

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease Designation and Serial Number:
FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Farm or Lease Name:

9. Well Number:
28-02D4X

10. Field and Pool, or Wildcat:
Duchesne

11. Ctr/Ctr, Section, Township, Range, Meridian:
Sec. 28-T4S-R4W

12. County:
Duchesne

13. State:
UTAH

17. Number of acres assigned to this well:
80

20. Rotary or cable tools:
Rotary

22. Approximate date work will start:
June 1998

1A. Type of Work: **DRILL** **DEEPEN**

B. Type of Well: **OIL** **GAS** **OTHER:** **SINGLE ZONE** **MULTIPLE ZONE**

2. Name of Operator:
Petroglyph Operating Company, Inc.

3. Address and Telephone Number:
P.O. Box 607; Roosevelt, UT: 84066 (435) 722-2531

4. Location of Well (Footages)
At Surface: **625' FNL 2157' FEL NWNE**

At Proposed Producing Zone: **660'**

CONFIDENTIAL

RIG SKID

14. Distance in miles and direction from nearest town or post office:
9.2 Miles Southeast of Duchesne, Utah

15. Distance to nearest property or lease line (feet):

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):

21. Elevations (show whether DF, RT, GR, etc.):
5950' Graded Ground

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	32.3	500	135 sxs Class 6, 2% CaCl2, .25#/sk cellophane flake
12-1/4"	8-5/8"	24.0	3000	Thixotropic & Highfill to surface cement @ 2400' or 200' above
7-7/8"	5-1/2"	15.5	6488	Trona if no water or to surface if water flow in Trona

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

Mud Program: low solid lightly dispersed, not to exceed 12 lbs.

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #B6692.

Correction 7-2-98. JPC

RECEIVED
JUN 26 1998
DIV OF OIL, GAS & MINING

*2771.0
045797011*

24. Name & Signature: *Joanna Bell* Title: Operations Coordinator Date: 6-25-98

API Number Assigned: 43-013-32091

Approval:

T4S, R4W, U.S.B.&M.

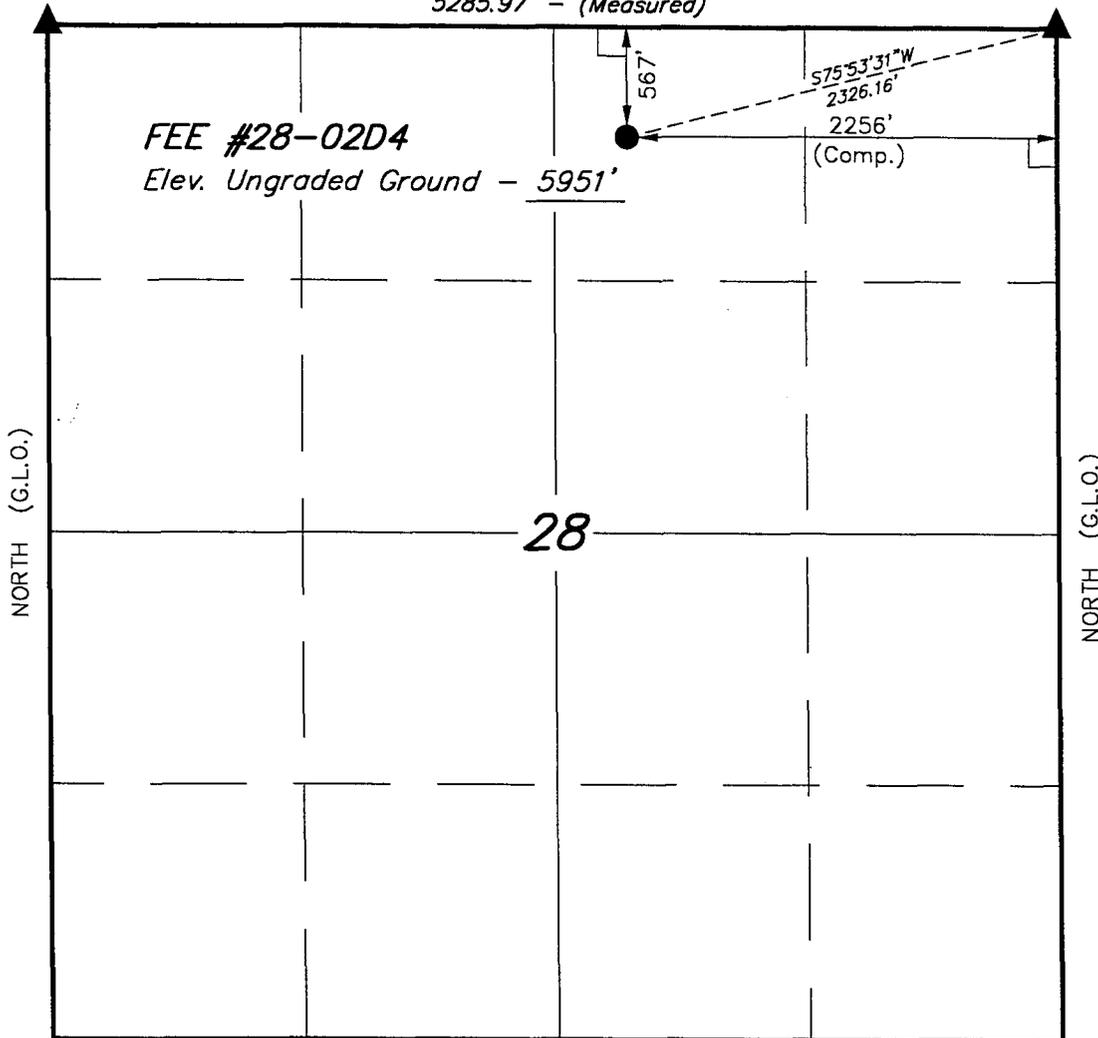
PETROGLYPH OPERATING CO., INC.

