

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS  WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

921203 Coors to Emerson et al 9-1-92.  
 7-12-94 EVERSON to Petroglyph Eff 2-1-94  
 941101 COMMENCED INJECTION 9-28-94

DATE FILED **3-1-91**

LAND: FEE &amp; PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN **14-20-H62-3507**DRILLING APPROVED: **3-25-91 (EXCEPTION LOCATION)**SPUDDED IN: **7-19-91**COMPLETED: **11-3-91 POW** PUT TO PRODUCING: **9-27-91**INITIAL PRODUCTION: **10 BOPD, 16 MCF, 7 BWPD**GRAVITY A.P.I. **40±**GOR: **1600:1**PRODUCING ZONES: **5086-5117 (GREEN RIVER)**TOTAL DEPTH: **6354'**WELL ELEVATION: **5892 GL, 5905 KB**

DATE ABANDONED:

FIELD: **ANTELOPE CREEK**

UNIT:

COUNTY: **DUCHESNE**WELL NO. **UTE TRIBAL 5-8**API NO. **43-013-31307**LOCATION **1550' FNL** FT. FROM (N) (S) LINE.**1550' FWL**

FT. FROM (E) (W) LINE.

**SENW****1/4 - 1/4 SEC.****8**

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaita Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
<b>Upper Douglas Creek</b>	Burro Canyon	Rico (Goodridge)	Aneth
<b>Base "B" Line</b>	4858' Cedar Mountain	Supai	Simonson Dolomite
<b>TD:</b>	6354' Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafeal Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



February 25, 1991

State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Attn: Mr. Ron Firth

Dear Mr. Firth:

For your approval, we have enclosed a copy of an  
Application to Drill the following well:

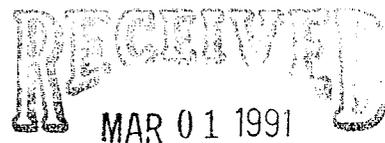
Ute Tribal 5-8  
Section 8, T5S-R3W  
Duchesne County, Utah

We have also sent copies to the BIA, Ute Tribal Hdqtrs and  
the BLM in Vernal, Utah. Let us know if you find you have  
any questions or will require more information regarding  
these Applications. Thank you.

Very truly yours,

Doug S. Sprague  
Manager  
Engineering & Operations

DSS:kr  
Attachments



DIVISION OF  
OIL, GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1. Type of Work  
 DRILL       DEEPEN       PLUG BACK

2. Type of Well  
 Oil Well       Gas Well       Other       Single Zone       Multiple Zone

3. Name of Operator  
Coors Energy Company

4. Address of Operator  
PO Box 467, Golden, Colorado 80402

5. Location of Well (Report location clearly and in accordance with any State requirements.)  
 At surface: 1550' FNL, 1550' FWL, SE/NW  
 At proposed prod. zone: same

6. Distance in miles and direction from nearest town or post office\*  
approximately 7 miles south of Bridgeland

7. Distance from proposed location\* to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 1550'

8. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft. 1035'

9. Elevations (Show whether DF, RT, GR, etc.)  
5892' GL

10. Lense Designation and Serial No.  
14-20-H62-3507

11. If Indian, Allottee or Tribe Name  
Ute Tribe

12. Unit Agreement Name  
 -----

13. Farm or Lense Name  
Ute Tribal

14. Well No.  
5-8

15. Field and Pool, or Wildcat  
Antelope Creek (160)

16. Sec., T., R., M., or Blk. and Survey or Area  
Sec. 8, T5S-R3W

17. County or Parish  
Duchesne

18. State  
Utah

19. No. of acres in lease  
640

20. No. of acres assigned to this well  
 -----

21. Proposed depth  
6350' GRRV

22. Rotary or cable tools  
rotary

23. Approx. date work will start\*  
May, 1991

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24.00#/ft.	400'	300 sks.
7-7/8"	5-1/2"	15.50#/ft.	6350'	1200 sks.

See attached Drilling Program and Multipoint Use Plan for details.

**RECEIVED**  
MAR 01 1991

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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. I hereby certify that this report is true and complete to the best of my knowledge.  
 Signed: D. S. Sprague Title: Manager Engineering/Operations Date: 2-22-91

(This space for Federal or State office use)  
 API NO. 43-013-31307

Approval Date \_\_\_\_\_  
 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 DATE: 3-25-91  
 BY: Matthew  
 WELL SPACING: 615-3-3

\*See Instructions On Reverse Side

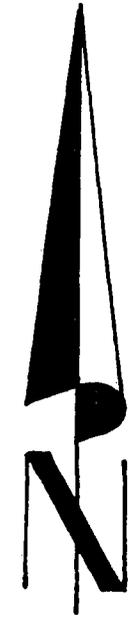
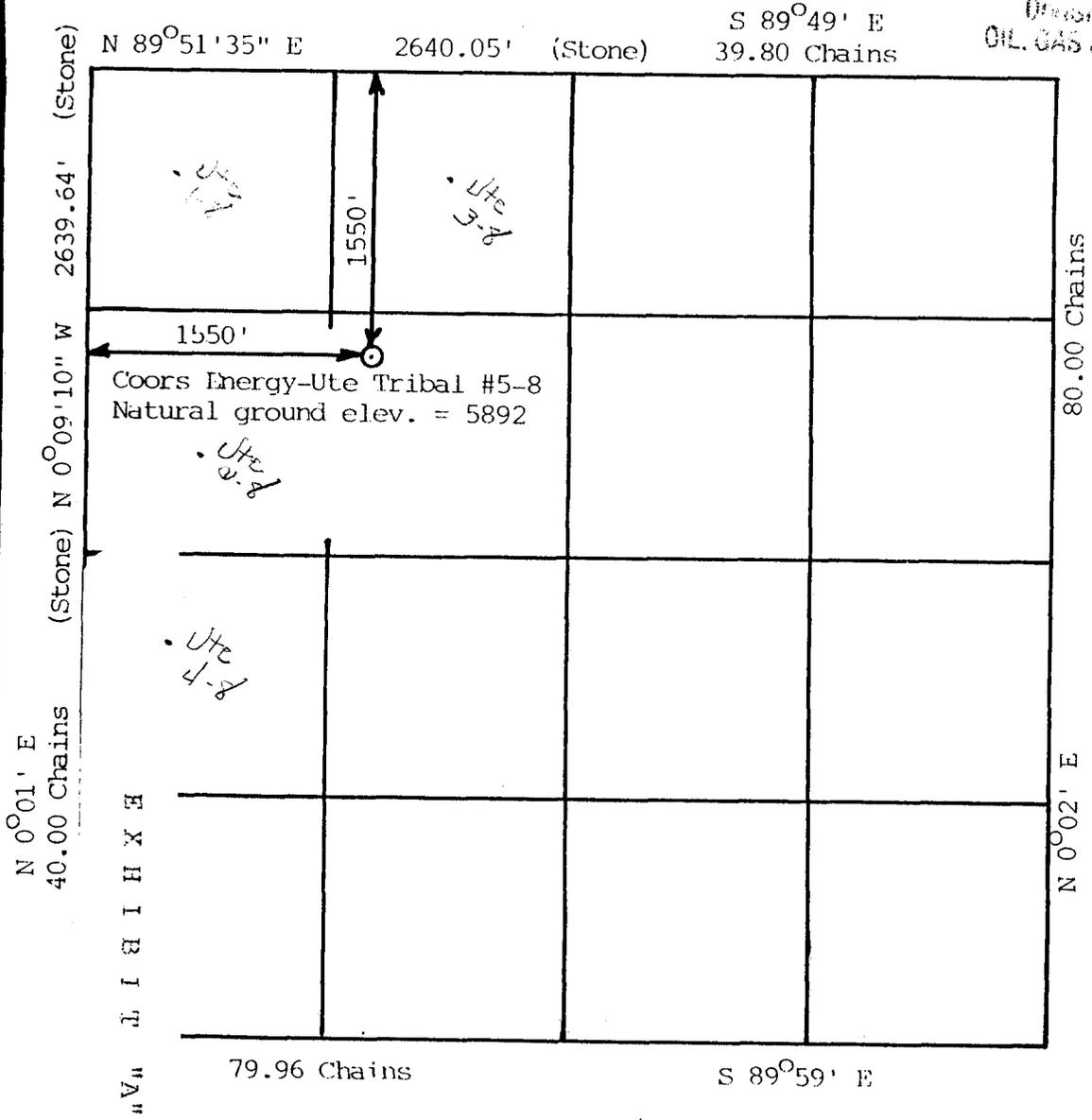
SECTION 8  
 TOWNSHIP 5 SOUTH, RANGE 3 WEST  
 UINIAH SPECIAL BASE AND MERIDIAN  
 DUCHESNE COUNTY, UTAH

RECEIVED  
 MAR 01 1991

COORS ENERGY CO.

WELL LOCATION: S.E. 1/4, N.W. 1/4

OIL, GAS & MINING



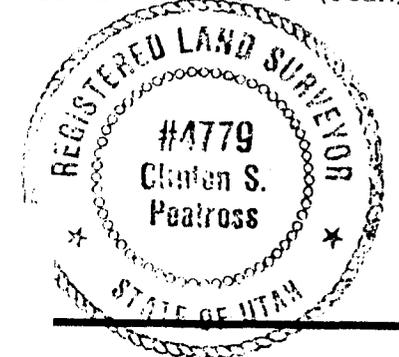
SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the state of Utah, and that I have made a survey of the oil well location, shown on this plat.

1/14/91  
 Date

Clinton S. Peatross  
 Clinton S. Peatross  
 License No. 4779 (Utah)



Section data obtained from G.L.O. plats.  
 Job #489

EXHIBIT "A"

MULTIPOINT SURFACE USE PLAN  
COORS ENERGY COMPANY  
UTE TRIBAL 5-8  
SECTION 8, T5S-R3W, SE/NW  
DUCHESNE COUNTY, UTAH

RECEIVED  
MAR 01 1991  
DIVISION OF  
OIL, GAS & MINING

Coors Energy Company will assure that this APD will be provided to the dirt contractor and will also be posted in the doghouse of the drilling rig during the drilling of this well. A sign will be posted at the entrance to the location with the name of the well, operator and location description. We will notify the BLM in Vernal, Utah between 24 and 48 hours prior to beginning any dirt work on this land and prior to moving in the drilling rig.

1. EXISTING ROADS - See Exhibits "C" and "C-1"

Access to the Coors Ute Tribal 5-8 begins at the City of Roosevelt, Utah, and proceeds along the following roads with approximate mileages as follows:

Proceed westerly out of Roosevelt on Highway 40 for approximately 17.3 miles to the Antelope Canyon County Road, an improved dirt road to the south, proceed southerly along said improved County Road approx. 6.2 miles to a junction, then onto an existing unimproved dirt road to the southeast; proceed southeasterly along this road for approx. 1.6 miles to the proposed access road to the east.

Materials for upgrading the existing road will come from the immediate area of road improvement work.

Upgraded existing roads will be constructed with an 18' road surface with bar ditches and water bars where required. Not over 30' will be cleared to upgrade any existing roads.

2. PLANNED ACCESS ROAD - See Exhibits "C" and "C-1"

The new access road will be approximately 575' in length and will have a 30' ROW with an 18' running surface maximum. The maximum grade will be 4% and, no turnouts are required. Borrow ditches will be used for drainage. No culverts or bridges are required nor are gates, turnouts, cattle guards or fence cuts. Source of surfacing material will be from the access road soils and subsoils. All travel will be confined to existing access road right-of-ways. The access road surface owner is the Ute Tribe.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, 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 crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff 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.

Access roads and surface disturbing activities will conform to standards outlined in the BLM & Forest Service Publication (1989) - Surface Operating Standards for Oil and Gas Development.

3. LOCATION OF EXISTING WELLS - See Exhibit D

Within a 1-mile radius of this proposed well, there are 13 producing wells:

Ute Tribals 2-6, 1-6, 2-5, 3-5E3, 4-4, 1-8, 2-8, 3-8, 4-8, 1-7, 2-7, 3-7, 1-18, 1-17.

There is one P&A'd well:

Amerada B-1

With the exception of the above mentioned wells, there are no:

- a) known water wells
- b) temporarily abandoned wells
- c) disposal wells
- d) injection wells
- e) monitoring or observation wells

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES -  
See Exhibit B

Coors Energy Company's surface production facilities in this area will consist of a pump jack and a glycol boiler. Any production from this well will be commingled with the Ute Tribal 1-8 tank battery. A 3" production flow line will be laid paralleling the access roads to the Ute Tribal 1-8 tank battery. If the well is a producer, at the time of well completion, a Sundry Notice along with a drawing of the pad site and production facilities will be submitted to the BLM by our Vernal office for approval.

All production facilities will be located on the east side of the well pad and will be painted in an earth color - Desert Brown, 10YR6/3, unless specified differently by the Surface Owner, within six (6) months of when they are put in place.

For drilling operations, a survey map showing rig layout is attached, See Exhibit "B". All necessary surface equipment will be spotted on the 260 x 355' well site pad. Access to the well pad will be on the southwest corner of the location between Pts 1 and 8.

