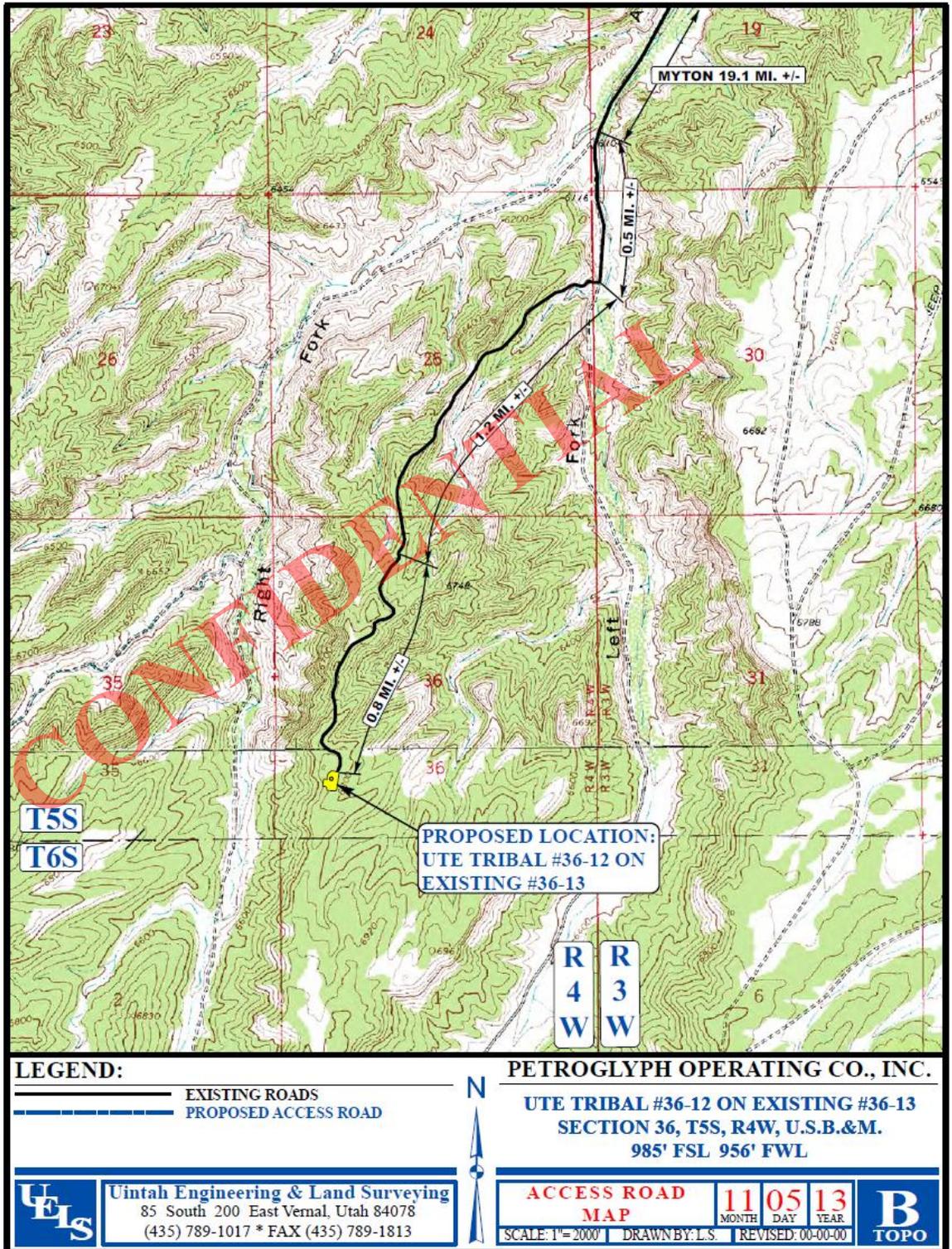
(435) 789-1017

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'04.83" (40.001342)	LATITUDE = 39°59'55.00" (39.998611)
LONGITUDE = 110°17'28.91" (110.291364)	LONGITUDE = 110°17'25.12" (110.290311)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'04.97" (40.001381)	LATITUDE = 39°59'55.13" (39.998647)
LONGITUDE = 110°17'26.36" (110.290656)	LONGITUDE = 110°17'22.56" (110.289600)

SCALE 1" = 1000'	DATE SURVEYED: 10-30-13	DATE DRAWN: 11-22-13
PARTY G.M. C.H. S.F.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	



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

April 15, 2014

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

Re: Directional Drilling R649-3-11

Ute Tribal 36-12: 985' FSL & 956' FWL, SW/SW, (Surface Hole)
1980' FSL & 660' FWL, NW/SW, (Bottom Hole)
Sec. 36, T5S, R4W, U.S.B.&M.,
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.'s Application for Permit to Drill regarding the above referenced well on April 15, 2014, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Ute Tribal 36-12 is located within the Antelope Creek Unit Area.
- Petroglyph Operating Co., Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and drilling directionally from this location, Petroglyph Operating Co., Inc. will be able to utilize the existing road and pipelines in the area.
- Furthermore, Petroglyph Operating Co., Inc. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

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

Respectfully Submitted,

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

Certification

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

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 36-12 Well, located in the SW/SW of Section 36, T5S, R4W, Duchesne County, Utah; Lease #14-20-H62-4745;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #LPM4138335.

