

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-4736

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBAL

7. UNIT AGREEMENT NAME

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

9. API WELL NO.
#33-15-D3

10. FIELD AND POOL, OR WILDCAT
ANTELOPE CREEK

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
SEC. 33, T4S, R3W

12. COUNTY OR PARISH
DUCHESNE

13. STATE
UTAH

17. NO. OF ACRES ASSIGNED
TO THIS WELL
80

20. ROTARY OR CABLE TOOLS
ROTARY

22. APPROX. DATE WORK WILL START*
AUGUST, 1997

1a. TYPE OF WORK
DRILL DEEPEN

b. TYPE OF WELL
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
PETROGLYPH OPERATING CO., INC.

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 597' FSL & 1818' FEL Lot 2
At proposed prod. zone ¹⁸¹ 653

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
597'±

16. NO. OF ACRES IN LEASE
617.20

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
6499'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5871.8' GRADED GROUND

22. APPROX. DATE WORK WILL START*
AUGUST, 1997

PROPOSED CASING AND CEMENTING PROGRAM

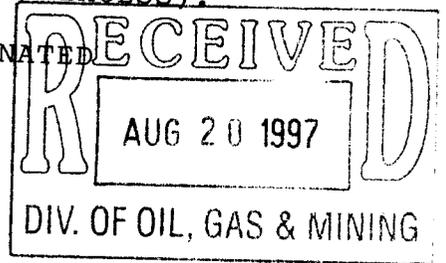
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	250'	135 sx class "G" + 2% CaCl ₂ + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+5% EXCESS).
7 7/8"	5 1/2"	15.5#	6499'	

CONFIDENTIAL

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

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

CONFIDENTIAL



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.

SIGNED: *[Signature]* TITLE AGENT FOR PETROGLYPH DATE 8-12-97

PERMIT NO. 43-013-31937 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.

APPROVED BY: *[Signature]* TITLE Associate Director DATE 9/15/97

*See Instructions On Reverse Side

T4S, R3W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

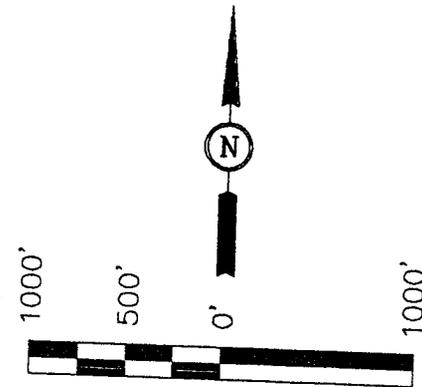
Well Location, UTE TRIBAL #33-15-D3,
located as shown in Lot 2 of Section 33,
T4S, R3W, U.S.B.&M. Duchesne County, Utah.

S89°55'W - 80.50 (G.L.O.)

Pile of Stones,
5/8" Rebar

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 33, T4S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE 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 5938 FEET.



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 16131
STATE OF UTAH

S0°03'E - 40.00 (G.L.O.)

Pile of Stones,
Set 5/8" Rebar

NOTE:
BASIS OF BEARINGS IS THE
EAST LINE OF THE NE 1/4
OF SECTION 5, T5S, R3W,
U.S.B.&M. WHICH IS ASSUMED
FROM G.L.O. INFORMATION TO
BEAR N0°02'E

N00°19'08"W - 2638.37' (Meas.)

Pile of Stones,
Set 5/8" Rebar

33

N00°29'08"W - 2432.13' (Meas.)

UTE TRIBAL #33-15-D3
Elev. Ungraded Ground - 5874'

Lot 4

Lot 3

Lot 2

Lot 1

1818'

597'

C.C. Marked Stone,
Pile of Stones

A.P. Pile
of Stones

C.C. Set Stone,
Pile of Stones, 1/2"
Rebar, Plastic Cap

A.P. Pile
of Stones

S89°55'15"W
379.48'

N89°54'41"E - 5305.35' (Meas.)

N89°26'42"E
362.25'

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

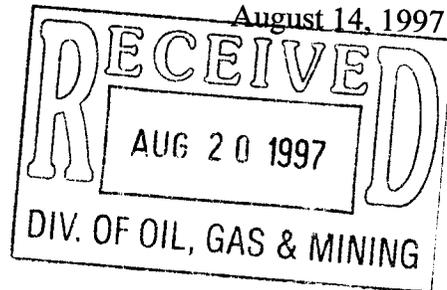
○ A.P. = ANGLE POINT

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 7-7-97	DATE DRAWN: 7-22-97
PARTY L.D.T. B.H. J.L.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO. INC	

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

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



RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL #33-15-D3
Lot 2 SEC. 33, T4S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. 14-20-H62-4736
SURFACE OWNER: ELMER R. &
ARWELLA P. MOON

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

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,

Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

EIGHT POINT PLAN

UTE TRIBAL #33-15-D3
Lot 2, SEC. 33, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

<u>FORMATIONS</u>	<u>DEPTH</u>	<u>SUBSEA</u>
Mahogany Shale	3013	2869
"X" Marker	4650	1232
Douglas Creek	4797	1085
"B" Limestone	5183	699
B/Castle Peak Limestone	5782	100
Basal Carbonate Limestone	6169	-287
Total Depth	6499	-617
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	4797	1085
Oil/Gas	B/Castle Peak	5782	100
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 BURST TENSILE</u>		
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 6499'	6499'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL #33-15-D3
Lot 2, SEC. 33, T5S R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'
250' - 4000'
4000' - TD
TD

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
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
Compensated Density-Compensated Neutron Log
Dual Laterolog - Micro-SFL
Numar (Magnetic Resonance Imaging Log)

T.D. to base of surface csg.
T.D. to base of surface csg.
T.D. to base of surface csg.
@ Geologists discretion

Cores: None Programmed

DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #33-15-D3
Lot 2, SEC. 33, T5S R3W
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.

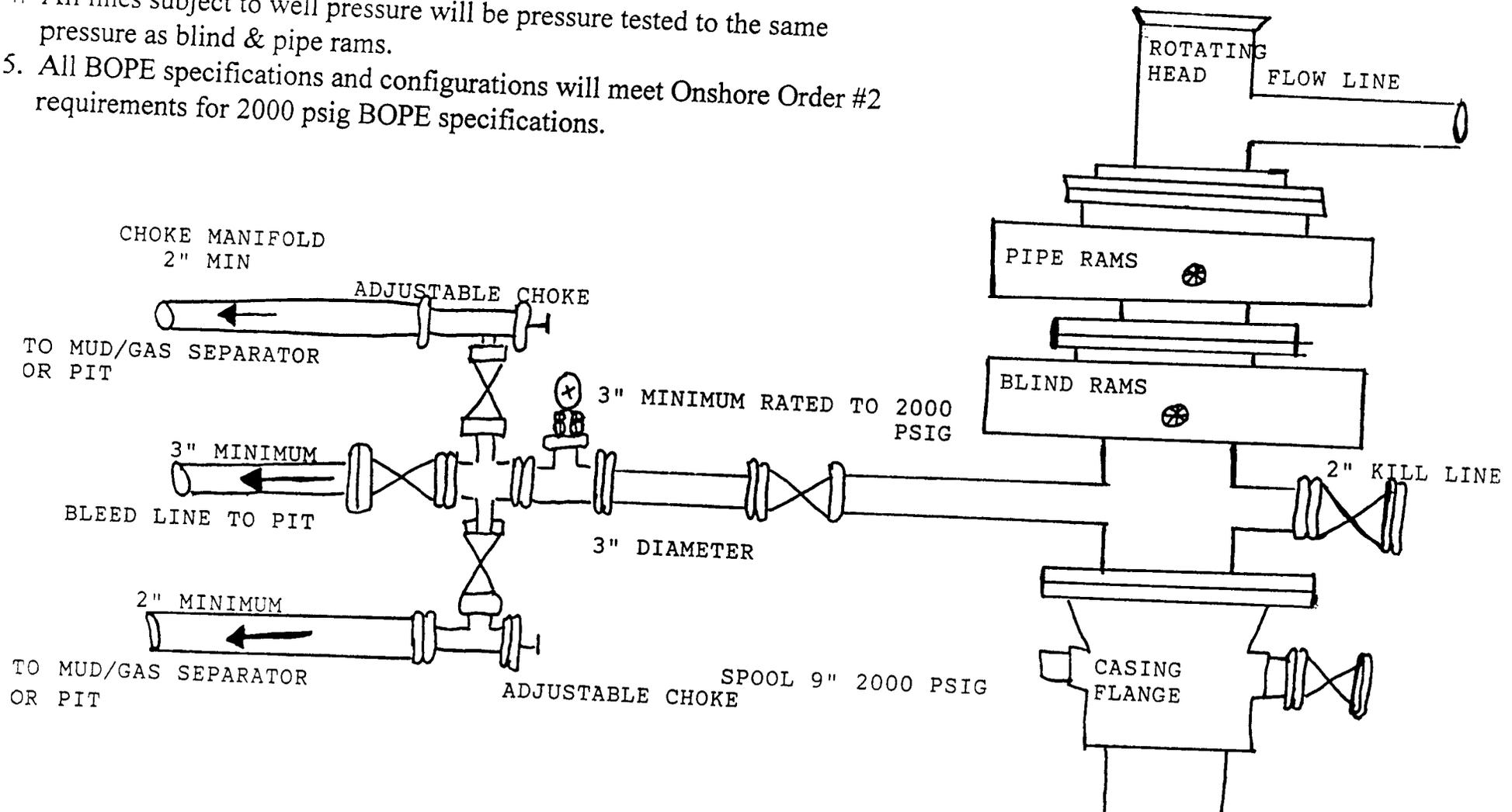
(Attachment: BOP Schematic Diagram)