5. LOCATION AND TYPE OF WATER SUPPLY

The source of the water used to drill this well will be from Antelope Creek. Approximately 6000 bbls of water will be required to drill and complete this well. We have applied for the water permit and a copy will be sent to you upon receipt to add to this Application.

6. SOURCE OF CONSTRUCTION MATERIALS - See Exhibit B

The top 6" of topsoil will be removed from the well pad and stored on the south end of the location between Pts 7 and 8 and as shown on Exhibit "B". Fill materials needed to construct the location will be derived locally from cuts needed to build the well pad or from the access road.

If additional fill materials are needed to construct roads or well sites, proper permits will be obtained from the Surface Management Agency, unless materials are obtained from a private source.

7. METHODS FOR HANDLING WASTE DISPOSAL

Mud reserve pits will be located on the north side of the location between points 7 and 8 and will be constructed for containment of drill cuttings as well as all drilling fluids and produced fluids.

Produced waste water will be confined to a plastic lined pit. The plastic will be a minimum of 10 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. The reserve pit will be constructed so as not to leak, break, or allow discharge of liquids.

After first production, produced waste water will be confined to the lined pit for a period not to exceed 90 days after first production. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

When the reserve pit is abandoned, it will be allowed to dry and then back-filled and the area restored according to BLM requirements.

All garbage and trash will be placed in a trash cage and hauled to an appropriate disposal site. No burning of any trash will occur at the location. Trash, litter and construction materials will not be littered along road ways or drilling sites. A chemical toilet will be installed during drilling operations. Any disturbed area not required for producing operations will be restored according to BLM instructions.

#### 8. ANCILLARY FACILITIES

Camp facilities or airstrips will not be required.

#### 9. WELL SITE LAYOUT - See Exhibit B

Attached is a diagram showing the proposed well site layout spotting the location of the reserve pit, flare pit, pipe racks, rig location, mud tanks, topsoil stockpile, access road, etc.

As can be seen on the Well Site Layout Drawing, the reserve pit will be located on the north side between Points 2 and 3, the flare pit will be located downwind of the prevailing wind direction on the north side of the rig, a minimum of 100 feet from the wellhead and a minimum of 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the south side between Points 7 and 8. Access to the well pad will be from the west side between Points 8 and 1. The drainage will be diverted around the east side of the well pad location.

All pits will be fenced with a minimum of 30" net wire mesh fence and topped with at least one strand of barbed wire. The net wire shall be no more than 2" above the ground. The barbed wire shall be 3" above the net wire. Total height of the fence shall be at least 42". Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times. 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'. 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 three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RESTORATION OF SURFACE - See Exhibit B

Surface vegetation scraped off during drill site preparation will be removed and stock-piled prior to topsoil removal. Upon abandonment, vegetation will be redistributed as a mulching agent over the well site. All disturbed areas will be recontoured to the approximate natural contours.

The original surface will be reconstructed as close as possible upon abandonment. The stock-piled topsoil will be spread over the area. Any solid waste material present prior to abandonment will be removed from the location. Any harmful liquids will be removed by a pump truck to an approved disposal area.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all trash will be removed.

The topsoil will be tested to determine if fertilizer is needed to re-establish vegetation. After spreading the stock-piled topsoil, the following seed mixture, if acceptable to the Ute Tribe, will be used for reseeding:

Smooth brome (Manchar)	5 lbs. pure live seed/acre
Orchard grass	5 lbs. pure live seed/acre
Timothy	5 lbs. pure live seed/acre
Intermediate wheat grass	5 lbs. pure live seed/acre
Alsike clover	1 lb. pure live seed/acre

Coors will notify the Surface Owner, Ute Tribe, 48 hours prior to starting rehabilitation procedures.

If this well should have to be plugged and abandoned, Coors Energy Company will submit a subsequent report of abandonment to the BLM.

If the well is abandoned the access road will be blocked during restoration and prior to reseeding, all disturbed areas including the access road, will be scarified and left with a rough surface.

The abandoned well site, roads or other disturbed areas will be restored to near their original condition including, if applicable, the reestablishment or irrigation systems, soil conditions in irrigated fields to ensure cultivation and harvesting of crops and the revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

#### 11. SURFACE OWNERSHIP

The Ute Tribe has 100% surface ownership of the location of the Ute Tribal 5-8 well site.

#### 12. OTHER INFORMATION - See Exhibit "E"

The Ute Tribal 5-8 is located approximately 7 miles south of Bridgeland on the Uintah and Ouray Indian Reservation. The area is covered with native sagebrush.

Coors Energy Company will inform all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archeological materials are uncovered during construction, the work that might disturb such materials will stop and the authorized AO will be notified. It is understood that within 5 working days, the AO will inform Coors Energy of the action to take regarding the historical site.

Coors Energy Company contacted Mr. Dale Workman at the Utah State University Extension Office at (801) 738-2080 regarding weed control on the well site and along access roads. We were informed that the following weeds are prevalent to this area: Nap Weed, White Top, Quack Grass, Canadian Thistle, Musk Thistle, Leafy Spurge, and Morning Glory. We will follow their recommended procedure and spray with the suggested chemicals to control noxious weeds in these areas.

Drilling rigs and/or equipment will not be stacked or stored on this location after the conclusion of drilling operations without BLM authorization.

Coors Energy Company, nor our subcontractors, anticipates the gathering of firewood or disturbance of saleable timber along roadways. If wood cutting is necessary, however, we will obtain a permit from the Forestry Department of the BIA.

Since this well is on the Uintah and Ouray Indian Reservation, Coors will work closely with Ute Tribal representatives to ensure all Tribal requirements for drilling and production operations of this well are followed. See Exhibit "E", Ute Tribal Notice, stating their requirement when traversing or operating on Ute Indian Lands.

It is Coors Energy Company's policy that no Coors' employees nor subcontractors carry firearms on access roads nor onto the location during drilling or well completion operations of this well. No alcoholic beverages or drugs will be permitted on Coors' operations on Indian lands. No prospecting will be allowed on Coors' operations.

No ROW's will be required to access this well site. Access roads constructed will be clearly marked with signs and shall be of sound construction. The signs shall state that the land is owned by the Ute Indian Tribe, the name of the operator, that firearms are prohibited, that permits must be obtained from the BIA before the cutting of any timber or firewood, and that only authorized personnel are permitted.

The well site location will also have an appropriate sign indicating our name, the lease serial number, the well name and well legal description.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION  
REPRESENTATIVE

Doug Sprague  
Manager, Engineering  
and/Operations  
Coors Energy Company  
P.O. Box 467  
Golden, Colorado 80402  
Phone: (303) 278-7030

Jim Simonton  
Superintendent  
Roosevelt Field Office  
Coors Energy Company  
P.O. Box 460  
Roosevelt, Utah 84066  
Phone: (801) 722-9977

CERTIFICATION

See Exhibit "F"

/kr

DRILLING PROGRAM

Ute Tribal 5-8  
Section 8, T5S-R3W, SE/NW  
Duchesne County, Utah  
Lease No. 14-20-H62-3507

RECEIVED

MAR 01 1991

DIVISION OF  
OIL, GAS & MINING

Approval of this application does not warrant or certify that Coors Energy holds legal or equitable title to those rights in the subject lease which would entitle Coors Energy to conduct operations thereon.

All lease operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR Part 3160), Onshore Oil and Gas Orders, and the approved plan of operations. Coors Energy is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to Jim Simonton, Coors Energy Field Supervisor, to ensure compliance.

DRILLING PROGRAM

The duration of drilling operations for this well will be approximately 9 days.

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

This well will be spudded in the Uintah Formation. Oil and Gas is expected in the Green River Formation. No aquifers or other mineral zones are anticipated. The following formation tops and their estimated depths are expected to be encountered in the drilling of this well.

Tgrudc 4430', Base B Lime 4820', Castle Peak 5340', TD 6350'.

Fresh water is not anticipated. The Mahogany oil shale zone has been identified from + 2000'. These resources will be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 feet above the oil shale.

Coors Energy will report ALL water shows and water-bearing sands to Tim Ingwell of the BLM, Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, Coors Energy will submit samples to the BLM, Vernal, along with any water analyses conducted.

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected.

2. Pressure Control Equipment, See Exhibit "G"

Coors Energy's pressure control equipment will consist of 3000 psi double rams and an annular preventer. The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment specifications and testing procedures. See Exhibit "G" - Blowout Prevention Equipment (diagram on front side of exhibit) and the configuration drawing of 3M Choke Manifold Equipment on the backside of the Exhibit.

Ram preventers will be tested to stack working pressure when test plug is used to isolate BOP's, if not isolated BOP's will be tested to a minimum of 70% of the internal yield of the casing. Annular preventers will be tested to 50% of related working pressure. Pressures will be maintained at least 10 minutes.

Tests will be conducted when initially installed, following repairs and at 30-day intervals. Tests will be done prior to drilling out from under all casing strings cemented in place.

Rams will be operated each trip but is required no more than once a day and will be recorded on the daily drilling reports.

Well control equipment will also consist of a float run in the drill string, and a full opening valve to fit the drill string will be on the rig floor at all times. Kelly cock valves will be used.

No abnormal temperature, pressures or potential hazards are expected. Maximum expected BHP is 2500 psi.

Coors Energy will notify the Vernal District Office with sufficient lead time in order to have a BLM AO present to witness pressure testing.

3. Casing Program and Auxiliary Equipment

Coors Energy will use the following casing and cementing program for this well:

<u>SIZE OF HOLE</u>	<u>SIZE OF CASING</u>	<u>LBS/FOOT</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
12-1/4"	8-5/8"	24.00#/ft.	400'	300 sks.
7-7/8"	5-1/2"	15.50#/ft.	6350'	1200 sks.
				(Will be adjusted for hole wash out)

All casing is new with 8-round threads. All casing strings below conductor will be pressure tested to 0.22 psi per foot of setting depth or 1500 psi, whichever is greater, but not to exceed 70% of minimum internal yield.

Coors Energy will notify the Vernal District Office, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

#### 4. Mud Program and Circulating Medium

Surface hole will be drilled with air if spudded with rat hole rig or a gel-lime spud mud if drilled with rotary rig.

The proposed circulating medium below surface casing will be 2% KCL water with additives as needed to control mud properties and bottom hole pressures.

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.

Mud properties will be checked daily to ensure an adequate mud system is maintained.

#### 5. Coring, Logging and Testing Program

Coors Energy will send drilling and completion progress reports to the Vernal District Office on a timely basis.

Sidewall cores may be taken in potential pay zones. A Density Neutron log will be run from 3500' to TD. A Dual Laterolog will be run from TD to surface. Coors Energy reserves the right to change the logging program.

Any Drill Stem tests (DST) that may be run, shall be accomplished during daylight hours. 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.

A cement bond log (CBL), or some other means acceptable to the authorized officer, shall be utilized to determine the top of cement (TOC) for the intermediate and production casing.

Whether the well is completed as a dry hole or as a producer, a "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. Copies of electric logs, core descriptions and analyses will be filed with Form 3160-4. If any further information is requested, it will be submitted when requested by the authorized officer (AO).

## 6. Notifications of Operations

No locations 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.

Coors Energy will report the spud date orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

Coors Energy 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.

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 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

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.

Coors Energy shall submit a schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 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.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced by Coors Energy 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 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.

Pursuant to Onshore Oil and Gas Orders, Coors Energy has the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

#### 7. Other Information

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

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

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

A gas allocation meter will be located at the Ute 1-8 commingled battery. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and 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 the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

In addition, the use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

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

Sundry Notices (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."

