

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 21-14NN				
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-H62-3516			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		673 FSL 2094 FWL		SESW	21	5.0 S	3.0 W	U		
Top of Uppermost Producing Zone		10 FSL 1390 FWL		SESW	21	5.0 S	3.0 W	U		
At Total Depth		10 FSL 1390 FWL		SESW	21	5.0 S	3.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 673			23. NUMBER OF ACRES IN DRILLING UNIT 533				
27. ELEVATION - GROUND LEVEL 6353			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1914			26. PROPOSED DEPTH MD: 6190 TVD: 6190				
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	15.8	Class G	220	1.17	15.8
Prod	8.75	5.5	0 - 6190	15.5	J-55 LT&C	10.0	Class G	516	1.91	12.5
							Class G	342	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 06/16/2011			EMAIL edtrotter@easilink.com			
API NUMBER ASSIGNED 43013508460000				APPROVAL  Permit Manager						

CONFIDENTIAL
EIGHT POINT PLAN

UTE TRIBAL 21-14NN
SE/SW, SEC. 21, T5S, R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Trona	2747	3637
Mahogany Shale	2896	3491
“B” Marker	3996	2410
“X” Marker	4473	1941
Douglas Creek	4618	1798
“B” Limestone	4996	1427
B/Castle Peak Limestone	5561	871
BSCARB	5988	452
Total Depth	6190	
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	4618	1798
Oil/Gas	B/Castle Peak	5561	871

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	6190’	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 21-14NN
SE/SW, SEC. 21, 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 - 6190'

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' - 6190': 338 sx (493 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 21-14NN
SE/SW, SEC. 21, 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.

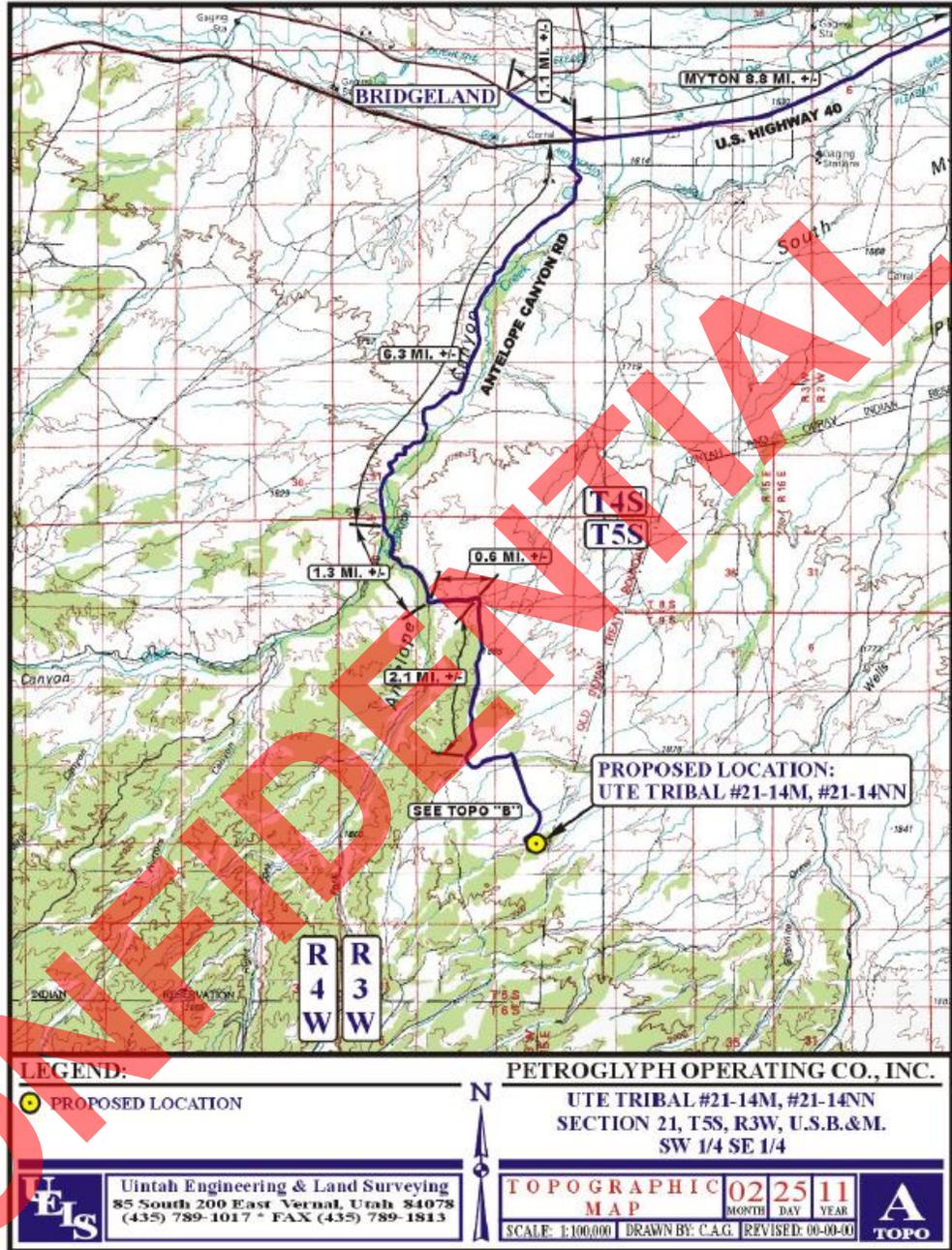
10. STANDARD REQUIRED EQUIPMENT:

None Required

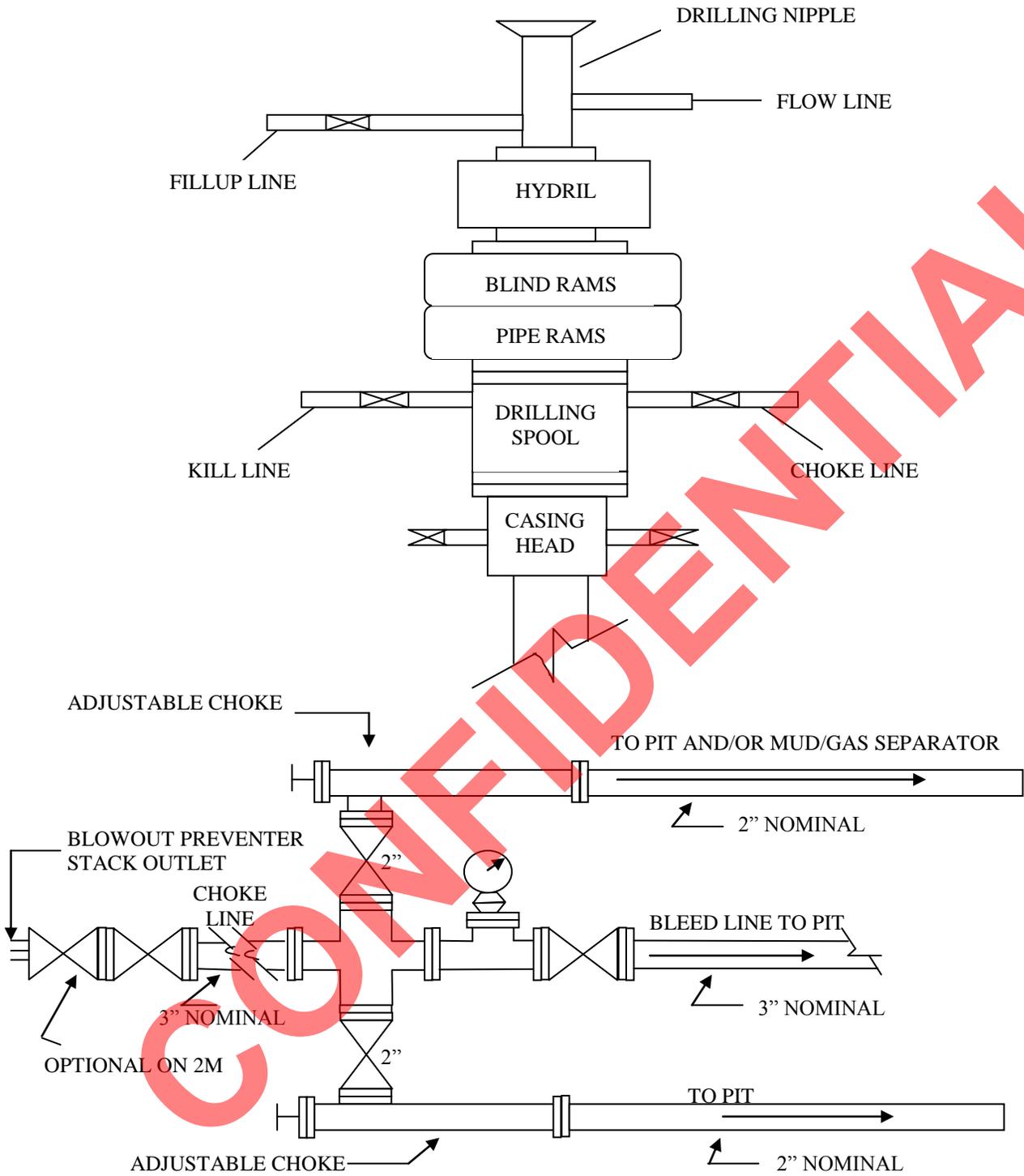
11. HAZARDOUS CHEMICALS:

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)



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 21-14NN: 673' FSL & 2094' FWL, SE/SW (Surface)
10' FSL & 1390' FWL, SE/SW (Bottom Hole)
Sec. 21, 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 21-14NN 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