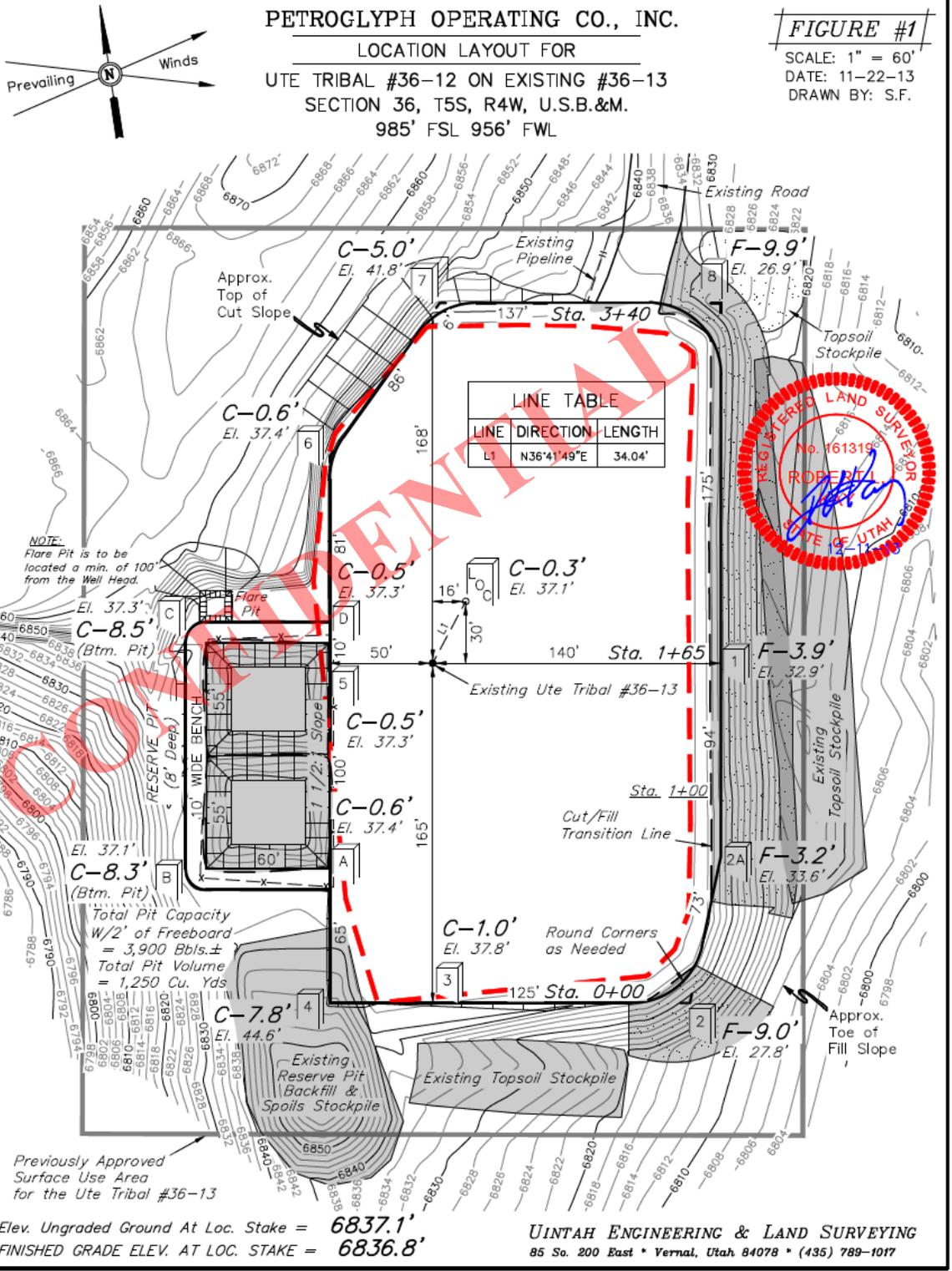
Date

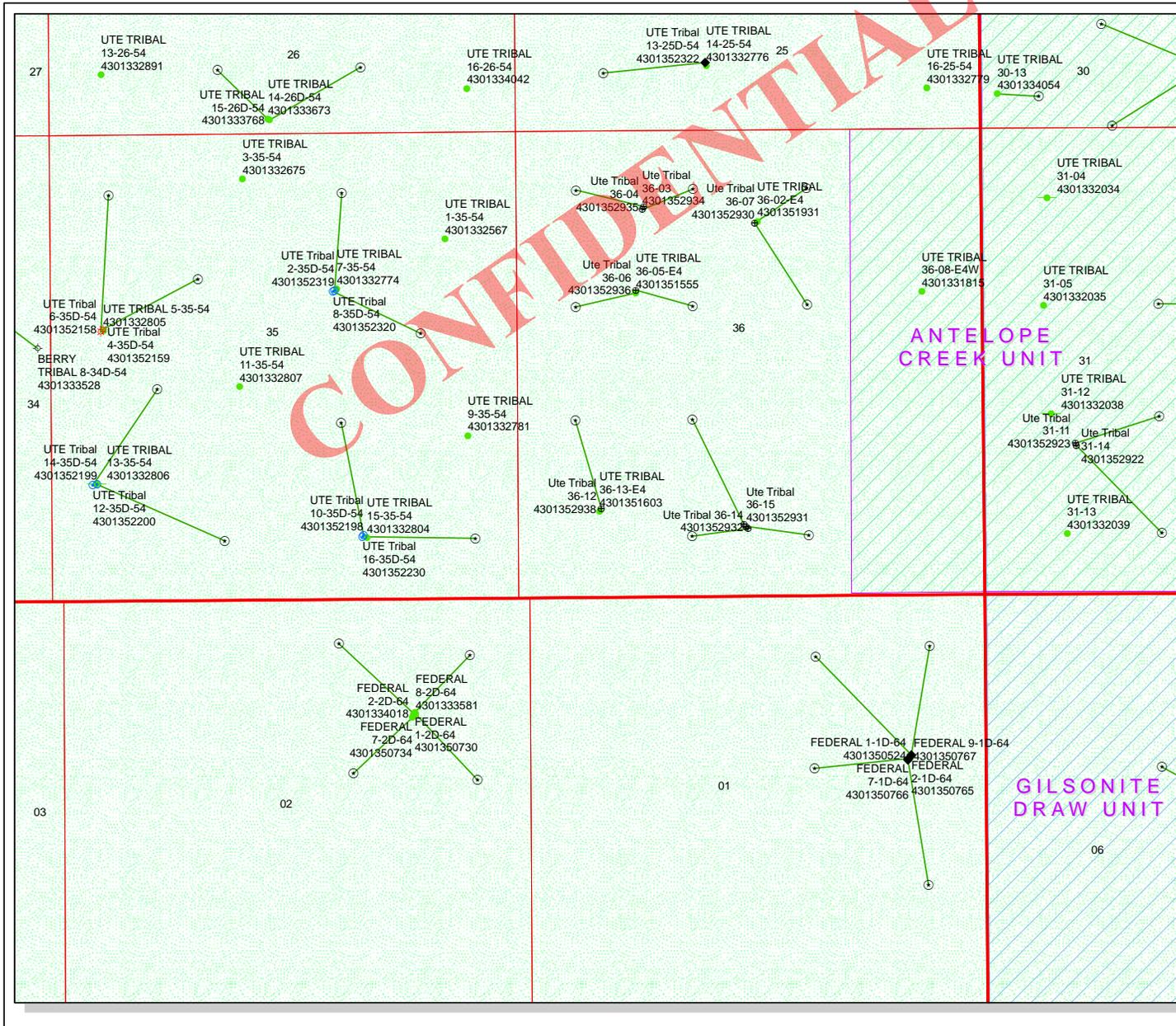
Ed Trotter, as Agent for
Petroglyph Operating Co., Inc.

CONFIDENTIAL

PETROGLYPH OPERATING CO., INC.
LOCATION LAYOUT FOR
UTE TRIBAL #36-12 ON EXISTING #36-13
SECTION 36, T5S, R4W, U.S.B.&M.
985' FSL 956' FWL

FIGURE #1
 SCALE: 1" = 60'
 DATE: 11-22-13
 DRAWN BY: S.F.





API Number: 4301352938

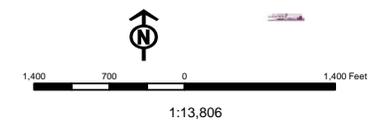
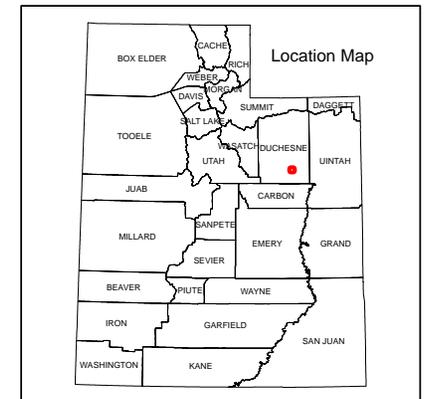
Well Name: Ute Tribal 36-12

Township: T05.0S Range: R04.0W Section: 36 Meridian: U

Operator: PETROGLYPH OPERATING CO

Map Prepared: 4/17/2014
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit	◆	ACTIVE	▨
DRL - Spudded (Drilling Commenced)	○	EXPLORATORY	▨
GRW - Gas Injection	⚡	GAS STORAGE	▨
GS - Gas Storage	⊕	NF PP OIL	▨
LOC - New Location	⊗	NF SECONDARY	▨
OPS - Operation Suspended	⊖	PI OIL	▨
PA - Plugged Abandoned	⊘	PP GAS	▨
PGW - Producing Gas Well	⊙	PP GEOTHERML	▨
POW - Producing Oil Well	⊚	PP OIL	▨
SGW - Shut-in Gas Well	⊛	SECONDARY	▨
SGW - Shut-in Oil Well	⊜	TERMINATED	▨
TA - Temp. Abandoned	⊝		
TW - Test Well	⊞	Fields	
WDW - Water Disposal	⊟	STATUS	
WW - Water Injection Well	⊠	Unknown	▨
WSW - Water Supply Well	⊡	ABANDONED	▨
		ACTIVE	▨
		COMBINED	▨
		INACTIVE	▨
		STORAGE	▨
		TERMINATED	▨



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/15/2014

API NO. ASSIGNED: 43013529380000

WELL NAME: Ute Tribal 36-12

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: SWSW 36 050S 040W

Permit Tech Review:

SURFACE: 0985 FSL 0956 FWL

Engineering Review:

BOTTOM: 1980 FSL 0660 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 39.99871

LONGITUDE: -110.29034

UTM SURF EASTINGS: 560577.00

NORTHINGS: 4427855.00

FIELD NAME: BRUNDAGE CANYON

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420H624745

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

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

Commingling Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
4 - Federal Approval - dmason
15 - Directional - dmason
23 - Spacing - dmason



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Ute Tribal 36-12
API Well Number: 43013529380000
Lease Number: 1420H624745
Surface Owner: INDIAN
Approval Date: 4/21/2014

Issued to:

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

Authority:

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

Duration:

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

Exception Location:

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

General:

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

Conditions of Approval:

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

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

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

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

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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: 1420H624745
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		8. WELL NAME and NUMBER: Ute Tribal 36-12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013529380000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
COUNTY: DUCHESNE		STATE: 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"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/6/2014	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<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"/> 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: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This well was spud on 10/6/2014 at approximately 12:00 P.M. Using a Bucket Rig provided by Craig's Energy, Vernal Utah, we will set 60' of 16" Conductor. For additional information please contact our staff at 435-722-2531.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 06, 2014		
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 10/6/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624745
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: UTE TRIBAL 36-12-E4
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013529380000
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	PHONE NUMBER: 208 685-7685 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U	9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/18/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" 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.

The well referenced above is currently permitted to be drilled to a TD of 6221' MD (6075' TVD). Petroglyph Operating proposes to drill the well to a revised TD of 6846' MD (6700' TVD). The BHL of the well will not change and cement volumes will be adjusted in order to ensure cement is circulated to surface with appropriate excess. Please see the attached revised drilling plan.

Approved by the
October 09, 2014
Oil, Gas and Mining

Date: _____
By: Derek Quist

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 10/7/2014	

CONFIDENTIAL
NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 36-12-E4
SW SW, SEC 36, T5S, R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Formation		Subsea	TVD	MD
Rig KB~13' above GGL		6850	0	0
Surface Formation = Uinta				
Uinta		6837	13	13
Green River		5452	1398	1403
Trona		4233	2617	2677
Mahogany Shale		4035	2815	2890
"B" Marker	Waterflood Unit Interval	3010	3840	3972
"X" Marker		2523	4327	4469
Douglas Creek Marker		2380	4470	4614
"B" Limestone		2004	4846	4992
Base Castle Peak Limestone		1458	5392	5538
BSCARB		1024	5826	5972
Wasatch		767	6083	6229
Formation at TD: Wasatch	Rig TD	150	6700	6846

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

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	6000	850	851
Oil/Gas	Douglas Creek	2380	4470	4614
Oil/Gas	Castle Peak	1458	5392	5538

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

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

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

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

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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"	8-5/8"	surface	493'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	6846'	15.5	J-55	LTC

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

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 3972'MD.

4. PROPOSED CEMENTING PROGRAM:

String	Top	Cement Description	Sacks	Excess	Weight (ppg)	Yield (ft ³ /sk)
	Bottom		Vol (ft ³)			
Conductor	0 53	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 493	Class G +2% CaCl ₂ +0.25 lb/sk Cello Flake	226 264	30%	15.8	1.17
Production Lead	0 3972	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR ¹ / ₄ (LCM)	466 895	30%	12.5	1.92
Production Tail	3972 6846	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR ¹ / ₄ (LCM)	443 647	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary cementing operation the cement does not circulate to surface, a remedial cementing operation shall be performed only if necessary to lift cement above the Surface Casing Shoe at 493'MD.

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NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
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SW SW, SEC 36, T5S, R4W
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 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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NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 36-12-E4
SW SW, SEC 36, T5S, R4W
DUCHESNE COUNTY, UTAH

PRODUCTION HOLE

- The production hole shall be drilled with a freshwater polymer system from 493' to 6846'. LSND mud if conditions warrant.
- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.
- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.
- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.
- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10lbs/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.

B. HAZARDOUS MATERIALS AND POLLUTANTS

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

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NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
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SW SW, SEC 36, T5S, R4W
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:

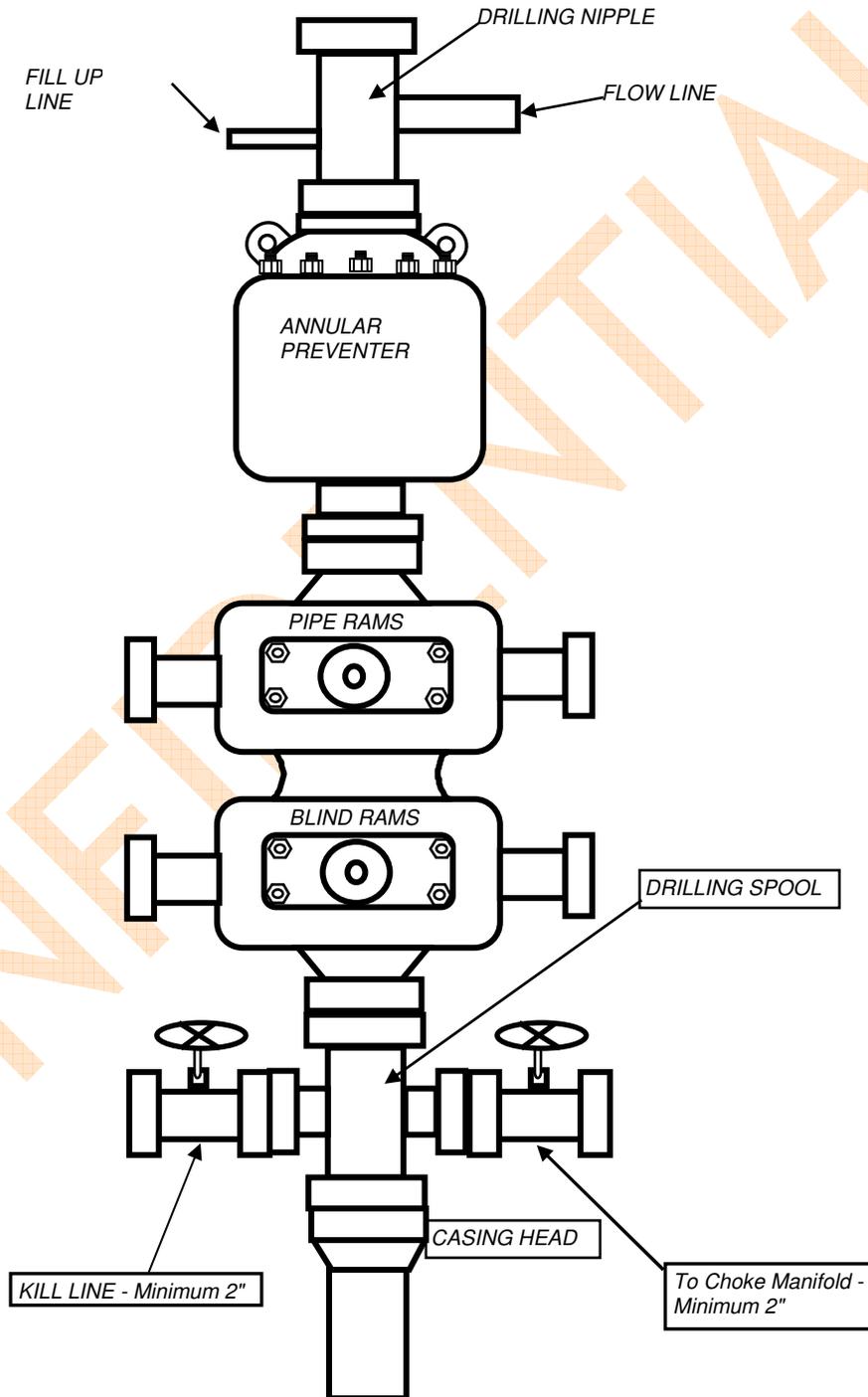
- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H₂S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1712 PSI (0.25 PSI/ft gradient).
- This well is NOT in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.433 PSI/ft gradient .

9. DIRECTIONAL WELL PLAN:

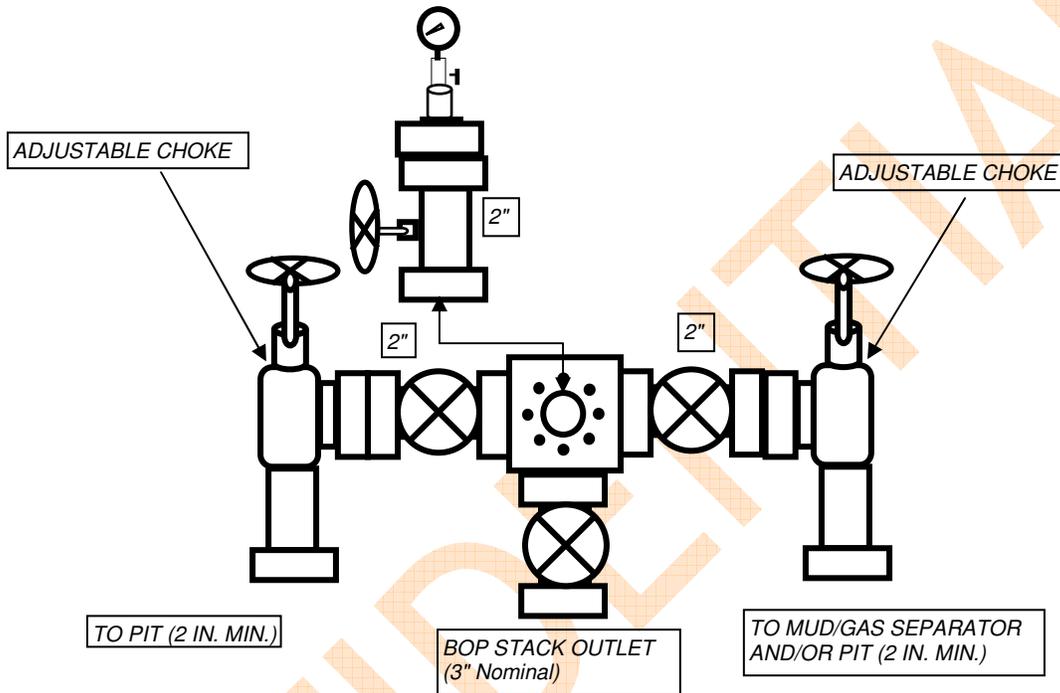
- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 3972' to 5972', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.

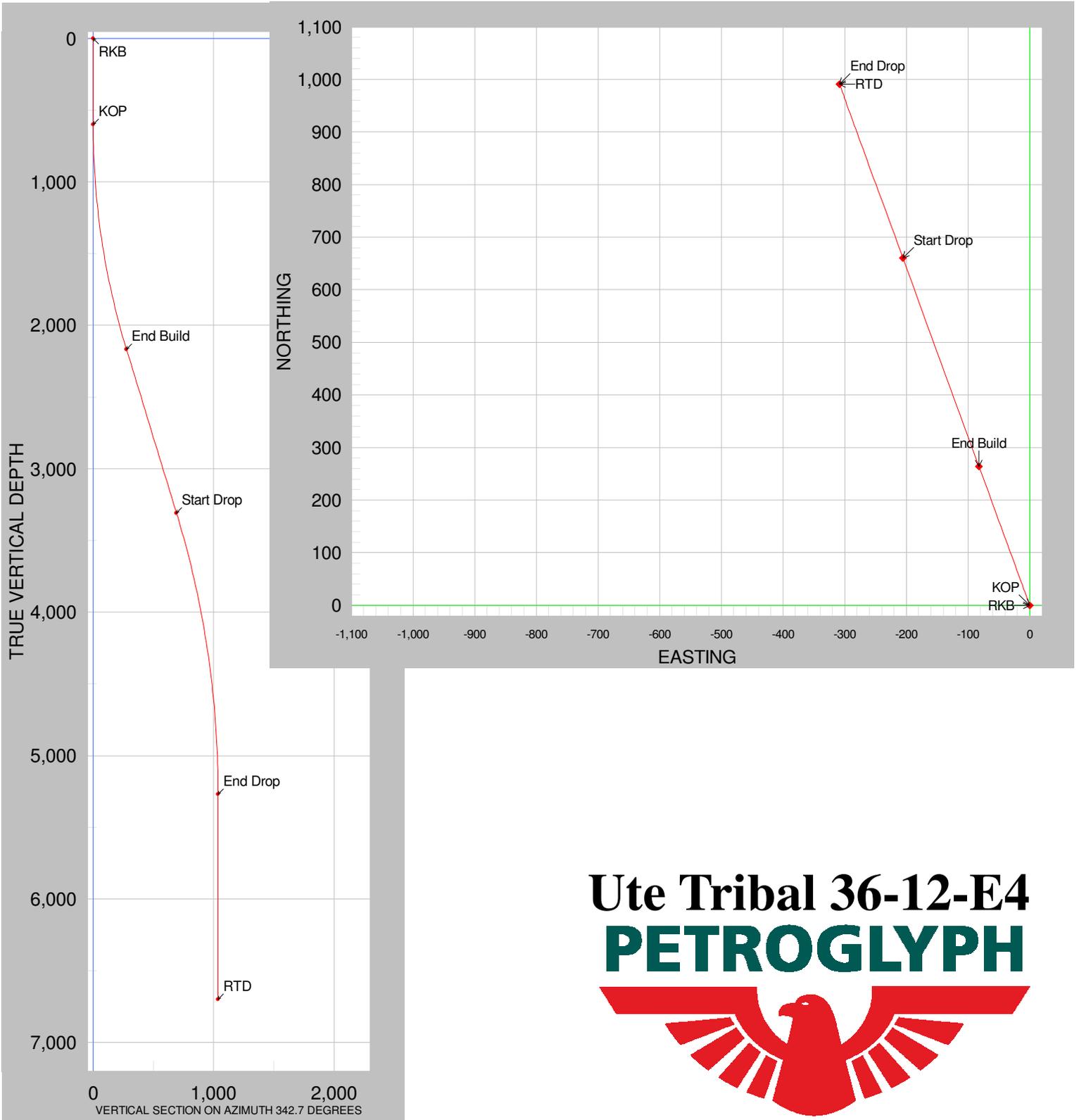
CONFIDENTIAL
NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
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SW SW, SEC 36, T5S, R4W
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TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER



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UTE TRIBAL 36-12-E4
SW SW, SEC 36, T5S, R4W
DUCHESNE COUNTY, UTAH
TYPICAL 2,000 p.s.i. CHOKE MANIFOLD





Ute Tribal 36-12-E4 PETROGLYPH



#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	2200.00	20.00	342.70	2167.70	263.92	-82.20	1.25	276.43
3	Start Drop	Tangent	3415.00	20.00	342.70	3309.43	660.68	-205.78	0.00	691.98
4	End Drop	Drop	5415.00	0.00	0.00	5269.06	990.58	-308.53	1.00	1037.52
5	RTD	Vertical	6846.00	0.00	0.00	6700.06	990.58	-308.53	0.00	1037.52

36-12-E4, Plan 1

Operator	Units feet, %/100ft	11:07 Monday, October 06, 2014 Page 1 of 5
Field	County Duchesne	Vertical Section Azimuth 342.7
Well Name 36-12-E4	State UT	Survey Calculation Method Minimum Curvature
Plan 1	Country USA	Database Access

Location	SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL	MapZone	Lat Long Ref
Site		SurfaceX	Surface Long
Slot Name	UWI	SurfaceY	Surface Lat
Well Number	API	Z Datum	
Project		Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	342.7	650.00	0.26	-0.08	1.25	0.27			
700.00	1.25	342.7	699.99	1.04	-0.32	1.25	1.09			
750.00	1.88	342.7	749.97	2.34	-0.73	1.25	2.45			
800.00	2.50	342.7	799.94	4.17	-1.30	1.25	4.36			
850.00	3.13	342.7	849.88	6.51	-2.03	1.25	6.82			
900.00	3.75	342.7	899.79	9.37	-2.92	1.25	9.81			
950.00	4.38	342.7	949.66	12.75	-3.97	1.25	13.36			
1000.00	5.00	342.7	999.49	16.65	-5.19	1.25	17.44			
1050.00	5.63	342.7	1049.28	21.07	-6.56	1.25	22.07			
1100.00	6.25	342.7	1099.01	26.01	-8.10	1.25	27.24			
1150.00	6.88	342.7	1148.68	31.47	-9.80	1.25	32.96			
1200.00	7.50	342.7	1198.29	37.44	-11.66	1.25	39.21			
1250.00	8.13	342.7	1247.82	43.93	-13.68	1.25	46.01			
1300.00	8.75	342.7	1297.28	50.93	-15.86	1.25	53.35			
1350.00	9.38	342.7	1346.66	58.45	-18.21	1.25	61.22			
1400.00	10.00	342.7	1395.94	66.49	-20.71	1.25	69.64			
1450.00	10.63	342.7	1445.14	75.03	-23.37	1.25	78.59			
1500.00	11.25	342.7	1494.23	84.09	-26.19	1.25	88.07			
1550.00	11.88	342.7	1543.21	93.66	-29.17	1.25	98.10			
1600.00	12.50	342.7	1592.09	103.74	-32.31	1.25	108.65			
1650.00	13.13	342.7	1640.84	114.32	-35.61	1.25	119.74			

