

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 30-16K				
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 ANTELOPE CREEK				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME ANTELOPE CREEK				
6. NAME OF OPERATOR PETROGLYPH OPERATING CO						7. OPERATOR PHONE 208 685-7674				
8. ADDRESS OF OPERATOR 960 Broadway Ave, Ste 500, Bosie, ID, 83703						9. OPERATOR E-MAIL bwest@pgei.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-3519			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		507 FSL 598 FEL		SESE	30	5.0 S	3.0 W	U		
Top of Uppermost Producing Zone		1290 FSL 1250 FEL		SESE	30	5.0 S	3.0 W	U		
At Total Depth		1290 FSL 1250 FEL		SESE	30	5.0 S	3.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 507			23. NUMBER OF ACRES IN DRILLING UNIT 640				
27. ELEVATION - GROUND LEVEL 6701			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1258			26. PROPOSED DEPTH MD: 6285 TVD: 6285				
			28. BOND NUMBER BO 4556			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8342				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	18	14	0 - 40	5.0	Unknown	10.0	Class G	25	1.17	15.8
SURF	12.25	8.625	0 - 480	24.0	J-55 ST&C	10.0	Class G	220	1.17	15.8
PROD	8.75	5.5	0 - 6285	15.5	J-55 LT&C	10.0	Class G	516	1.91	12.5
							Class G	353	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 checked="" 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 06/01/2011			EMAIL edtrotter@easilink.com			
API NUMBER ASSIGNED 43013508110000				APPROVAL  Permit Manager						

CONFIDENTIAL
EIGHT POINT PLAN

UTE TRIBAL 30-16K
SE/SE, SEC. 30, T5S, R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Trona	2808	3927
Mahogany Shale	2963	3775
“B”Marker	4067	2691
“X” Marker	4557	2210
Douglas Creek	4702	2068
“B” Limestone	5085	1692
B/Castle Peak Limestone	5641	1146
BSCARB	6082	713
Total Depth	6285	
Anticipated Maximum BHP	1900	

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4702	2068
Oil/Gas	B/Castle Peak	5641	1146

Other mineral zones N/A

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.**4. CASING PROGRAM:**

Hole	Casing	Top – MD	Bottom – MD	Weight lb/ft	Grade	Thread
18”	14”	sfc	40’	steel	cond	none
12 ¼”	8 5/8”	sfc	480’	24.0	J-55	STC
8 ¾”	5 1/2”	sfc	6285’	15.5	J-55	LTC

Casing Strengths:				Collapse	Burst	Tensile
8 5/8”	24.0 lb.	J-55	STC	1,370 psi	2,950 psi	263,000 lb
5 1/2”	15.5 lb.	J-55	LTC	4,040 psi	4,810 psi	239,000 lb

All casing will be new or inspected.

CONFIDENTIAL
EIGHT POINT PLAN

UTE TRIBAL 30-16K
SE/SE, SEC. 30, T5S, R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 480'
480' - TD

MUD TYPE

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

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. CEMENT PROGRAM:

20" Conductor:

Cement to surface with construction cement.

8 5/8" Casing: sfc - 500'

Lead/Tail Slurry: 0' - 500': 220 sks (257 cu ft) Class G cement + 0.25 lbsk Cello Flake + 2% CaCl₂. Slurry wt: 15.8 ppg, Slurry yield: 1.17 ft³/sk, Slurry volume: 12-1/4" hole + 30% excess. (Cement will be circulated to surface).

5 1/2" Casing: sfc - 6285'

Lead Slurry: sfc - 4000': 516 sks (986 cu ft) EXPANDACEM System (Class "G" + additives) + 1 lb/sx Granulite TR 1/4 (Lost Circulation Material) (12.5 PPG±, 1.91 ft³/sk) hole + 30% excess.

Tail Slurry:

4000' - 6285': 353 sx (515 cu ft) EXPANDACEM System (Class "G" + additives) + 1 lb/sx Granulite TR 1/4 (Lost Circulation Material) (13.4 ppg±, 1.46ft³/sk) hole + 30% excess. Cement will be circulated to surface.

7. VARIANCE REQUESTS:

- A. Petroglyph Operating Company, Inc. requests a variance to regulations requiring a straight run blooie line during drilling of surface hole.
- B. Petroglyph Operating Company, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line during drilling of surface hole.

CONFIDENTIAL
EIGHT POINT PLAN

UTE TRIBAL 30-16K
SE/SE, SEC. 30, T5S, R3W
DUCHESNE COUNTY, UTAH

- C. Petroglyph Operating Company, Inc. requests a variance to regulations requiring 100' of blooie line discharge from the well head during drilling of surface hole.
- D. Petroglyph Operating Company, Inc. requests a variance to regulations for compressors to be 100' from well head during drilling of surface hole.

8. EVALUATION PROGRAM:

Logs: Platform Express TD to base of surface casing
(DLL, MSFL, CNG, CDL, GR)
Cores: None anticipated
DST: None Programmed

Completion: To be submitted at a later date.

9. ABNORMAL CONDITIONS:

None anticipated.

10. STANDARD REQUIRED EQUIPMENT:

None Required

11. HAZARDOUS CHEMICALS:

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

(Attachment: BOP Schematic Diagram)

PETROGLYPH OPERATING CO., INC.

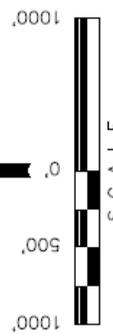
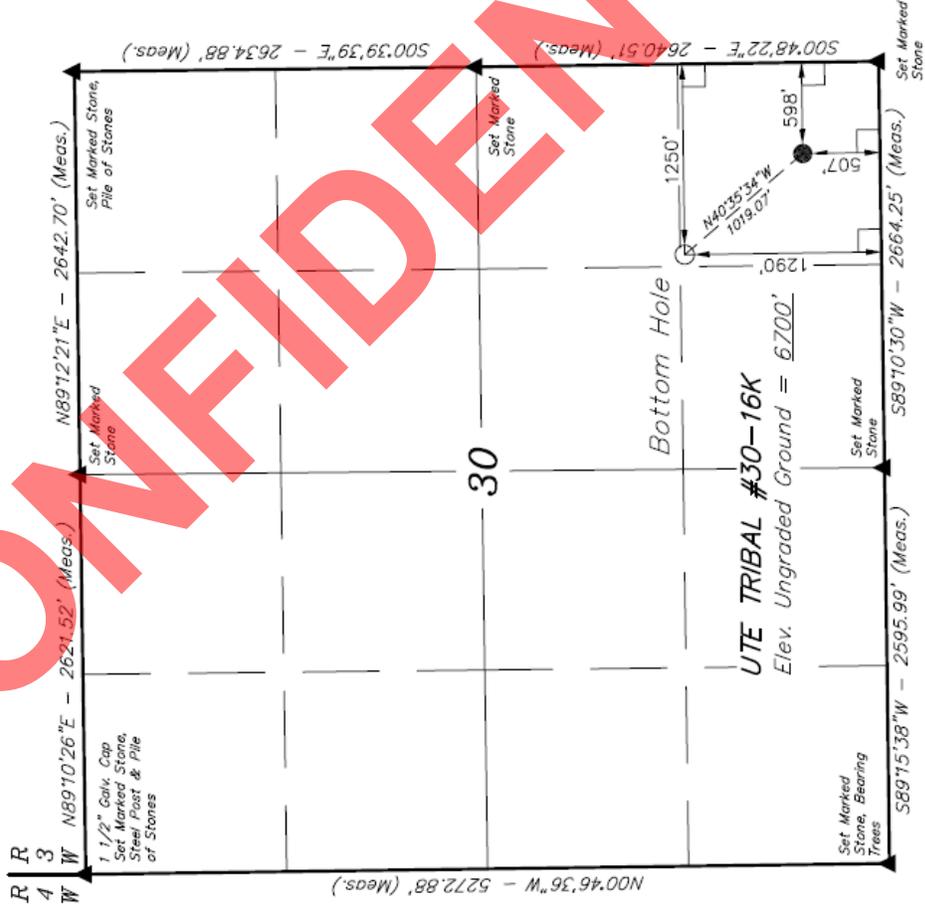
Well location, UTE TRIBAL #30-16K, located as shown in the SE 1/4 SE 1/4 of Section 30, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS PREPARED FOR THE 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.
KAY ROBERTS
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