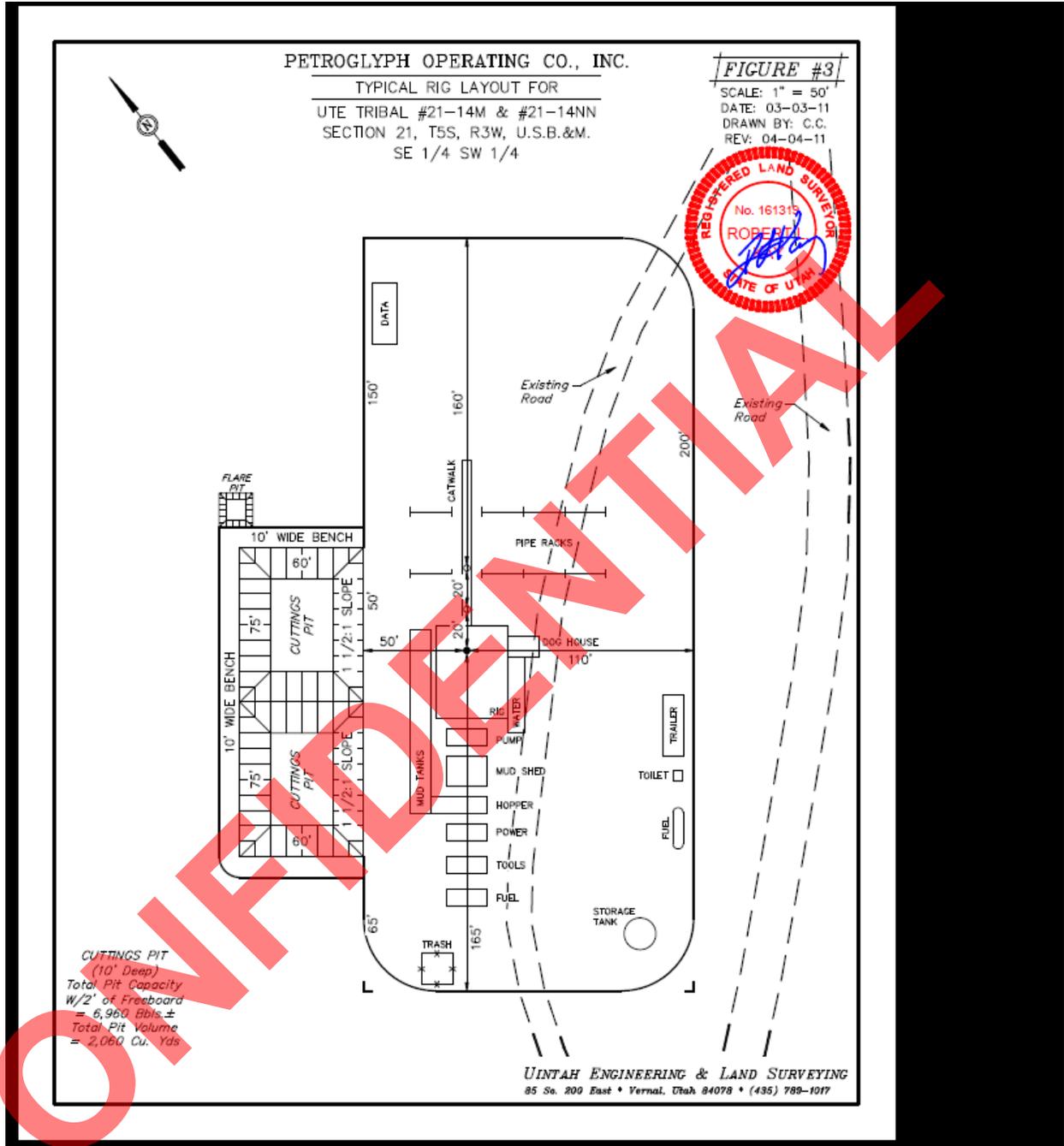
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with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

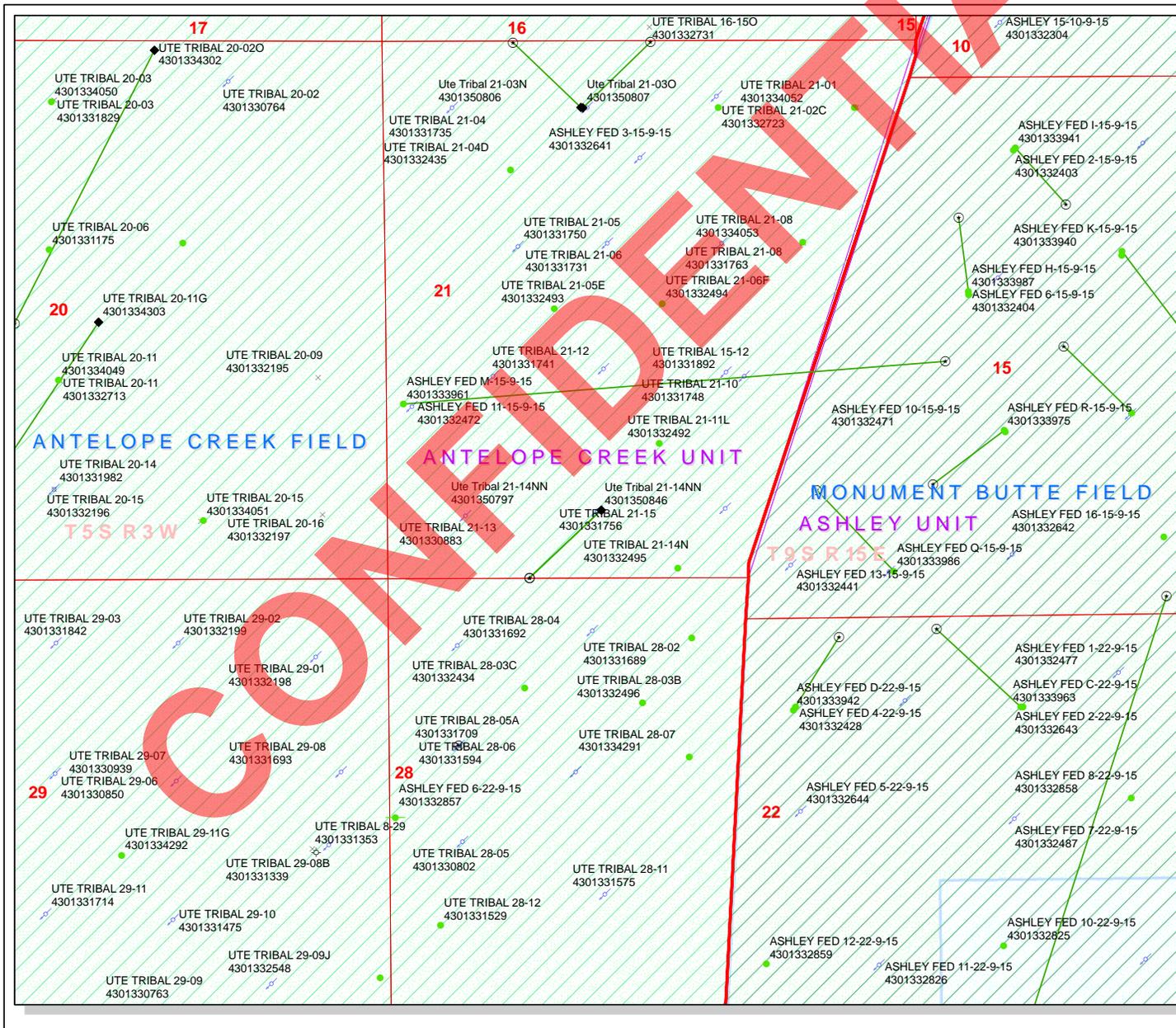
Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 21-14NN Well, located in the SE/SW of Section 21, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3516;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #BO 4556.