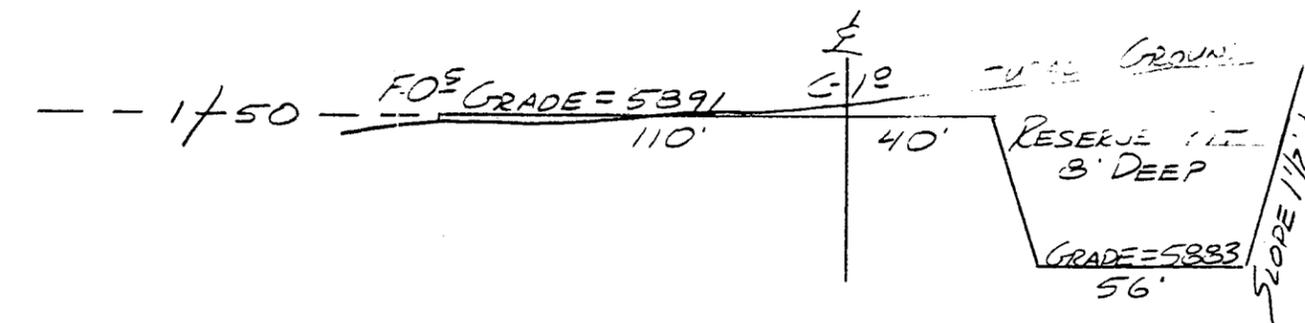
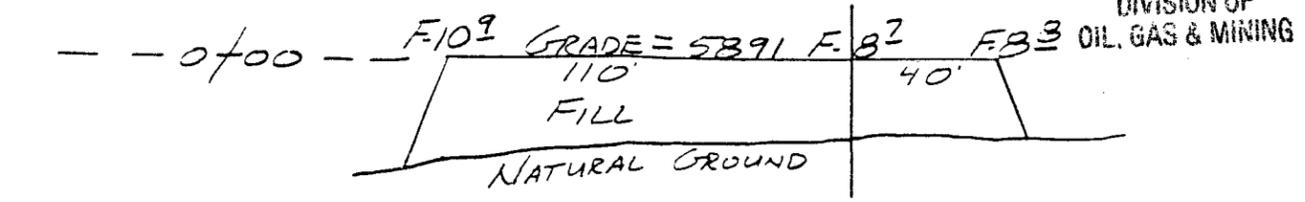
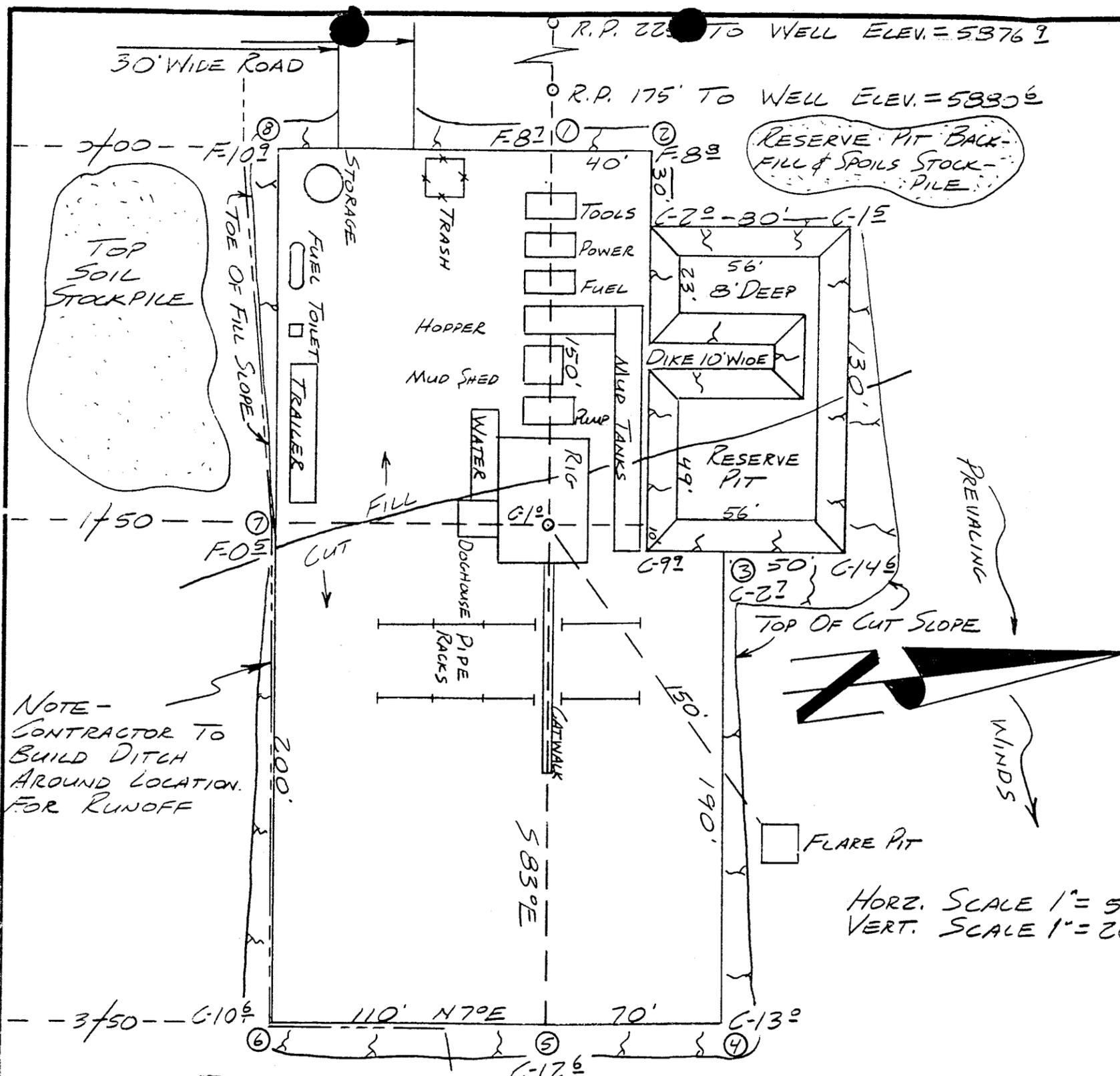
Coors Energy understands that the date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the 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.

If Coors Energy fails to comply with this requirement in the manner and time allowed, Coors Energy will 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 of Title 43 CFR 3162.4-1(b)(5)(ii).

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

/kr

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MAR 01 1991  
DIVISION OF OIL, GAS & MINING



COORS ENERGY-UTE TRIBAL #5-8  
SECTION 8, T.5S, R.3W, U.S.B.A.M.

HORZ. SCALE 1" = 50'  
VERT. SCALE 1" = 20'

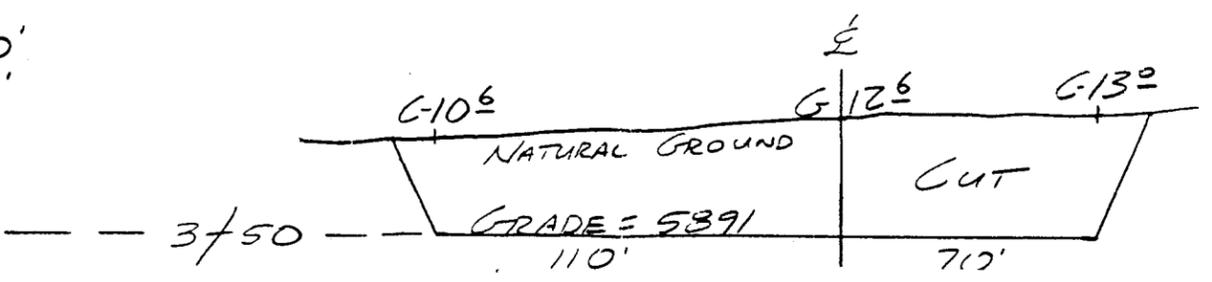
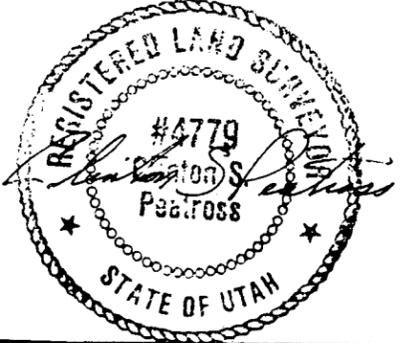


EXHIBIT "B"

APPROXIMATE YARDAGES -  
3730 CUBIC YARDS CUT ON PAD  
3970 CUBIC YARDS FILL ON PAD  
1700 CUBIC YARDS CUT ON PIT  
575 FEET OF NEW ROAD CON-  
STRUCTION 30 FEET WIDE.



1/21/91

PREPARED BY  
**PEATROSS LAND SURVEYS**  
REGISTERED LAND SURVEYORS  
P.O. BOX 271  
DUCHESNE, UTAH 84021  
(801) 738-2386

Job#489

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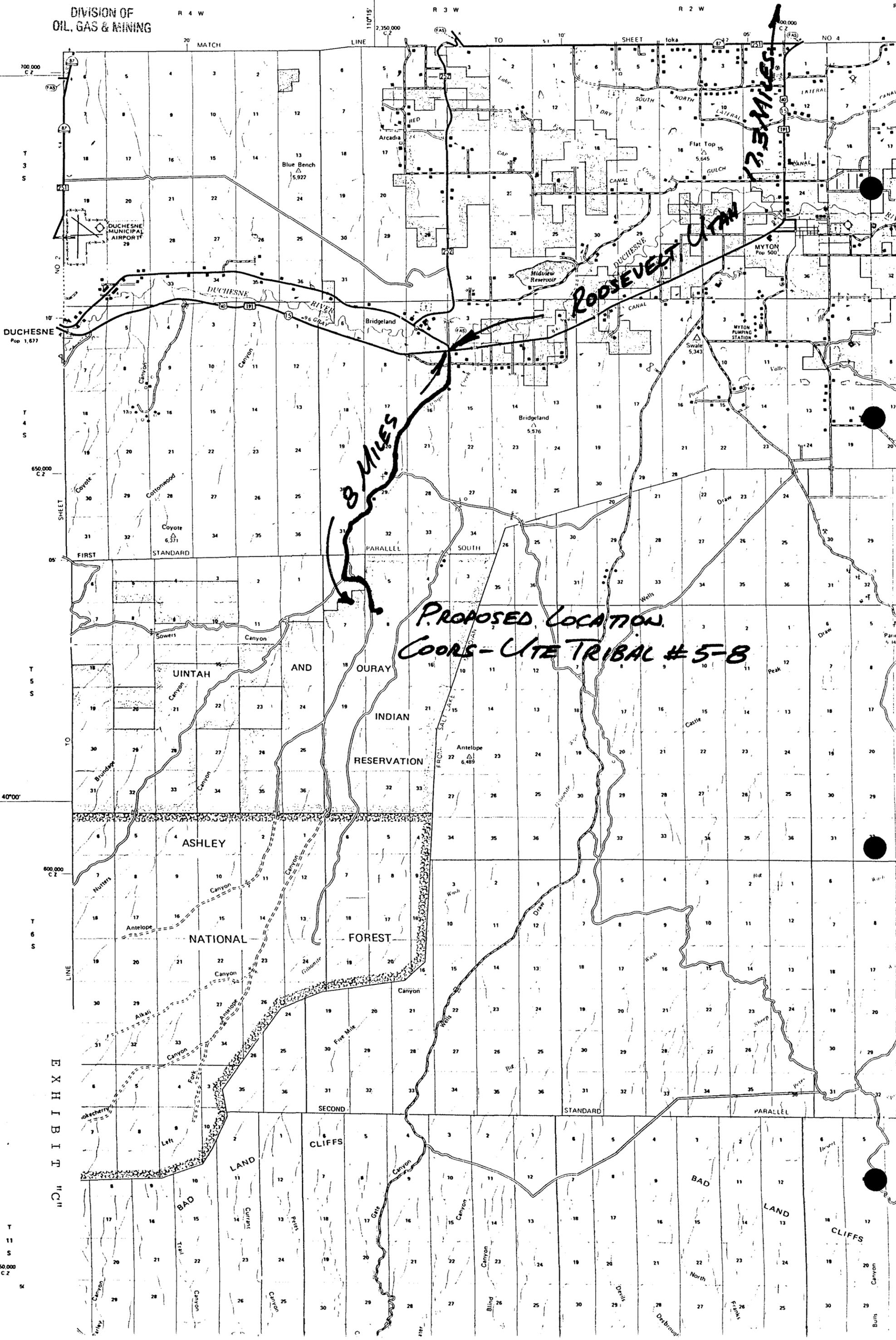


EXHIBIT C

PROPOSED LOCATION.  
COORS-UTE TRIBAL #5-8

8 MILES

17.5 MILES

ROOSEVELT UTAH

DUCHESNE  
Pop 1,677

0 100,000  
C.Z.

T 11 S

550,000  
C.Z.

40'00"

600,000  
C.Z.

T 5 S

650,000  
C.Z.

T 3 S

700,000  
C.Z.

15'

LINE

TO

TO

110'15"

2,350,000  
C.Z.