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: UTE TRIBAL #33-15-D3
Lease Number: 14-20-H62-4736
Location: 597' FSL & 1818' FEL, Lot 2, Sec. 33, T4S, R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Elmer R. & Arwella P. 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 13.2 miles southwest of Myton, 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 0.3 miles 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. No gates, cattleguards or fences will be required or encountered.

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 - 18*
- 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

1. A 4 1/2" OD steel above ground natural gas pipeline will be laid approximately 860' from proposed location to a point in the SE/SE of Section 33, T4S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses privately owned surface, thus a Right-of-Way grant will be required.
2. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
3. 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 North 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 South side of the location.

The flare pit will be located downwind of the prevailing wind direction on the South 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 North side.

Access to the well pad will be from the East.

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 _____

X Corner No. 2 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.

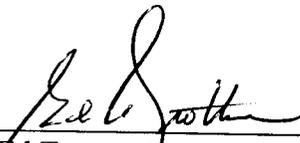
A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

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.

8-12-97

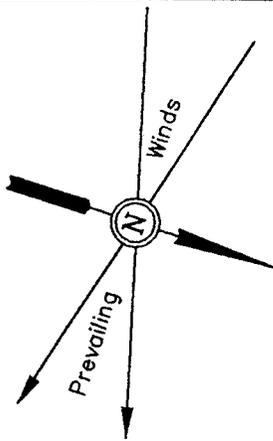
Date


Ed Trotter-Agent-
Petroglyph Operating Company

PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

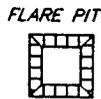
UTE TRIBAL #33-15-D3
SECTION 33, T4S, R3W, U.S.B.&M.
597' FSL 1818' FEL



SCALE: 1" = 50'
DATE: 7-22-97
Drawn By: J.L.G.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

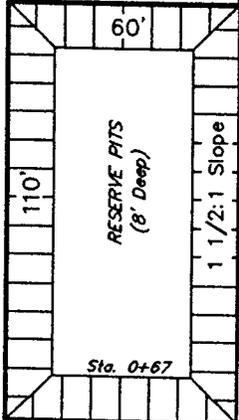


FLARE PIT
C-3.9'
El. 75.7'
C-14.8'
El. 78.6'
(btm. pit)

NOTE:
Pit Capacity W/2' of Freeboard is ±4,600 Bbls.

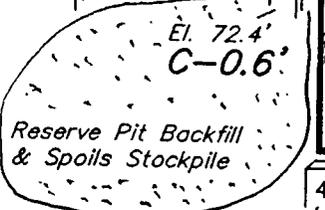
Approx. Top of Cut Slope

10' WIDE BENCH

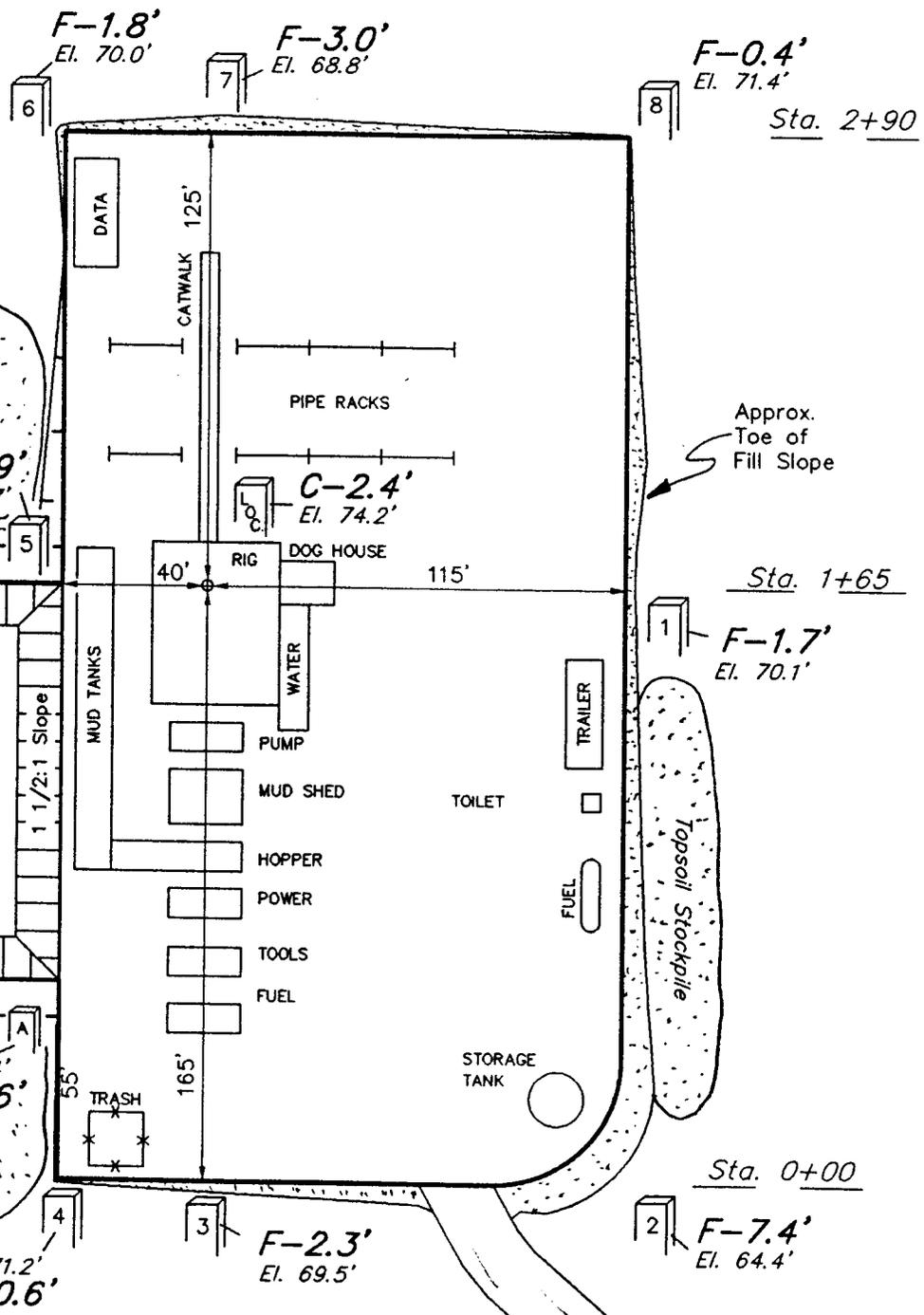


Sta. 0+67

El. 76.1'
C-12.3'
(btm. pit)



El. 72.4'
C-0.6'
El. 71.2'
F-0.6'



Approx. Toe of Fill Slope

Sta. 1+65

F-1.7'
El. 70.1'

Sta. 0+00

F-7.4'
El. 64.4'

Elev. Ungraded Ground at Location Stake = 5874.2'

Elev. Graded Ground at Location Stake = 5871.8'

UINTAH ENGINEERING & LAND SURVEYING
86 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

PETROGLYPH OPERATING CO., INC.