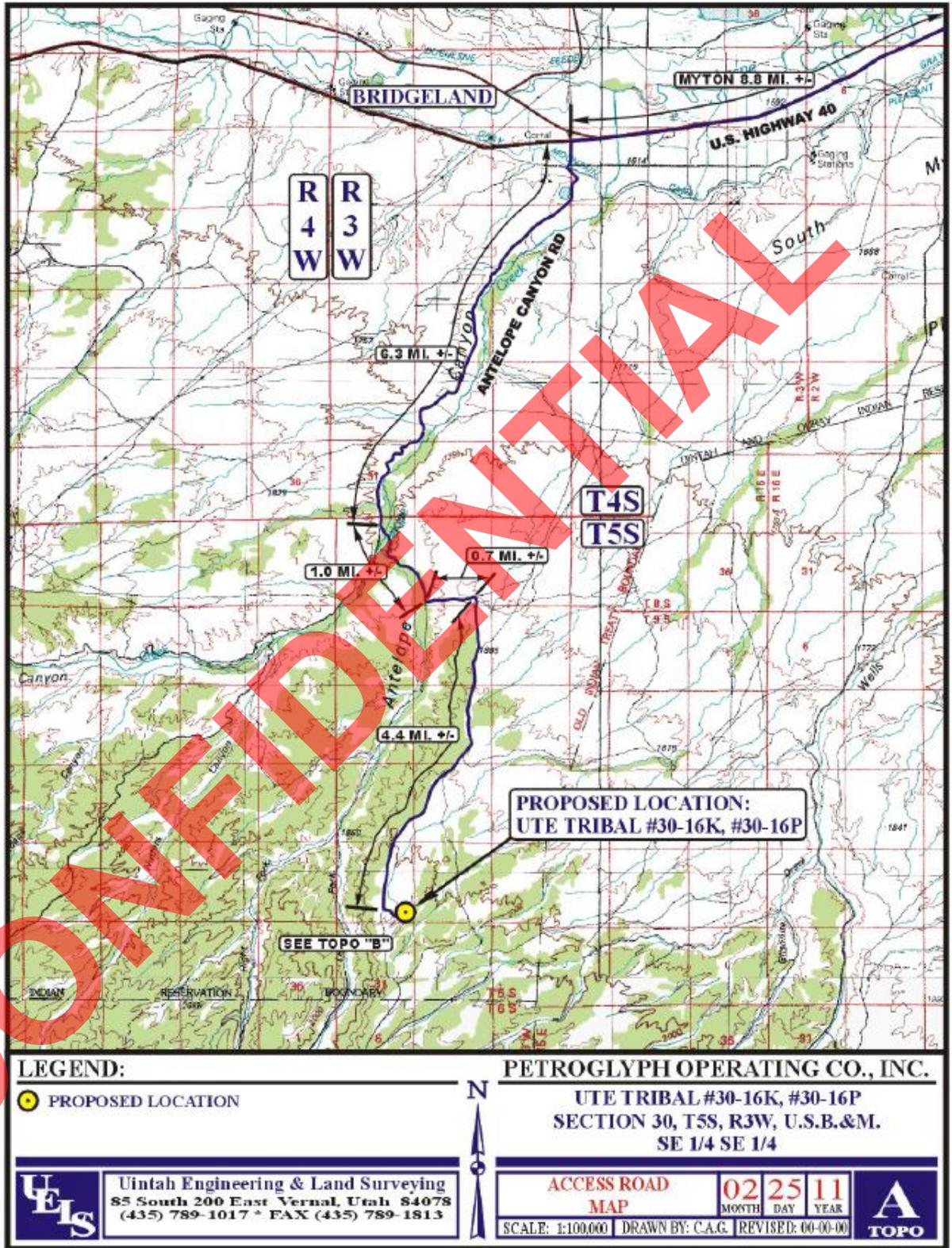
UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

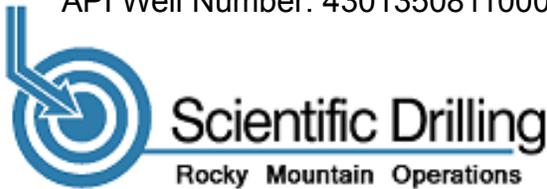
SCALE	1" = 1000'	DATE SURVEYED:	02-16-11	DATE DRAWN:	03-02-11
PARTY	G.S. G.B. M.D.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	PETROGLYPH OPERATING CO., INC.		

LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°00'50.07" (40.013908)	LATITUDE = 40°00'42.33" (40.011758)
LONGITUDE = 110°15'38.48" (110.260689)	LONGITUDE = 110°15'30.10" (110.258361)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°00'50.21" (40.013947)	LATITUDE = 40°00'42.47" (40.011797)
LONGITUDE = 110°15'39.93" (110.259981)	LONGITUDE = 110°15'27.55" (110.257653)





Company: Petroglyph Operating Co. Inc.
 Project: Duchesne County, UT NAD83
 Site: UTE Tribal 30-16K
 Well: UT 30-16K
 Wellbore: Wellbore #1

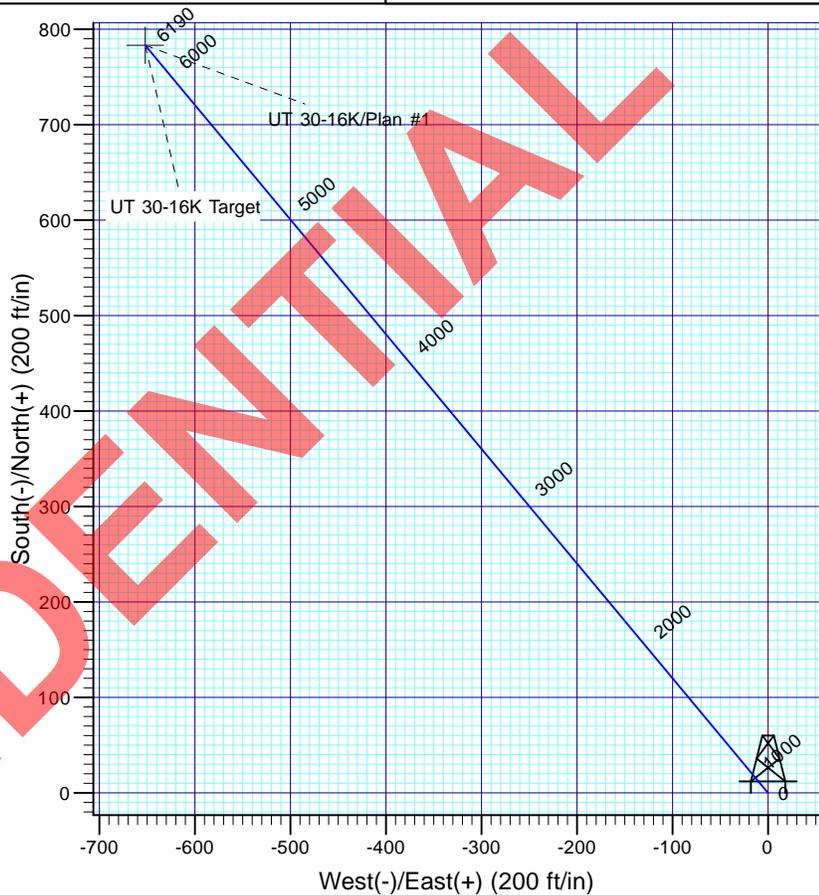
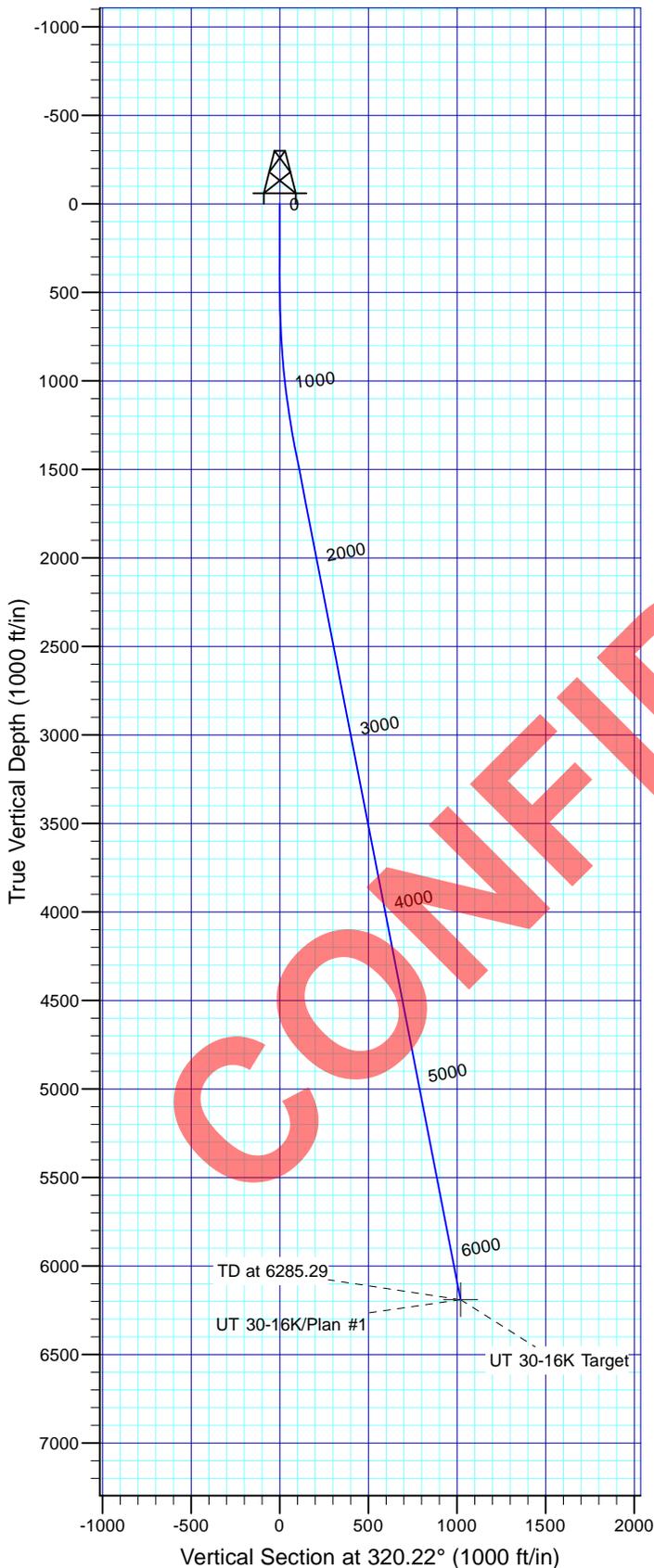
Well Details: UT 30-16K