Well Location, FEE #28-02D4, located as shown in the NW 1/4 NE 1/4 of Section 28, T4S, R4W, U.S.B.&M. Duchesne County, Utah.

1/2" Rebar, Small
Pile of Stones

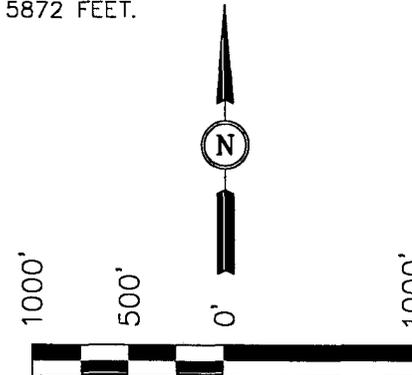
WEST - G.L.O. (Basis of Bearings)
5285.97' - (Measured)

5/8" Rebar,
Marked Stone,
Pile of Stones



BASIS OF ELEVATION

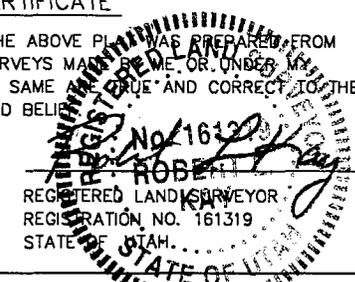
BENCH MARK M62 (1934) LOCATED NEAR A ROAD INTERSECTION IN THE SE 1/4 OF SECTION 17, T4S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE NE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5872 FEET.



SCALE

CERTIFICATE

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



Revised: 6-30-98 C.B.T.
Revised: 5-29-98 C.B.T.

LEGEND:

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

WEST - 80.36 (G.L.O.)

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

SCALE 1" = 1000'	DATE SURVEYED: 4-30-98	DATE DRAWN: 5-5-98
PARTY G.S. J.K. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

FEE #28-02-D4
NW/NE, SEC. 28, T4S R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2868	3090
"B" Marker	4098	1860
"X" Marker	4613	1345
Douglas Creek	4758	1200
"B" Limestone	5193	765
B/Castle Peak Limestone	5778	180
Basal Carbonate Limestone	6138	-180
Wasatch	6400	
Total Depth	7500	

Anticipated BHP 2000 psi

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	4758	1200
Oil/Gas	B/Castle Peak	5778	180
Gas	Wasatch	6400	
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 3000'	3000'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 7500'	7500'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

FEE #28-02-D4
NW/NE, SEC. 28, T4S R4W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 250'	Air
250' - 4000'	Air/Mist & Aerated Water
4000' - TD	Air/3% KCL water or KCL substitute
TD	Gel/polyacrylamide polymer w/5-10% LCM

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

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed

DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

FEE #28-02-D4
NW/NE, SEC. 28, T4S R4W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. 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.