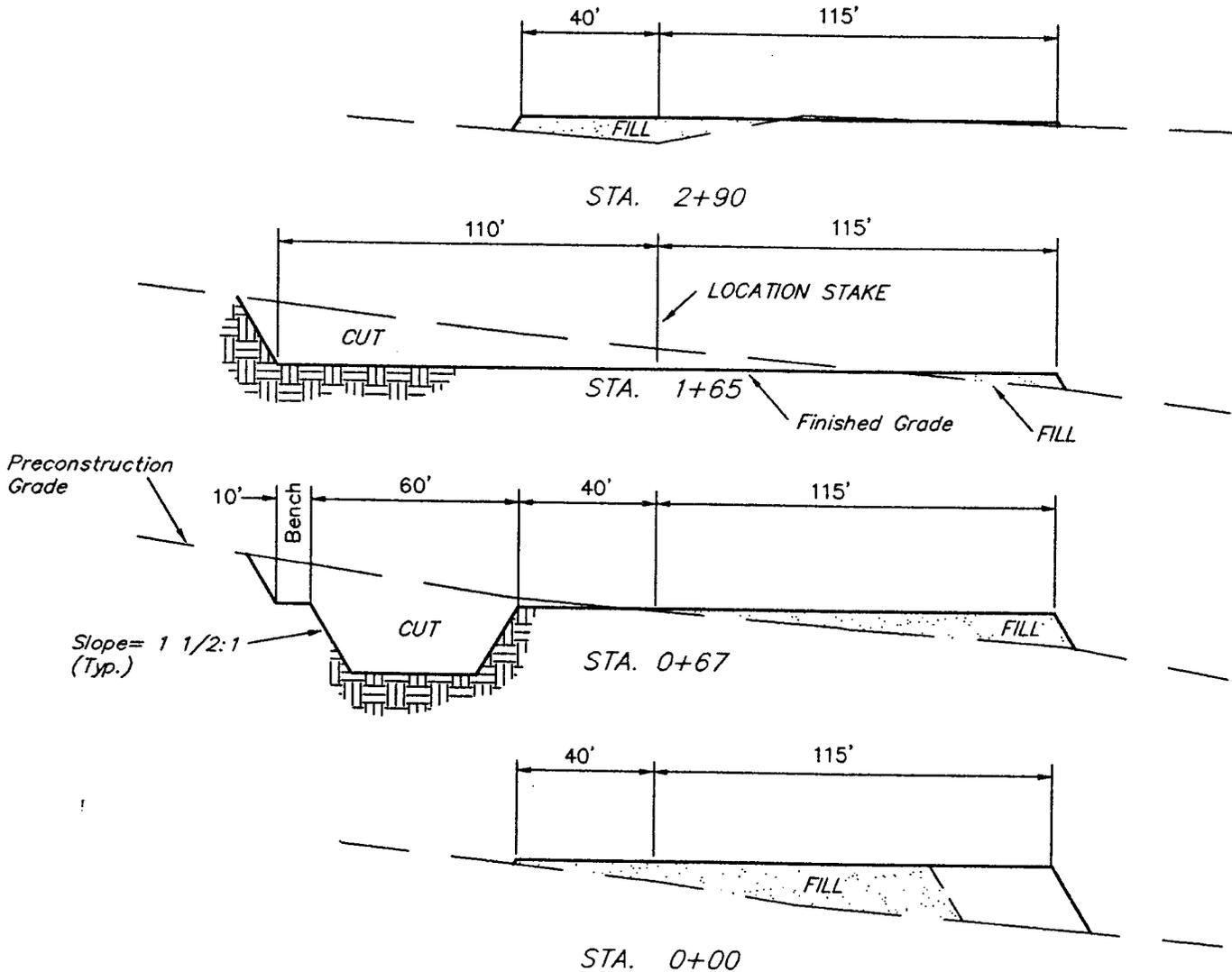
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #33-15-D3
SECTION 33, T4S, R3W, U.S.B.&M.
597' FSL 1818' FEL



1" = 20'
X-Section
Scale
1" = 50'

DATE: 7-22-97
Drawn By: J.L.G.



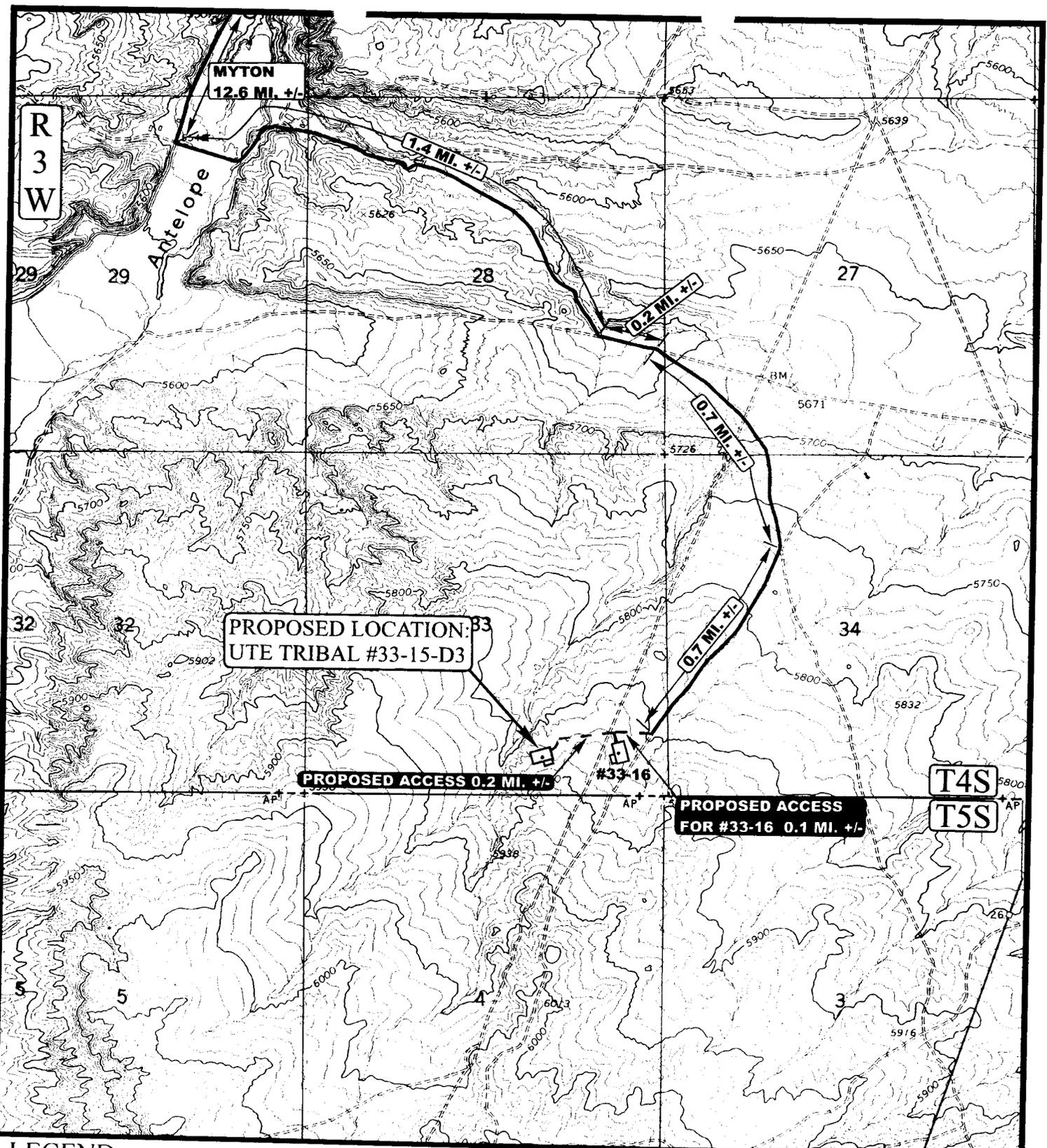
NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	960	Cu. Yds.
Remaining Location	=	3,370	Cu. Yds.
TOTAL CUT	=	4,330	CU.YDS.
FILL	=	2,540	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,660	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,650	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	10	Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