TVD Reference: WELL @ 6700.00ft (Original Well Elev) Ground Level: 0.00
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 7175420.43 1988173.58 40° 0' 42.330 N 110° 15' 30.100 W



Azimuths to True North
 Magnetic North: 11.41°

Magnetic Field
 Strength: 52234.1snT
 Dip Angle: 65.73°
 Date: 4/5/2011
 Model: IGRF2010



Plan: Plan #1

15:15, April 08 2011
 Created By: Janie Cooke

PROJECT DETAILS: Duchesne County, UT NAD83

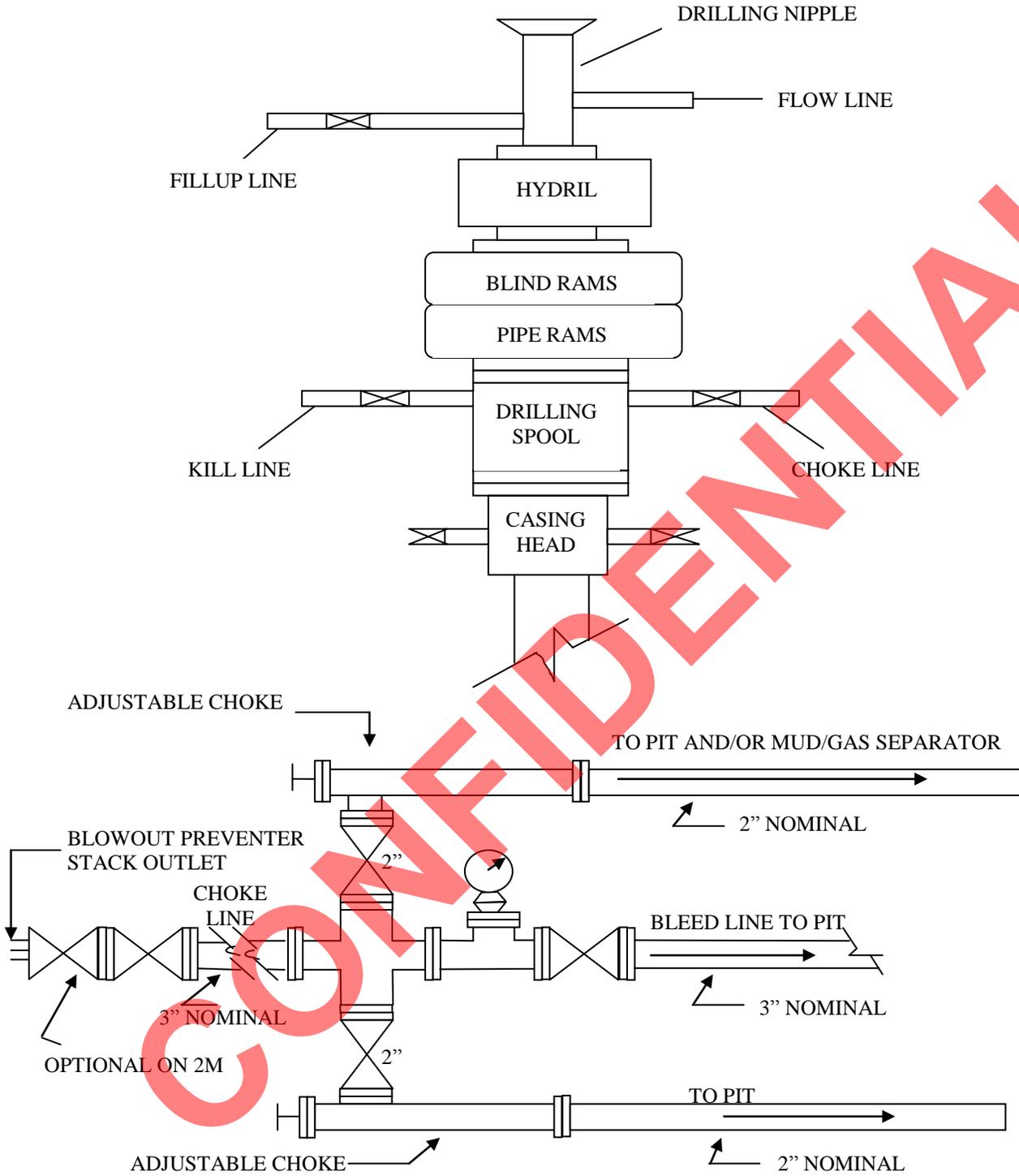
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone

System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
	3378.88	10.99	320.22	1373.51	64.56	-53.74	1.25	320.22	84.00	
	6285.29	10.99	320.22	6190.00	783.16	-651.96	0.00	0.00	0.01	UT 30-16K Target

SCHEMATIC DIAGRAM OF 2000 PSI BOP STACK



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

May 23, 2011

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 30-16K: 507' FSL & 598' FEL, SE/SE (Surface)
1290' FSL & 1250' FEL, SE/SE (Bottom Hole)
Sec. 30, T5S, R3W, U.S.B.&M.,
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.'s Application for Permit to Drill regarding the above referenced well on May 23, 2011, 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 30-16K 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 directionally drilling 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 30-16K Well, located in the SE/SE of Section 30, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3519;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #BO 4556.