36-12-E4, Plan 1

Operator	Units feet, %/100ft	11:07 Monday, October 06, 2014 Page 2 of 5
Field	County Duchesne	Vertical Section Azimuth 342.7
Well Name 36-12-E4	State UT	Survey Calculation Method Minimum Curvature
Plan 1	Country USA	Database Access

Location SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL	MapZone	Lat Long Ref
Site	SurfaceX	Surface Long
Slot Name	SurfaceY	Surface Lat
Well Number	Z Datum	
Project	Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
1700.00	13.75	342.7	1689.47	125.42	-39.06	1.25	131.36			
1750.00	14.38	342.7	1737.97	137.02	-42.68	1.25	143.51			
1800.00	15.00	342.7	1786.34	149.12	-46.45	1.25	156.18			
1850.00	15.63	342.7	1834.56	161.73	-50.37	1.25	169.39			
1900.00	16.25	342.7	1882.64	174.83	-54.45	1.25	183.12			
1950.00	16.88	342.7	1930.57	188.44	-58.69	1.25	197.37			
2000.00	17.50	342.7	1978.33	202.55	-63.09	1.25	212.15			
2050.00	18.13	342.7	2025.94	217.15	-67.64	1.25	227.44			
2100.00	18.75	342.7	2073.37	232.25	-72.34	1.25	243.25			
2150.00	19.38	342.7	2120.63	247.84	-77.19	1.25	259.58			
*** END BUILD (at MD = 2200.00)										
2200.00	20.00	342.7	2167.70	263.92	-82.20	1.25	276.43			
2250.00	20.00	342.7	2214.69	280.25	-87.29	0.00	293.53			
2300.00	20.00	342.7	2261.67	296.58	-92.37	0.00	310.63			
2350.00	20.00	342.7	2308.66	312.91	-97.46	0.00	327.73			
2400.00	20.00	342.7	2355.64	329.23	-102.54	0.00	344.83			
2450.00	20.00	342.7	2402.63	345.56	-107.63	0.00	361.93			
2500.00	20.00	342.7	2449.61	361.89	-112.72	0.00	379.03			
2550.00	20.00	342.7	2496.60	378.21	-117.80	0.00	396.14			
2600.00	20.00	342.7	2543.58	394.54	-122.89	0.00	413.24			
2650.00	20.00	342.7	2590.57	410.87	-127.97	0.00	430.34			
2700.00	20.00	342.7	2637.55	427.20	-133.06	0.00	447.44			
2750.00	20.00	342.7	2684.54	443.52	-138.14	0.00	464.54			
2800.00	20.00	342.7	2731.52	459.85	-143.23	0.00	481.64			
2850.00	20.00	342.7	2778.51	476.18	-148.31	0.00	498.74			
2900.00	20.00	342.7	2825.49	492.51	-153.40	0.00	515.84			
2950.00	20.00	342.7	2872.47	508.83	-158.48	0.00	532.94			
3000.00	20.00	342.7	2919.46	525.16	-163.57	0.00	550.04			
3050.00	20.00	342.7	2966.44	541.49	-168.65	0.00	567.15			
3100.00	20.00	342.7	3013.43	557.82	-173.74	0.00	584.25			
3150.00	20.00	342.7	3060.41	574.14	-178.83	0.00	601.35			
3200.00	20.00	342.7	3107.40	590.47	-183.91	0.00	618.45			
3250.00	20.00	342.7	3154.38	606.80	-189.00	0.00	635.55			
3300.00	20.00	342.7	3201.37	623.13	-194.08	0.00	652.65			
3350.00	20.00	342.7	3248.35	639.45	-199.17	0.00	669.75			

SES - Stoner Engineering Software

36-12-E4, Plan 1

Operator	Units feet, %/100ft	11:07 Monday, October 06, 2014 Page 3 of 5
Field	County Duchesne	Vertical Section Azimuth 342.7
Well Name 36-12-E4	State UT	Survey Calculation Method Minimum Curvature
Plan 1	Country USA	Database Access

Location	SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL	MapZone	Lat Long Ref
Site		SurfaceX	Surface Long
Slot Name	UWI	SurfaceY	Surface Lat
Well Number	API	Z Datum	
Project		Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
3400.00	20.00	342.7	3295.34	655.78	-204.25	0.00	686.85			
*** START DROP (at MD = 3415.00)										
3415.00	20.00	342.7	3309.43	660.68	-205.78	0.00	691.98			
3450.00	19.65	342.7	3342.36	672.01	-209.31	1.00	703.85			
3500.00	19.15	342.7	3389.52	687.87	-214.25	1.00	720.46			
3550.00	18.65	342.7	3436.82	703.33	-219.06	1.00	736.66			
3600.00	18.15	342.7	3484.27	718.40	-223.76	1.00	752.44			
3650.00	17.65	342.7	3531.85	733.07	-228.33	1.00	767.81			
3700.00	17.15	342.7	3579.56	747.35	-232.77	1.00	782.76			
3750.00	16.65	342.7	3627.40	761.23	-237.10	1.00	797.29			
3800.00	16.15	342.7	3675.36	774.70	-241.29	1.00	811.41			
3850.00	15.65	342.7	3723.45	787.78	-245.37	1.00	825.11			
3900.00	15.15	342.7	3771.65	800.46	-249.32	1.00	838.39			
3950.00	14.65	342.7	3819.97	812.73	-253.14	1.00	851.24			
4000.00	14.15	342.7	3868.40	824.61	-256.84	1.00	863.68			
4050.00	13.65	342.7	3916.94	836.07	-260.41	1.00	875.69			
4100.00	13.15	342.7	3965.58	847.14	-263.85	1.00	887.28			
4150.00	12.65	342.7	4014.31	857.79	-267.17	1.00	898.44			
4200.00	12.15	342.7	4063.15	868.05	-270.37	1.00	909.18			
4250.00	11.65	342.7	4112.07	877.89	-273.43	1.00	919.49			
4300.00	11.15	342.7	4161.09	887.33	-276.37	1.00	929.37			
4350.00	10.65	342.7	4210.18	896.35	-279.18	1.00	938.82			
4400.00	10.15	342.7	4259.36	904.97	-281.87	1.00	947.85			
4450.00	9.65	342.7	4308.62	913.18	-284.42	1.00	956.45			
4500.00	9.15	342.7	4357.95	920.97	-286.85	1.00	964.61			
4550.00	8.65	342.7	4407.34	928.36	-289.15	1.00	972.35			
4600.00	8.15	342.7	4456.81	935.33	-291.32	1.00	979.65			
4650.00	7.65	342.7	4506.33	941.89	-293.37	1.00	986.52			
4700.00	7.15	342.7	4555.92	948.04	-295.28	1.00	992.96			
4750.00	6.65	342.7	4605.55	953.78	-297.07	1.00	998.97			
4800.00	6.15	342.7	4655.24	959.10	-298.73	1.00	1004.54			
4850.00	5.65	342.7	4704.98	964.01	-300.25	1.00	1009.68			
4900.00	5.15	342.7	4754.76	968.50	-301.65	1.00	1014.39			
4950.00	4.65	342.7	4804.57	972.58	-302.92	1.00	1018.66			
5000.00	4.15	342.7	4854.43	976.24	-304.06	1.00	1022.50			

36-12-E4, Plan 1

Operator	Units feet, %/100ft	11:07 Monday, October 06, 2014 Page 4 of 5
Field	County Duchesne	Vertical Section Azimuth 342.7
Well Name 36-12-E4	State UT	Survey Calculation Method Minimum Curvature
Plan 1	Country USA	Database Access

Location SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL	MapZone	Lat Long Ref
Site	SurfaceX	Surface Long
Slot Name	SurfaceY	Surface Lat
Well Number	Z Datum	
Project	Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
5050.00	3.65	342.7	4904.31	979.49	-305.08	1.00	1025.90			
5100.00	3.15	342.7	4954.22	982.32	-305.96	1.00	1028.86			
5150.00	2.65	342.7	5004.16	984.73	-306.71	1.00	1031.39			
5200.00	2.15	342.7	5054.11	986.73	-307.33	1.00	1033.49			
5250.00	1.65	342.7	5104.09	988.31	-307.83	1.00	1035.14			
5300.00	1.15	342.7	5154.07	989.48	-308.19	1.00	1036.36			
5350.00	0.65	342.7	5204.06	990.23	-308.42	1.00	1037.15			
5400.00	0.15	342.7	5254.06	990.56	-308.53	1.00	1037.50			
*** END DROP (at MD = 5415.00)										
5415.00	0.00	0.0	5269.06	990.58	-308.53	1.00	1037.52			
5450.00	0.00	0.0	5304.06	990.58	-308.53	0.00	1037.52			
5500.00	0.00	0.0	5354.06	990.58	-308.53	0.00	1037.52			
5550.00	0.00	0.0	5404.06	990.58	-308.53	0.00	1037.52			
5600.00	0.00	0.0	5454.06	990.58	-308.53	0.00	1037.52			
5650.00	0.00	0.0	5504.06	990.58	-308.53	0.00	1037.52			
5700.00	0.00	0.0	5554.06	990.58	-308.53	0.00	1037.52			
5750.00	0.00	0.0	5604.06	990.58	-308.53	0.00	1037.52			
5800.00	0.00	0.0	5654.06	990.58	-308.53	0.00	1037.52			
5850.00	0.00	0.0	5704.06	990.58	-308.53	0.00	1037.52			
5900.00	0.00	0.0	5754.06	990.58	-308.53	0.00	1037.52			
5950.00	0.00	0.0	5804.06	990.58	-308.53	0.00	1037.52			
6000.00	0.00	0.0	5854.06	990.58	-308.53	0.00	1037.52			
6050.00	0.00	0.0	5904.06	990.58	-308.53	0.00	1037.52			
6100.00	0.00	0.0	5954.06	990.58	-308.53	0.00	1037.52			
6150.00	0.00	0.0	6004.06	990.58	-308.53	0.00	1037.52			
6200.00	0.00	0.0	6054.06	990.58	-308.53	0.00	1037.52			
6250.00	0.00	0.0	6104.06	990.58	-308.53	0.00	1037.52			
6300.00	0.00	0.0	6154.06	990.58	-308.53	0.00	1037.52			
6350.00	0.00	0.0	6204.06	990.58	-308.53	0.00	1037.52			
6400.00	0.00	0.0	6254.06	990.58	-308.53	0.00	1037.52			
6450.00	0.00	0.0	6304.06	990.58	-308.53	0.00	1037.52			
6500.00	0.00	0.0	6354.06	990.58	-308.53	0.00	1037.52			
6550.00	0.00	0.0	6404.06	990.58	-308.53	0.00	1037.52			
6600.00	0.00	0.0	6454.06	990.58	-308.53	0.00	1037.52			
6650.00	0.00	0.0	6504.06	990.58	-308.53	0.00	1037.52			