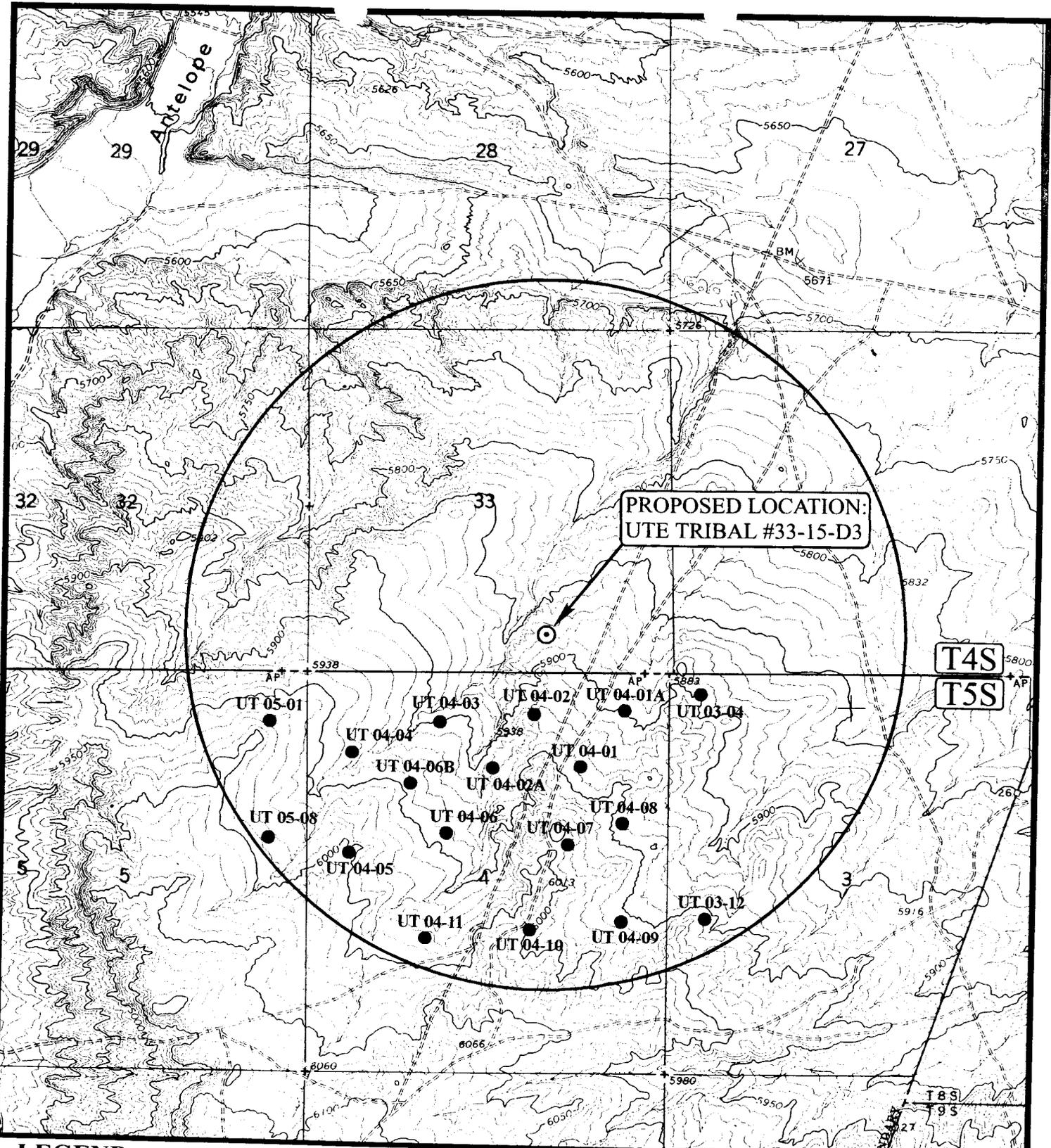
LEGEND:
 - - - - - PROPOSED ACCESS ROAD
 ————— EXISTING ROAD

U E L S
 Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1813
 Email: ucls@casilink.com



PETROGLYPH OPERATING CO., INC.
 UTE TRIBAL #33-15-D3
 SECTION 33, T4S, R3W, U.S.B.&M.
 597' FSL 1818' FEL

TOPOGRAPHIC MAP	7	15	97	B TOPO
	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: J.L.G.		REVISED: 00-00-00	



LEGEND:

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

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #33-15-D3
SECTION 33, T4S, R3W, U.S.B.&M.
597' FSL 1818' FEL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@casilink.com

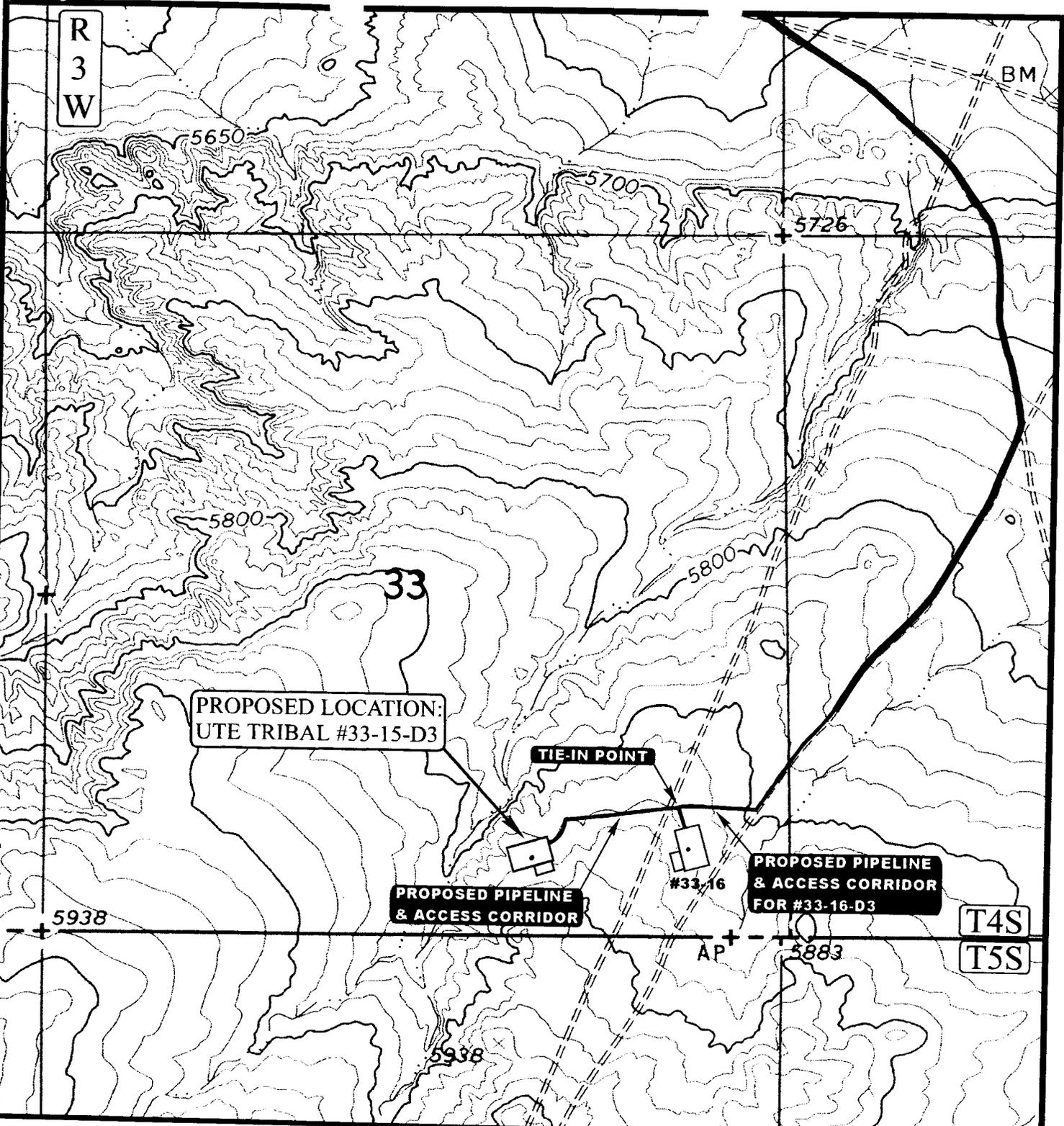


TOPOGRAPHIC
MAP

7	15	97
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





APPROXIMATE TOTAL CORRIDOR DISTANCE = 860' +/-

LEGEND:

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #33-15-D3
SECTION 33, T4S, R3W, U.S.B.&M.
597' FSL 1818' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@casilink.com



TOPOGRAPHIC
MAP

7	15	97
MONTH	DAY	YEAR

SCALE: 1" = 1000'

DRAWN BY: J.L.G.

REVISED: 00-00-00

D
TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/20/97

API NO. ASSIGNED: 43-013-31937

WELL NAME: UTE TRIBAL 33-15-D3
 OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:
 SWSE 33 - T04S - R03W
 SURFACE: 0597-FSL-1818-FEL
 BOTTOM: 0597-FSL-1818-FEL
 DUCHESNE COUNTY
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: IND
 LEASE NUMBER: 14-20-H62-4736

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
 (Number 4556)
 Potash (Y/N)
 Oil shale (Y/N)
 Water permit
 (Number 43-10152)
 RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

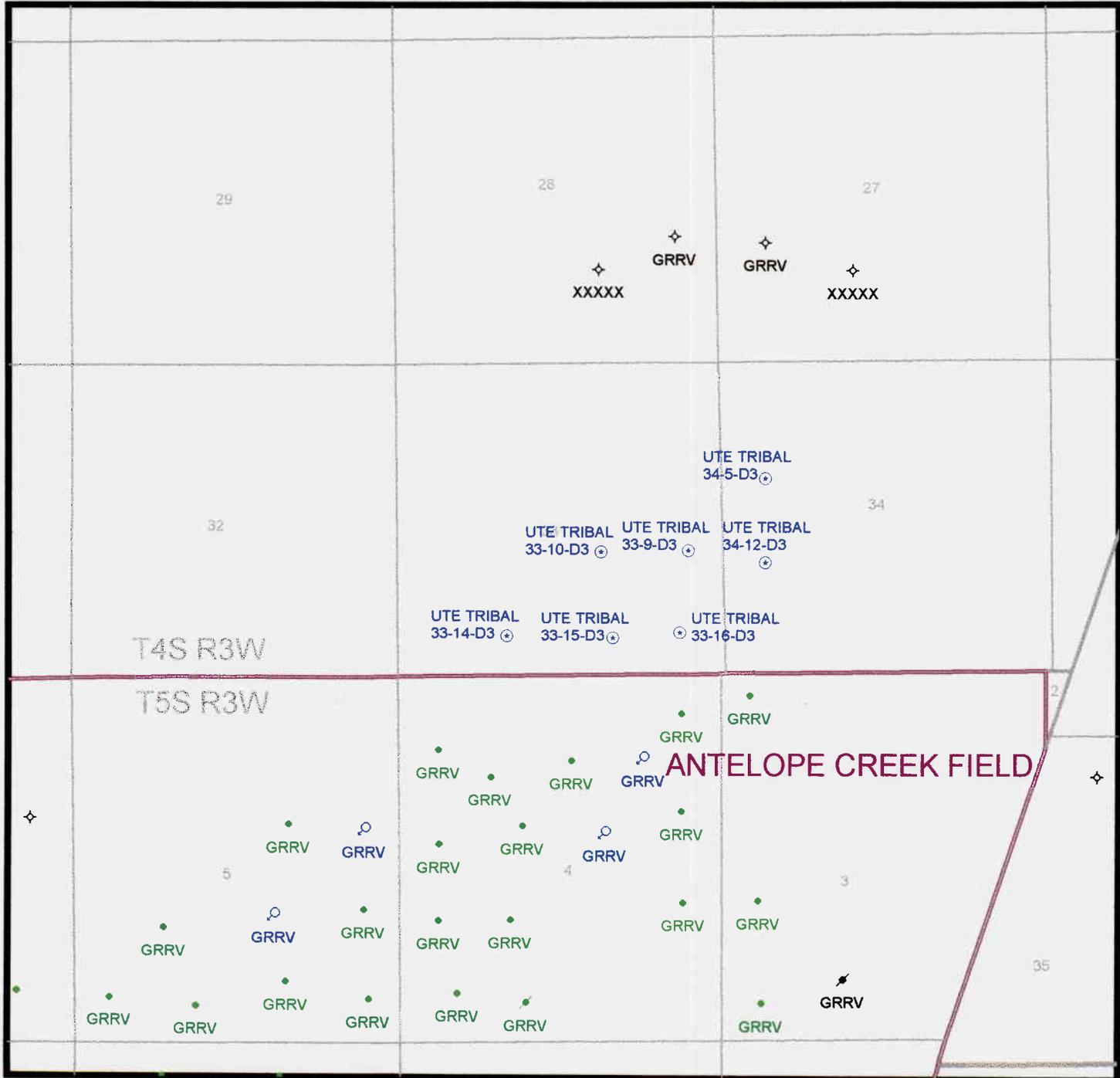
___ R649-2-3. Unit: _____
 R649-3-2. General.
 ___ R649-3-3. Exception.
 ___ Drilling Unit.
 ___ Board Cause no: _____
 ___ Date: _____

COMMENTS:

Conf. Status req.

STIPULATIONS:

OPERATOR: PETROGLYPH (N3800)
FIELD: UNDESIGNATED (002)
SEC, TWP, RNG: 33 & 34, T4S, R3W
COUNTY: DUCHESNE UAC: R649-3-2



PREPARED:
DATE: 21-AUG-97



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

September 15, 1997

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

Re: Ute Tribal 33-15-D3 Well, 597' FSL, 1818' FEL, SW SE,
Sec. 33, T. 4 S., R. 3 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 43-013-31937.

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 33-15-D3
API Number: 43-013-31937
Lease: 14-20-H62-4736
Location: SW SE Sec. 33 T. 4 S. R. 3 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 following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BH

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.

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 597' FSL & 1818' FEL Lot 2
 At proposed prod. zone AUG 18 1997

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 597'±

16. NO. OF ACRES IN LEASE 617.20

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 6499'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5871.8' GRADED GROUND

22. APPROX. DATE WORK WILL START* AUGUST, 1997

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-4736

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME, WELL NO.
UTE TRIBAL

9. AP WELL NO.
#33-15-D3

10. FIELD AND POOL, OR WILDCAT
ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 33, T4S, R3W

12. COUNTY OR PARISH | 13. STATE
DUCHESNE | UTAH

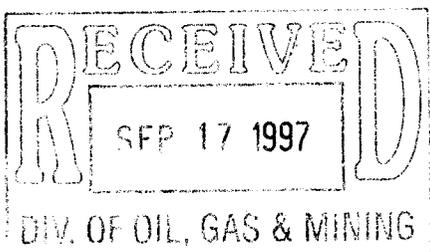
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	250'	135 sx class "G" + 2% CaCl ₂ + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+5% EXCESS).
7 7/8"	5 1/2"	15.5#	6499'	

CONFIDENTIAL

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

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 [Signature] TITLE AGENT FOR PETROGLYPH DATE 8-12-97

(This space for Federal or State office use)