Date

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

CONFIDENTIAL

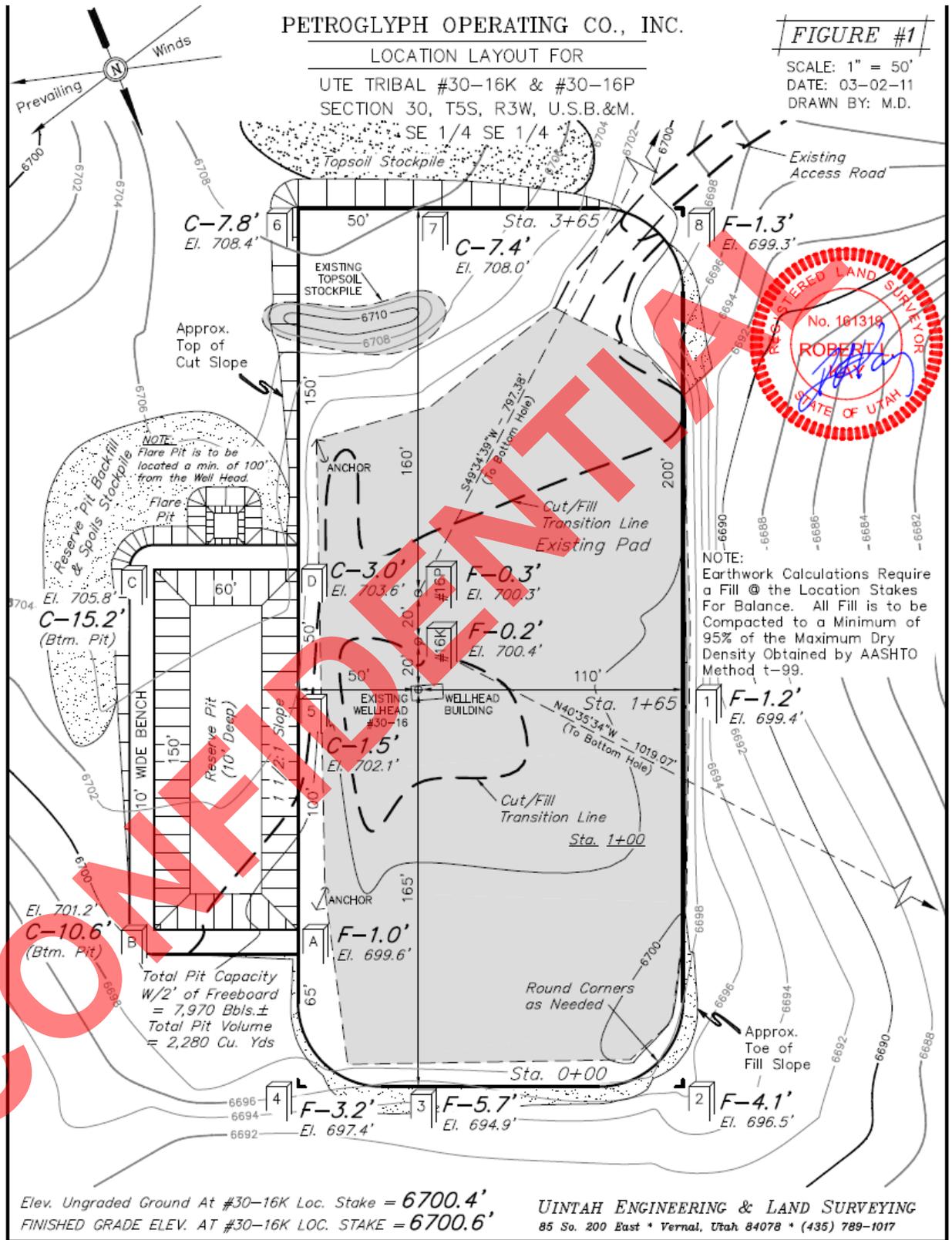
PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #30-16K & #30-16P
SECTION 30, T5S, R3W, U.S.B.&M.
SE 1/4 SE 1/4

FIGURE #1

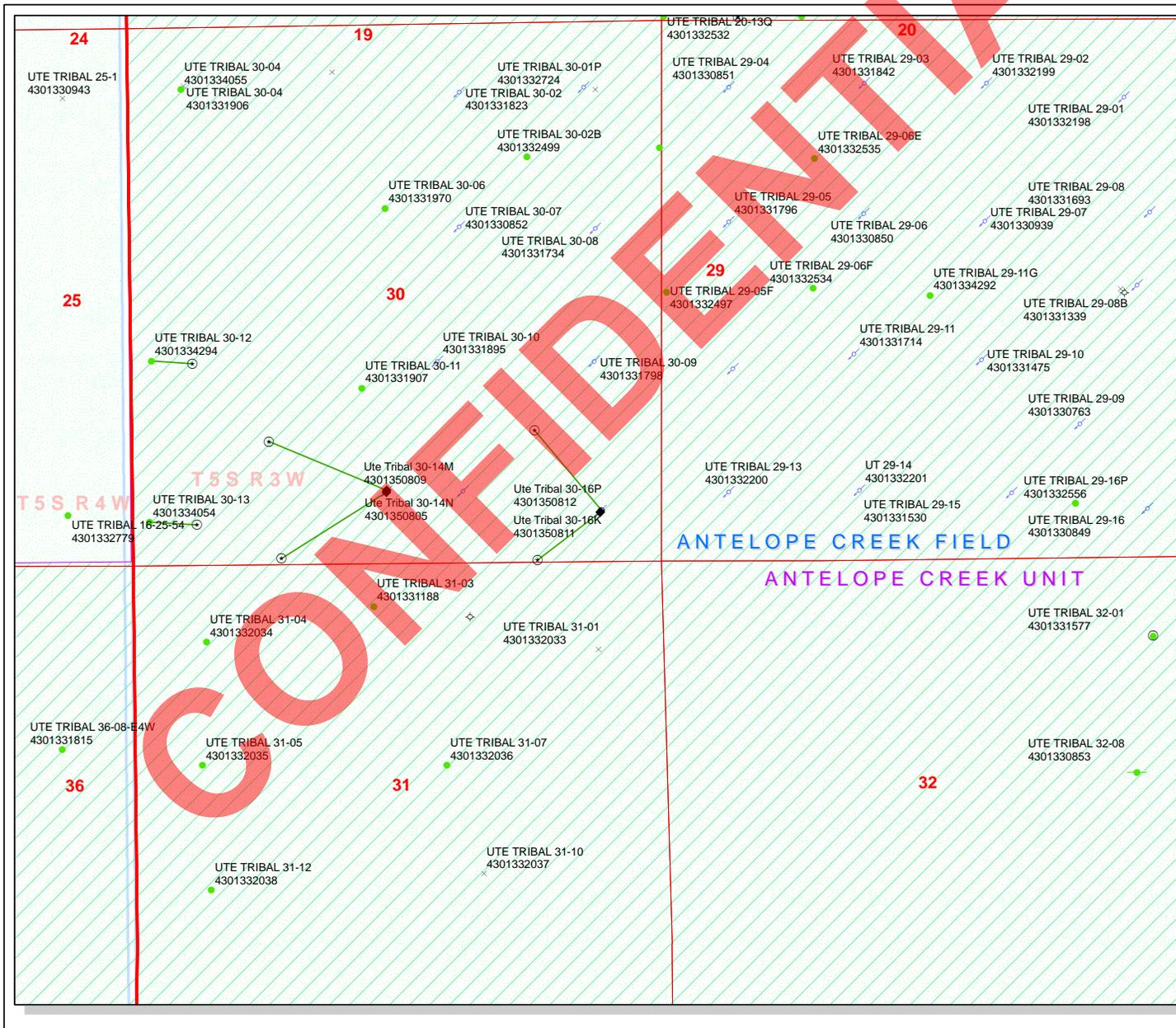
SCALE: 1" = 50'
DATE: 03-02-11
DRAWN BY: M.D.



NOTE:
Earthwork Calculations Require a Fill @ the Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

Elev. Ungraded Ground At #30-16K Loc. Stake = 6700.4'
FINISHED GRADE ELEV. AT #30-16K LOC. STAKE = 6700.6'

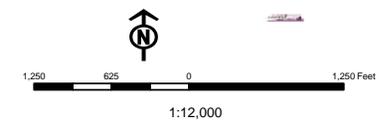
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



API Number: 4301350811
Well Name: Ute Tribal 30-16K
Township T0.5 . Range R0.3 . Section 30
Meridian: UBM
Operator: PETROGLYPH OPERATING CO

Map Prepared:
 Map Produced by Diana Mason

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



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/1/2011

API NO. ASSIGNED: 43013508110000

WELL NAME: Ute Tribal 30-16K

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: SESE 30 050S 030W

Permit Tech Review:

SURFACE: 0507 FSL 0598 FEL

Engineering Review:

BOTTOM: 1290 FSL 1250 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.01172

LONGITUDE: -110.25773

UTM SURF EASTINGS: 563351.00

NORTHINGS: 4429112.00

FIELD NAME: ANTELOPE CREEK

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3519

PROPOSED PRODUCING FORMATION(S): CASTLE PEAK

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - BO 4556
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-8342
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Ute Tribal 30-16K
API Well Number: 43013508110000
Lease Number: 14-20-H62-3519
Surface Owner: INDIAN
Approval Date: 6/20/2011

Issued to:

PETROGLYPH OPERATING CO, 960 Broadway Ave, Ste 500, Bosie, ID 83703

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 214-2. The expected producing formation or pool is the CASTLE PEAK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

General:

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

Conditions of Approval:

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

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

Notification Requirements:

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

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

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a faint, illegible stamp or background.