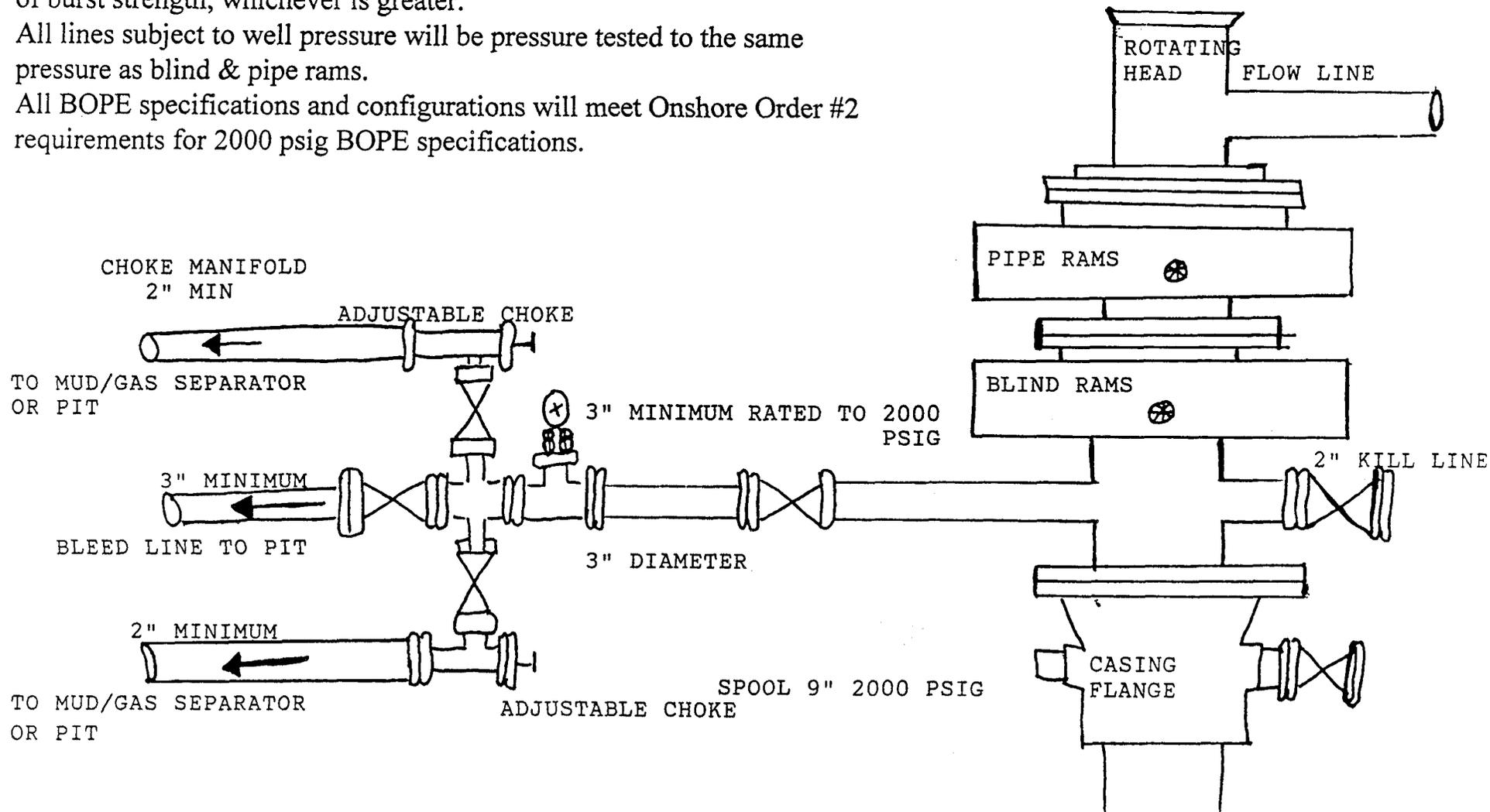
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.
 CASING FLANGE IS 9" 2000 PSIG RATED.
 BOPE 9" 2000 PSIG

TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company
Well Name & Number: FEE #28-02D4
Lease Number: FEE
Location: 567' FNL & 2256' FEL, NW/NE, Sec. 28, T4S, R4W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Lamont Moon

NOTIFICATION REQUIREMENTS

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 9.2 miles southeast of Duchesne, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 200 feet in length.
See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. A cattleguard and gate will be installed on the access road.

New or reconstructed roads will be centerlined - flagged at time of location staking.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Company shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
 - B. Abandoned wells - None
 - C. Temporarily abandoned wells - None.
 - D. Disposal wells - None.
 - E. Drilling wells - None.
 - F. Producing wells - None
 - G. Shut in wells - None
 - H. Injection wells - None
- (*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. ON WELL PAD
 - 1. Tank batteries - None
 - 2. Production facilities - None
 - 3. Oil gathering lines - None
 - 4. Gas gathering lines- None
 - 5. Injection lines - None

- 6. Disposal lines - None
- 7. Surface pits - None

B. OFF WELL PAD

Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery.

The production facilities will be placed on the Northeast side of the location.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Private Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Roosevelt sewage disposal plant.

3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.
 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On Privately owned surface :

The reserve pit will be constructed so as not to leak, break, or allow discharge.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with Onshore Order No.7, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the Southeast side of the location.

The flare pit will be located downwind of the prevailing wind direction on the Southeast side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the Southwest end.

Access to the well pad will be from the North.

N/A Diversion ditch(es) shall be constructed on the _____ side of the location (above/below) the cut slope, draining to the _____

N/A Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons _____

N/A Corner No. will be rounded off to minimize excavation.

FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe

or some type of reinforcement rod is attached to the top of the entire fence).

- B. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- C. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM or SMA specifications.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment.

11. SURFACE OWNERSHIP

Access road: Private

Location: Private

12. Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between _____ and _____ because of _____

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately _____ ft. _____ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter
P.O. Box 1910
Vernal UT 84078
Telephone # (801)789-4120
Fax # (801) 789-1420

OPERATIONS

Vince Guinn
P.O. Box 607
Roosevelt, UT 84066
(801) 722-2531
Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Company is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

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 which 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 Company and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

7-2-1998

Date

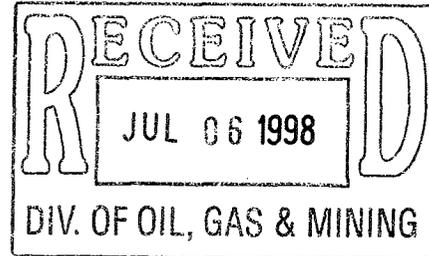


Ed Trotter-Agent-
Petroglyph Operating Company

Petroglyph Operating Co., Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

July 2, 1998

Utah Division of Oil, Gas, & Mining
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801



RE: APPLICATION FOR PERMIT TO DRILL
FEE #28-02D4
NW/NE, SEC. 28, T4S, R4W
DUCHESNE COUNTY, UTAH
LEASE NO. FEE
SURFACE OWNER: Lamont Moon

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

This well was previously permitted as a Green River test at a depth of 6488'. However due to drilling difficulties encountered with that hole it has been plugged back and is being permitted as a water well. Petroglyph proposes to skid the drilling rig 100' to the North and drill a new hole and take it to the Wasatch under this Permit.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone # (801) 789-4120
Fax # (801) 789-1420

Sincerely,

A handwritten signature in cursive script, appearing to read "Ed Trotter".

Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 PETROGLYPH OPERATING CO., INC. **RIG SKID**

3. ADDRESS AND TELEPHONE NO.
 P.O. BOX 607, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 567' FNL & 2256' FEL NW/NE **CONFIDENTIAL**
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 9.2 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 567'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 7500'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5950' GRADED GROUND

22. APPROX. DATE WORK WILL START*
 JULY 1998

5. LEASE DESIGNATION AND SERIAL NO.
 FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
 UTE TRIBAL

9. API WELL NO.
 #28-02D4X

10. FIELD AND POOL, OR WILDCAT
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 28, T4S, R4W

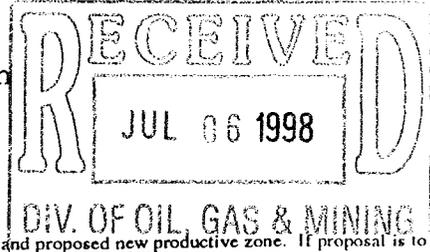
12. COUNTY OR PARISH DUCHESNE 13. STATE UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	3000'	600 sx Hi-Fill (yield 3.79 cf/sx) + 50 sx class "G" w 2% CaCl ₂ & 1/4 #/sx cello-flakes.
7 7/8"	5 1/2"	15.5#	7500'	650 sx Hi-Fill (yield 3.79 cf/sx) + 50 sx class "G" w/2% CaCl ₂ & 1/4 #/sx cello-flakes

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #4556. *Bld 92*

pc: Utah Division of Oil, Gas, and Mining
 Bureau of Indian Affairs, Fort Duchesne, Utah



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Ed W. Jett* TITLE AGENT FOR PETROGLYPH DATE 7-2-1998

(This space for Federal or State office use)
 PERMIT NO. 43-013-32091 APPROVAL DATE

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:
 APPROVED BY *Bradley G. Hill* TITLE RECLAMATION SPECIALIST III DATE 7/9/98

*See Instructions On Reverse Side

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/26/98

API NO. ASSIGNED: 43-013-32091

WELL NAME: 28-02D4X
 OPERATOR: PETROGLYPH OPERATING CO (N3800)
 CONTACT: Ed Trella (435) 789-4120

PROPOSED LOCATION:
 NWNE 28 - T04S - R04W
 SURFACE: 0567-FNL-2256-FEL
 BOTTOM: 0567-FNL-2256-FEL
 DUCHESNE COUNTY
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: 07/11/98		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FEE
 LEASE NUMBER:
 SURFACE OWNER: Fee

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal[] State[] Fee
 (No. B6692)
 Potash (Y/N)
 Oil Shale (Y/N) *190-5(B)
 Water Permit
 (No. 43-10152)
 RDCC Review (Y/N)
 (Date: _____)
 St/Fee Surf Agreement (Y/N)

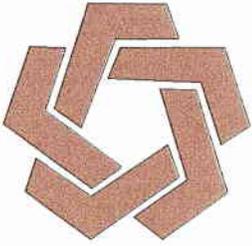
LOCATION AND SITING:

___ R649-2-3. Unit _____
 ___ R649-3-2. General
 R649-3-3. Exception
 ___ Drilling Unit
 Board Cause No: _____
 Date: _____

COMMENTS: _____

Grant Administrative Approval for Exception Location in Letter

STIPULATIONS: ① Comply with ~~stipulations~~ conditions of approval as stated on original approval letter
② The original well is to be plugged or converted to a water well as soon as is reasonably possible.



DIVISION OF OIL, GAS & MINING

OPERATOR: PETROGLYPH OPERATING (N3800)

FIELD: UNDESIGNATED (002)

SEC. 28, TWP 4S, RNG 4W

COUNTY: DUCHESNE UAC: R649-3-2 STATEWIDE SPACING

T4S R4W

GRRV

GRRV

GRRV

DUCHESNE

22-16D4

21-16D4

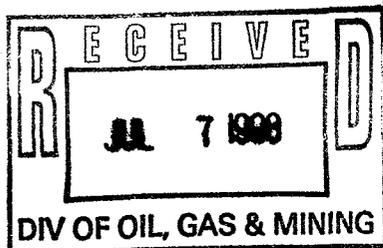
#28-2D4 X (RIG SKID) GRRV

27-4D4

DATE PREPARED:
26-JUNE-1998

State of Utah
Division of Oil, Gas & Mining
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801

July 7, 1998



Re: Application for Exception Well Location
Proposed Fee #28-02D4
Township 4 South, Range 4 West
Section 28: NW/4 NE/4
Duchesne County, Utah

Petroglyph Operating Company Inc. (Petroglyph) respectfully requests administrative approval per R-649-3-3 to drill the Fee 28-02D4 a 7,500' Washatch test, at a location 567' FNL & 2256' FEL, NW/4 NE/4, Section 28, Township 4 South, Range 4 West, Duchesne County, Utah.