36-12-E4, Plan 1

Operator	Units feet, %/100ft	11:07 Monday, October 06, 2014 Page 5 of 5
Field	County Duchesne	Vertical Section Azimuth 342.7
Well Name 36-12-E4	State UT	Survey Calculation Method Minimum Curvature
Plan 1	Country USA	Database Access

Location SHL: 985' FSL & 956' FWL BHL: 1980' FSL & 660' FWL	MapZone	Lat Long Ref
Site	SurfaceX	Surface Long
Slot Name	SurfaceY	Surface Lat
Well Number	Z Datum	
Project	Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
6700.00	0.00	0.0	6554.06	990.58	-308.53	0.00	1037.52			
6750.00	0.00	0.0	6604.06	990.58	-308.53	0.00	1037.52			
6800.00	0.00	0.0	6654.06	990.58	-308.53	0.00	1037.52			
*** RTD (at MD = 6846.00)										
6846.00	0.00	0.0	6700.06	990.58	-308.53	0.00	1037.52			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
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: 1420H624745			
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
		7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: UTE TRIBAL 36-12-E4			
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		9. API NUMBER: 43013529380000			
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE			
		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/6/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <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 </td> <td style="width: 33%; vertical-align: top;"> <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 </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input checked="" 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"/> </td> </tr> </table>		<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 checked="" type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> 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 checked="" 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 change this well's name to Ute Tribal 36-12-E4					
<p style="margin: 0;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 09, 2014 </p>					
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc			
SIGNATURE N/A	DATE 10/3/2014				

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 18 2014

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM Vernal UT

5. Lease Serial No.
1420H624745

6. If Indian, Allottee or Tribe Name

1a. Type of Work: DRILL REENTER

CONFIDENTIAL

7. If Unit or CA Agreement, Name and No.
1420H624650

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

8. Lease Name and Well No.
UTE TRIBAL 38-12 -E4

2. Name of Operator
PETROGLYPH OPERATING CO., INC. Contact: ED TROTTER
Email: edtrotter@eeslink.com

9. API Well No.
43 013 52938

3a. Address
P.O. BOX 607
ROOSEVELT, UT 84066

3b. Phone No. (include area code)
Ph: 435-789-4120
Fx: 435-789-1420

10. Field and Pool, or Exploratory
ANTELOPE CREEK

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface SWSW 985FSL 958FWL
At proposed prod. zone NWSW 1980FSL 660FWL

RECEIVED
OCT 16 2014

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 36 T5S R4W Mer UBM

14. Distance in miles and direction from nearest town or post office*
21.6 MILES SOUTHWEST OF MYTON, UT

DIV. OF OIL, GAS & MINING

12. County or Parish DUCHESNE
13. State UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
956

16. No. of Acres in Lease
640.00

17. Spacing Unit dedicated to this well

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
37.44

19. Proposed Depth
6221 MD
6075 TVD

20. BLM/BIA Bond No. on file
LPM4138153

21. Elevations (Show whether DF, KB, RT, GL, etc.)
6837 GL

22. Approximate date work will start
06/15/2014

23. Estimated duration
45 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 authorized officer.

25. Signature (Electronic Submission) Name (Printed/Typed) LESTER FARNSWORTH Ph: 435-722-2531 Date 04/15/2014

Title DISTRICT MANAGER

Approved by (Signature) Name (Printed/Typed) Jerry Kenczka Date OCT 02 2014

Title Assistant Field Manager Lands & Mineral Resources Office VERNAL FIELD OFFICE

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

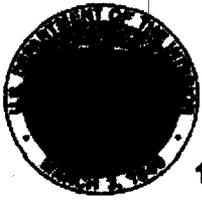
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #242446 verified by the BLM Well Information System
For PETROGLYPH OPERATING CO., INC., sent to the Vernal
Committed to AFSS for processing by ROBIN R. HANSEN on 04/21/2014 ()

NOTICE OF APPROVAL

UDOGM ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

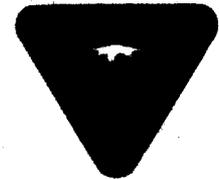


**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: PETROGLYPH OPERATING CO
Well No: UTE TRIBAL 36-12
API No: 43-013-52938

Location: SWSW SEC 36 T05S R04W
Lease No: 1420H624745
Agreement: 1420H624650

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: blm_ut_vn_opreport@blm.gov .
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)**

- Paint all production facilities and equipment, not otherwise regulated (OSHA, etc.), Covert Green.
- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- The conditions of approval, as set forth by those owners and/or agencies, shall be adhered to.
- Stationary internal combustion engines would comply with the following emission standards: 2 g/bhp-hr of NOx for engines less than 300 HP and 1 g/bhp-hr of NOx for engines over 300 HP.
- Either no or low bleed controllers would be installed on pneumatic pumps, actuators or other pneumatic devices.
- VOC venting controls or flaring would be utilized for oil or gas atmospheric storage tanks.
- VOC venting controls or flaring would be used for glycol dehydration and amine units.
- Where feasible, green completion would be used for well completion, re-completion, venting, or planned blowdown emissions. Alternatively, use controlled VOC emissions methods with 90% efficiency.

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

SITE SPECIFIC DOWNHOLE COAs:

1. CBL will be run from TD to TOC
2. Cement for the surface casing will be circulated to the surface
3. Cement for long-string shall be circulated to 200' above the surface casing shoe

Variance Granted:

Requests for variances from O.O 2.E for Air Drilling are approved as written in APD

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 CD (compact disc) format to the Vernal BLM Field Office. 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.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).

- The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
- The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
- Unit agreement and/or participating area name and number, if applicable.
- Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

RECEIVED

FORM 6

OCT 06 2014

Div. of Oil, Gas & Mining

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
4301352936	Ute Tribal 36-06			36	5S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	12352	10/5/2014		10/9/14		
Comments: Please add well to existing Ute Tribal 31-04 Tank Battery. GRRV							CONFIDENTIAL

Well 2

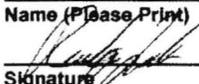
API Number	Well Name		QQ	Sec	Twp	Rng	County
4301352938	Ute Tribal 36-12			36	5S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	12352	10/6/2014		10/9/14		
Comments: Please add well to existing Ute Tribal 31-04 Tank Battery. GRRV							CONFIDENTIAL

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 10/6/2014
Title Date

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craig's /Pro Petro
Submitted By Rodrigo Jurado Phone Number 435-722-5302
Well Name/Number Ute Tribal 36-12-~~n~~ E4
Qtr/Qtr SWSW Section 36 Township 5S Range 4W
Lease Serial Number 14-20-H62-4745
API Number 43-013-52938

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 10/8/2014 7:00 AM PM

BOPE

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

Date/Time _____ AM PM

Remarks We plan to run +/- 500' of 8-5/8" J-55 Surface Casing at the time indicated. (Sent 10/7/2014 @ 7:45 A.M.)

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
1420H624745

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
UTE

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

CONFIDENTIAL

8. WELL NAME and NUMBER:
Ute Tribal 36-12

2. NAME OF OPERATOR:
PETROGLYPH OPERATING CO

9. API NUMBER:
43013529380000

3. ADDRESS OF OPERATOR:
960 Broadway Avenue, Ste 500, Boise, ID, 83703

PHONE NUMBER:
208 685-7685 Ext

9. FIELD and POOL or WILDCAT:
BRUNDAGE CANYON

4. LOCATION OF WELL FOOTAGES AT SURFACE:
0985 FSL 0956 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/6/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input 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 checked="" 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"/>

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

Please change this well's name to Ute Tribal 36-12-E4

RECEIVED

OCT 06 2014

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 10/3/2014	

CONFIDENTIAL

Petroglyph Operating Well Name Change

Rodrigo Jurado <rjurado@pgei.com>

Mon, Oct 6, 2014 at 11:29 AM

To: "Carol Daniels (caroldaniels@utah.gov)" <caroldaniels@utah.gov>, "Alexis Heufner (alexishuefner@utah.gov)" <alexishuefner@utah.gov>

Cc: Rachel Medina <rachelmedina@utah.gov>

Carol & Alexis,

On Friday I submitted 3 sundry notices for changing some well names. We recently received BLM Approved APD's for our Ute Tribal 36-06, 36-07 & 36-12. Because these wells are in T 5 South, R 4 West, we will be adding and E4 to the end of the current name. The wells in question are:

Ute Tribal 36-06, API# 43-013-52936 New Well Name: Ute Tribal 36-06-E4

Ute Tribal 36-07, API# 43-013-52930 New Well Name: Ute Tribal 36-07-E4

✓ Ute Tribal 36-12, API# 43-013-52938 New Well Name: Ute Tribal 36-12-E4

Copies of the sundry notices are attached. One well, the Ute Tribal 36-06 has already been spudded and I will be submitting the spud sundry later today. Please process these three sundry notices and update your records accordingly so we can get as much of the regulatory paperwork under one name as possible. This will hopefully avoid confusion.

Thank you both for your help.

Rodrigo Jurado

Petroglyph Operating Company, Inc.

Regulatory Compliance Specialist

P.O. BOX 607

Roosevelt, UT 84066

OFFICE: (435) 722-5302

MOBILE: (435) 609-3239

FAX: (435) 722-9145

The contents of this e-mail and any attachments are intended solely for the use of the named addressee(s) and may contain confidential and/or privileged information. Any unauthorized use, copying, disclosure, or distribution of the contents of this e-mail or attachments is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender immediately and destroy all copies of the communication and any attachments.

3 attachments

- ✓  **Ute Tribal 36-12 DOGM Sundry_Name Change 2014-10-3.pdf**
15K
-  **Ute Tribal 36-07 DOGM Sundry_Name Change 2014-10-3.pdf**
15K
-  **Ute Tribal 36-06 DOGM Sundry_Name Change 2014-10-3.pdf**
15K

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624745
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: UTE TRIBAL 36-12-E4
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013529380000
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	PHONE NUMBER: 208 685-7685 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U	9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/18/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input checked="" 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.