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		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3519
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 30-16K
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		9. API NUMBER: 4301350811
PHONE NUMBER: (435) 722-2531		10. FIELD AND POOL, OR WILDCAT: Antelope Creek

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **507' FSL, 598' FEL** COUNTY: **Duchesne**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESE 30 5S 3W** 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 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: _____	<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 checked="" type="checkbox"/> OTHER: <u>Spud Notification</u>
	<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.

We spud this well on 9/26/2011 at 7:00 A.M. We set 40' of 14" conductor

RECEIVED
SEP 29 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Les Farnsworth	TITLE District Manager
SIGNATURE	DATE 9/29/2011

(This space for State use only)

RECEIVED

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

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

~~JUL 29 2011~~
MAY 25 2011

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

5. Lease Serial No. **14-20-H62-3519**
6. If Indian, Allottee or Tribe Name
UTE INDIAN TRIBE
7. If Unit or CA Agreement, Name and No.
14-20-H62-4650
8. Lease Name and Well No.
UTE TRIBAL 30-16K

1a. Type of Work: DRILL RE-ENTER
1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

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

9. API Well No.
43 013 50811

3a. Address **P.O. BOX 1910
VERNAL, UT 84078**
3b. Phone No. (Include area code)
(435)789-4120

10. Field and Pool, or Exploratory
ANTELOPE CREEK

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface **507' FSL, 598' FEL, SE/SE, SEC. 30, T5S, R3W,**
Bottom Hole: **1290' FSL, 1250' FEL, SE/SE, SEC. 30, T5S, R3W**
At proposed prod. Zone

11. Sec., T., R., M., or Blk. and Survey or Area
**SEC. 30, T5S, R3W,
U.S.B.&M.**

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

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

15. Distance from proposed* location to nearest property or lease line, ft. **488'**
(Also to nearest drig. Unit line, if any)
16. No. of Acres in lease **640**

17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **See Topo Map "C"**
19. Proposed Depth **6285' TMD
6190' TVD**

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

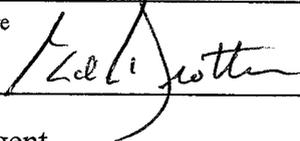
21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6700.6 FEET GRADED GROUND
22. Approximate date work will start*
UPON APPROVAL

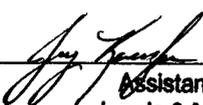
23. Estimated duration
10 DAYS

24. Attachments

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

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

25. Signature  Name (Printed/Typed) **Ed Trotter** **RECEIVED** Date **May 23, 2011**
Title **Agent** **OCT 07 2011**
DIV. OF OIL, GAS & MINING

Approved by (Signature)  Name (Printed/Typed) **Jerry Kenczka** Date **SEP 21 2011**
Title **Assistant Field Manager** Office **VERNAL FIELD OFFICE**
Lands & Mineral Resources

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

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

*(Continued on page 2)



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Petroglyph Operating Co., Inc.	Location:	SESE, Sec. 30 T5S R3W USM
Well No:	Ute Tribal 30-16K	Lease No:	14-20-H62-3519
API No:	43-013-50811	Agreement:	14-20-H62-4650

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: 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)**

Additional Stipulations:

- 1) All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- 2) The conditions as set forth by those owners and/or agencies.

General Conditions of Approval:

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

- All personnel will refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department will be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

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

SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 75 feet.
- All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

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

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- 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 ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

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

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

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

FORM 6

ENTITY ACTION FORM

Operator: Petroglyph Operating Company Inc. 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
4301350812	Ute Tribal 30-16P		SESE	30	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	12216	9/26/2011				
Comments: Please add 30-16P to 30-15 TB. CSLPK = GRRV							CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350811	Ute Tribal 30-16K		SESE	30	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	12216	9/26/2011			10/14/11	
Comments: Please add 30-16K to 30-15 TB CSLPK = GRRV BHL = SESE							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)

RECEIVED

OCT 03 2011

Rodrigo Jurado

Name (Please Print)



Regulatory Specialist

Title

9/29/2011

Date

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-3519

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 30-16K

9. API NUMBER:
4301350811

10. FIELD AND POOL, OR WLDCAI:
Antelope Creek

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
Petroglyph Operating Company Inc.

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

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **507' FSL, 598' FEL**

PHONE NUMBER:
(435) 722-2531

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESE 30 5S 3W**

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: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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.
All Produced water will be trucked or pumped through pipeline to an injection pump station for reinjection.

COPY SENT TO OPERATOR
Date: 11/2/2011
Initials: KS

RECEIVED
SEP 29 2011

DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

*Federal Approval of this
Action is Necessary*

NAME (PLEASE PRINT) **Les Farnsworth** TITLE **District Manager**

SIGNATURE *Les Farnsworth* DATE **9/29/2011**

(This space for State use only)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3519
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: ANTELOPE CREEK
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: UTE TRIBAL 30-16K
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013508110000
3. ADDRESS OF OPERATOR: 960 Broadway Ave, Ste 500, Bosie, ID, 83703	PHONE NUMBER: 208 685-7674 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0507 FSL 0598 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 05.0S Range: 03.0W Meridian: U	9. FIELD and POOL or WILDCAT: ANTELOPE CREEK 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: 12/5/2011 <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: 50px;" type="text"/>

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

Petroglyph Operating plans to perforate and frac the following zones and depth intervals: B8.1: 4430-44' B8.2: 4460-67' B10: 4518-28' B12: 4622-40' C5: 4793-96'/4800-07' C6: 4940-49' C9: 5056-61' E0.2: 5704-06' E1.1: 5703.5-05.5'/5712-31' E3.3: 5821-28' E5.1: 5912-22' E6: 5974-76' E7: 6006-10' All perfs will be shot with 3 1/8" Titan perf guns containing 22.7 gram charges, 0.42" EHD & 23.54" TTP @ 4 spf @ 120* phased. Fracing will be done used Delta 140 15# gelled fluid and 20/40 mesh sand, volumes and weights to be reported at a later time depending on results of completion.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 12/06/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 12/2/2011	

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-3519

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:
ANTELOPE CREEK

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
UTE TRIBAL 30-16K

2. NAME OF OPERATOR:
PETROGLYPH OPERATING CO

9. API NUMBER:
43013508110000

3. ADDRESS OF OPERATOR:
960 Broadway Ave, Ste 500, Bosie, ID, 83703

PHONE NUMBER:
208 685-7674 Ext

9. FIELD and POOL or WILDCAT:
ANTELOPE CREEK

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0507 FSL 0598 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 30 Township: 05.0S Range: 03.0W 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/14/2011 <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 checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
The date of first production for this well was 12/14/2011.