The aforementioned footage is not a location at which a well could be drilled in compliance with the spacing order of this lease, which established 40 acre drilling units.

This well was originally spudded at 645' FNL & 2157' FEL, but due to drilling difficulties encountered the hole was plugged back and Petroglyph proposes to skid the drilling rig to a location 567' FNL & 2256' FEL and drill a new hole.

Petroglyph Operating Company Inc. holds 100% of the operating rights underlying the subject drilling unit as well as drilling units to the north, south, east and west.

Petroglyph respectfully requests the Division of Oil, Gas and Mining Administratively grant this application for the exceptional well location at its earliest opportunity so that drilling operations can resume.

Please direct further correspondence and approval to myself at P.O. Box 1910, Vernal, Utah 84078 , or phone me at 435-789-4120

Sincerely,

A handwritten signature in cursive script that reads "Ed Trotter".

Ed Trotter, Agent

Petroglyph Operating Company Inc.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt
Governor

Lowell P. Braxton
Division Director

July 9, 1998

Petroglyph Operating Company
P.O. Box 607
Roosevelt, Utah 84066

Re: Ute Tribal 28-02D4X Well, 567' FNL, 2256' FEL, NW NE,
Sec. 28, T. 4 S., R. 4 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-013-32091.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator: Petroglyph Operating Company
Well Name & Number: Ute Tribal 28-02D4X
API Number: 43-013-32091
Lease: Fee
Location: NW NE Sec. 28 T. 4 S. R. 4 W.

Conditions of Approval

1. 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.

2. Notification Requirements

Notify the Division within 24 hours prior to spudding the well. Contact Jim Thompson at (801) 538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Comply with conditions of approval as stated in original approval letter.

5. The original well is to be plugged or converted to a water well as soon as is reasonably possible.

STATE OF UTAH
DIVISION OF OIL GAS AND MINING
BOPE TEST INSPECTION FORM

COMPANY: PETROGLYPH OPERATING CO REPRESENTATIVE: JOE DUNCAN

WELL NAME: FEE #28-02D4X API NO: 43-013-32091

WELL SIGN: N_QTR/QTR NW/NE SEC: 28 TWP: 4S RANGE: 4W

INSPECTOR: DENNIS L. INGRAM TIME: 10:00 AM DATE: 7/13/98

DRILLING CONTRACTOR: UNION DRILLING CO RIG: #16

DEPTH: 426' LAST CASING: 13 3/8" SET @: 426'

TESTED BY: QUICK TEST WATER: YES MUD: _____

TEST PRESSURES: 2000 KELLYCOCK: UPPER YES LOWER N/A

INSIDE BOP _____ FULL OPENING VALVE ON FLOOR YES

WRENCH FOR FULL OPENING VALVE/KELLYCOCK ON FLOOR YES

STACK LISTED AS ARRANGED (FROM TOP TO BOTTOM): PRESSURE

1. HYDRIL N/A
2. BLIND RAM YES
3. PIPE RAMS 4 1/2" YES
4. DRILLING SPOOL N/A
5. SPACER SPOOL N/A
6. DRILLING SPOOL ASSEMBLY N/A
7. WELLHEAD YES
8. _____

CHOKE MANIFOLD AND VALVES: YES

DART VALVE: YES FLOOR VALVE: YES HCR VALVE: _____

INSIDE VALVES _____ OUTSIDE VALVES _____

ADDITIONAL COMMENTS: SET PLUG AND TEST PIPE RAMS AND CHOKE LINE
FIRST--OK. SECOND TEST WAS BLIND RAMS AND CHOKE MANIFOLD--OK.
HAD TO REPLACE MANUAL VALVE BETWEEN PIT SIDE CHOKE AND CHOKE
LINE.

MEMORANDUM OF SURFACE USE AND
RIGHT-OF-WAY AGREEMENT

FILE COPY

THIS MEMORANDUM WITNESSES:

THAT on the 16th day of June, 1997 between LAMONT W MOON AND GAY G MOON, Trustees of the LAMONT W MOON Trust and the GAY G MOON Trust, whose address is 628 South 799 East, Duchesne, Utah 84021 (GRANTOR), in consideration of the covenants and agreements contained in that certain Surface Use and Right-Of-Way Agreement dated June 25, 1997, 1997 (the "Agreement"), has granted and conveyed, and by these presents does hereby grant and convey to PETROGLYPH OPERATING COMPANY, INC., whose address is 6209 North Highway 61, P.O. Box 1839, Hutchinson, Kansas 67502 (GRANTEE), certain rights of surface use, rights-of-way, and easements for the exploration, development, production, and transportation of oil and gas in, on, over, through and across certain real property owned by GRANTOR and situated in the County of Duchesne, State of Utah, and more particularly described as follows:

Township 4 South - Range 3 West USM

- Section 9: That portion of the SE/4 SE/4 lying South and East of the County Road
- Section 10: SW/4 SW/4, less 3.99 ac in the SE corner
- Section 16: NE/4 NE/4

Township 4 South - Range 4 West USM

- Section 14: The South 100 acres
- Section 15: The South 100 acres
- Section 21: S/2, SE/4 NW/4, S/2 NE/4, NE/4 NE/4 less 7.0 acres in the NW corner
- Section 22: All
- Section 23: All
- Section 27: All
- Section 28: All
- Section 29: All
- Section 32: All
- Section 33: All
- Section 34: SW/4 SW/4

E 320852 B AD280 F 239
 DATE 1-JUL-1997 16:15PM FEB 30.00
 GARDLYNE B. MADSEN, RECORDER
 FILED BY CRY
 FOR ED TROTTER
 DUCHESNE COUNTY CORPORATION

Containing 5,271.50 acres, more or less.