LINE

TO

R 3 W

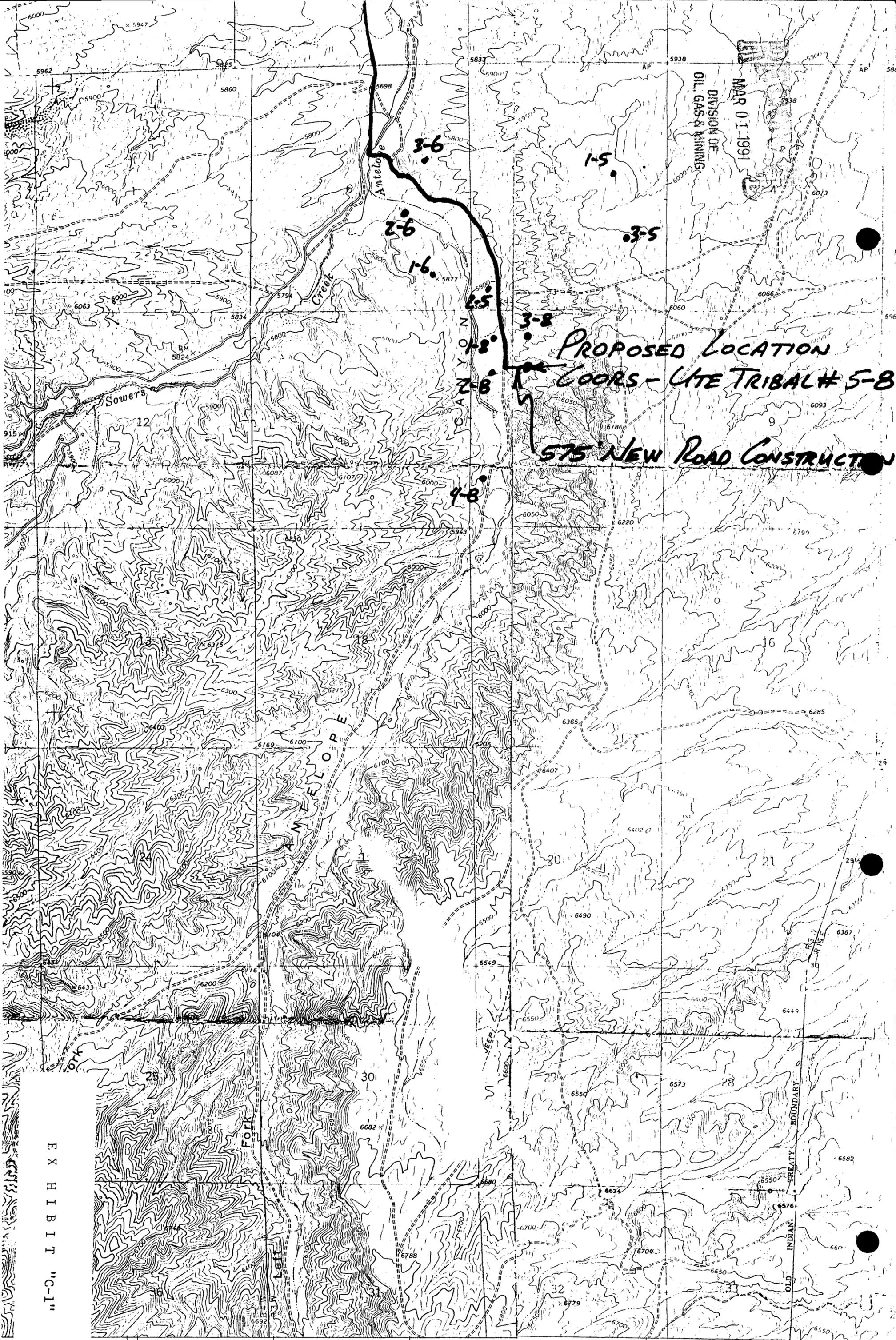
TO

R 2 W

TO

SHEET

NO 4



DIVISION OF  
OIL, GAS & MINING

MAR 01 1991

PROPOSED LOCATION  
COORS - UTE TRIBAL # 5-8

575' NEW ROAD CONSTRUCTION

EXHIBIT "C-1"

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DIVISION OF  
OIL, GAS & MINING

6

STATE 2-6

UTE TRIBAL 3-6

UTE TRIBAL 1-5

5

UTE TRIBAL 3-5-E3

UTE TRIBAL 2-

4

UTE TRIBAL 3-4

UTE TRIBAL 1-0  
UTE TRIBAL 2-5

UTE TRIBAL 1-4  
UTE TRIBAL 6-4

UTE TRIBAL 2-7  
UTE TRIBAL 3-8  
UTE TRIBAL 1-8

UTE T

ONE MILE RADIUS

UTE TRIBAL  
5-8

UTE TRIBAL 2-8  
UTE TRIBAL 2-8

UTE TRIBE B #1

7

8

9

UTE TRIBAL 4-8

UTE TRIBAL 1-7

UTE TRIBAL 4-

UTE TRIBAL 1-18  
UTE TRIBAL 4-18

UTE TRIBAL 1-17

UTE TRIBAL 2-18

18

17

16

UTE TRIBAL 5-18

5S 3W

UTE TRIBAL 2-16

UTE

UTE TRIBAL 1-20

WELLS WITHIN A ONE-MILE  
RADIUS OF THE  
UTE TRIBAL 5-8

UTE TRIBAL 2-20

20

21

EXHIBIT "D"



NOTICE

TO: All Well Operators, Lessees, Subcontractors, Vendors, and Affiliated Agents and Employees Thereof

When entering the Ute Reservation, the entering individual is coming into a sovereign nation separate and distinct from the State of Utah. As such, there are special requirements which must be complied with when traversing or operating on Ute Indian Lands.

1. Trespass permits shall be obtained and carried with individual on tribal lands at all times.
2. All operators, subcontractors, vendors, and their employees or agents shall not carry firearms or other weapons.
3. All operators, subcontractors, vendors, and their employees or agents are confined to established roads and well sites. All litter must be removed from Ute Lands.
4. All operators, subcontractors, vendors, and their employees or agents may not gather firewood on Indian lands. Absent a duly granted "wood permit," such gathering is a criminal offense punishable in Federal court.
5. If water or fill materials are needed in constructing roads, well sites, or are used in the drilling process, proper permits are needed. Required information for permits includes: a) the approximate amount of water or materials needed; b) the location and ownership of the water rights or materials to be used and; c) the approximate amount of water or materials to be used.
- 6) All artifacts found while on Tribal lands shall be left in place and the Tribe promptly notified of the find.
- 7) No prospecting will be allowed on Tribal lands.
- 8) No alcoholic beverages or drugs shall be permitted while working on the Reservation.

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MAR 01 1991

EXHIBIT "E"

DIVISION OF  
OIL, GAS & MINING



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DIVISION OF  
OIL, GAS & MINING

CERTIFICATION BY OPERATOR'S FIELD REPRESENTATIVE

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true, complete, and correct; and that the work associated with this plan will be carried on by Coors Energy Company, and its contractors and subcontractors, in conformity with the plan and the terms and conditions under which it is approved.

February 22, 1991  
Date

D.S. Sprague  
D.S. Sprague  
Manager  
Engineering and Operations

DSS:kr

E X H I B I T "F"

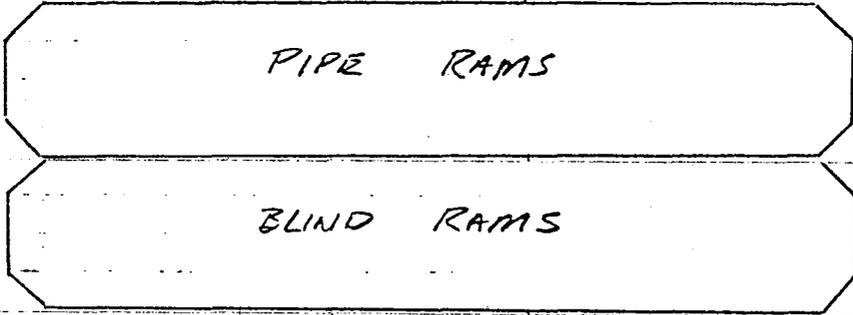
# BLOWOUT PREVENTION EQUIPMENT

3000 PSI W.P.

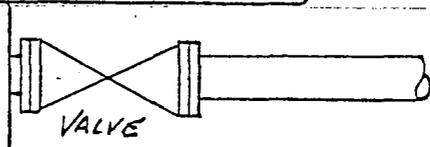
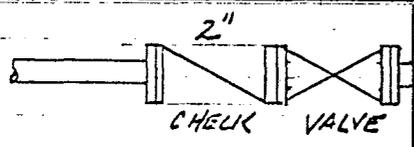
RECEIVED  
MAR 01 1991

OIL, GAS & MINING

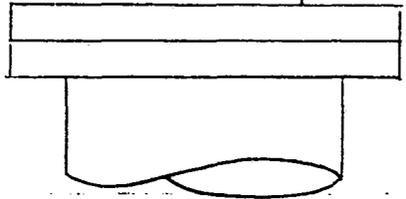
ANNULAR PREVENTER



2" KILL LINE



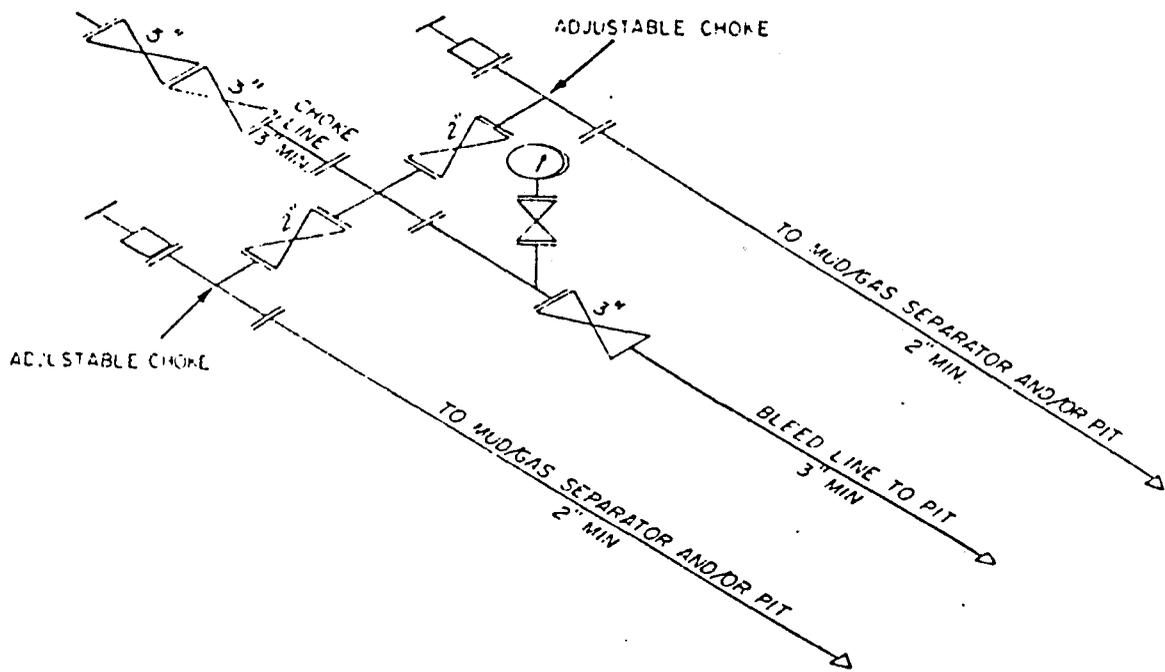
3" CHOKE LINE TO CHOKE MANIFOLD



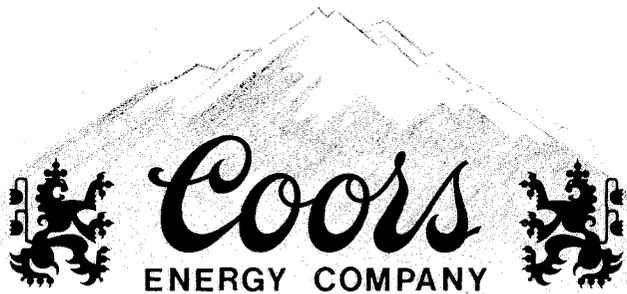
CASING HEAD

1. ANNULAR PREVENTER
2. DOUBLE RAM, PIPE AND BLIND RAMS WITH 2 SIDE OUTLETS FOR KILL AND CHOKER LINES, ALTERNATIVE WOULD BE TO USE DRILLING SPOOL WITH 2 SIDE OUTLETS.

42,381 50 SHEETS 5 SQUARE  
42,382 100 SHEETS 5 SQUARE  
42,383 200 SHEETS 5 SQUARE  
NATIONAL



3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY



March 12, 1991

RECEIVED

MAR 15 1991

DIVISION OF  
OIL GAS & MINING

State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Gentlemen:

Coors Energy Company is requesting an exception to the well spacing for the following well:

Ute Tribal 5-8  
Section 8, T5S-R3W  
Duchesne County, Utah

This well is located 1550'FWL and 1550'FNL of Section 8, T5S-43W, which is out of the 200' window. Due to geology and topography of the area, the proposed location was selected as the best site for this well.

We have attached a copy of the survey plat, showing the proposed location. We have also attached a copy of the Water Permit which we just received to be added to the original APD.

If you need further information, please let us know.  
Thank you.