PERMIT NO. **NOTICE OF APPROVAL** APPROVAL DATE _____

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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 [Signature] TITLE Assistant Field Manager Mineral Resources DATE SEP 12 1997

UTE INDIAN TRIBE

UINTAH AND OURAY AGENCY

P. O. Box 190
Fort Duchesne, Utah 84026



Interoffice MEMORANDUM

to: Howard Cleavinger, BLM-District Office
from: Joyleen W. Grant *M*
subject: Petroglyph Operating Company
date: September 4, 1997

Locations: Township 5 South, Range 3 West, USB&M

Ute Tribal #33-07 D3	Ute Tribal #33-16 D3
Ute Tribal #33-08 D3	Ute Tribal #34-03 D3
Ute Tribal #33-09 D3	Ute Tribal #34-04 D3
Ute Tribal #33-10 D3	Ute Tribal #34-05 D3
Ute Tribal #33-11 D3	Ute Tribal #34-06 D3
Ute Tribal #33-13 D3	Ute Tribal #34-11 D3
Ute Tribal #33-14 D3	Ute Tribal #34-12 D3
Ute Tribal #33-15 D3	Ute Tribal #34-13 D3

The Bureau of Indian Affairs, and the Ute Indian Tribe completed the onsite Environmental Assessments on the above wells. These wells are located on fee surface and tribal minerals. These EA's address the environmental impacts of the projects and recommend the approval of the Application for Permit to Drill, and the approval of the corridor right-of-ways.

An independent archaeologist conducted block cultural surveys for Sections 34 & 33. The cultural resources will not be impacted by construction activities provided it is maintained within the presently staked areas.

During July 28, 1997 an on-site inspection was conducted with the following persons in attendance: Ed Trotter, agent for Petroglyph Operating Co.; Greg Darlington of The Bureau Of Land Management, Vernal District; Dale Hanberg of the Bureau of Indian Affairs; Lonnie Nephi, Tribal Technician; and Steve Wall of Petroglyph Operating Co.

cc: Bureau of Indians Affairs
Fort Duchesne, Utah

cc: UIT Energy & Minerals
Ed Trotter, Agent for Petroglyph

Pat A. Moon

MEMORANDUM OF SURFACE USE AND
RIGHT-OF-WAY AGREEMENT

THIS MEMORANDUM WITNESSES:

THAT on the 16th day of June, 1997, between ELMER R MOON AND ARWELLA P MOON, husband and wife, whose address is East Old Highway 40, Duchesne, Utah 84021 (GRANTOR), in consideration of the covenants and agreements contained in that certain Surface Use and Right-Of-Way Agreement dated JUNE 25th 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 4 West USM

- Section 16: S/2 SW/4 less 5 acres SW/4 SW/4 SW/4
- Section 18: W/2 SW/4
- Section 21: W/2 NW/4, NE/4 NW/4

E 320857 B A0280 P 249
 DATE 1-JUL-1997 16:22PM FEE 24.00
 CAROLYNE B. MADSEN, RECORDER
 FILED BY CRY
 FOR ED TROTTER
 DUCHESNE COUNTY CORPORATION

Township 4 South - Range 3 West USM

- Section 28: S/2 SW/4, SW/4 SE/4
- Section 29: S/2 SE/4
- Section 31: E/2 SE/4
- Section 33: W/2, W/2 NE/4, W/2 SE/4, NE/4 SE/4

Township 5 South - Range 3 West USM

- Section 6: E/2 NE/4

Containing 1,152.64 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 ELMER R MOON AND ARWELLA P MOON

By: *Elmer R. Moon*

By: *Arwella P. Moon*

GRANTEE PETROGLYPH OPERATING COMPANY, INC.

By: Ed Groth
Its: Agent

ACKNOWLEDGMENTS

STATE OF UTAH)
 : ss.
COUNTY OF DUCHESNE)

The foregoing instrument was acknowledged before me this 25th day of June, 1997 by ELMER R MOON AND ARWELLA P MOON, husband and wife.

Charlotte Jensen
Notary Public
Residing in: Duchesne, ut

Commission Expires:

5-2-98

ACKNOWLEDGMENT

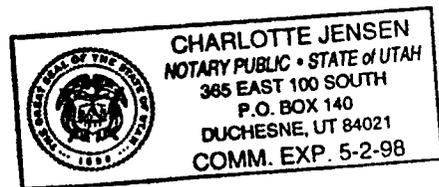
UTAH
STATE OF ~~KANSAS~~)
 : ss.
COUNTY OF DUCHESNE)

The foregoing instrument was acknowledged before me this 25th day of June, 1997 by Ed Groth, the Agent of PETROGLYPH OPERATING COMPANY, INC.

Charlotte Jensen
Notary Public
Residing in: Duchesne, ut

My Commission Expires:

5-2-98



Access

MEMORANDUM OF SURFACE USE AND
RIGHT-OF-WAY AGREEMENT

THIS MEMORANDUM WITNESSES:

THAT on the 16th day of June, 1997, between ORVEN J MOON AND DELPHIA N MOON, TRUSTEES, whose address is East Highway, Neola, Utah 84053 84021 (GRANTOR), in consideration of the covenants and agreements contained in that certain Surface Use and Right-Of-Way Agreement dated JUNE 25th 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 16: SW/4 SW/4

Section 27: All

Section 28: SE/4 SE/4

Section 33: E/2 NE/4, SE/4 SE/4

Section 34: All

Containing 1,450.00 acres, more or less.

E 320862 B A0280 P 259
DATE 1-JUL-1997 16:26PM FEE 17.00
CARDLYNE B. MADSEN, RECORDER
FILED BY CRY
FOR ED TROTTER
DUCHESNE COUNTY CORPORATION

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 ORVEN J MOON AND DELPHIA N MOON, TRUSTEES

By: *Orven J Moon*
By: *Delphia N. Moon*

GRANTEE PETROGLYPH OPERATING COMPANY, INC.

By: *Ed Trotter*
Its: Agent

KNOWLEDGMENTS

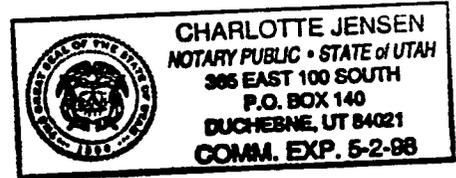
STATE OF UTAH)
: ss.
COUNTY OF DUCHESNE)

The foregoing instrument was acknowledged before me this 25th day of June, 1997 by ORVEN J MOON AND DELPHIA N MOON, TRUSTEES.

Charlotte Jensen
Notary Public
Residing in: Duchesne, UT

Commission Expires:

5-2-98



ACKNOWLEDGMENT

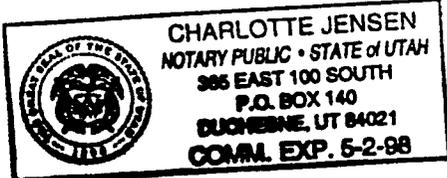
STATE OF Utah)
~~KANSAS~~ : ss.
COUNTY OF Duchesne)

The foregoing instrument was acknowledged before me this 25th day of June, 1997 by Ed Trotter, the Agent of PETROGLYPH OPERATING COMPANY, INC.

Charlotte Jensen
Notary Public
Residing in: Duchesne, UT

My Commission Expires:

5-2-98



**SITE SPECIFIC
ENVIRONMENTAL ASSESSMENT**

1.0 PROPOSED ACTION

Petroglyph Operating Co., Inc. is proposing to drill oil well #33-15-D3, and construct pipelines, and an access road on fee property having mineral rights owned by the Ute Indian Tribe. This environmental assessment is tier off from the Duchesne River Area Environmental Assessment No.3 prepared by Minerals Management Service dated April 1982.

2.0 ALTERNATIVE ACTIONS

- A. ALTERNATIVE CONSIDERED: The proposed action is the preferred alternative.
- B. NO ACTION: Under the no action alternative the proposed action would not be implemented.
- C. OTHER: NA

3.0 PERMITTEE/LOCATION

- A. Permittee- Petroglyph Operating Co., Inc.
- B. Date 7-28-97
- C. Well number- 33-15-D3
- D. Right-of-way- Access road & pipeline R\W approx. 860 feet.
- E. Site location SWSE, Section 33, T4S, R3W, USB&M.