Date

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

CONFIDENTIAL

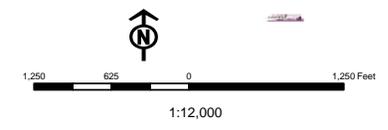




API Number: 4301350846
Well Name: Ute Tribal 21-14NN
Township T0.5 . Range R0.3 . Section 21
Meridian: UBM
Operator: PETROGLYPH OPERATING CO

Map Prepared:
 Map Produced by Diana Mason

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



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/16/2011

API NO. ASSIGNED: 43013508460000

WELL NAME: Ute Tribal 21-14NN

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: SESW 21 050S 030W

Permit Tech Review:

SURFACE: 0673 FSL 2094 FWL

Engineering Review:

BOTTOM: 0010 FSL 1390 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.02662

LONGITUDE: 110.22927

UTM SURF EASTINGS: 565766.00

NORTHINGS: 4430786.00

FIELD NAME: ANTELOPE CREEK

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3516

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
IRR SEC:

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 21-14NN
API Well Number: 43013508460000
Lease Number: 14-20-H62-3516
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

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-3516

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 21-14NN

9. API NUMBER:
4301350797 50846

10. FIELD AND POOL, OR WILDCAT:
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: PHONE NUMBER:
P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066 (435) 722-2531

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **673' FSL, 2094' FWL** COUNTY: **Duchesne**
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SESW 21 5S 3W** 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
OCT 18 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) Rodrigo Jurado TITLE Regulatory Compliance Specialist
SIGNATURE  DATE 10/18/2011

(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-H62-3516			
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 21-14NN				
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013508460000				
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: 0673 FSL 2094 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 11/15/2011 <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 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 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 type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. We spud this well on 11/15/2011 at 8:00 A.M. We set 40' of 14" conductor.					
<p style="margin: 0;">Accepted by the</p> <p style="margin: 0;">Utah Division of</p> <p style="margin: 0;">Oil, Gas and Mining</p> <p style="margin: 0;">FOR RECORD ONLY</p>					
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc			
SIGNATURE N/A	DATE 11/18/2011				

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

FORM 6

ENTITY ACTION FORM

Operator: Petroglyph Operating 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
4301350863	Ute Tribal 21-14M		SESW	21	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	12050	11/15/2011			11/30/11	
Comments: Please add to existing 21-14TB. CSLPK = GRRV BHL = SESW CONFIDENTIAL							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350846	Ute Tribal 21-14NN		SESW	21	5W	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	12050	11/15/2011			11/30/11	
Comments: Please add to existing 21-14TB. CSLPK = GRRV BHL = SESW 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

11/18/2011

Title

Date

RECEIVED

NOV 21 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3516
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 21-14NN
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013508460000
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: 0673 FSL 2094 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 1/13/2012 <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.

On 01/13/2012 Petroglyph Operating would like to perforate and frac the following depths and intervals: 4,237'-4,240', 4,245'-4,252', 4,719.5'-4726.5', 4,867'-4,884', 5,590'-5,597', 5,650'-5,654', 5,756'-5,759' and 5,796'-5,820'. We will frac using Delta 140 gelled fluid containing 20/40 mesh sand. All perforations will be made with Titan 3 1/8" perf guns containing 22.7 gram charges, 0.42" EHD w/ 23.54"TTP @ 4 SPF @ 120* phased.

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

Date: January 11, 2012
By: *Derek Quist*

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 1/10/2012	

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-H62-3516
		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 21-14Z
3. ADDRESS OF OPERATOR: 960 Broadway Ave, Ste 500, Bosie, ID, 83703		9. API NUMBER: 43013508460000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0673 FSL 2094 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 2/13/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input 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 be advised that Petroglyph Operating intends to change the name of the above referenced well. The Ute Tribal 21-14NN will now be the Ute Tribal 21-14Z.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
January 31, 2012**

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 1/31/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3516
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: UTE TRIBAL 21-14Z
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		9. API NUMBER: 43013508460000
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: 0673 FSL 2094 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 1/27/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input 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 01/27/2012.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 31, 2012		
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A		DATE 1/31/2012

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-H62-3516
		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 21-14Z
3. ADDRESS OF OPERATOR: 960 Broadway Ave, Ste 500, Bosie, ID, 83703		9. API NUMBER: 43013508460000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0673 FSL 2094 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 21 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: 1/31/2012	<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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="perforate"/>

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

Please see attached form. Not enough room on this form for the necessary information.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 06, 2012**

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 3/2/2012	

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-H62-3516
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 21-14Z
3. ADDRESS OF OPERATOR: P.O. Box 607		Roosevelt	9. API NUMBER: 4301350846
		UT	10. FIELD AND POOL, OR WILDCAT: Antelope Creek
		84066	
		PHONE NUMBER: (435) 722-2531	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 673' FSL, 2094' FWL			COUNTY: Duchesne
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 21 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: 1/31/2012	<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>Perforate</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.