NAME (PLEASE PRINT)
Rodrigo Jurado

PHONE NUMBER
435 722-5302

TITLE
Regulatory & Compliance Spc

SIGNATURE
N/A

DATE
12/15/2011

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: 14-20-H62-3519
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		8. WELL NAME and NUMBER: UTE TRIBAL 30-16K
3. ADDRESS OF OPERATOR: 960 Broadway Ave, Ste 500 , Bosie, ID, 83703		9. API NUMBER: 43013508110000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0507 FSL 0598 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 05.0S Range: 03.0W Meridian: U		9. FIELD and POOL or WILDCAT: ANTELOPE CREEK
		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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/29/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

Please see attachment. There is not enough room on this form for the necessary information.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 03, 2012**

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 12/30/2011	

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3519
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
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.		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
		8. WELL NAME and NUMBER: Ute Tribal 30-16K
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	9. API NUMBER: 4301350811	
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.	10. FIELD AND POOL, OR WMLDCAT: Antelope Creek	
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: 507' FSL, 598' FEL COUNTY: Duchesne		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 30 5S 3W 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: 12/29/2011	<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 11/22/2011 Petroglyph Operating Ran GR/CBL from 6,255' to 50'. Found ETOC @ 1,175'ft. Perforated Zone #1: E7: 6006'-6010', E6: 5974'-5976', E5.1: 5912'-5922', E3.3 5821'-5828'. Fraced Zone #1 on 12/5/2011 w/ 687 bbls Delta 140 15# gelled fluid containing 30,009#'s 20/40 mesh sand 1-6#ppg ramp and 3,849#'s 20/40 mesh sand 6#ppg hold. Set isolation plug at 5,780'ft, prforate Zone #2: E1.1: 5703'-5706-, 5712'-5731'. Fraced Zone #2 w/ 506 bbls Delta 140 15# gelled fluid containing 32,399#'s 20/40 mesh sand 1-6#ppg ramp and 9,425#'s 20/40 mesh sand 6#ppg hold. Set isolation plug at 5,200'ft. Perforate Zone #3: C6: 4940'-4949', C9: 5056'-5061', fraced w/ 397 bbls Delta 140 15# gelled fluid containing 23,388#'s 20/40 mesh sand 1-6#ppg ramp and 6,084#'s 20/40 mesh sand 6#ppg hold. Set isolation plug at 4,900'ft. Perforated Zone #4: C5: 4793'-4796', 4800'-4807'. Fraced w/ 297 bbls Delta 140 15# gelled fluid containing 10,792#'s 20/40 mesh sand 1-5#ppg ramp and 3,651#'s 20/40 mesh sand 5#ppg. Isolation plug set at 4,725'ft. Perforate Zone #5: B12: 4622'-4640'. Fraced w/ 422 bbls Delta 140 15# gelled fluid containing 33,632#'s 20/40 mesh sand 1-6#ppg ramp, 7,310#'s 20/40 mesh sand 6#ppg hold. Isolation plug set at 4,593'ft. Perforated Zone #6: B8.1: 4430'-4444', B8.2: 4460'-4467', B10: 4518'-4528'. Fraced w/ 527 bbls Delta 140 15# gelled fluid containing 33,624#'s 20/40 mesh sand 1-6#ppg ramp and 7,705#'s 20/40 mesh sand 6#ppg hold. Kill plug set at 4,200'ft. Rig was brought in and all plugs were drilled out and cleaned out to PBTB @ 6,200'ft. Production tbg was ran and swabbed until good oil cut was seen. Pump and rods were ran and placed on production on 12/29/2011. Note: Perforation guns: Titan 1/8" containing 22.7 gram charges, 0.42" EHD, 23.54" TTP, @ 4 spf @ 120* phased. Plugs were Halliburton 8K composite plugs.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Spc.</u>
SIGNATURE 	DATE <u>12/30/2011</u>

(This space for State use only)

CONFIDENTIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

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

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: **507' FSL, 598' FEL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **1089' FSL, 1054' FEL**
AT TOTAL DEPTH: **1290' FSL, 1243' FEL** *BHL by HSM*

5. LEASE DESIGNATION AND SERIAL NUMBER: **14-20-H62-3519**

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 30-16K**

9. API NUMBER: **4301350811**

10. FIELD AND POOL, OR WILDCAT: **Antelope Creek**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESE 30 5S 3W**

12. COUNTY: **Duchesne** 13. STATE: **UTAH**

14. DATE SPUNDED: **9/26/2011** 15. DATE T.D. REACHED: **10/26/2011** 16. DATE COMPLETED: **12/29/2011** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **6,719 RKB**

18. TOTAL DEPTH: MD **6,347** TVD **6,246** 19. PLUG BACK T.D.: MD **6,200** TVD **6,099-100** 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____

21. DEPTH BRIDGE MD _____ TVD _____ PLUG SET: _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): **CBL, ACTR, Dual Spaced Neutron Spectral Density**

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14 K-55	42	0	58				0	Conductor
12.25"	8.625 J-55	24	0	526		G 290	59	0	
7.875"	5.5 J-55	15.5	0	6,334		G 900	269	1175' 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	6,044							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	4,430	6,010	4,352	5,910
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
4,430 4,444	.42	56	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,460 4,467	.42	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,518 4,528	.42	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,622 4,640	.42	72	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4,430-4,437	41,329# Sand Frac. 527 Bbls 15# Delta 140
4,622-4,640	40,942# Sand Frac. 422 Bbls 15# Delta 140
4,793-4,807	14,443# Sand Frac. 297 Bbls 15# Delta 140

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JAN 11 2012

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: **Additional Info**

POW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/14/2011		TEST DATE: 1/8/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 77	GAS - MCF: 28	WATER - BBL: 58	PROD. METHOD: Rod Pump
CHOKE SIZE: 30	TBG. PRESS. 60	CSG. PRESS. 50	API GRAVITY 39.20	BTU - GAS 1	GAS/OIL RATIO 364	24 HR PRODUCTION RATES: →		OIL - BBL: 77	GAS - MCF: 28	WATER - BBL: 58	INTERVAL STATUS: POW

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)
				Trona	2,890
				Mahogany	2,980
				Garden Gulch	3,690
				B Marker	4,104
				X Marker	4,596
				Y Marker	4,640
				Douglas Creek	4,745
				B Lime	5,127
				Castle Peak	5,685
				Basal Carbonate	6,120

35. ADDITIONAL REMARKS (Include plugging procedure)

Cement Bond Log and Directional Surveys previously submitted.

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 Spc

SIGNATURE 

DATE 1/9/2011

This report must be submitted within 30 days of

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

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

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

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

Phone: 801-538-5340
Fax: 801-359-3940

PETROGLYPH



COMPLETION REPORT ADDITIONAL INFORMATION

Ute Tribal 30-16K, API # 43-013-50811

507' FSL, 598' FEL

SESE Sec. 30, T5S, R3W

Duchesne County, Utah

ITEM 27, Additional perforations			
Interval	Size	No. Holes	Status
4793-4796	0.42"	12	Open
4800-4807	0.42"	28	Open
4940-4949	0.42	36	Open
5056-5061	0.42"	20	Open
5703-5706	0.42"	12	Open
5712-5731	0.42"	76	Open
5821-5828	0.42"	28	Open
5912-5922	0.42"	40	Open
5974-5976	0.42"	8	Open
6006-6010	0.42"	16	Open

ITEM 28, Additional Fracturing	
Depth Interval	Amount and Type of Material
4,940-5,061	29472# Sand frac. 397 Bbl 15# Delta 140
5,703-5,731	41824# Sand frac. 506 Bbl 15# Delta 140
5,821-6,010	33858# Sand frac. 687 Bbl 15# Delta 140

ITEM 29, Enclosed Attachments

CBL and Directional Survey previously submitted to Rachel Medina.

ITEM 34, Additional Formation Markers	
Name	Top
Wasatch	NDE



**Scientific
Drilling**

Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Operator	<u>Petroglyph Operating Co., Inc</u>
Well Name & No.	<u>Ute Tribal 30-16K</u>
County & State	<u>Duchesne County, UT</u>
SDI Job No.	<u>42DEF11101271</u>
Rig	<u>Nabors 946</u>
Survey Date	<u>22-Oct-2011</u>

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 409 feet to a measured depth of 6300 feet is true and correct as determined from all available records.