4.0 SITE SPECIFIC SURVEY

A. SITE DESCRIPTION

- 1. Elevation (feet) 5874
- 2. Annual precipitation (inches)- 10-12
- 3. Topography- rolling hills
- 4. Soil- The soil texture is (0 to 6") loam

B. VEGETATION

- 1. Habitat type is upland shrub.
- 2. Percent Ground Cover- estimated to be 30%.
- 3. Vegetation consists of approximately 35% grasses, 60% shrubs, 5% forbs. The main variety of grasses are squirrel tail, Indian ricegrass, poa, needle & thread, galleta, and blue grama. Forbs are astragalus, mustard, lambs quarter, globemallow, buck wheat, flox, daisy, Indian paint brush, & annuals. Shrubs consist of black sagebrush, fring sage, bud sage, prickly pear, winterfat, shadscale, snakeweed, greasewood, rabbit

brush, spiny horsebrush.

4. Observed Threatened & Endangered species: None.

5. Potential For Threatened & Endangered species: Slight

7. Observed Noxious Weeds: None

8. AFFECTED ENVIRONMENTAL

1. There are no surface damages as a result of the initial survey.

4.1 WILDLIFE

A. POTENTIAL SITE UTILIZATION

1. Big Game-The area is used throughout the year by mule deer, elk, and antelope. (elk & mule deer use this area most during winter months.)

2. Small Game-The area is used by cottontail rabbit.

3. Raptor- Various species of raptors use this area for habitat. Raptors which are observed using the area are Golden eagles, Redtail hawk, & Kestrel. Ferruginous hawk hunt in the area and there is an active nest located approximately 4.0 miles south of the site in Section 20, T5S, R3W, USB&M.

5. Non-Game Wildlife- Animal species which have been observed using this area are black tail jack rabbit, coyote, fox, badger, and various species of reptiles, and song birds.

6. Threatened & Endangered Species: No T&E species are reported using the area of this project.

4.2 PRESENT SITE USE

A. USAGE

	<u>acres</u>
Rangeland	2.61
Irrigable land	0
Woodland	0
Non-Irrigable land	2.61
Commercial timber	0
Floodplain	0
Wetland	0
Riparian	0
Other:	0

4.3 CULTURAL RESOURCES

A. CULTURAL SURVEY

Cultural Resource Surveys were performed by James A. Truesdale, an Independent Archaeologist. No archaeological sites were found within the project area.

5.0 ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS

	<u>acres</u>
1. Access road	0.00
2. Well site	1.43
3. Pipeline right-of-way	0.00
4. Corridor right-of-way	1.18
5. Total area disturbed	2.61

B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year: 0.17
2. Permanent scar on landscape: Yes x No
3. Potential impacts to Threatened & Endangered species:
Yes No X

C. SOIL/RANGE/WATERSHED

There will be an increase in soil erosion from wind and water. There will not be any point source of water pollution.

There are no wetlands or riparian areas which will be affected by this project.

The area is presently used as rangeland. This project will reduce livestock grazing by approximately 0.17 AUM/year. The land surface is in fee ownership. It is grazed by sheep and cattle. Dust from wellsite construction and travel along access roads may cause dust to settle on vegetation. The dust collecting on plant surfaces may adversely affect the grazing of the area adjacent to the access roads by livestock and wildlife.

Because of additional oilfield activity there will be an increase in traffic using the area. The increased traffic may disturb livestock or result in larger numbers of livestock injury or death from vehicle accidents.

The area is not used as irrigated cropland and a water right has not been designated for the area.

Reserve pits will be constructed on each wellsite. These pits contain bentonite clay, barite, cellulose, well cuttings, by-products from hydrocarbons, and other additives which have been approved by the Environmental

Protection Agency for drilling oil & gas wells. Within 90 days after the completion of the well the reserve pits are normally filled in and contoured to blend into the approximate elevation of the soil surface.

Small disposal pits may also be used after the well starts into production. These pits may be used to dispose of up to 5.0 barrels of produced water per day. Produced water contains high concentrations of salt, hydrocarbons, etc. Also trash and other foreign material may be disposed of in these pits.

Construction of the wellsite and access roads and pipelines often require deep cuts and fills, and often large amounts of rocks are exposed to the soil surface. When the wellsite is re-contoured and rehabilitated and revegetated, there will normally be a scar left on the soil surface which can may be visible to people using the area.

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

There will be a small reduction of wildlife habitat and grazing for livestock. There will also be an increase in wildlife disturbance and poaching resulting from the additional traffic and people using the area.

There are no known impacts to Threatened or Endangered species but is important habitat for the Ferruginous hawk. The area is important winter range for big game.

Ferruginous Hawks use this area for nesting and hunting. There is an nest in Section 20.

6.0 MITIGATION STIPULATIONS

Because the area is owned by a private individual the company will comply with the private land owners request on all mitigative measures.

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

None of the adverse impacts listed in 5.0 above can be avoided in a practical manner except those which are mitigated in item 6.0 above and those specified in BLM's 13 point surface use plan.

B. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT VS: LONG TERM PRODUCTIVITY.

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated

environmental impacts will continue to influence the surrounding area for the productive life of the well.

2. Long Term: Standard policies provide for rehabilitation of wellsite and rights-of-ways. After the land is rehabilitated, it is not expected to return to its original productive capability. Normally, there will be a permanent scar left on the landscape.

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

Oil and Gas are non-renewable resources, once they have been removed they can never be replaced.

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 8-20-97, the proposed location in the following areas of environmental impacts has been cleared:

<u> X </u>	Yes	<u> </u>	No	Listed Threatened & Endangered species
<u> X </u>	Yes	<u> </u>	No	Critical wildlife habitat
<u> X </u>	Yes	<u> </u>	No	Historical and cultural resources
<u> X </u>	Yes	<u> </u>	No	Floodplain
<u> X </u>	Yes	<u> </u>	No	Wetlands

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

We recommend approval of the proposed action as outlined in item 1.0 above.

8-21-97

Date

Dale S. Hanberg
Representative - BIA Land
Operations, Uintah and Ouray
Agency

12.0 DECLARATION

A. APPROVAL

It has been determined that the proposed action is not a federal action significantly affecting the quality of the environment as it would require the preparation of an environmental impact statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (C).

8/21/97

Date

[Signature]
Superintendent,
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

Dale Hanberg- BIA
Ed Trotter-Petroglyphs
Lonnie Nephi-UTEM
Greg Darlington-BLM

B:\EAPet315.MD3

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 33-15-D3

API Number: 43-013-31937

Lease Number: 14-20-H62-4736

Location: Lot 2 (SWSE) Sec. 33 T.4S R. 3W

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 386 ft. or by setting surface casing to 400 ft. and having a cement top for the production casing at least 200 ft. above shallowest potential productive zone. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 781-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE CONDITIONS OF APPROVAL

The Bureau of Indian Affairs Site Specific Environmental Analysis states that:

"The area is owned by a private individual. Petroglyph will comply with the private landowner's request on all mitigative measures."

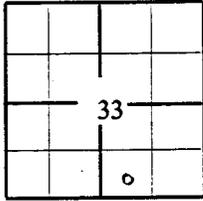
(Elmer R. Moon and Arwella P. Moon)---Wellpad and part of the access

(Orven J. and Delphia N. Moon)---rest of the new access road

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sec. 33
T. 4S
R. 3W
USB & Mer.



INDIVIDUAL WELL RECORD

Date September 16, 1997

INDIAN

State Utah

Lease No. 14-20-H62-4736

County Duchesne

Lessee _____

Field Antelope Creek

Operator Petroglyph Operating Co. Inc.