On 1/12/2012 Petroglyph ran GR/CBL from 6135' to 50' Bond Log, @ 50 ft still in good cement. ETOC @ Surf. Petroglyph Operating perforated and fraced Green River zones as follows: 5756-5759 & 5796-5820'. Faced w/ 643 bbls Delta frac 140 15# gelled fluid containing 61,000#'s 20/40 mesh sand. Perfs: 5590-5597 & 5650-5654'. Fraced w/ 420 bbls Delta frac 140 15# gelled fluid containing 30,600#'s 20/40 mesh sand. Perfs: 4867-4884' Fraced w/ 505 bbls Delta frac 140 15# gelled fluid containing 41,000#'s 20/40 mesh sand. Perforate 4719-4726. Fraced w/ 272 bbls Delta frac 140 gelled fluid containing 20,000#'s 20/40 mesh sand. Perforate 4237-4240 & 4245-4252'. Fraced w/ 297 Bbls Delta frac 140 gelled fluid containing 7,400#'s 20/40 mesh sand.

Isolation 8K composite plug set @ 5700', 4950', 4800', 4350', and kill plug set @ 4150'.

Perf guns: 3 1/8" Titan perf guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 spf @ 120* phased.

All plugs were drilled out and well was cleaned out to PBSD @ 6180'. Prod tbg and rod pump was run. Placed on production 1/31/2012.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Spc</u>
SIGNATURE	DATE <u>3/2/2012</u>

(This space for State use only)

CONFIDENTIAL

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

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) 722-5302

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 673' FSL, 2094' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 106' FSL, 1499' FWL
AT TOTAL DEPTH: 6' FNL, 1385' FWL NENW Sec 28, T5S, R3W
BHL by HSM

5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3516

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

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

8. WELL NAME and NUMBER: Ute Tribal 21-14Z

9. API NUMBER: 4301350846

10. FIELD AND POOL, OR WILDCAT: Antelope Creek

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 21 5S 3W

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDED: 11/15/2011

15. DATE T.D. REACHED: 12/11/2011

16. DATE COMPLETED: 1/31/2012 ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): 6370 RKB

18. TOTAL DEPTH: MD 6,245 TVD 6,126

19. PLUG BACK T.D.: MD 6,180 TVD 6,061

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, Borehole Volume Plot, CBL, Spectral Density Dual Spaced Neutron

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	57				0	Conductor
12.25"	8.625" J-55	24	0	526		G 380	78	0	
7.875"	5.5" J-55	15.5	0	6,240		G 850	263	0 CBL	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,887							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	4,237	5,820	4,128	5,701
(B)				
(C)				
(D)				

27. PERFORATION RECORD 5590

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
4,237 4,240	0.42	12	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,245 4,252	0.42	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,719 4,726	0.42	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,867 4,884	0.42	68	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4237-4252	7,400# Sand Frac (20/40 mesh sand). 297 Bbls Delta frac 140 15# gelled fluid
4719-4726	20,000# Sand Frac (20/40 mesh sand). 272 Bbls Delta frac 140 15# gelled fluid
4867-4884	41,000# Sand Frac (20/40 mesh sand). 505 Bbls Delta frac 140 15# gelled fluid

29. ENCLOSED ATTACHMENTS:

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

30. WELL STATUS:

POW

RECEIVED

MAR 08 2012

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 1/27/2012		TEST DATE: 2/29/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 60	GAS – MCF: 7	WATER – BBL: 70	PROD. METHOD: Rod Pump
CHOKE SIZE: 32	TBG. PRESS. 0	CSG. PRESS. 375	API GRAVITY 39.37	BTU – GAS 1	GAS/OIL RATIO 117	24 HR PRODUCTION RATES: →	OIL – BBL: 60	GAS – MCF: 7	WATER – BBL: 70	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.

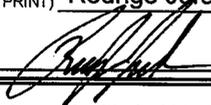
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Trona	2,788
				Mahogany	2,936
				Garden Gulch	3,650
				B Marker	4,050
				X Marker	4,538
				Y Marker	4,574
				Douglas Creek	4,685
				B Lime	5,060
				Castle Peak	5,612
				Basal Carbonate	6,136

35. ADDITIONAL REMARKS (Include plugging procedure)

Please see attached form for additional perforations and fracture treatments

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 3/5/2012

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 Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

PETROGLYPH



COMPLETION REPORT ADDITIONAL INFORMATION

Ute Tribal 21-14Z, API # 43-013-50846

673' FSL, 2094' FWL

SESW Sec. 21, T5S, R3W

Duchesne County, Utah

ITEM 27, Additional perforations			
Interval	Size	No. Holes	Status
5590-5597	0.42"	28	Open
5650-5654	0.42"	16	Open
5756-5759	0.42"	12	Open
5796-5820	0.42"	96	Open

ITEM 28, Additional Fracturing	
Depth Interval	Amount and Type of Material
5590-5654	30,600# Sand Frac (20/40 mesh sand). 420 Bbls Delta 140 15# gelled fluid.
5756-5820	61,000# Sand Frac (20/40 mesh sand). 643 Bbls Delta 140 15# gelled fluid.