Said rights and uses are granted upon and subject to all of the terms and conditions set forth in the Agreement, executed by GRANTOR and GRANTEE, which Agreement is held by and can be inspected by parties having a vested interest in the Agreement and/or subject property during reasonable business hours at the offices of GRANTOR or GRANTEE. Such uses, rights-of-way and easements are granted for the full period of development of and the production life of any of the wells, appurtenances and facilities associated therewith.

IN WITNESS WHEREOF, this Memorandum has been duly executed this 25th day of June, 1997.

GRANTOR LAMONT W MOON AND GAY G MOON, Trustees

By: Lamont W Moon

By: Gay G Moon

06/23/1998 14:40 0017051420 ED TROTTER PAGE 01

FAX COVER SHEET

FROM: ED TROTTER

FAX NO. 435-789-1420

TELEPHONE NO. 435-789-4120

TO: UDOG & M

FAX NO. 801-359-3940

ATTENTION: LISHA CORDOVA

DATE: 6-23-1998

TOTAL NUMBER OF PAGES INCLUDING COVER PAGE: 3

All information contained in this facsimile is confidential and is solely directed to the above named recipient. If you receive this fax in error, or there is a problem with the transmission, please call: 1-435-789-4120. Thank you.

Lisha, ^(etc.)
Surface Agreement for wells in Section 27, T4S, R4W.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
(Expires August 31, 1985)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*										
1. a. TYPE OF WELL: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other _____					5. LEASE DESIGNATION AND SERIAL NO. FEE					
b. TYPE OF COMPLETION: New Well <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Reserv. <input type="checkbox"/> Other _____					6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Indian Tribe					
2. NAME OF OPERATOR PETROGLYPH OPERATING COMPANY, INC.					7. UNIT AGREEMENT NAME					
3. ADDRESS OF OPERATOR P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531					8. FARM OR LEASE NAME					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 567' FNL 2256' FEL					9. WELL NO. FEE 28-02D4					
At top prod. interval reported below					14. PERMIT NO. 43-013-32091		DATE ISSUED 7/9/98		12. County or Parish Duchesne	13. State Utah
At total depth 7500' RTD		15. DATE SPUDDED 7/10/98		16. DATE T.D. REACHED 8/14/98		17. DATE COMPLETED (Ready to prod.) 11/9/98		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5960' KB		19. ELEV. CASINGHEAD 5950' GGL
20. TOTAL DEPTH, MD & TVD 7500' TD		21. PLUG BACK T.D., MD & TVD 6400'		22. IF MULTIPLE COMPL., HOW MANY* 7		23. INTERVALS DRILLED BY ROTARY TOOLS		CABLE TOOLS		
24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)* Wasatch F2, F3, F5, F6, W2, W5, W11					25. WAS DIRECTIONAL SURVEY MADE No					
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray to surface, Density-Compensated Neutron Porosity, AIT (normal suite)					27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)										
CASING RECORD				CEMENTING RECORD				AMOUNT PULLED		
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	515 sxs Class G w/2% CaCl2, all cement had .25#/sk cellophane flake						
13-3/8"	48.0	427'	17-1/2"	1000 sxs Halco light, 215 sxs Class G w/ 2% CaCl2, all cement had .25#/sk cellophane flake						
8-5/8" (53 fts)	24 (53 fts) 32 (17 fts)	2972'	12-1/4"	468 sxs Thixotropic, 300 sxs 50/50 POZ						
5-1/2"	15.5 (122 fts) 17 (37 fts)	6903'	7-7/8"							
29. LINER RECORD						30. TUBING RECORD				
SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCRIBEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
					2-7/8"	6262'				
31. PERFORATION RECORD (Interval, size and number) CONFIDENTIAL W11 6690-6726' (33 holes) F3 6200-6204' (12 holes) W5 6504-6540' (33 holes) F2 6160-6164' (16 holes) W2 6448-6452' (16 holes) F6 6243-6247' (16 holes) F5 6222-6226' (16 holes)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 6504-6540' & 6690-6726' 10000 gals 15% HCL, 1156 gals 30# gelled Xlink brine 6448-6452' 220 gals Parachek, 4600 gals Delta Frac 25, 62100# 20/40 prop						
33. PRODUCTION										
DATE FIRST PRODUCTION 11/11/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2" x 1-3/4" x 16' 40 ring PA pump					WELL STATUS (Producing or shut-in) producing			
DATE OF TEST 11/20/98	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL. 10	GAS - MCF. 0	WATER - BBL. 20	GAS-OIL RATIO			
FLOW. TUBING PRESS.	CASING PRESSURE 350	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)				
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold, used for fuel					TEST WITNESSED BY Dave Schreiner					
35. LIST OF ATTACHMENTS None										
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records										
Signed <u>K. (Kenna) Bell</u>				Title <u>Operations Coordinator</u>			Date <u>12/5/98</u>			

CONFIDENTIAL

CONFIDENTIAL
PERIOD
EXPIRED
ON 12-9-99

* (See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly or 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.