Julie Cruse

Signature

11-Nov-2011

Date

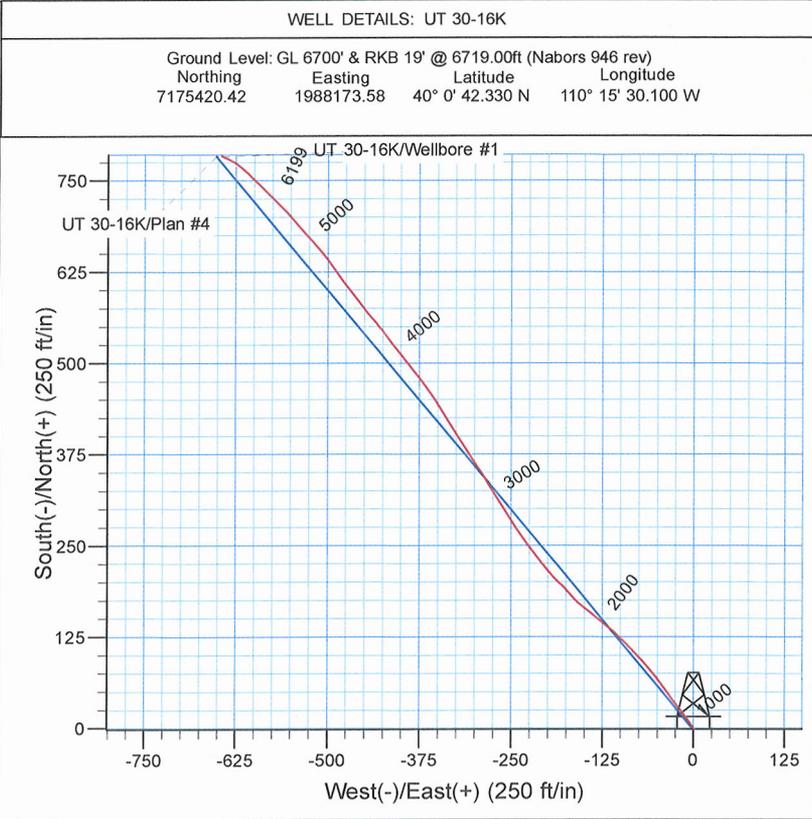
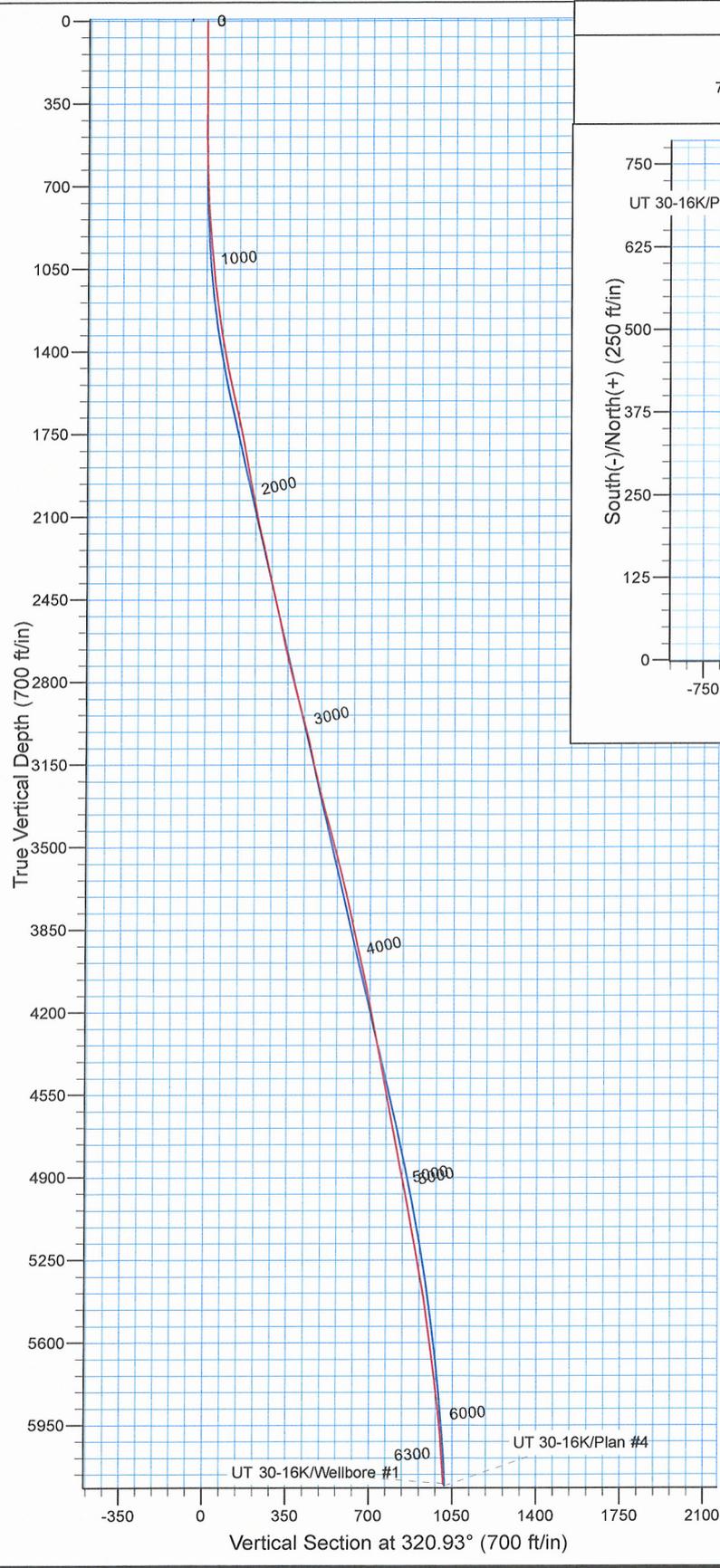
Julie Cruse

Rockies Region Engineer
Scientific Drilling - Rocky Mountain District

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DIV. OF OIL, GAS & MINING



Project: Duchesne County, UT NAD83
 Site: UTE Tribal 30-16K
 Well: UT 30-16K
 Wellbore: Wellbore #1
 Design: Wellbore #1



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well UT 30-16K, True North
 Vertical (TVD) Reference: GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
 Calculation Method: Minimum Curvature
 Local North: True
 Location:

PROJECT DETAILS: Duchesne County, UT NAD83

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone

Design: Wellbore #1 (UT 30-16K/Wellbore #1)

Created By: Julie Cruse Date: 2011-11-11

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 NOV 22 2011
 DIV. OF OIL, GAS & MINING

PETROGLYPH



Petroglyph Operating Co. Inc.

Duchesne County, UT NAD83

UTE Tribal 30-16K

UT 30-16K

Wellbore #1

Design: Wellbore #1

Standard Survey Report

11 November, 2011

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NOV 22 2011

DIV. OF OIL, GAS & MINING



Scientific Drilling



Scientific Drilling
Survey Report



Company:	Petroglyph Operating Co. Inc.	Local Co-ordinate Reference:	Well UT 30-16K
Project:	Duchesne County, UT NAD83	TVD Reference:	GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
Site:	UTE Tribal 30-16K	MD Reference:	GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
Well:	UT 30-16K	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Rockies Compass Server

Project	Duchesne County, UT NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	UTE Tribal 30-16K				
Site Position:	Northing:	7,175,420.43 usft	Latitude:	40° 0' 42.330 N	
From:	Lat/Long	Easting:	1,988,173.58 usft	Longitude:	110° 15' 30.100 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.80 °

Well	UT 30-16K, 507 FSL & 598 FEL					
Well Position	+N/-S	0.00 ft	Northing:	7,175,420.42 usft	Latitude:	40° 0' 42.330 N
	+E/-W	0.00 ft	Easting:	1,988,173.58 usft	Longitude:	110° 15' 30.100 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,700.00 ft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/04/05	11.41	65.73	52,234

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	320.93	

Survey Program	Date: 2011/11/11			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
119.00	409.00	Survey #1 - Gyro Survey (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s
551.00	6,300.00	Survey #2 - SDI MWD (Wellbore #1)	MWD-SDI	

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
409.00	0.58	241.06	408.99	1.74	-0.67	1.78	0.83	0.11	-98.96	
Last SDI Gyro Survey										
551.00	0.26	45.09	550.99	1.62	-1.08	1.94	0.59	-0.23	115.51	
First SDI Production MWD Survey										
642.00	1.76	327.84	641.98	2.95	-1.67	3.34	1.89	1.65	-84.89	
732.00	3.69	325.73	731.87	6.51	-4.04	7.60	2.15	2.14	-2.34	
823.00	4.04	326.17	822.66	11.59	-7.47	13.71	0.39	0.38	0.48	
914.00	3.69	321.36	913.46	16.54	-11.09	19.83	0.52	-0.38	-5.29	

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Company:	Petroglyph Operating Co. Inc.	Local Co-ordinate Reference:	Well UT 30-16K
Project:	Duchesne County, UT NAD83	TVD Reference:	GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
Site:	UTE Tribal 30-16K	MD Reference:	GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
Well:	UT 30-16K	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Rockies Compass Server