Very truly yours,

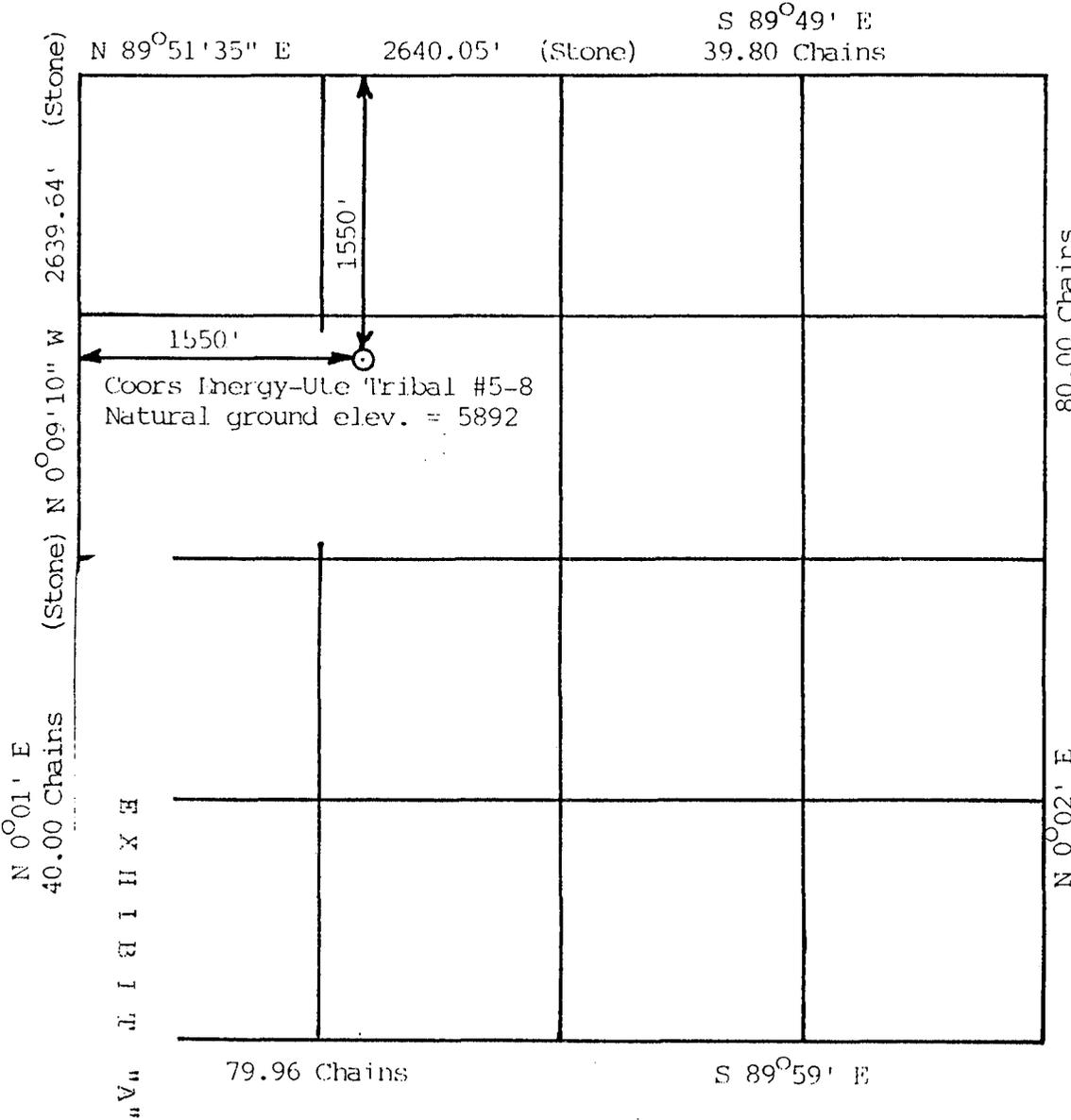
Doug S. Sprague  
Manager  
Engineering & Operations

DSS:kr  
Attachment

SECTION 8  
 TOWNSHIP 5 SOUTH, RANGE 3 WEST  
 UINIAH SPECIAL BASE AND MERIDIAN  
 DUCHESNE COUNTY, UTAH

COORS ENERGY CO.

WELL LOCATTON: S.E.¼, N.W.¼



**RECEIVED**

MAR 15 1991

DIVISION OF  
 OIL GAS & MINING

SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the state of Utah, and that I have made a survey of the oil well location, shown on this plat.

1/14/91  
 Date

*Clinton S. Peatross*  
 Clinton S. Peatross  
 License No. 4779 (Utah)



Section data obtained from G.L.O. plats.  
 Job #489

EXHIBIT "A"

# APPLICATION FOR TEMPORARY CHANGE OF WATER

## STATE OF UTAH

Rec. by \_\_\_\_\_  
 Fee Paid \$ \_\_\_\_\_  
 Receipt # \_\_\_\_\_  
 Microfilmed \_\_\_\_\_  
 Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t91-43-02

WATER RIGHT NUMBER: 43 - 1688

\*\*\*\*\*  
 This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.  
 \*\*\*\*\*

**1. OWNERSHIP INFORMATION.**

A. NAME: J. Willis Moon Elmer Moon & Orven Moon  
 ADDRESS: C/O Curry Leasing, P. O. Box 227, Altamont, UT 84001

B. PRIORITY OF CHANGE: February 12, 1991 FILING DATE: February 12, 1991

C. RIGHT EVIDENCED BY: Appl 994

\*-----\*  
 \* DESCRIPTION OF CURRENT WATER RIGHT: \*  
 \*-----\*

**2. SOURCE INFORMATION.**

A. QUANTITY OF WATER: 1.714 cfs

B. DIRECT SOURCE: Antelope Draw COUNTY: Duchesne

C. POINT OF DIVERSION -- SURFACE:  
 (1) N 424 feet W 2569 feet from E $\frac{1}{4}$  corner, Section 16, T 4S, R 3W, USBM

**3. WATER USE INFORMATION.**

IRRIGATION: from Apr 1 to Sep 30. IRRIGATING: 124.90 acres.

**4. PLACE OF USE.** (Which includes all or part of the following legal subdivisions:)

BASE TOWN RANG SEC	NORTH-EAST $\frac{1}{4}$				NORTH-WEST $\frac{1}{4}$				SOUTH-WEST $\frac{1}{4}$				SOUTH-EAST $\frac{1}{4}$			
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
US 4S 3W 10				■ ■ ■					■ ■ ■			X X	■ ■ ■			
15				■ ■ ■	X X				■ ■ ■				■ ■ ■			

RECEIVED

MAR 15 1991

EXHIBIT "H"

DIVISION OF  
 OIL GAS & MINING

Temporary Change



OPERATOR Cook Energy Co N-5090 DATE 3-7-91

WELL NAME 11th Street 5-8

SEC 9E 8 T 55 R 3W COUNTY Duchene

43-013-31307  
API NUMBER

Indian (v)  
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD USBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

for Plat map for surrounding well locations  
Water Point 43-1688 (+91-43-00)

APPROVAL LETTER:

SPACING:

R615-2-3

N/A  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

finds water point



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

March 22, 1991

Coors Energy Company  
P. O. Box 467  
Golden, Colorado 80402

Gentlemen:

Re: Ute Tribal 5-8 Well, 1550 feet from the North line, 1550 from the West line, SE NW, Section 8, Township 5 South, Range 3 West, Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2  
Coors Energy Company  
Ute Tribal 5-8  
March 22, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31307.

Sincerely,



R. J. Erth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
Bureau of Indian Affairs  
J. L. Thompson  
we14/1-6



RECEIVED

APR 01 1991

DIVISION OF  
OIL GAS & MINING

March 28, 1991

State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Attn: Mr. Ron Firth

Dear Mr. Firth:

Attached are copies of the T&E Report covering the areas we are anticipating drilling in the near future. The wells covered in this study are as follows:

Ute Tribal 4-5 Sec. 5, T.55, R. 3W - 43-013-31306  
Ute Tribal 5-8 Sec. 8, T.55, R. 3W - 43-013-31307 dl  
Ute Tribal 6-29 Sec. 29, T.55, R. 3W - 43-013-31305

Please include these in our APD Permits for the above referenced wells. Thank you for your consideration.

Very truly yours,

Karen Radcliffe  
Production Secretary

KR  
Enclosure

*Ute Label 5-8*

Threatened and Endangered Species Consultation  
and Raptor Nest Field Survey  
Antelope and Duchesne Fields, Duchesne Co. Utah

February 1991

Prepared For

Coors Energy Company  
P.O. Box 467  
Golden, Colorado 80402

Prepared By

Peter E. Kung  
Biological Consulting and Survey  
346 North 400 West  
Logan, Utah 84321

On January 24, 1991 an informal, on-site inspection was made of three well sites that were proposed for development during 1991 by Coors Energy Co. The three sites visited by the involved parties (BLM, BIA, Ute Tribe, Coors and appropriate contractors) were proposed wells 4-5 UT, 5-8 UT, and 6-29 UT, respectively in Sections 5, 8, and 29, T5S R3W, all in the existing Antelope oil field. Time was spent in the field stopping for occasional opportunistic and site specific ground surveys in an effort to determine the area's habitat suitability for two Threatened & Endangered (T&E) species of special interest, namely the Ferruginous hawk and Barneby ridgecrest (LEBA). Earlier surveys conducted by Coors in the areas to be affected and ongoing studies of known LEBA populations, helped in assessing the likelihood of finding any additional specimens in the proposed development areas. At all three proposed well sites it was the consensus of the group that suitable LEBA habitat was lacking and that planned development would not be a threat to the species.

As for the Ferruginous hawk, group discussions concerned the need to determine possible future requirements for the mitigative measures necessary to help protect any possible Ferruginous hawk reproductive efforts in the area during the upcoming breeding season. The areas surrounding 4-5 UT and 5-8 UT were determined to be of little value to possible nesting Ferruginous hawks other than for occasional hunting. The area near the proposed location of 6-29 UT, however, was evaluated as worthy of a closer look. Although not visible

from identified raptor nest A-20, the proposed location is just outside the 0.5 mile nest buffer zone currently proposed by the BLM. In the past, single Ferruginous hawk nest sites have rarely been encountered. Usually several alternate nests, built in a similar fashion are found within fairly close proximity of one another. This being the case, the group decided that an extensive ground search for other potential nests be made before the area's suitability for development was determined. A visit to A-20 was made to familiarize everyone with the surrounding habitat and to closely examine a suspected, historic Ferruginous tree nest. It was agreed that an immediate survey was appropriate and the date was set for February 27 and 28, 1991.

On the agreed dates, the interested agencies and a Coors T&E biologist once again met in the Antelope field for a raptor nest survey of the areas that were previously agreed to as needing further investigation. The late February survey date was established in light of historic Utah Ferruginous hawk nesting habits and was thought to be early enough to avoid any adverse impacts to possible 1991 hawk reproductive efforts. Another visit to nest A-20 was made hoping to reacquaint everyone with the proper "search image". Upon driving by the nest (approx. 500 feet away) on the existing access road to well 1-21 UT, a light colored, heavily built raptor was noticed on the nest. After both field vehicles stopped, parked and all occupants had acquired binocular vision, the bird flushed and glided down drainage

and perched on another old nest site. It was identified as a Ferruginous hawk. The bird flew again, but this time, rather than glide away, it flew back towards the appreciative field survey crew and provided positive identification as well as a couple of fortunate documentary photos. After encountering the hawk, most probably an early male transient, it was decided to stay away from and out of the viewsheds of the two nests the bird had just occupied. Ground nest surveys were conducted in appropriate habitat in adjacent portions of Sections 20, 21, 28, and 29. Special attention was given to surveying pinyon juniper/mixed desert shrub ecotone areas in search of other alternate tree nests possibly built by the past occupants of nest A-20. One more recordable tree nest (B-21) with possible past Ferruginous use was indeed found within 0.5 mile of nests A-20 and B-20. This grouping of three nests reinforced the datum previously recorded of the propensity of this species towards alternate nest site use. Presumably the same Ferruginous hawk was again later recorded flying in Sec. 21 by one survey crew during their nest search efforts.

Because of the previous day's Ferruginous hawk sighting, it was decided to revisit the other two proposed 1991 well developments again to reassess and confirm earlier T&E habitat assessments. The habitat surrounding proposed well 4-5 UT was again found to be of low value for the two species of concern, and no further field investigations were deemed necessary. Although the area surrounding proposed well 6-29

UT provided little appropriate habitat for the species in question, a thorough ground search was conducted in areas south and adjacent to previous Coors' surveys expanding clearance around the proposed development to the 0.5 mile suggested by the BLM. No new recordable raptor nests were found and there were no additional sightings of Ferruginous hawks in the Antelope field.

To further familiarize all personnel with the habitat requirements of the two species, the survey parties traveled to the nearby Duchesne oil field to inspect areas of known populations of LEBA, and to examine two additional possible Ferruginous nests. These two previously identified nests are good examples of alternate ground nests, as opposed to the tree nests already visited, and represent another unique nesting strategy sometimes used by this species. No hawks were seen and no recent raptor nesting activity was noted.

While enroute to view a known LEBA population in Sec. 19, the party stopped to view a golden eagle nest located on a cliff within view of producing well 4-17D with two years of confirmed reproductive success. This provided a good example of how much more tolerant some raptor species are to human activity and possible disturbance than the Ferruginous hawk. Due to the poor plant phenology at the time of the survey no specimens of Barneby ridgecross (LEBA) could be identified on the juniper ridge visited.