Petroglyph Operating Company, Inc. requests permission to commingle oil and gas production from the Wasatch and Green River Formations on the well referenced above. Mineral Ownership is the same throughout the well bore. Petroglyph Operating has made all necessary notifications in accordance with Utah's Oil, Gas, and Mining regulation R649-3-22. Please see the attached Affidavit of Notice and Map.

Approved by the
November 20, 2014
Oil, Gas and Mining

Date: _____
By: Derek Quist

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 11/4/2014	

AFFIDAVIT OF NOTICE

State of Utah)
) ss
County of Kane)

I, Nicole Colby, the affiant herein, being of lawful age and duly sworn upon her oath deposes and states as follows:

Nicole Colby is the Manager of Land and Regulatory Compliance for Petroglyph Energy, Inc., an Idaho corporation, with headquarters located at 960 Broadway Avenue, Suite 500, Boise, ID 83706, and is duly authorized to make this Affidavit on behalf of said corporation.

Petroglyph Energy, Inc. has submitted notice to commingle production from the Wasatch and Green River formations in the following well lying within the boundaries of the Antelope Creek Plan of Cooperative Development – BIA Lease UTE 14-20-H62-4745:

UTE TRIBAL 36-12-E4

This Affidavit is made in accordance with Utah’s Oil, Gas and Mining regulation R649-3-22. As operator, Petroglyph Energy, Inc., has provided notice to the owner of contiguous oil and gas leases or drilling units overlying the pool for the aforementioned well to the party below:

Linn Energy, LLC/Berry Petroleum Company, LLC
Atten: Dennis Gustafson, re: Uintah Basin
1999 Broadway Suite 3700
Denver, CO 80202

Petroglyph Energy, Inc.



Nicole Colby, Manager
Land and Regulatory Compliance

State of Utah)
) ss
County of Kane)

The above and foregoing Affidavit was subscribed and sworn to before me on the 4th day of November, 2014, by Nicole Colby.

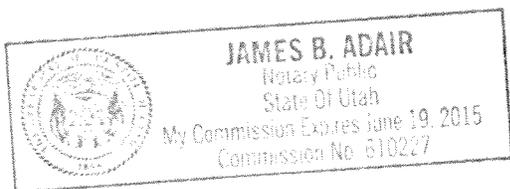
Witness my hand and official seal.

(SEAL)



Notary Public

My Commission expires: 6-19-15



PETROGLYPH

EXECUTIVE OFFICES



VIA U.S. MAIL DELIVERY

November 4, 2014

Linn Energy, LLC/Berry Petroleum Company, LLC
Atten: Dennis Gustafson, re: Uintah Basin
1999 Broadway Suite 3700
Denver, CO 80202

UTE TRIBAL 36-12-E4

Mr. Gustafson:

Petroglyph Operating Company, Inc., is submitting an Application to Commingle from the Wasatch and Green River formations in the referenced well.

In accordance with State of Utah Division of Oil, Gas and Mining R649-3-22 regarding completion into two or more pools, Petroglyph hereby provides written notice to Linn Energy, LLC, of the submission.

Please see enclosed copies of the Application to Commingle.

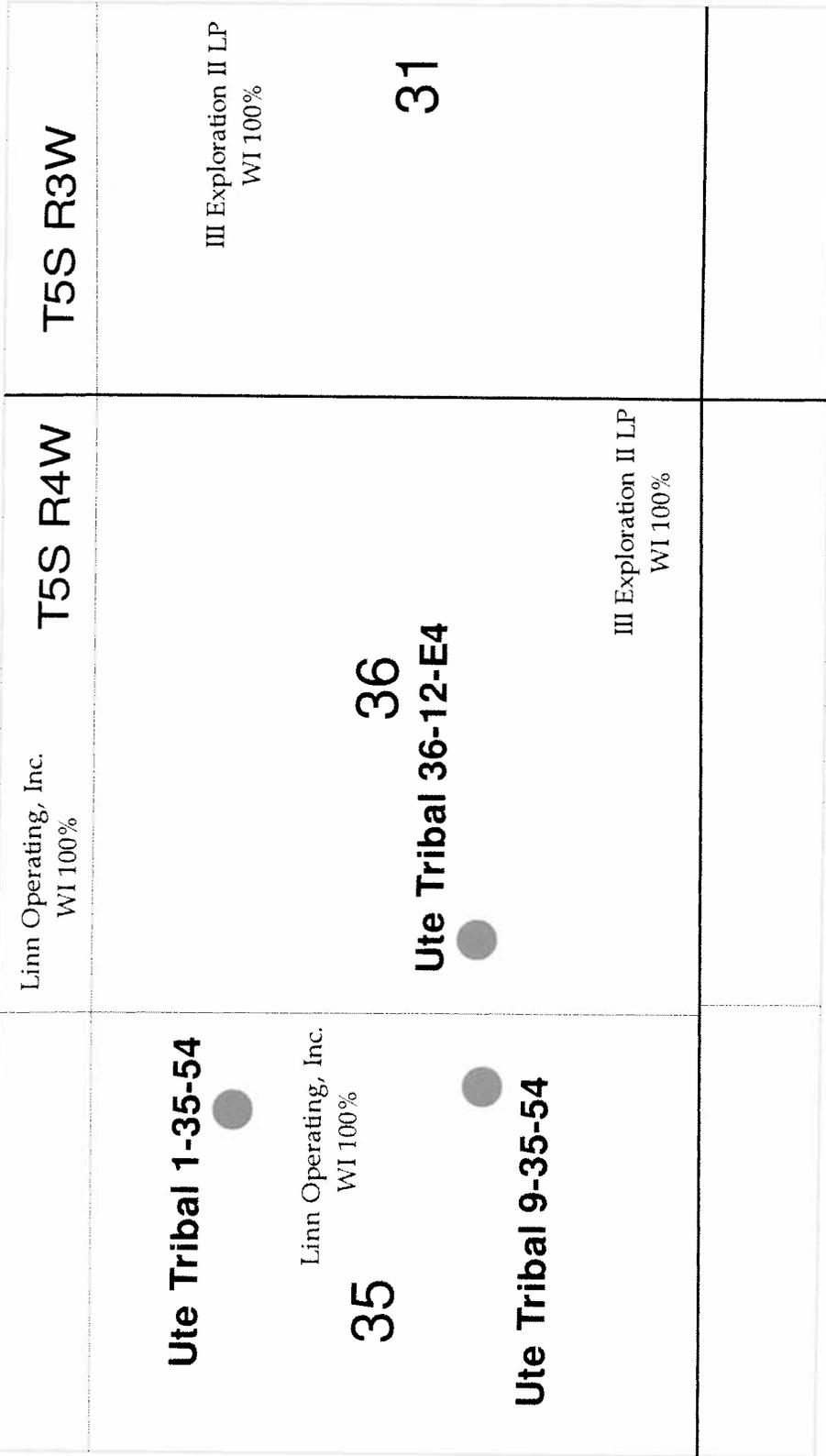
Please contact me at (208) 685-9711 if any questions.

Best Regards,

A handwritten signature in black ink, appearing to read 'Nicole Colby', with a horizontal line extending to the right.

Nicole Colby
Manager, Land and Regulatory Compliance

PETROGLYPH ENERGY, INC.



	ANTELOPE CREEK
	DUCHESE COUNTY, UTAH
Application for Commingling Ute Tribal 36-12-E4	
JCS 36-Oct-14	Ute Tribal 36-12-E4 Application for Commingling Ute Tribal 36-12-E4

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624745
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE 7. UNIT or CA AGREEMENT NAME:
--	---

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: UTE TRIBAL 36-12-E4
------------------------------------	--

2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013529380000
--	---

3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	PHONE NUMBER: 208 685-7685 Ext	9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
---	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE STATE: UTAH
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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"/> NOTICE OF INTENT Approximate date work will start: 11/6/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input 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.

Approved by the
November 25, 2014
Oil, Gas and Mining

Date: _____

By: Dark Quif

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 11/4/2014	

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: 1420H624745
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
		7. UNIT or CA AGREEMENT NAME: 1420H624650
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: Ute Tribal 36-12-E4
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		9. API NUMBER: 4301352938
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		PHONE NUMBER: (435) 722-2531
4. LOCATION OF WELL FOOTAGES AT SURFACE: 985' FSL, 956' FWL		10. FIELD AND POOL, OR WILDCAT: Antelope Creek
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 36 5S 4W U		COUNTY: Duchesne STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 11/6/2014	<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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 11/6/2014, depending on equipment availability, Petroglyph Operating intends to perforate and fracture treat the following: 4666-76, 4710-15, 4800-09, 4812-14, 4820-32, 4836-38, 4893-96, 4953-60, 5075-80, 5204-13, 5218-27, 5255-58, 5264-67, 5277-81, 5291-93, 5303-05, 5308-10, 5318-20, 5438-42, 5460-63, 5470-73, 5487-88, 5493-94, 5500-06, 5546-48, 5555-57, 5570-74, 5578-90, 5654-56, 5658-60, 5663-66, 5693-95, 5782-87, 5986-88, 6029-30, 6034-35, 6043-44, 6050-55, 6062-64, 6067-69, 6086-88, 6092-93, 6101-03, 6101-03, 6155-65, 6190-94, 6259-63, 6274-75, 6294-96, 6319-22, 6340-46, 6368-71, 6380-81 & 6386-90. We will perforate at 4 shot per foot and isolate zones using Halliburton 8K Composite Plugs. We plan complete the following stages:
 6,259-6,390: 30,800 Gals of fluid containing 55,000#'s of sand,
 6,155-6,194: 19,600 Gals of fluid containing 35,000#'s of sand,
 5,986-6,103: 28,000 Gals of fluid containing 50,000#'s of sand,
 5,654-5,787: 19,600 Gals of fluid containing 35,000#'s of sand,
 5,438-5,590: 42,000 Gals of fluid containing 75,000#'s of sand,
 5,204-5,320: 39,200 Gals of fluid containing 70,000#'s of sand,
 5,075-5,080: 11,200 Gals of fluid containing 20,000#'s of sand.

This plan is tentative and will be adjusted as needed during completion operations. Volumes and amounts of sand are only estimates, actual figures will be reported at a later date. All plugs will be drilled out and the well swabbed if necessary.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE	DATE <u>10/31/2014</u>

(This space for State use only)

AFFIDAVIT OF NOTICE

State of Utah)
) ss
County of Kane)

I, Nicole Colby, the affiant herein, being of lawful age and duly sworn upon her oath deposes and states as follows:

Nicole Colby is the Manager of Land and Regulatory Compliance for Petroglyph Energy, Inc., an Idaho corporation, with headquarters located at 960 Broadway Avenue, Suite 500, Boise, ID 83706, and is duly authorized to make this Affidavit on behalf of said corporation.