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 21-14NN Z</u>
County & State	<u>Duchesne County, UT</u>
SDI Job No.	<u>42DEF11121483</u>
Rig	<u>Nabors 946</u>
Survey Date	<u>5-Dec-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 0 feet to a measured depth of 6245 feet is true and correct as determined from all available records.

Julie Cruse
Signature

27-Dec-2011
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District

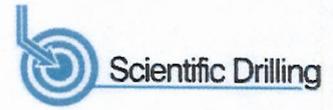
RECEIVED

MAR 08 2012

OIL, GAS & MINING

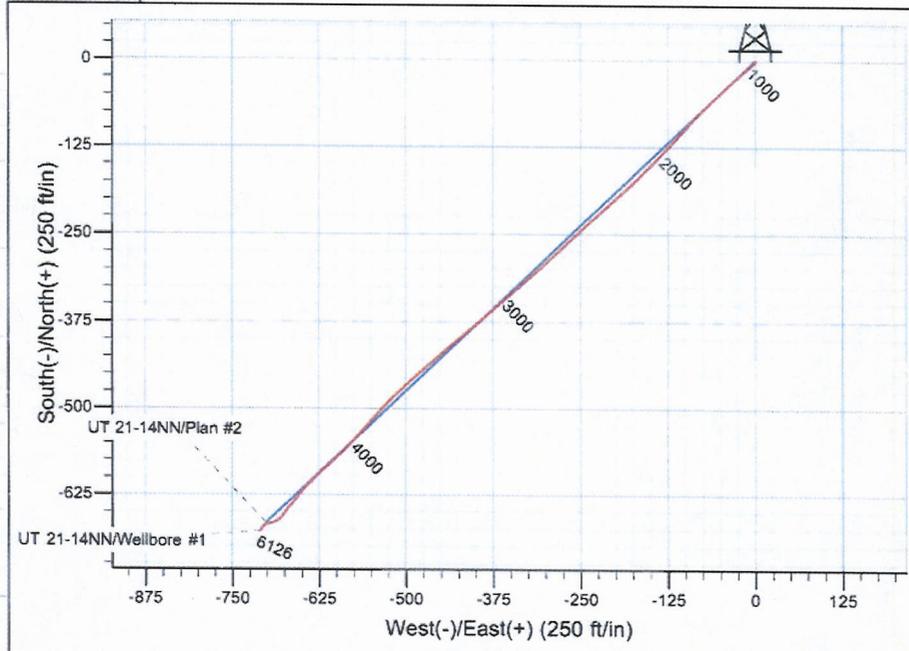
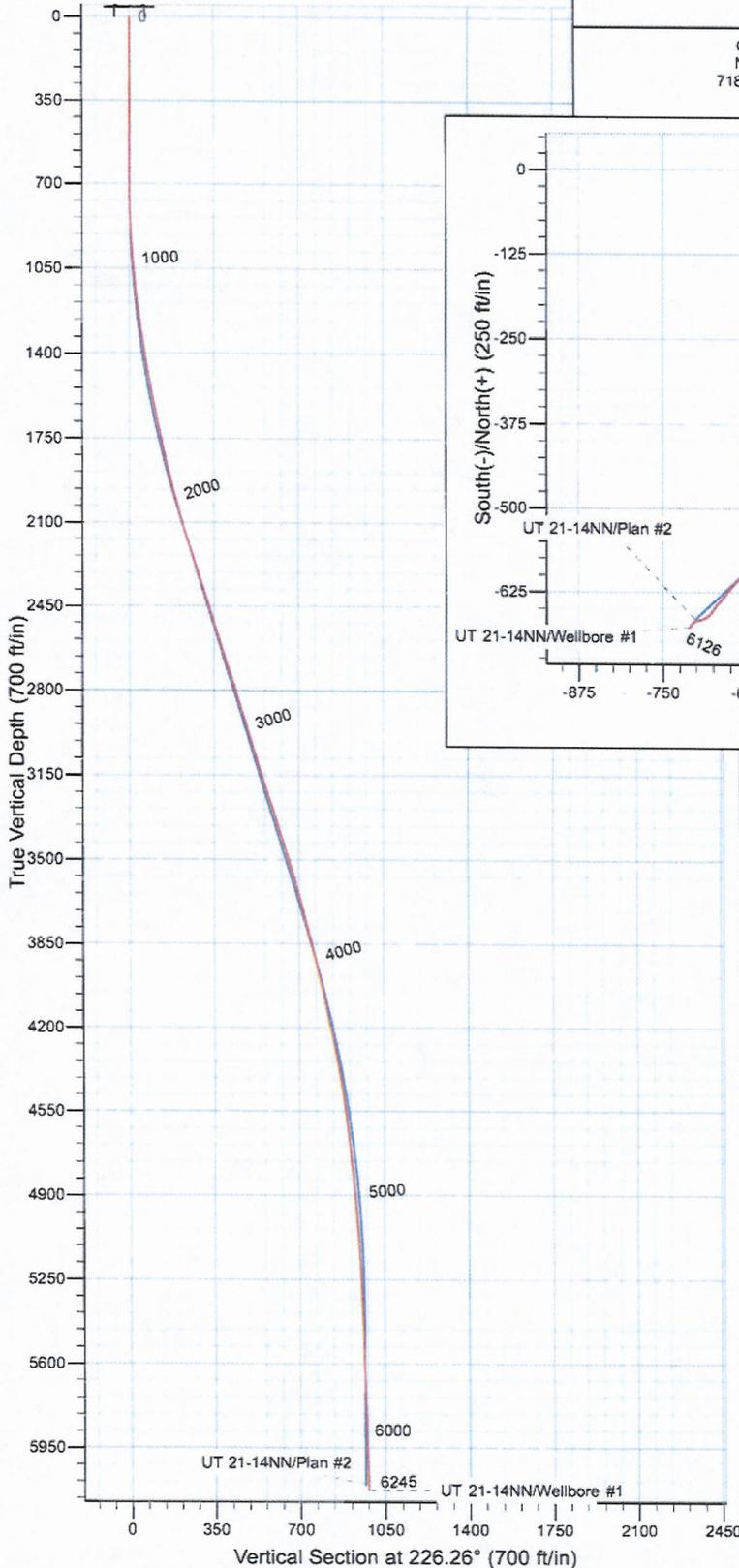