Upon returning to the vehicles, discussions were initiated to determine appropriate and workable mitigative

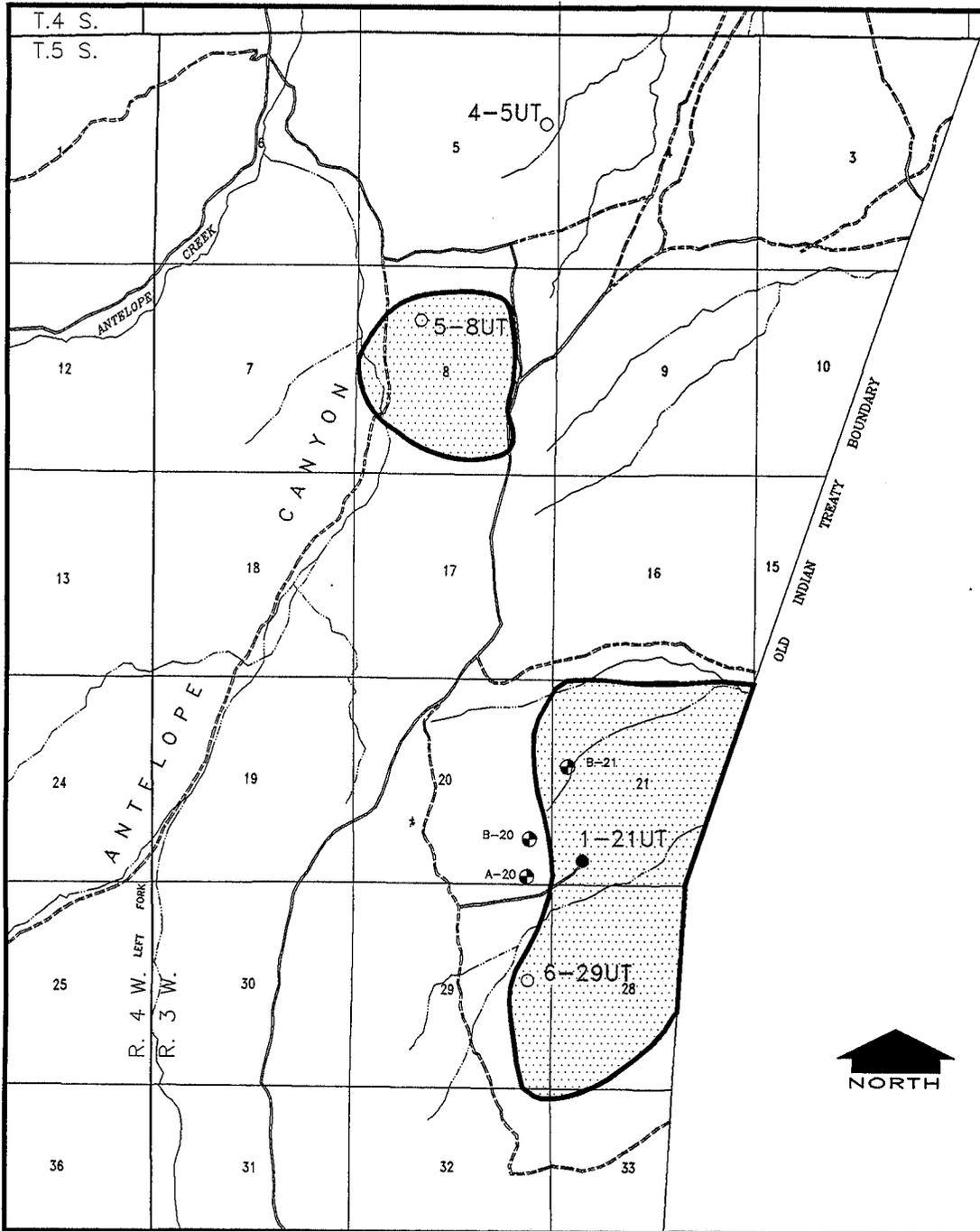
restrictions to proposed well development that would minimize possible conflicts with the T&E species. Suggestions included: (1) protection and possible repair of existing nest sites; (2) a 0.5 mile buffer zone around all potential identified Ferruginous hawk nest sites; (3) a period of activity restriction during the traditional Ferruginous hawk five month reproductive season- typically March to July or until nest status is determined for the year; (4) allow well development to proceed after a qualified biologist determines, and the lead agency concurs that no adverse impacts affecting the T&E species would occur; (5) enhancing identified regional deficiencies of Ferruginous hawk habitat, might also be an appropriate mitigative strategy. For example, the apparent lack of suitable nest substrates might be addressed by providing artificial nest platforms. The lack of any accurate, updated or workable NEPA documents for the affected area was also discussed.

To help address this need for site specific information concerning T&E species in the area, Coors initiated an intensive field survey covering approximately a 25 square mile area of the Duchesne field during 1990. It covered areas suggested by BLM personnel as lacking adequate biological information upon which to formulate an assessment of potential development impacts. The findings of the recently released Coors' "Threatened & Endangered Plant Inventory and Ferruginous Hawk Study: Status Report", which summarizes, maps and photodocuments the first year's data collection

efforts, were discussed and acknowledged as the type of site-specific information needed to supplement and update existing Environmental Assessments.

Inquiries were made by all agencies concerning Coors' continued willingness to complete a second year of intensive T&E species surveys, concentrating efforts on documenting and quantifying any Ferruginous hawk reproductive efforts. Also needed would be any opportunistic Ferruginous hawk data collected regarding migration, range, territories, hunting behavior, and prey base. The Coors T&E biologist admitted a reluctance on the part of the company to continue any such long term natural history studies until mitigative restrictions to development were clearly defined and approved. So as not to miss the upcoming opportunity to collect the necessary information afforded by the current 1991 raptor breeding season, the BIA, BLM, and Ute Tribe agreed to establish, maintain and document a continuing "nest watch" in Sec. 21 near the most recent Ferruginous hawk sighting until nest status could be accurately assessed. To minimize disturbance and to possibly collect valuable behavioral information, a spotting scope observation point from which all three alternate nest sites were visible was chosen atop an existing tank battery at well 1-21 UT. It was hoped that any additional activity in the area due to the "watch" would appear as normal day to day oil field operations and would not disturb any possible raptor nesting attempts.

On March 1st, the morning following the two days of nest surveys, a brief meeting was held in Roosevelt attended by all Coors Energy personnel. They were shown several photographs of Ferruginous hawks and were appraised of the sensitive nesting behavior of this raptor. They were instructed to keep a lookout for this hawk while in the field, but to stay clear and not in any way harass any individuals they might encounter. After relating the events and discussions of the past two days' field efforts to Jim Simonton, the Coors T&E biologist again traveled to both the Antelope and Duchesne fields to recheck all areas of interest for the presence of any additional Ferruginous hawk activity. None was recorded.



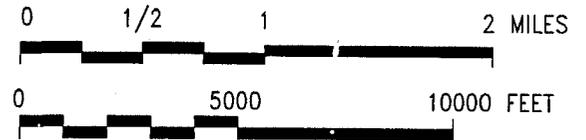
# COORS ENERGY CO.

Antelope Field, Utah

## T & E Species Survey

### LEGEND

- PROPOSED WELL
- EXISTING WELL
- AREA ROADS
- - - DRAINAGE
- ⊕ RAPTOR NESTS
- ▨ Area of COORS T&E Species Survey (February 1991)



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI... (Other instructions reverse side)

REVISED 3/22/91 Form approved Budget Bureau No. 1004-0136 Expires August 31, 1993

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL OIL WELL [X] GAS WELL [ ] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR Coors Energy Company

3. ADDRESS OF OPERATOR PO Box 467, Golden, Colorado 80402

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At surface 1550' FNL, 1550' FWL, SE/NW

At proposed prod. zone same 43-013-31307

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* approximately 7 miles south of Bridgeland

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1550'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1035'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5892' GL

5. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3507 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribe 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Ute Tribal 9. WELL NO. 5-8 10. FIELD AND POOL, OR WILDCAT Antelope Creek 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T5S-R3W 12. COUNTY OR PARISH Duchesne 13. STATE Utah

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

19. PROPOSED DEPTH 6350'

20. ROTARY OR CABLE TOOLS rotary

22. APPROX. DATE WORK WILL START\* May, 1991

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12-1/4" hole with 8-5/8" casing (24.00#/ft., 400' depth, 300 sks. cement) and 7-7/8" hole with 5-1/2" casing (15.50#/ft., 6350' depth, 1200 sks. cement). Casing type will be K55-STC.

See attached Drilling Program and Multipoint Use Plan for details.

RECEIVED MAY 06 1991 DIVISION OF OIL GAS & MINING



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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] D.S. Spague TITLE Manager Engineering & Operations DATE 2-22-91

PERMIT NO. APPROVED BY [Signature] APPROVAL DATE 4/30/91 ASSISTANT DISTRICT MANAGER MINERALS DATE 4/30/91

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

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

State Div O&M

Revised November 1990

Date NOS Received: December 26, 1990

CONDITIONS OF APPROVAL  
FOR APPLICATION FOR PERMIT TO DRILL

Company/Operator: Coors Energy Co.  
Well Name & Number: Ute Tribal #5-8  
Lease Number: 14-20-H62-3507  
Location: SENW Sec. 8 T. 5S R. 3W  
Surface Ownership: Ute Tribal

NOTIFICATION REQUIREMENTS

- Location Construction - at least 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 - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure 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.

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

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., 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 and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least twenty-four (24) hours prior to initiating pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

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

Usable water may be encountered from the surface to + 50 feet in the Uinta formation. The Mahogany oil shale and LI oil shale have been identified from + 2700 - 2790 feet and + 2840 - 2920 feet, respectively. Therefore, as a minimum, the resources shall be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 feet above the oil shale.

The Vernal District Office shall be notified at least twenty-four (24) hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

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.

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 Authorized Officer. 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 Authorized Officer (AO).

6. Notifications of Operations

The Vernal District Office shall be notified during regular work hours (7:45 a.m. - 4:30 p.m., Monday through Friday, except holidays), at least twenty-four (24) hours PRIOR to spudding the well.

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.

All site security regulations, as specified in Onshore Oil and Gas Order No. 3, shall be adhered to.

7. Other Information

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:

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 789-3634

## 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 wastes.

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

B. THIRTEEN POINT SURFACE USE PROGRAM:

1. Location of Existing and/or Proposed Facilities

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 content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

2. Methods for Handling Waste Disposal

A plastic nylon reinforced liner will be used. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks.

Coors Energy will contact the BIA for an inspection prior to backfilling the reserve pit.

3. Plans for Restoration of Surface

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.

The plastic nylon reinforced liner 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.

4. Additional Information

All lease and/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 approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

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

# memorandum

DATE: APR 25 1991

REPLY TO  
ATTN OF:

Superintendent, Uintah and Ouray Agency

SUBJECT:

Concurrence Letter for Coors Energy Company  
- Well Ute Tribal 5-8, Sec. 8, T5S-R3W

TO:

Bureau of Land Management, Vernal District Office  
Attention: Margie Hermann

We recommend approval of the Application for Permit to Drill on the subject well.

Based on available information received on January 24, 1991, we have cleared the proposed location in the following area of environmental impact.

YES	<u>X</u>	NO	_____	Listed threatened or endangered species
YES	<u>X</u>	NO	_____	Critical wildlife habitat
YES	<u>X</u>	NO	_____	Archaeological or cultural resources
YES	_____	NO	_____	Air quality aspects (to be used only if Project is in or adjacent to a Class I area of attainment)
YES	_____	NO	_____	Other (if necessary)

ADDITIONAL STIPULATIONS: Please see attached Bureau of Indian Affairs Environmental Analysis, Item #6, to be included in the Application for Permit to Drill.



ENVIRONMENTAL ANALYSIS

LEASE HOLDER (PERMITTEE): Coors Energy Company  
LEASE OR WELL NO: Coors Energy/Ute Tribal #5-8  
SITE LOCATION: SENW, Section 8, T5S, R3W, USB&M  
DATE: January 24, 1991

1. SITE DESCRIPTION

ELEVATION: 5900 ft.  
PRECIPITATION: 8-12 inches annually  
TOPOGRAPHY: Valley bottom  
SOILS: Silty clay loam with high gravel & rock content.

2. VEGETATION

HABITAT TYPE: Greasewood  
PERCENT GROUND COVER: 40-50%  
DOMINANT VEGETATION: Greasewood, Indian Rice, Shadscale, Sage Brush, Bluegrama.  
OBSERVED THREATENED OR ENDANGERED SPECIES: None  
POTENTIAL FOR THREATENED OR ENDANGERED SPECIES: Slight

3. WILDLIFE

PRESENT SITE UTILIZATION: Bald Eagle, Rabbit, Mule Deer, Elk, Raptors, Song Birds.  
POTENTIAL FOR THREATENED OR ENDANGERED SPECIES: Ferruginous Hawk and Bald Eagle.  
OBSERVED THREATENED AND ENDANGERED SPECIES: Bald Eagle use this area during winter months, and Ferruginous Hawk have been found in the area.

4. EXISTING SITE USES

RANGELAND: XX                      IRRIGATED CROPLAND:                      IRRIGATED PASTURELAND:  
PRIME TIMBERLAND:                      PINYON/JUNIPER:

5. ENVIRONMENTAL IMPACTS

WELL SITE: 1.55 Ac.                      ROADS: 0.40 Ac.  
ACRES DISTURBED: 1.95  
WILDLIFE HABITAT DISTURBED: 1.95  
PRODUCTION LOSSES: 0.2 AUM/yr.  
OTHER IMPACTS: LONG TERM: Soil surface will be completely disturbed on well site and will likely leave a permanent scar on the landscape. There will be a loss of grazing and wildlife will be disturbed during the productive life of the well.