Petroglyph Energy, Inc. has submitted notice to commingle production from the Wasatch and Green River formations in the following well lying within the boundaries of the Antelope Creek Plan of Cooperative Development – BIA Lease UTE 14-20-H62-4745:

UTE TRIBAL 36-12-E4

This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22. As operator, Petroglyph Energy, Inc., has provided notice to the owner of contiguous oil and gas leases or drilling units overlying the pool for the aforementioned well to the party below:

Linn Energy, LLC/Berry Petroleum Company, LLC
Atten: Dennis Gustafson, re: Uintah Basin
1999 Broadway Suite 3700
Denver, CO 80202

Petroglyph Energy, Inc.



Nicole Colby, Manager
Land and Regulatory Compliance

State of Utah)
) ss
County of Kane)

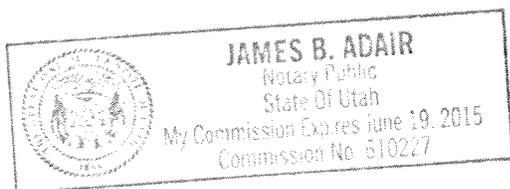
The above and foregoing Affidavit was subscribed and sworn to before me on the 4th day of November, 2014, by Nicole Colby.

Witness my hand and official seal.

(SEAL)


Notary Public

My Commission expires: 6-19-15



PETROGLYPH

EXECUTIVE OFFICES



VIA U.S. MAIL DELIVERY

November 4, 2014

Linn Energy, LLC/Berry Petroleum Company, LLC
Atten: Dennis Gustafson, re: Uintah Basin
1999 Broadway Suite 3700
Denver, CO 80202

UTE TRIBAL 36-12-E4

Mr. Gustafson:

Petroglyph Operating Company, Inc., is submitting an Application to Commingle from the Wasatch and Green River formations in the referenced well.

In accordance with State of Utah Division of Oil, Gas and Mining R649-3-22 regarding completion into two or more pools, Petroglyph hereby provides written notice to Linn Energy, LLC, of the submission.

Please see enclosed copies of the Application to Commingle.

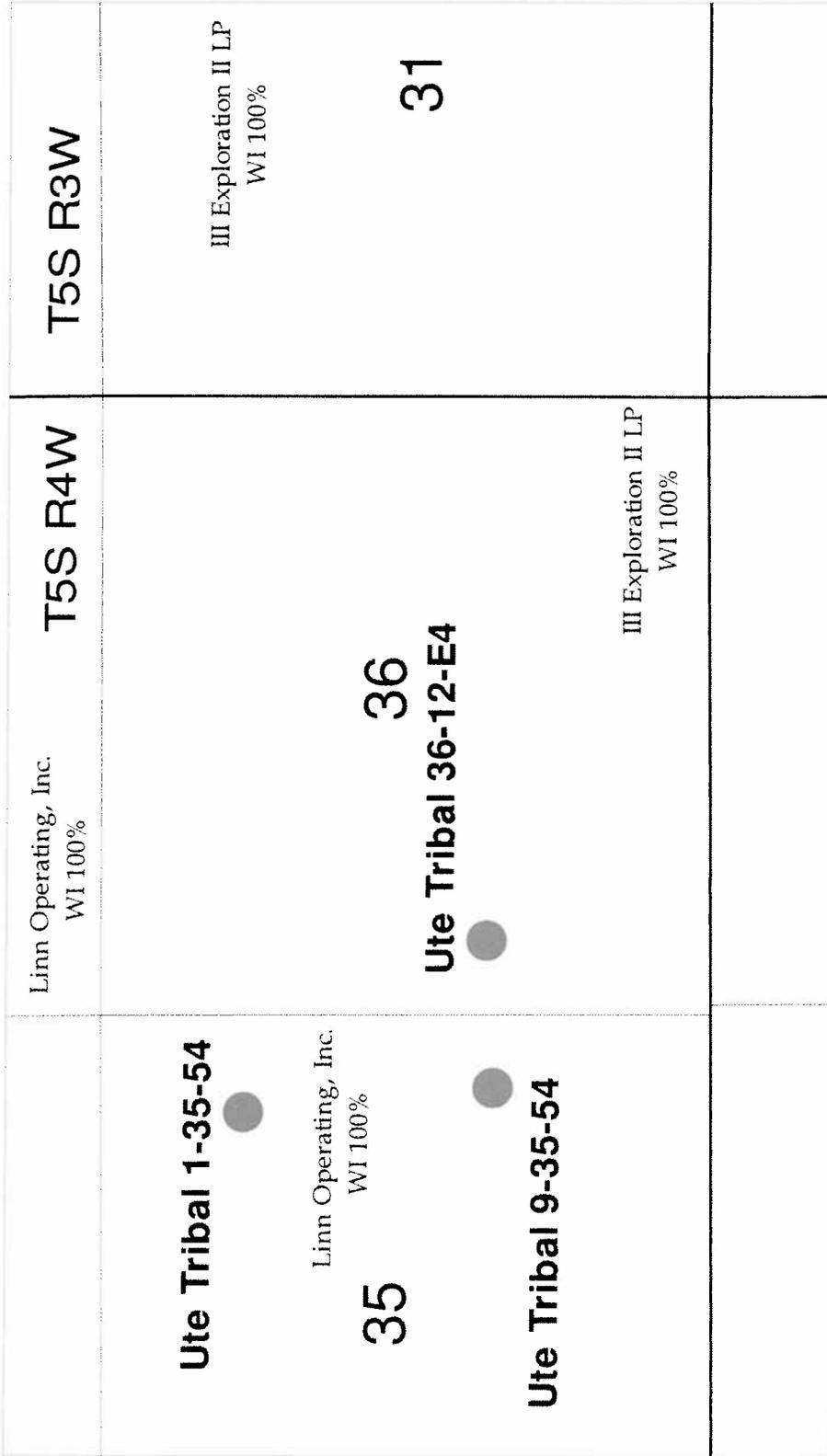
Please contact me at (208) 685-9711 if any questions.

Best Regards,

A handwritten signature in black ink, appearing to read 'Nicole Colby', with a long horizontal line extending to the right.

Nicole Colby
Manager, Land and Regulatory Compliance

PETROGLYPH ENERGY, INC.



	ANTELOPE CREEK
	DUCHESSNE COUNTY, UTAH
Application for Commingling Ute Tribal 36-12-E4	
JG 30-Oct-14	Approved for Commingling by the Board of Directors 30-Oct-14



1 inch = 1500 feet

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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: 1420H624745
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		8. WELL NAME and NUMBER: UTE TRIBAL 36-12-E4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013529380000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
COUNTY: DUCHESNE		STATE: 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/3/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<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"/> 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 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"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The date of fist production for this well was 12/03/2014.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 09, 2014		
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 12/8/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
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: 1420H624745	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		8. WELL NAME and NUMBER: UTE TRIBAL 36-12-E4	
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		9. API NUMBER: 43013529380000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0985 FSL 0956 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 36 Township: 05.0S Range: 04.0W Meridian: U		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON	
		COUNTY: DUCHESNE	
		STATE: 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/4/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input 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 FOR RECORD ONLY February 20, 2015	
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc	
SIGNATURE N/A	DATE 2/18/2015		

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

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4745
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.			8. WELL NAME and NUMBER: Ute Tribal 36-12-E4
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		PHONE NUMBER: (435) 722-2531	9. API NUMBER: 4301352938
4. LOCATION OF WELL FOOTAGES AT SURFACE: 985' FSL, 956' FWL			10. FIELD AND POOL, OR WILDCAT: Antelope Creek
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 36 5S 4W U			COUNTY: Duchesne
			STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/4/2014	<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 10/29/2014 Petroglyph Operating ran GR/CBL and found ETOC @ 1494'. On 11/14/2014 we then perforated the following: 4666-76, 4710-15, 4800-09, 4812-14, 4820-32, 4836-38, 4893-96, 5075-80, 5204-13, 5218-27, 5255-58, 5264-67, 5277-81, 5291-96, 5308-10, 5303-10, 5318-20, 5438-42, 5460-63, 5470-73, 5487-88, 5493-94, 5500-06, 5546-48, 5555-57, 5570-74, 5578-90, 5654-56, 5658-60, 5663-66, 5693-95, 5782-87, 5986-88, 6029-30, 6034-35, 6043-44, 6050-55, 6062-64, 6067-69, 6086-88, 6092-93, 6101-03, 6155-65, 6190-94, 9259-63, 6274-75, 6294-96, 6319-22, 6340-46, 6368-71, 6380-81 & 6386-90. We isolated and fracture treated the following intervals:
 6,259'-6,390': 723 Bbls of fluid containing 55,180#'s of sand,
 6,155'-6,194': 591 Bbls of fluid containing 35,220#'s of sand,
 5,986'-6,103': 635 Bbls of fluid containing 54,537#'s of sand,
 5,654'-5,787': 520 Bbls of fluid containing 37,433#'s of sand,
 5,438'-5,590': 800 Bbls of fluid containing 72,500#'s of sand, 5,204'-5,530': 3612 Bbls of fluid containing 67,153#'s of sand,
 5,075'-5,080': 419 Bbls of fluid containing 21,171#'s of sand, 4,893'-4,896': 498 Bbls of fluid containing 30,124#'s of sand,
 4,800'-4,838': 759 Bbls of fluid containing 68,960#'s of sand, 4,666'-4,715': 577 Bbls of fluid containing 65,000#'s of sand.
 Isolation plugs used were Halliburton 8K Composite Plugs, fluid used was Dyna 22 LP 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 PBSD, 6,613'. The well was swabbed until a good oil cut was see, then ran a pump on 12/4/2014 and put to pump.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE	DATE <u>2/18/2015</u>

(This space for State use only)

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

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-4745

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 36-12-E4

9. API NUMBER
4301352938

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN
SWSW 36 5S 4W U

12. COUNTY
Duchesne

13. STATE
UTAH

14. DATE SPUNDED: 10/6/2014

15. DATE T.D. REACHED: 10/20/2014

16. DATE COMPLETED: 12/5/2014

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
6,850' RKB

18. TOTAL DEPTH: MD 6,685 TVD 6,527

19. PLUG BACK T.D.: MD 6,613 TVD 6,455

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, Borehole Volume Plot, Cement Bond Log

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
26	16 J-55	75	0	73				0	Conductor
12.25	8.625 J-55	24	0	543		G 350	72	0	
7.875	5.5 J-55	15.5	0	6,678		G 945	300	1494	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	6,421							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	4,666	6,194	4,510	6,036	4,666 6,390	0.42	660	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Wasatch	6,259	6,390	6,101	6,232				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"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4,666'-6,194'	8,411 Bbls of Dynafrac HT 25 Gelled Fluid containing 294,508#'s 20/40 Mehs Sand
6,259'-6,390'	723 Bbls of Dynafrac HT 25 Gelled Fluid containing 55,180#'s 20/40 Mehs Sand