RECEIVED
DEC 30 1998

37. SUMMARY OF POROUS ZONES: (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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Ute Tribal 28-02D4			
B Marker	4056	CONFIDENTIAL	
X Marker	4577		
Douglas Creek	4720		
B Limestone	5139		
Castle Peak	5746		
Basal Carbonate	6108		

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc.
ADDRESS P. O. Box 607
Roosevelt, UT 84066

OPERATOR ACCT. NO. N3800

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12489	43-013-32091	Ute Tribal 28-02D4X	NWNE	28	4S	4W	Duchense	7/10/98	
WELL 1 COMMENTS: 981027 entity added. KBT					CONFIDENTIAL						
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group of 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Deanna Bell
Signature Deanna Bell

Operations Coordinator 7/15/98
Title Date

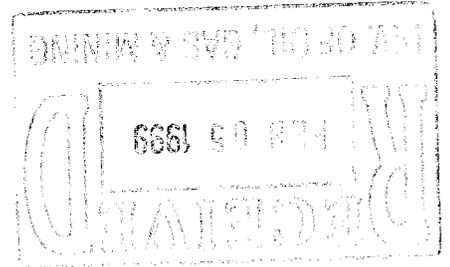
Phone No. (435) 722-2531



Petroglyph Operating Company, Inc.
A wholly owned subsidiary of
Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 67504-1839

316 665-8500
316 665-8577 fax



February 2, 1999

Carol Daniels
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste.1210
Salt Lake City, UT 84114

Carol:

Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>	
FEE Ute Tribal 28-02D4X	Dual Spaced Neutron Spectral Density	32091
FEE Ute Tribal 28-02D4X	High Resolution Induction	43-013-31818
		S-28, T4S R4W

Please hold these in confidence as permitted in division guidelines. If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

Brooke Kirmer
Geological Technician
Petroglyph Operating Company, Inc.
1302 N. Grand
Hutchinson, KS 67501
Phone: (316) 665-8500
Fax: (316) 665-8577
E-mail: brooke@petroglyph.net

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: FEE
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Bosie, ID, 83703	8. WELL NAME and NUMBER: FEE 28-02D4X
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FNL 2256 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 28 Township: 04.0S Range: 04.0W Meridian: U	9. API NUMBER: 43013320910000
9. FIELD and POOL or WILDCAT: DUCHESNE	COUNTY: DUCHESNE
STATE: UTAH	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: 2/20/2013	<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 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 checked="" 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 style="width: 100px;" type="text"/>

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

On or around 2/20/2013, depending on equipment availability, Petroglyph Operating plans for perforate and fracture treat the following: 4135-41, 4210-12, 4404-08, 4483-92, 4576-81, 4761-63, 4767-77, 4940-46, 4996-98, 5131-36, 5440-47, 5451-54, 5460-65, 5490-94, 5530-37, 55470-44, 5557-63 & 5570-80. We intend to rig up and set a wireline retrievable plug at +/- 5690' and perforate using Titan 3-1/8" perf guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 spf @ 120* phased. All plugs will be drilled out, and the well swabbed back until a good oil cut is seen. We will then run a pump and return to production

Approved by the Utah Division of Oil, Gas and Mining

Date: January 24, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 1/18/2013	

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: FEE	
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:	
		7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEE 28-02D4X	
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		9. API NUMBER: 43013320910000	
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	PHONE NUMBER: 208 685-7685 Ext	9. FIELD and POOL or WILDCAT: DUCHESNE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FNL 2256 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 28 Township: 04.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/25/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input 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 checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>On 2/9/2013 Petroglyph Operating rigged up on the above referenced well. We pulled the production tubing and made a bit and scraper run to 6292, then circulated and cleaned the well. On 2/15/2013, we perforated the following: 5570-80, 5557-63, 5540-44, 5530-37, 5490-94, 5460-65, 5451-54, 5440-47, 5131-36, 4996-98, 4940-46, 4767-77, 4761-63, 4210-12 & 4135-41. We perforated w/ Titan 3-1/8" guns cont 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 spf @ 120* phased. Using Halliburton 8K Composite plugs for isolation, we frac'd the following: 5440-5580: 1152 Bbls cont 119,820#'s of sand 4940-5136: 553 Bbls cont 34,500#'s of sand 4761-4777: 730 Bbls cont 29,460#'s of sand 4404-4492: 598 Bbls cont 45,712#'s of sand 4135-4212: 491 Bbls cont 28,871#'s of sand. We frac'd w/ Delta 140 15# gelled fluid cont 20/40 mesh sand. Plugs drilled and cleaned out to 6400'. swabbed, put to pump 2/25/2013.</p>			
NAME (PLEASE PRINT) Rodrigo Jurado		PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A		DATE 3/6/2013	