POTENTIAL POINT-SOURCE WATER POLLUTION: HIGH \_\_\_\_\_ MODERATE \_\_\_\_\_ SLIGHT X





the site is restored the gravel must either be removed, or incorporated into the natural landscape. (2) Chemicals are often either accidentally spilled or intentionally applied to the site for weed and dust control. Generally, the chemicals are crude oil or production water, which contain high concentration salt. Once chemicals become incorporated in the soil they are difficult to remove and interfere with the soils ability to produce vegetation. (3) Soil compaction occurs where the site is subject to stormy wet weather and traffic from heavy trucks and equipment. Each of the above items cause soil damage and after the site is restored the productive ability of the soil will be damaged permanently.

### 11. ALTERNATIVES

A. Refuse Drilling: This alternative refuses the authorization of the application for permit to drill, this action would not allow the operator to enter upon the land surface to drill for oil or gas. Because the minerals usually cannot be developed without encroachment on the surface, the mineral estate is normally and traditionally designated as dominant, and the surface ownership subservient. The mineral operator's conduct is generally prescribed only by the rule of reasonableness and the limitations that he is not permitted to act in a wanton or negligent manner. Within their confines, the operator has considerable latitude in the necessary use of the surface to produce and develop the mineral estate. Therefore, if the application for permit is not signed, the operator would undoubtedly initiate court proceedings against the surface owner, in this case the Ute Tribe and the Bureau of Indian Affairs. Historically the courts have upheld the right of the mineral owner to develop the mineral resources regardless of the surface owners desire. Therefore, the operator's rights will likely be upheld if B. I. A. refuses to sign the Application for Permit to drill this well.

B. Accept Drilling: This alternative authorizes the operator to drill for oil or gas as prescribed in the application, providing it complies with stipulations which are considered reasonable. These stipulations are specified under item #6 above and in the 13 point surface use plan.

### 12. WE (CONCUR WITH OR RECOMMEND) APPROVAL OF THE APPLICATION FOR PERMIT TO DRILL THE SUBJECT WELL

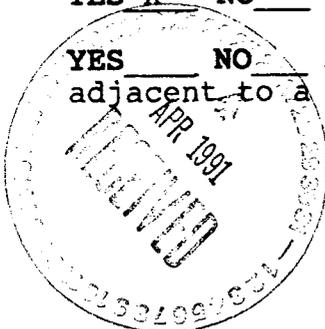
Based on available information 01/24/91, we have cleared the proposed location in the following areas of Environmental Impact:

YES  NO  Listed threatened or endangered species.

YES  NO  Critical wildlife habitat.

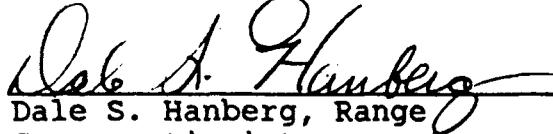
YES  NO  Historical or cultural resources.

YES  NO  Air quality aspects (to be used only if project is in or adjacent to a Class 1 area of attainment).



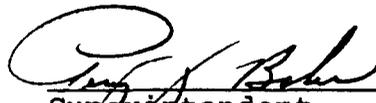
**REMARKS:** After consultation with Larry England and Bob Benton of USFWS, Peter Kung representing Coors Energy, and Steve Madsen of BLM, it is my opinion that the drilling of this well will not adversely affect the nesting habitat of the Ferruginous Hawk.

The necessary surface protection and rehabilitation requirements are specified above, and in the 13 point surface use plan

  
Dale S. Hanberg, Range  
Conservationist,  
B. I. A. Representative

13. DECLARATION

It has been determined that the drilling of the above well is not a federal action significantly affecting the quality of the environment as 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).

  
Superintendent,  
Ute and Ouray Agency

cc: Roland McCook, BIA, Realty  
Farron Secakuku, Ute Tribal Energy & Minerals  
Charles Cameron, BIA, O&G



### FERRUGINOUS HAWK SURVEY

On February 27 & 28, 1991, representatives from the Bureau of Land Management, the Ute Indian Tribe, Coors Energy and the Bureau of Indian Affairs, conducted a field survey of the Coors Antelope Field to determine if Ferruginous Hawks were using the area.

At about 10:00 a.m the team arrived at Nest #20-A and observed a Ferruginous Hawk perched on the nest. Peter Kung, representing Coors Energy, Dale Hanberg of BIA, Karen Cortis and Lonnie Nephi of the Ute Indian Tribe first observed the hawk. The hawk was watched through field glasses for a few seconds to one minute as it was perched on the nest. Then the hawk flew off of nest #20-A to nest #20-B where it perched for several minutes. About this time Steve Madsen, Ralph Brown, and Tim O'Brian of BLM arrived and were able to observe the hawk while it was perched on nest #20-B.

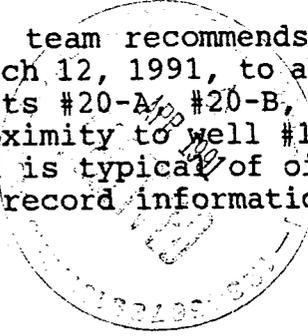
At this time the team was located on the road approximately 800 feet from nest #20-A and 1200 feet from nest #20-B. The weather was clear and calm, the temperature was about 50`F, and the hawk could clearly be seen through binoculars. A few minutes later the hawk flew from nest #20-B and started to soar. It soared in slow circles directly over head in full view of the party for several seconds. The light under part of the hawk could be seen showing the distinct V formed by it's legs. There was no question as to the identity of the hawk. It soared over head long enough for Peter King to get his camera from the car and take two pictures. It is estimated the hawk was soaring about 300 feet above the ground.

Coors Energy Well #1-21 is located approximately 1000 feet from nest #20-A and approximately 1200 feet from nest #20-B. The well was in operation. The pump is run by a motor that makes a loud popping sound like a car backfiring only the popping sound is in fairly rapid and in continuous succession.

After observing the hawk the team was organized into two groups which systematically searched the area for more possible nests. Steve Madsen of BLM, located one more nest identified as #21-B. This nest is located about 2,600 feet north of Coors Well #1-21, and about 1,800 feet northeast of nest #20-B. In addition to the above raptor nests several magpie nests were also located.

A survey was made of the area within one-half mile of the three well sites proposed by Coors Energy. Well No's 5-8 and 4-5 have no nests within one half mile. Nest #20-A is approximately one-half mile from Coors proposed Well No 6-29.

The team recommends that Ferruginous Hawk activities be monitored through March 12, 1991, to about July 15, 1991. Because the hawk appears to be using nests #20-A, #20-B, and possibly 21-B, which are located in relatively close proximity to well #1-20, and because well #1-20 produced loud popping sounds and is typical of oil field activity, the team believes it would be helpful to record information on the hawk's response to these activities.



On March 4, 1991, Ferron Secakuku agreed that Lonnie Nephi of the Ute Indian Tribe would conduct the survey. Peter Kung representing Coors, Karen Cortis of the Ute Tribe, and Steve Madsen of BLM, will meet again on March 12, 1991, with Mr. Nephi to teach him how to conduct the survey. They will also provide Mr. Nephi with additional direction through out the survey as needed.

Those present during the survey were:

Karen Cortis, Biologist for the Ute Indian Tribe  
Lonnie Nephi, Ute Energy & Minerals  
Steve Madsen, Biologist for BLM  
Ralph Brown, BLM  
Tim O'Brian, BLM  
Ron Trogstad, Area Manager, BLM  
Peter Kung, Biologist for Coors Energy  
Dale Hanberg, BIA  
Ron Trogstad, Area Manager Diamond Mountain Resource Area

cc: Charles Cameron  
Roland McCook  
Ferron Secakuku



STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM - FORM 6

OPERATOR Coors Energy Company  
 ADDRESS PO Box 467  
Golden, Colorado 80402

OPERATOR ACCT. NO. N 5090

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	09386	→	43-013-31307	Ute Tribal 5-8	SE/NW	8	5S	3W	Duchesne	7/19/91	7/19/91
WELL 1 COMMENTS: <i>Indian-Lease Prop. Zone - BPRV</i> <i>Field - Antelope Creek (Entity added 7-31-91)</i> <i>Unit-</i>											
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 or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.  
 (3/89)

**RECEIVED**

JUL 29 1991

DIVISION OF  
 OIL GAS & MINING

*D.S. Sprague*  
 Signature D.S. Sprague  
 Manager/Eng/Op. 7/26/91  
 Title \_\_\_\_\_ Date \_\_\_\_\_  
 Phone No. (303) 278-7030

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

6. Lease Designation and Serial Number  
**14-20-H62-3507**

7. Indian Allottee or Tribe Name  
**Ute Tribe**

8. Unit or Communitization Agreement  
-----

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well  
 Oil Well     Gas Well     Other (specify)

2. Name of Operator  
**Coors Energy Company**

3. Address of Operator  
**PO Box 467, Golden, Colorado 80402**

4. Telephone Number  
**303-278-7030**

5. Location of Well  
Footage **1550' FNL, 1550' FWL, SE/NW**  
QQ, Sec. T., R., M. : **Sec. 8, T5S-R3W**

County : **Duchesne**  
State : **UTAH**

9. Well Name and Number  
**Ute Tribal 5-8**

10. API Well Number  
**43-013-31307**

11. Field and Pool, or Wildcat  
**Antelope Creek**

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

Abandonment     New Construction  
 Casing Repair     Pull or Alter Casing  
 Change of Plans     Recompletion  
 Conversion to Injection     Shoot or Acidize  
 Fracture Treat     Vent or Flare  
 Multiple Completion     Water Shut-Off  
 Other \_\_\_\_\_

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

Abandonment \*     New Construction  
 Casing Repair     Pull or Alter Casing  
 Change of Plans     Shoot or Acidize  
 Conversion to Injection     Vent or Flare  
 Fracture Treat     Water Shut-Off  
 Other Spud date \_\_\_\_\_

Date of Work Completion \_\_\_\_\_

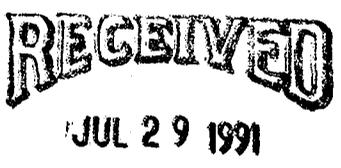
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

**13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that the Ute Tribal 5-8 was spudded at noon 7/19/91 w/Leon Ross air drilling rig, drilled 17-1/2" hole to 34', RIH w/1 jt of 13-3/8" 54.50# casing and cemented w/2 yds of Redi-mix.

RIH w/8-5/8" 24.00# STC casing and set at 392', cemented w/275 sks. Class "G" cement w/ 2% CACL and 1/4# flocele/sk.

Presently WO drilling rig.



**DIVISION OF OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Name & Signature D.S. Sprague Title Manager Eng/Operations Date 7/26/91

(State Use Only) D.S. Sprague

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

6. Lease Designation and Serial Number 14-20-H62-3507
7. Indian Allottee or Tribe Name  Ute Tribe
8. Unit or Communitization Agreement -----

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	
2. Name of Operator Coors Energy Company	
3. Address of Operator PO Box 467, Golden, Colorado 80402	4. Telephone Number (303)278-7030
5. Location of Well Footage 1550'FNL, 1550'FWL, SE/NW QQ, Sec. T., R., M. : T5S-R3W, Sec. 8 County : Duchesne State : UTAH	

9. Well Name and Number Ute Tribal 5-8
10. API Well Number 43-013-31307
11. Field and Pool, or Wildcat Antelope Creek

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	Progress Report _____

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

7/24 to 8/19/91 WO Olsen Rig #2.

8/20/91 Resumed drilling with Olsen Rig #2.

8/21 to 8/28/91 Drilled to TD of 6354'.

8/29/91 Ran 155 jts of 5-1/2" 15.50# STC casing to 6346', cemented w/150 sks. lite cement and 500 sks. 50/50 pozmix w/10% salt, 2% gel and 1/4#/sk/flocele.

8/30 to 9/3/91 WOCT.

9/4 to 9/6/91 Preparing to perforate, ran CBL-VDL-GR logs from PBTD to 3100'.

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SEP 13 1991  
DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature D.S. Sprague Title Manager - Eng/Operations Date 9/9/91  
(State Use Only) D.S. Sprague

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

6. Lease Designation and Serial Number 14-20-H62-3507
7. Indian Allottee or Tribe Name Ute Tribe
8. Unit or Communitization Agreement ----
9. Well Name and Number Ute Tribal
10. API Well Number 5-8 43-013-31307
11. Field and Pool, or Wildcat Antelope Creek

**SUNDRY NOTICES AND REPORTS ON WELLS**  
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Use APPLICATION FOR PERMIT— for such proposals

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2. Name of Operator Coors Energy Company	
3. Address of Operator PO Box 467, Golden, Colorado 80402	4. Telephone Number (303)278-7030
5. Location of Well Footage 1550' FNL, 1550' FWL, SE/NW QQ, Sec. T., R. M. : SE/NW Sec. 8, T5S-R3W County : Duchesne State : UTAH	

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
<p><b>NOTICE OF INTENT</b> (Submit in Duplicate)</p> <p><input type="checkbox"/> Abandonment                      <input type="checkbox"/> New Construction  <input type="checkbox"/> Casing Repair                      <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Change of Plans                      <input type="checkbox"/> Recompletion  <input type="checkbox"/> Conversion to Injection              <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Fracture Treat                      <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Multiple Completion              <input type="checkbox"/> Water Shut-Off  <input type="checkbox"/> Other _____</p> <p>Approximate Date Work Will Start _____</p>	<p><b>SUBSEQUENT REPORT</b> (Submit Original Form Only)</p> <p><input type="checkbox"/> Abandonment *                      <input type="checkbox"/> New Construction  <input type="checkbox"/> Casing Repair                      <input type="checkbox"/> Pull or Alter Casing  <input type="checkbox"/> Change of Plans                      <input type="checkbox"/> Shoot or Acidize  <input type="checkbox"/> Conversion to Injection              <input type="checkbox"/> Vent or Flare  <input type="checkbox"/> Fracture Treat                      <input type="checkbox"/> Water Shut-Off  <input type="checkbox"/> Other _____ <u>Progress Report/First Production</u></p> <p>Date of Work Completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</p>

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/7/91 Perforated at 4 JPF w/4" casing gun w/23 gram charges from 5086-90', 5100-5106' and 5108-17' totaling 76 shots. Broke down above perms w/100 7/8" 1.3 SG ball sealers in 100 bbls of 2% KCL water w/additives. Flushed w/40 bbls KCL water.