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,006.00	5.25	321.25	1,005.17	22.14	-15.57	27.00	1.70	1.70	-0.12
1,100.00	6.68	319.66	1,098.66	29.66	-21.80	36.77	1.53	1.52	-1.69
1,195.00	7.65	324.32	1,192.92	39.01	-29.07	48.61	1.19	1.02	4.91
1,291.00	8.97	323.71	1,287.91	50.23	-37.22	62.46	1.38	1.38	-0.64
1,386.00	9.50	323.62	1,381.68	62.51	-46.26	77.69	0.56	0.56	-0.09
1,481.00	10.73	321.68	1,475.20	75.77	-56.39	94.36	1.34	1.29	-2.04
1,576.00	12.13	318.96	1,568.31	90.23	-68.43	113.18	1.58	1.47	-2.86
1,671.00	12.90	314.51	1,661.06	105.20	-82.54	133.70	1.30	0.81	-4.68
1,771.00	11.34	316.50	1,758.83	120.15	-97.27	154.59	1.61	-1.56	1.99
1,866.00	10.38	311.90	1,852.13	132.64	-110.07	172.36	1.36	-1.01	-4.84
1,962.00	11.08	307.97	1,946.45	144.10	-123.78	189.89	1.05	0.73	-4.09
2,057.00	11.26	307.80	2,039.65	155.40	-138.31	207.82	0.19	0.19	-0.18
2,152.00	11.87	309.12	2,132.72	167.25	-153.22	226.41	0.70	0.64	1.39
2,248.00	13.89	319.66	2,226.31	182.26	-168.34	247.60	3.22	2.10	10.98
2,343.00	11.70	312.81	2,318.95	197.50	-182.79	268.54	2.80	-2.31	-7.21
2,439.00	12.84	320.28	2,412.76	212.32	-196.75	288.85	2.03	1.19	7.78
2,535.00	12.60	321.09	2,506.41	228.68	-210.14	309.98	0.31	-0.25	0.84
2,631.00	12.39	323.76	2,600.14	245.13	-222.81	330.74	0.64	-0.22	2.78
2,727.00	12.57	323.00	2,693.87	261.78	-235.18	351.47	0.25	0.19	-0.79
2,821.00	14.25	329.86	2,785.31	279.96	-247.15	373.12	2.46	1.79	7.30
2,914.00	14.22	327.01	2,875.45	299.44	-259.12	395.79	0.75	-0.03	-3.06
3,009.00	15.12	327.40	2,967.35	319.66	-272.14	419.70	0.95	0.95	0.41
3,105.00	12.57	330.30	3,060.56	339.29	-284.07	442.45	2.75	-2.66	3.02
3,201.00	11.70	324.72	3,154.42	356.31	-294.87	462.47	1.52	-0.91	-5.81
3,296.00	14.25	328.01	3,246.98	374.09	-306.63	483.69	2.79	2.68	3.46
3,393.00	14.95	326.61	3,340.85	394.66	-319.84	507.99	0.81	0.72	-1.44
3,489.00	15.30	328.54	3,433.53	415.81	-333.26	532.87	0.64	0.36	2.01
3,584.00	14.95	328.98	3,525.24	437.00	-346.12	557.42	0.39	-0.37	0.46
3,680.00	13.54	325.99	3,618.28	456.93	-358.79	580.88	1.66	-1.47	-3.11
3,776.00	13.19	322.65	3,711.68	474.95	-371.72	603.02	0.88	-0.36	-3.48
3,872.00	11.52	321.16	3,805.46	491.13	-384.37	623.56	1.77	-1.74	-1.55
3,968.00	12.57	322.47	3,899.34	506.88	-396.75	643.59	1.13	1.09	1.36
4,064.00	12.13	320.45	3,993.12	522.94	-409.54	664.12	0.64	-0.46	-2.10
4,160.00	12.57	324.76	4,086.90	539.25	-421.99	684.63	1.06	0.46	4.49
4,256.00	10.38	319.22	4,180.98	554.33	-433.67	703.70	2.55	-2.28	-5.77
4,352.00	10.55	320.28	4,275.38	567.64	-444.93	721.13	0.27	0.18	1.10
4,449.00	10.73	323.53	4,370.72	581.73	-455.97	739.03	0.65	0.19	3.35
4,542.00	10.82	321.33	4,462.08	595.51	-466.57	756.41	0.45	0.10	-2.37
4,638.00	10.11	324.67	4,556.48	609.42	-477.08	773.83	0.97	-0.74	3.48
4,734.00	10.46	324.58	4,650.94	623.40	-487.00	790.93	0.36	0.36	-0.09
4,830.00	10.64	323.71	4,745.31	637.64	-497.30	808.48	0.25	0.19	-0.91
4,926.00	10.92	322.02	4,839.62	651.95	-508.14	825.42	0.41	0.29	-1.76

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Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal 30-16K
Well: UT 30-16K
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well UT 30-16K
TVD Reference: GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
MD Reference: GL 6700' & RKB 19' @ 6719.00ft (Nabors 946 rev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: Rockies Compass Server

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,022.00	10.73	317.64	4,933.91	665.72	-519.75	844.44	0.88	-0.20	-4.56
5,117.00	10.29	318.26	5,027.32	678.59	-531.36	861.74	0.48	-0.46	0.65
5,212.00	10.38	320.98	5,120.78	691.57	-542.40	878.77	0.52	0.09	2.86
5,308.00	10.11	316.41	5,215.25	704.39	-553.65	895.82	0.89	-0.28	-4.76
5,404.00	9.94	314.13	5,309.78	716.26	-565.41	912.45	0.45	-0.18	-2.38
5,502.00	8.62	315.62	5,406.50	727.40	-576.62	928.16	1.37	-1.35	1.52
5,598.00	7.83	315.00	5,501.51	737.17	-586.27	941.83	0.83	-0.82	-0.65
5,694.00	8.35	315.18	5,596.56	746.74	-595.81	955.27	0.54	0.54	0.19
5,790.00	6.69	314.28	5,691.73	755.59	-604.73	967.76	1.73	-1.73	-0.94
5,886.00	6.68	312.19	5,787.07	763.24	-612.87	978.83	0.25	-0.01	-2.18
5,982.00	6.51	307.45	5,882.44	770.30	-621.33	989.64	0.59	-0.18	-4.94
6,078.00	5.28	296.55	5,977.93	775.58	-629.60	998.96	1.73	-1.28	-11.35
6,170.00	4.57	299.36	6,069.59	779.27	-636.58	1,006.23	0.81	-0.77	3.05
6,245.00	3.69	294.88	6,144.40	781.75	-641.37	1,011.17	1.25	-1.17	-5.97
Last SDI MWD Survey									
6,300.00	3.69	294.88	6,199.28	783.24	-644.59	1,014.35	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
119.00	119.00	0.36	0.01	First SDI Gyro Survey
409.00	408.99	1.74	-0.67	Last SDI Gyro Survey
551.00	550.99	1.62	-1.08	First SDI Production MWD Survey
6,245.00	6,144.40	781.75	-641.37	Last SDI MWD Survey
6,300.00	6,199.28	783.24	-644.59	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

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Job Number: SVGJ-110944
Company: Petroglyph
Lease/Well: UTE Tribal 30-16K
Location: Duchesne County, Utah
Rig Name: Casedhole Solutions
RKB: 0'
G.L. or M.S.L.: GL

State/Country: Utah / USA
Declination: 11.34°
Grid: East To True
File name: F:\SURVEY\2011SU~1\PETROG~1\UTETR16K.SVY
Date/Time: 14-Oct-11 / 11:39
Curve Name: Surface - 390' M.D. (Rate Gyro)

43-013-50811

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

We hereby certify that our survey data from
Surface MD to 390' MD is, to the best of
our knowledge a true and accurate account of the
well bore.

Dana Jutte 10/18/11
MS Energy Services Date

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.35	1.02	100.00	.31	.01	.31	.31	1.02	.35
200.00	.35	10.23	200.00	.91	.07	.91	.91	4.09	.06
300.00	.48	330.12	300.00	1.58	-.09	1.58	1.58	356.75	.31
Last Survey Depth Recorded									
390.00	.58	241.06	389.99	1.68	-.68	1.68	1.81	338.11	.83

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