Unit/CA Antelope Creek Sec. Rec. 14-20-H62-4650

Well Name & No. Ute Tribal 33-15-D3

District Vernal

A.P.I. Well No. 43-013-31937

Subdivision Lot 2

Location 597' FSL & 1818' FEL

Date Drilling Approved September 12, 1997 Well Elevation 5871.8 Graded Ground Feet

Date Drilling Commenced _____ Total Depth _____ Feet

Date Drilling Ceased _____ Initial Production _____

Date Completed For Production _____ Gravity A.P.I. _____

Date Abandonment Approved (Final) _____ Initial Reservoir Pressure _____

GEOLOGIC FORMATIONS

PRODUCTIVE HORIZONS

SURFACE LOWEST TESTED

NAME DEPTHS CONTENTS

Uinta

SURFACE MANAGEMENT AGENCY Private

MINERAL OWNERSHIP Indian

LEASE EXPIRATION HBP

WELL STATUS

YEAR	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.

First Production Memorandum _____ Lease Extension Memorandum _____ Confirmation _____

Remarks _____

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 33-15-D3

Api No. 43-013-31937

Section: 33 Township: 4S Range: 3W County: DUCHESNE

Drilling Contractor: _____

Rig # _____

SPUDDED:

Date: 10/4/97

Time: 3:00 PM

How: DRY HOLE

Drilling will commence: _____

Reported by: CHUCK WHITE

Telephone NO.: _____

Date: 10/8/97 Signed: JLT

↓

(1)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

OPERATOR: PETROGLYPH OPERATING CO COMPANY REP: CHUCK WHITE

WELL NAME UTE TRIBAL #33-15D3W API NO 43-013-31937

QTR/QTR: SW/SE SECTION: 33 TWP: 4S RANGE: 3W

CONTRACTOR: UNION DRILLING COMPANY RIG NUMBER: #16

INSPECTOR: DENNIS L INGRAM TIME: 2:40 P.M. DATE: 10/6/97

SPUD DATE: DRY: 10/4/97 ROTARY: 10/4/97 PROJECTED T.D.: 6522'

OPERATIONS AT TIME OF VISIT: DRILLING AHEAD AT 1833 FEET.

WELL SIGN: N MUD WEIGHT 8.3+ LBS/GAL BOPE: Y

BLOOIE LINE: Y FLARE PIT: N H2S POTENTIAL: N

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: _____ BENTONITE: _____ SANITATION: (2)

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: YES,

REMARKS:

(LAST HOLE WAS UT #15-05). FEE SURFACE; TRIBAL MINERALS. CAN
SEE ANOTHER LOCATION BEING BUILT TO THE WEST OF HERE. PROPERTY
BELONGS TO ELMER R. MOON. SURVEYS SHOW 3/4 DEGREES AT 495';
1 DEGREES AT 1045'; and 1 1/2 DEGREES AT 1565'. BLOW TEST WAS
DONE AT 1320 FEET, AND HAD 1/16 BY 7" OR 1/2 GALLON PER MINUTE
OF WATER. NO WELL SIGN POSTED (NEVER IS)!

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 33-15D3
 API number: 43-013-31937
2. Well Location: QQ _____ Section 33 Township 4S Range 3W County Duchesne
3. Well operator: PETROGLYPH Operating Company, Inc.
 Address: P.O. Box 1007
Roosevelt, UT 84066 Phone: (435) 722-2531
4. Drilling contractor: Union Drilling
 Address: Drawer 40
Buckhannon W. VA 26201 Phone: (304) 472-4610
5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
<u>0</u>	<u>938</u>	<u>Damp @ 938'</u>	<u>NO CONC w/out SOAP Pond</u>
	<u>1320</u>	<u>Blow Test</u>	<u>1/2" x 7 stream 1/2 gal 5 min</u>
	<u>2875</u>	<u>1/2" x 7"</u>	

6. Formation tops: _____

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

I hereby certify that this report is true and complete to the best of my knowledge. Date: 10-8-97

Name & Signature: Lisha Cordova Title: DRILLER

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 33-15D3

API number: 43-013-31937

2. Well Location: QQ Lot 2 Section 33 Township 4S Range 3W County Duchesne

3. Well operator: PETROGLYPH Operating Company, Inc.

Address: P.O. Box 1007

Roosevelt, UT 84066

Phone: 435-722-2531

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckhannon W. VA 26201

Phone: 304-472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	938	Damp @ 938'	NO CONC without SOAP Pump
	1320	Blow Test	1/4 x 7 stream legal 6m
	2875	1/2" x 7"	

6. Formation tops: _____

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

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

Date: 10-8-97

Name & Signature: [Signature]

Title: DRILLER

RECEIVED JAN 09 1998

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-4736

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1.a. TYPE OF WELL: Oil Well Gas Well Dry Other

7. UNIT AGREEMENT NAME

b. TYPE OF COMPLETION: New Well Workover Deepen Plug Back Diff. Reserv. Other

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
PETROGLYPH OPERATING COMPANY, INC.

9. WELL NO.
Ute Tribal 33-15D3

3. ADDRESS OF OPERATOR
P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 597' FSL 1818' FEL

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec. 33-T4S-R3W

CONFIDENTIAL
PERIOD
EXPIRED
1-2-99

At top prod. interval reported below

At total depth 6522' RTD

CONFIDENTIAL

14. PERMIT NO.
43-013-31937

DATE ISSUED
9/15/97

12. County or Parish
Duchesne

13. State
Utah

15. DATE SPURRED 10/4/97

16. DATE T.D. REACHED 10/11/97

17. DATE COMPLETED (Ready to prod.)
12/2/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
5882'

19. ELEV. CASINGHEAD
5872'

20. TOTAL DEPTH, MD & TVD
6522'

21. PLUG BACK T.D., MD & TVD
6426' PBTD

22. IF MULTIPLE COMPL., HOW MANY*
#

23. INTERVALS DRILLED BY
ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)*
Green River B6.3, B7, B8, B10, C5.2, C5.3, C6., C8.1, D3.2, D7.1, D7.2, D7.2.1

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Compensated Neutron Litho Density w/ Gamma Ray, AIT, FMI

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	431'	12-1/4"	275 sxs Type 5	
5-1/2"	15.5	6470'	7-7/8"	328 sxs Highfill	
				365 sxs Thixotropic	

29. LINER RECORD

SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5686'	

31. PERFORATION RECORD (Interval, size and number)
CONFIDENTIAL

cont'd

D7-21 5580-86' (24 holes)	C6 4980-85' (20 holes)
D7.2 5529-35' (16 holes)	C5.3 4903-09' (24 holes)
D7.1 5449-55' (24 holes)	C5.2 4874-76' (8 holes)
D3.2 5274-80' (24 holes)	B10 4550-54' (24 holes)
C8.1 5044-50' (24 holes)	B8 4478-82' (16 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5580-86'	8037 gal Boragel, 42200# 20/40 prop
5529-35'	13200 gal Boragel, 77000# 20/40 prop
5449-55'	7550 gal Boragel, 41700# 16/30 prop
5274-80'	7913 gal Boragel, 43000# 20/40 prop
5044-50'	7667 gal Boragel, 42000# 20/40 prop cont'd

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)					
12/7/97	2-1/2" x 1-3/4" x 16' 40 ring PA RHAC pump	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
12/13/97	24			40	0	192	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	1500						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold, Used for Fuel

TEST WITNESSED BY
Dave Schreiner

35. LIST OF ATTACHMENTS

CONFIDENTIAL

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Signed

Deanna Bell

Title Operations Coordinator

Date

1-15-98

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

WELL COMPLETION

UTE TRIBAL 33-15D3 CONTINUED

31. 

B7 4433-37' (16 holes)

B6.3 4391-94' (12 holes)

32.

4980-82'	6300 gal Boragel, 28100# 20/40 prop
4903-09' & 4574-74'	10671 gal Boragel, 62500# 20/40 prop
4550-54'	6000 gal Boragel, 28000# 20/40 prop
4478-82'	4574 gal Boragel, 18000# 20/40 prop
4433-37'	5727 gal Boragel, 28000# 20/40 prop
4391-94'	6950 gal Boragel, 32300# 20/40 prop

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):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ute Tribal 33-13D3						
B Marker	4140					
X Marker	4636					
Y Marker	4668					
Douglas Creek	4780					
B Limestone	5167					
Castle Peak	5769					
Basal Carbonate	6150					

CONFIDENTIAL