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 21, 2013**

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: FEE
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:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEE 28-02D4X	
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013320910000	
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	PHONE NUMBER: 208 685-7685 Ext	9. FIELD and POOL or WILDCAT: DUCHESNE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0567 FNL 2256 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 28 Township: 04.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/25/2013 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>This well was originally drilled to a TD of 7500' on 8/14/1998. We found the top of the Wasatch Formation at 6382'. During the original completion we perforated 6690-6726, 6504-6540, 6448-6452, 6243-6247, 6222-6226, 6200-6204 & 6160-6164. Following our initial completion activity in the Wasatch Formation, a CIBP was set at 6400' and the perforations below that point were never produced. On 2/12/13 we made a bit and scraper run to 6292' in preparation of a re-completion from 4135'-5580', further up the Green River Formation.</p> <p>During and after our re-completion, the CIBP at 6400' remained in place. We have no plans to drill this plug out. This well has produced exclusively Green River gas and oil since it's initial completion in late 1998. This remains the case following the recent re-completion.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 27, 2013</p>
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 3/26/2013	

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT OR CA AGREEMENT NAME

8. WELL NAME and NUMBER:
FEE 28-02D4X

9. API NUMBER:
4301332091

10. FIELD AND POOL OR WILDCAT
Duchesne

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NWNE 28 4S 4W U

12. COUNTY
Duchesne

13. STATE
UTAH

14. DATE SPUDDED: **7/10/1998**

15. DATE T.D. REACHED: **8/14/1998**

16. DATE COMPLETED: **2/25/2013**

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5960' RKB

18. TOTAL DEPTH: MD **7,500**
TVD **7,500**

19. PLUG BACK T.D.: MD **6,400**
TVD **6,400**

20. IF MULTIPLE COMPLETIONS, HOW MANY? *
2

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
AIT (Normal Suite), CBL, Density-Compensated Neutron Porosity.

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
17-3/8	13-3/8 K-55	48	0	427		G 515			
12-1/4	8-5/8 J-55	24	0	2,972		Halc/G 1,215			
7-7/8	5-1/2 J-55	15.5	0	6,903		Thixo & 768			
						50/50 p			

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	6,271							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	4,135	5,580	4,135	5,580	4,135 5,580	0.42	324	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) GRRV (previous)	6,160	6,247	6,160	6,247	6,160 6,247		60	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Wstch (previous)	6,448	6,726	6,448	6,726	6,448 6,726		82	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4,135'-5,580'	3,524 Bbls Delta 15# gelled fluid containing 258,363#'s of 20/40 mesh sand.

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

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED 2/5/2013	TEST DATE: 3/7/2013	HOURS TESTED: 12	TEST PRODUCTION RATES: →	OIL – BBL: 67	GAS – MCF: 0	WATER – BBL: 80	PROD. METHOD: Flowing			
CHOKE SIZE: 30/64	TBG. PRESS. 180	CSG. PRESS. 200	API GRAVITY	BTU – GAS 1	GAS/OIL RATIO 0	24 HR PRODUCTION RATES: →	OIL – BBL: 33	GAS – MCF: 43	WATER – BBL: 224	INTERVAL STATUS: Open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED 2/5/2013	TEST DATE: 3/16/2013	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 33	GAS – MCF: 43	WATER – BBL: 224	PROD. METHOD: Rod Pump			
CHOKE SIZE: 30/64	TBG. PRESS. 50	CSG. PRESS. 38	API GRAVITY	BTU – GAS 1	GAS/OIL RATIO 1,303	24 HR PRODUCTION RATES: →	OIL – BBL: 33	GAS – MCF: 43	WATER – BBL: 224	INTERVAL STATUS: Open

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

33. SUMMARY OF POROUS ZONES (include Aquifers):

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

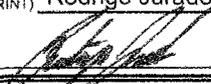
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Mahogany	2,852
				Garden Gulch	3,620
				B Marker	4,062
				X Marker	4,580
				Y Marker	4,612
				Douglas Creek	4,719
				B Lime	5,139
				Castle Peak	5,744
				Basal Carbonate	6,109
				Wasatch	6,382

35. ADDITIONAL REMARKS (include plugging procedure)

EHD on previous perforations unclear from records. Bridge Plug previously set at 6400', still in place above Wasatch perms.

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 3/20/13

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

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		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: 4/17/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input 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="Squeeze Perfs"/>

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

On 4/9/2013 Petroglyph Operating rigged up on the above referenced well to cement a set of perforations producing excessive amounts of water. We pulled the pump, tubing and ran a log. We found excessive water being produced from perforations in B10.2: 4,483'-4,492'. We ran in and set a retrievable plug at 4,545' and a retainer at 4,430', pumped 5 Bbls of cement and circulated 15 Bbls back up to to a flat tank. Cement was 100 SX Class G Neat w/ no additives. We then drilled out retainer and cement and ran scraper to just above RBP, isolated and pressure tested zone to 1500 Psi. Tested good. Retrieved Bridge Plug, ran in hole with tubing, pump, and returned to production 4/17/2013.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 22, 2013**

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 5/8/2013	