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: UDOGM Form 7

30. WELL STATUS:

POW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/3/2014		TEST DATE: 1/10/2015		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 87	GAS – MCF: 45	WATER – BBL: 102	PROD. METHOD: Rod Pump
CHOKE SIZE: 32/64	TBG. PRESS. 200	CSG. PRESS. 188	API GRAVITY 40.80	BTU – GAS 1	GAS/OIL RATIO 517	24 HR PRODUCTION RATES: →	OIL – BBL: 87	GAS – MCF: 45	WATER – BBL: 102	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 Shale	2,857
				Lower Parachute Creek	3,174
				Garden Gulch	3,578
				Middle Garden Gulch	4,003
				Lower Garden Gulch	4,495
				Douglas Creek	4,633
				Lower Douglas Creek	5,007
				Castle Peak	5,552
				Uteland Butte	5,982
				Wasatch	6,247

35. ADDITIONAL REMARKS (Include plugging procedure)

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 3/2/2015

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

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Ute Tribal 36-12-E4

API number: 4301352938

Well Location: QQ SWSW Section 36 Township 5S Range 4W 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: Pro Petro

Address: 1422 East 1500 South

city Vernal state UT zip 84078

Phone: (435) 789-1735

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	540	0	No Water Encountered

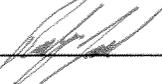
Formation tops: 1 _____ 2 _____ 3 _____
 (Top to Bottom) 4 _____ 5 _____ 6 _____
 7 _____ 8 _____ 9 _____
 10 _____ 11 _____ 12 _____

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

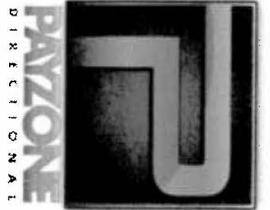
I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Rodrigo Jurado

TITLE Regulatory Compliance Specialist

SIGNATURE 

DATE 10/9/2014



Job Number: UT141446
 Company: Petroglyph
 Lease/Well: Ute Tribal 36-12-E4
 Location: Section 36 T5S R4W
 Rig Name: Capstar 334
 RKB: 6849.8 KB =13'
 G.L. or M.S.L.: 6836.8

State/Country: Utah
 Declination: 10.97
 Grid: True
 File name: C:\WINSERVE\UT141446.SVY
 Date/Time: 20-Oct-14 / 22:22
 Curve Name: As Drilled

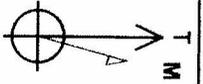
WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 342.70
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

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
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
593.00	.79	247.53	592.98	-1.56	-3.78	-.37	4.09	247.53	.13
685.00	1.19	338.19	684.97	-.92	-4.72	.53	4.81	258.99	1.56
X-Over to DP									
800.00	2.94	354.89	799.89	3.13	-5.43	4.60	6.26	299.97	1.59
884.00	3.78	348.21	883.75	7.98	-6.18	9.46	10.10	322.25	1.10
969.00	4.70	347.77	968.52	14.13	-7.49	15.72	15.99	332.06	1.08
1053.00	5.77	351.91	1052.16	21.68	-8.82	23.32	23.40	337.87	1.35
1138.00	6.81	353.44	1136.65	30.91	-9.99	32.49	32.49	342.08	1.24
1222.00	7.69	353.13	1219.98	41.44	-11.23	42.91	42.94	344.83	1.05
1306.00	8.48	350.32	1303.14	53.13	-12.95	54.57	54.68	346.30	1.05
1390.00	9.45	343.28	1386.12	65.84	-15.97	67.61	67.75	346.36	1.74
1475.00	10.11	341.18	1469.88	79.58	-20.39	82.04	82.15	345.63	.88
1559.00	10.62	340.01	1552.51	93.83	-25.41	97.14	97.21	344.85	.66

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE		Dogleg Severity Deg/100
								Direction	Deg	
1643.00	11.25	342.67	1634.99	108.93	-30.50	113.07	113.12	344.36	.96	
1727.00	11.56	343.46	1717.33	124.82	-35.34	129.68	129.72	344.19	.41	
1812.00	12.22	347.81	1800.51	141.78	-39.66	147.16	147.22	344.37	1.31	
1896.00	13.18	350.36	1882.45	159.91	-43.14	165.50	165.63	344.90	1.32	
1980.00	14.19	350.18	1964.06	179.49	-46.50	185.20	185.42	345.48	1.20	
2065.00	16.04	348.60	2046.12	201.27	-50.60	207.22	207.54	345.89	2.23	
2149.00	18.46	346.93	2126.34	225.61	-55.90	232.03	232.43	346.08	2.94	
2233.00	18.98	344.12	2205.89	251.70	-62.65	258.94	259.38	346.02	1.24	
2318.00	20.04	342.67	2286.01	278.90	-70.77	287.33	287.74	345.76	1.37	
2402.00	20.52	347.99	2364.81	307.04	-78.12	316.38	316.82	345.73	2.27	
2486.00	20.27	347.85	2443.55	335.67	-84.24	345.53	346.08	345.91	.30	
2577.00	21.18	347.77	2528.66	367.14	-91.05	377.61	378.26	346.07	1.00	
2669.00	22.50	345.53	2614.05	400.43	-98.96	411.75	412.48	346.12	1.70	
2760.00	23.33	344.16	2697.87	434.63	-108.23	447.15	447.90	346.02	1.08	
2851.00	23.95	341.35	2781.24	469.47	-119.06	483.63	484.33	345.77	1.41	
2942.00	24.30	340.43	2864.29	504.61	-131.24	520.81	521.40	345.42	.56	
3033.00	24.11	337.89	2947.29	539.47	-144.51	558.04	558.49	345.00	1.16	
3124.00	24.26	337.22	3030.31	573.93	-158.74	595.17	595.48	344.54	.34	
3216.00	23.95	336.08	3114.28	608.42	-173.63	632.53	632.71	344.07	.61	
3307.00	23.42	338.10	3197.62	642.09	-187.86	668.91	669.01	343.69	1.06	
3398.00	22.15	339.42	3281.52	674.93	-200.64	704.06	704.12	343.44	1.50	
3489.00	20.87	341.97	3366.18	706.41	-211.69	737.40	737.44	343.32	1.74	
3581.00	18.95	343.18	3452.68	736.29	-221.08	768.73	768.77	343.29	2.13	
3672.00	17.58	341.18	3539.09	763.44	-229.79	797.24	797.28	343.25	1.66	
3763.00	16.39	344.30	3626.12	788.81	-237.70	823.81	823.85	343.23	1.65	
3854.00	14.37	345.61	3713.86	812.11	-243.98	847.93	847.97	343.28	2.25	
3946.00	13.71	344.91	3803.11	833.70	-249.66	870.22	870.28	343.33	.74	
4037.00	13.75	346.32	3891.51	854.62	-255.02	891.79	891.86	343.38	.37	
4128.00	12.48	344.16	3980.13	874.59	-260.27	912.42	912.49	343.43	1.50	
4220.00	12.30	346.32	4069.99	893.67	-265.30	932.13	932.22	343.47	.54	
4311.00	10.81	345.26	4159.15	911.34	-269.76	950.33	950.43	343.51	1.65	
4402.00	9.32	342.98	4248.74	926.64	-274.09	966.23	966.33	343.52	1.69	
4494.00	8.09	341.79	4339.68	939.92	-278.29	980.15	980.25	343.51	1.35	
4585.00	6.80	345.13	4429.91	951.21	-281.68	991.94	992.03	343.50	1.49	

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE		Dogleg Severity Deg/100
								Direction	Deg	
4676.00	7.21	347.20	4520.23	961.98	-284.32	1003.01	1003.12	343.53	.53	
4767.00	6.28	346.62	4610.60	972.39	-286.74	1013.67	1013.79	343.57	1.02	
4859.00	5.32	343.99	4702.13	981.39	-289.08	1022.96	1023.08	343.59	1.08	
4950.00	4.26	341.13	4792.81	988.64	-291.34	1030.55	1030.67	343.58	1.19	
5041.00	3.52	334.85	4883.60	994.37	-293.62	1036.70	1036.81	343.55	.94	
5132.00	2.77	323.86	4974.46	998.67	-296.10	1041.55	1041.64	343.49	1.05	
5224.00	2.37	322.32	5066.37	1001.97	-298.58	1045.43	1045.51	343.41	.44	
5315.00	1.80	306.15	5157.31	1004.30	-300.88	1048.35	1048.41	343.32	.89	
5406.00	1.27	287.65	5248.28	1005.45	-303.00	1050.07	1050.12	343.23	.79	
5497.00	1.23	257.90	5339.26	1005.55	-304.91	1050.74	1050.77	343.13	.71	
5588.00	1.45	249.99	5430.23	1004.96	-306.95	1050.77	1050.79	343.02	.32	
5679.00	1.36	246.03	5521.21	1004.12	-309.02	1050.59	1050.60	342.89	.15	
5771.00	1.40	229.75	5613.18	1002.95	-310.87	1050.03	1050.03	342.78	.43	
5862.00	1.49	219.53	5704.15	1001.32	-312.47	1048.95	1048.95	342.67	.30	
5953.00	1.63	212.68	5795.12	999.32	-313.93	1047.47	1047.47	342.56	.26	
6044.00	1.54	217.12	5886.08	997.26	-315.36	1045.92	1045.93	342.45	.17	
6136.00	.75	210.48	5978.06	995.75	-316.41	1044.80	1044.82	342.37	.87	
6227.00	.97	193.56	6069.05	994.49	-316.90	1043.74	1043.76	342.33	.37	
6318.00	1.23	197.78	6160.04	992.81	-317.38	1042.28	1042.31	342.27	.30	
6410.00	1.45	206.22	6252.01	990.83	-318.19	1040.62	1040.66	342.20	.32	
6501.00	1.58	204.46	6342.98	988.65	-319.22	1038.85	1038.91	342.11	.15	
6592.00	1.76	206.61	6433.94	986.26	-320.36	1036.91	1036.99	342.00	.21	
6621.00	1.67	202.70	6462.93	985.47	-320.73	1036.27	1036.35	341.97	.51	
6685.00	1.67	202.70	6526.90	983.75	-321.45	1034.84	1034.94	341.90	.00	

Job Number UT 141446
 Company Petroglyph
 Well: Ute Tribal 36-12-E4
 Rig Name: Capstar 334
 Design: Actual



Azimuths to True North
 Magnetic North: 10.97°
 Magnetic Field
 Strength: 51874.5nT
 Dip Angle: 65.63°
 Date: 10/13/2014
 Model: IGRF2010