Project: Duchesne County, UT NAD83
 Site: UTE Tribal 21-14M & NN Pad
 Well: UT 21-14NN
 Wellbore: Wellbore #1
 Design: Wellbore #1



WELL DETAILS: UT 21-14NN

Ground Level: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
 Northing 7180935.63 Easting 1996049.78 Latitude 40° 1' 35.740 N Longitude 110° 13' 47.870 W



REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well UT 21-14NN, True North
 Vertical (TVD) Reference: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
 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 21-14NN/Wellbore #1)

Created By: Julie Cruse Date: 2011-12-27



Petroglyph Operating Co. Inc.

Duchesne County, UT NAD83

UTE Tribal 21-14M & NN Pad

UT 21-14NN

Wellbore #1

Design: Wellbore #1

Standard Survey Report

27 December, 2011



Company:	Petroglyph Operating Co. Inc.	Local Co-ordinate Reference:	Well UT 21-14NN
Project:	Duchesne County, UT NAD83	TVD Reference:	GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
Site:	UTE Tribal 21-14M & NN Pad	MD Reference:	GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
Well:	UT 21-14NN	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 21-14M & NN Pad

Site Position:		Northing:	7,180,951.01 usft	Latitude:	40° 1' 35.890 N
From:	Lat/Long	Easting:	1,996,062.79 usft	Longitude:	110° 13' 47.700 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.81 °

Well UT 21-14NN, 673 FSL & 2094 FWL

Well Position	+N-S	0.00 ft	Northing:	7,180,935.63 usft	Latitude:	40° 1' 35.740 N
	+E-W	0.00 ft	Easting:	1,996,049.78 usft	Longitude:	110° 13' 47.870 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,353.00 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/04/07	11.40	65.75	52,248

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	226.26

Survey Program Date 2011/12/27

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
554.00	6,245.00	Survey #1 (Wellbore #1)	MWD-SDI	

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
554.00	0.27	91.85	554.00	-0.04	1.30	-0.91	0.05	0.05	0.00	
First SDI MWD Survey										
645.00	0.09	127.07	645.00	-0.09	1.58	-1.07	0.22	-0.20	38.70	
736.00	0.98	207.38	735.99	-0.83	1.28	-0.35	1.06	0.98	88.25	
828.00	2.02	220.15	827.96	-2.76	-0.13	2.01	1.18	1.13	13.88	
918.00	3.52	226.56	917.85	-5.88	-3.16	6.35	1.70	1.67	7.12	
1,009.00	4.63	232.67	1,008.62	-10.02	-8.11	12.79	1.31	1.22	6.71	
1,105.00	6.33	230.08	1,104.18	-15.77	-15.25	21.92	1.79	1.77	-2.70	
1,201.00	7.39	228.50	1,199.49	-23.26	-23.93	33.37	1.12	1.10	-1.65	
1,296.00	8.09	227.88	1,293.63	-31.79	-33.47	46.16	0.74	0.74	-0.65	



Scientific Drilling
Survey Report



Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal 21-14M & NN Pad
Well: UT 21-14NN
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well UT 21-14NN
TVD Reference: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
MD Reference: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,392.00	8.97	226.91	1,388.56	-41.43	-43.94	60.40	0.93	0.92	-1.01
1,488.00	10.82	224.72	1,483.13	-52.95	-55.75	76.89	1.97	1.93	-2.28
1,584.00	11.52	226.47	1,577.31	-65.95	-69.04	95.48	0.81	0.73	1.82
1,679.00	11.96	223.13	1,670.33	-79.67	-82.65	114.80	0.85	0.46	-3.52
1,775.00	12.22	222.61	1,764.20	-94.41	-96.33	134.87	0.29	0.27	-0.54
1,871.00	12.75	221.64	1,857.93	-109.80	-110.24	155.57	0.59	0.55	-1.01
1,967.00	14.86	222.69	1,951.15	-126.77	-125.63	178.41	2.21	2.20	1.09
2,062.00	15.48	224.19	2,042.84	-144.82	-142.73	203.24	0.77	0.65	1.58
2,158.00	16.53	225.33	2,135.11	-163.60	-161.37	229.70	1.14	1.09	1.19
2,253.00	18.00	227.76	2,225.83	-182.97	-181.85	257.89	1.72	1.55	2.56
2,349.00	17.85	227.09	2,317.17	-202.96	-203.61	287.43	0.27	-0.16	-0.70
2,445.00	17.76	228.06	2,408.58	-222.76	-225.28	316.78	0.32	-0.09	1.01
2,540.00	16.88	226.91	2,499.27	-241.87	-246.13	345.05	0.99	-0.93	-1.21
2,635.00	17.32	227.53	2,590.07	-260.84	-266.63	372.98	0.50	0.46	0.65
2,731.00	17.57	227.17	2,681.65	-280.34	-287.80	401.75	0.28	0.26	-0.38
2,827.00	17.67	228.06	2,773.15	-299.93	-309.26	430.80	0.30	0.10	0.93
2,922.00	16.80	229.29	2,863.88	-318.52	-330.39	458.92	0.99	-0.92	1.29
3,015.00	17.64	227.94	2,952.71	-336.73	-351.04	486.43	1.00	0.90	-1.45
3,112.00	16.88	228.85	3,045.34	-355.84	-372.56	515.19	0.83	-0.78	0.94
3,208.00	17.67	229.20	3,137.01	-374.53	-394.08	543.67	0.83	0.82	0.36
3,304.00	17.50	230.08	3,228.53	-393.31	-416.18	572.62	0.33	-0.18	0.92
3,400.00	17.85	229.11	3,319.99	-412.21	-438.38	601.71	0.48	0.36	-1.01
3,496.00	17.41	229.55	3,411.49	-431.16	-460.43	630.75	0.48	-0.46	0.46
3,590.00	16.97	227.70	3,501.29	-449.51	-481.28	658.50	0.75	-0.47	-1.97
3,686.00	16.00	228.14	3,593.34	-467.77	-501.49	685.73	1.02	-1.01	0.46
3,782.00	14.77	225.16	3,685.90	-485.23	-520.02	711.19	1.52	-1.28	-3.10
3,878.00	14.16	221.20	3,778.86	-502.69	-536.44	735.12	1.21	-0.64	-4.13
3,973.00	13.76	221.60	3,871.05	-519.89	-551.59	757.96	0.43	-0.42	0.42
4,069.00	13.19	221.11	3,964.41	-536.68	-566.37	780.25	0.61	-0.59	-0.51
4,165.00	12.40	221.99	4,058.02	-552.59	-580.47	801.43	0.85	-0.82	0.92
4,261.00	12.13	226.83	4,151.84	-567.15	-594.72	821.80	1.11	-0.28	5.04
4,357.00	11.17	227.88	4,245.86	-580.29	-608.98	841.18	1.02	-1.00	1.09
4,453.00	10.44	226.61	4,340.15	-592.50	-622.19	859.17	0.80	-0.76	-1.32
4,548.00	9.06	223.13	4,433.78	-603.87	-633.56	875.25	1.58	-1.45	-3.66
4,643.00	8.18	225.60	4,527.71	-614.06	-643.51	889.48	1.00	-0.93	2.60
4,739.00	6.95	218.12	4,622.87	-623.41	-651.97	902.06	1.64	-1.28	-7.79
4,834.00	6.10	215.77	4,717.26	-632.03	-658.47	912.71	0.94	-0.89	-2.47
4,930.00	5.64	220.55	4,812.75	-639.75	-664.52	922.42	0.70	-0.48	4.98
5,026.00	5.01	219.44	4,908.34	-646.57	-670.25	931.28	0.66	-0.66	-1.16
5,121.00	4.22	210.21	5,003.03	-652.80	-674.64	938.75	1.14	-0.83	-9.72
5,218.00	3.23	222.06	5,099.83	-657.91	-678.27	944.91	1.29	-1.02	12.22
5,313.00	3.25	235.35	5,194.68	-661.43	-682.28	950.24	0.79	0.02	13.99
5,409.00	3.25	241.50	5,290.52	-664.27	-686.91	955.55	0.36	0.00	6.41



Scientific Drilling

Survey Report



Company: Petroglyph Operating Co. Inc.
Project: Duchesne County, UT NAD83
Site: UTE Tribal 21-14M & NN Pad
Well: UT 21-14NN
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well UT 21-14NN
TVD Reference: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
MD Reference: GL 6353' & RKB 18' @ 6371.00ft (Nabors 946)
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 (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,505.00	2.57	242.99	5,386.40	-866.55	-681.22	960.24	0.71	-0.71	1.55
5,601.00	2.11	270.32	5,482.32	-667.52	-694.90	963.57	1.24	-0.48	28.47
5,696.00	1.74	255.53	5,577.27	-667.87	-698.05	966.08	0.65	-0.39	-15.57
5,792.00	1.55	247.75	5,673.23	-668.72	-700.66	968.56	0.31	-0.20	-8.10
5,888.00	1.67	237.28	5,769.19	-669.97	-703.04	971.14	0.33	0.13	-10.91
5,984.00	1.67	224.10	5,865.15	-671.73	-705.19	973.91	0.40	0.00	-13.73
6,080.00	1.58	209.69	5,961.11	-673.89	-706.82	976.58	0.43	-0.09	-15.01
6,176.00	1.85	204.24	6,057.07	-676.45	-708.11	979.29	0.33	0.28	-5.68
6,190.00	1.85	201.60	6,071.06	-676.87	-708.29	979.70	0.61	0.00	-18.86
Last SDI MWD Survey									
6,245.00	1.85	201.60	6,126.03	-678.52	-708.94	981.31	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)	
554.00	554.00	-0.04	1.30	First SDI MWD Survey
6,190.00	6,071.06	-676.87	-708.29	Last SDI MWD Survey
6,245.00	6,126.03	-678.52	-708.94	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------