9/8 to  
9/12/91 Swabbed well back and fraced above zone w/113,000# 20/40 sand and 1309 bbls of water (28,000# 20/40 and 85,000# 16/30). Set 5-1/2" RBP at 5050', perf'd at 4 JPF w/4" gun, 23 gram charges from 4952-55' and 4926-4938' totaling 60 holes. Fraced this zone w/21,300# 30/40 sand and 65,000# 16/30 sand, 1,069 bbls water, flush w/5000 gals.

9/13/91 POOH w/RBP set at 5050', started swabbing well back.

9/14 to  
9/26/91 Swabbed well back. RIH w/2-1/2" x 1-1/2" x 13' top hold down pump, 112 3/4" scraper rods, 28 3/4" plain rods and 64 7/8" plain rods.

9/27/91 Started rod pump production at 1:00PM 9/27/91, (first oil production)  
Sales will be made to: Texaco Trading & Transportation, PO Box 5568, Denver, Co. 80217

14. I hereby certify that the foregoing is true and correct

Name & Signature D.S. Sprague                      Manager -  
 (State Use Only)                      Title Engineering/Operatns Date 10/4/91

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OCT 07 1991

DIVISION OF  
OIL GAS & MINING



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

6. Lease Designation and Serial Number 14-20-H62-3507
7. Indian Allottee or Tribe Name Ute Tribe
8. Unit or Communitization Agreement -----

**SUNDRY NOTICES AND REPORTS ON WELLS**

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2. Name of Operator Coors Energy Company
3. Address of Operator PO Box 467, Golden, Colorado 80402
4. Telephone Number (303)278-7030
5. Location of Well Footage 1550'FNL, 1550'FWL, SE/NW QQ, Sec. T., R., M. : Sec. 8, T5S-R3W
9. Well Name and Number Ute Tribal 5-8
10. API Well Number 43-013-31307
11. Field and Pool, or Wildcat Antelope Creek
County : Duchesne State : UTAH

<b>12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>	
<b>NOTICE OF INTENT</b> (Submit in Duplicate)	<b>SUBSEQUENT REPORT</b> (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> New Construction <input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Other <u>Progress Report</u>
Approximate Date Work Will Start _____	Date of Work Completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/27 to 10/22/91 Pump tested well.

10/23 to 10/30/91 MIRU B&B Well Service to find water zone, flowing large volume of water, POOH w/rods and pump, set and reset 5-1/2" RBP at various intervals, swab testing for water zone.

10/31/91 Set CIBP at 5000', squeezed 50 sks. of Class "G" cement into perfs from 4952-4955', reversed out approx. 20 sks. of cement. Squeezed 10 sks. of Class "G" cement across perfs from 4926-4938'.

11/1 to 11/14/91 Drilled thru CIBP set at 5000', CO hole and resume production 11/3/91, presently pump testing from prod. zone of 5086-5117'.

14. I hereby certify that the foregoing is true and correct

Name & Signature D.S. Sprague Title Manager - Engineering/Operations Date 11/14/91

(State Use Only) D.S. Sprague



NOV 22 1991

DIVISION OF  
OIL GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 2. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. REEV.

2. NAME OF OPERATOR  
Coors Energy Company

3. ADDRESS OF OPERATOR  
PO Box 467, Golden, Colorado 80402

4. LOCATION OF WELL (Report location clearly and in accordance with any State Division of OIL GAS & MINING)  
 At surface 1550' FNL, 1550' FWL, SE/NW  
 At top prod. interval reported below same  
 At total depth same

14. API NO. UT080-1M74  
 DATE ISSUED 4/30/91

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-H62-3507

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Ute Tribe

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
Ute Tribal

9. WELL NO.  
5-8

10. FIELD AND POOL OR WILDCAT  
Antelope Creek

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 8, T5S-R3W, SE/NW

12. COUNTY Duchesne 13. STATE Utah

15. DATE SPUNDED 7/19/91 16. DATE T.D. REACHED 8/29/91 17. DATE COMPL. (Ready to prod.) 11/3/91 (Plug & Abd.)  
 18. ELEVATIONS (DF, BER, RT, CR, ETC.) 5892' GL, 5905' KB 19. ELEV. CASINGHEAD ----

20. TOTAL DEPTH, MD & TVD 6354' 21. PLUG BACK T.D., MD & TVD 6086' 22. IF MULTIPLE COMPL. HOW MANY ---- 23. INTERVALS DRILLED BY ROTARY TOOLS 0-6354' CABLE TOOLS no

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
Green River: 5086-5117'

25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN 12-12-91  
CBL/VDL/GR/GNL DLL, comp NEUT-LITHO(DEN)

27. WAS WELL CORED YES  NO  (Submit analysis)  
 DRILL STEM TEST YES  NO  (See reverse side) sidewalls

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.50#	34'	17-1/2"	2. yds.	
8-5/8"	24.00#	392'	12-1/4"	275 sks.	
5-1/2"	15.50#	6346'	7-7/8"	650 sks.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD
					SIZE 2-7/8" DEPTH SET (MD) 5169' PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

5086-90, 5100-5106, 5108-17' (76 holes, 4 SPF, 4" gun)  
 4952-55, 4926-38' (60 holes, 4 SPF, 4" gun) squeezed off w/35 sks. cement

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5086-5117'	100 BS, 1449 BW, 28,000#
4926-4955'	20/40 sand, 85,000# 16/30 sand 21,300# 30/40 sand, 65,000# 16/30 sand, 1069 BW

33. PRODUCTION

DATE FIRST PRODUCTION 9/27/91 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 2-1/2" x 1-1/2" x 13' top cup pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
12/1/91	24	---	→	10	16	7	1600:1
FLOW, TUBING PRIME	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
30	30	→	10	16	7	40+	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Jim Simonton

35. LIST OF ATTACHMENTS  
Above named logs

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

SIGNED D.S. Sprague TITLE Manager, Oil/Gas Operations DATE 12/6/91

## INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.  
 ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

	38. GEOLOGIC MARKERS		
37. SUMMARY OF POROUS ZONES:	Top	Bottom	Description, contents, etc.
Formation	Top	Bottom	Description, contents, etc.
Upper Douglas Creek:	4466'		
Base "B" Lime:	4858'		
TD:	6354'		

	Name	Meas. Depth	True Vert. Depth
38.			

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REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

DEC 12 1991

1. Well name and number: Ute Tribal 5-8 DIVISION OF  
 API number: 43-013-31307 OIL GAS & MINING

2. Well location: QQ SE/NW section 8 township 5S range 3W county Duchesne

3. Well operator: Coors Energy Company  
 Address: PO Box 467 phone: (303)278-7030  
Golden, Colorado 80402

4. Drilling contractor: Olsen Drilling Company (Rig #2)  
 Address: 1616 Glenarm Place - Su. 2370 phone: (303)571-1222  
Denver, Colorado 80202

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
200'	375'	2-3 gals/min. inflow	fresh

6. Formation tops: Upper Douglas Creek: 4466'  
Base "B" Lime: 4858'  
TD: 6354'

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

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

Name D.S. Sprague Signature *D.S. Sprague*  
 Title Manager, O/G Operations Date 12/6/91

Comments:



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• MARYELLEN VIALPANDO  
COORS ENERGY  
PO BOX 467  
GOLDEN CO 80402-0467

Utah Account No. N5090

Report Period (Month/Year) 7 / 92

Amended Report

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
UTE TRIBAL #2-10 4301331187 09378 05S 03W 10 ✓	GRRV		14-20-H62-3509		
UTE TRIBAL 1-33 4301330806 09379 05S 03W 33 ✓	GRRV		14-20-H62-3522		
UTE TRIBAL 2-5 4301330824 09380 05S 03W 5 ✓	GRRV		14-20-H62-3504		
UTE TRIBAL 2-7 4301330825 09381 05S 03W 7 ✓	GRRV		14-20-H62-3506		
UTE TRIBAL #2-31 4301331188 09382 05S 03W 31 ✓	GRRV		14-20-H62-3520		
UTE TRIBAL 3-7 4301330828 09383 05S 03W 7 ✓	GRRV		14-20-H62-3506		
UTE TRIBAL 1-3 4301330823 09384 05S 03W 3 ✓	GRRV		14-20-H62-3502		
UTE TRIBAL #2-3 4301331097 09384 05S 03W 3 ✓	GRRV		"		
UTE TRIBAL 1-8 4301330759 09386 05S 03W 8 ✓	GRRV		14-20-H62-3507		
UTE TRIBAL 2-8 4301330826 09386 05S 03W 8 ✓	GRRV		"		
UTE TRIBAL #3-8 4301331101 09386 05S 03W 8 ✓	GRRV		"		
UTE TRIBAL #4-8 4301331164 09386 05S 03W 8 ✓	GRRV		"		
UTE TRIBAL 5-8 4301331307 09386 05S 03W 8 ✓	GRRV		"		
TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I have reviewed this report and certify the information to be accurate and complete. Date \_\_\_\_\_

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_



P.O. BOX 467 GOLDEN, COLORADO 80401

September 1, 1992

State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

RECEIVED

SEP 04 1992

DIVISION OF  
OIL, GAS & MINING

Attn: Mr. Ron Firth

Dear Mr. Firth:

This letter is to advise you that effective September 1, 1992 Coors Energy Company has sold its oil and gas properties located in Duchesne County, Utah to the following Company:

Evertson Oil Company, Inc.  
P.O. Box 397  
Kimball, Nebraska 69145  
Mr. Bruce F. Evertson, President  
Phone No.: (308) 235-4871

The sale includes the following wells:

<u>WELL NAME</u>	<u>API NO.</u>
✓State 2-6	43-013-30891
✓Ute Tribal 1	43-013-20045
✓Ute Tribal 1-10	43-013-30805
✓Ute Tribal 1-10D	43-013-31211
✓Ute Tribal 1-15	43-013-30880
✓Ute Tribal 1-15D	43-013-30712
✓Ute Tribal 1-16	43-013-30804
✓Ute Tribal 1-17	43-013-30790
✓Ute Tribal 1-18	43-013-30761
✓Ute Tribal 1-19	43-013-30803
✓Ute Tribal 1-20	43-013-30764
✓Ute Tribal 1-20D	43-013-31239
✓Ute Tribal 1-21	43-013-30883
✓Ute Tribal 1-24D	43-013-31234

<u>WELL NAME</u>	<u>API NO.</u>
✓Ute Tribal 1-28	43-013-30802
✓Ute Tribal 1-29	43-013-30763
✓Ute Tribal 1-3	43-013-30823
✓Ute Tribal 1-30	43-013-30852
✓Ute Tribal 1-32	43-013-30853
✓Ute Tribal 1-33	43-013-30806
✓Ute Tribal 1-3D	43-013-31242
✓Ute Tribal 1-4	43-013-30762
✓Ute Tribal 1-5	43-013-30785
✓Ute Tribal 1-6	43-013-30793
✓Ute Tribal 1-7	43-013-30788
✓Ute Tribal 1-7D	43-013-31198
✓Ute Tribal 1-8	43-013-30759
✓Ute Tribal 2-10	43-013-31187
✓Ute Tribal 2-10D	43-013-31219
✓Ute Tribal 2-15D	43-013-31200
✓Ute Tribal 2-16	43-013-31166
Ute Tribal 2-18	43-013-
Ute Tribal 2-18D	43-013-30881
✓Ute Tribal 2-20	43-013-30882
✓Ute Tribal 2-29	43-013-30849
✓Ute Tribal 2-3	43-013-31097
✓Ute Tribal 2-31	43-013-31188
✓Ute Tribal 2-4	43-013-30879 (w/w)
✓Ute Tribal 2-5	43-013-30824
✓Ute Tribal 2-7	43-013-30825
✓Ute Tribal 2-8	43-013-30826
✓Ute Tribal 2-8D	43-013-31199
✓Ute Tribal 2-9	43-013-30789
✓Ute Tribal 3	43-013-15319
✓Ute Tribal 3-10D	43-013-31217
✓Ute Tribal 3-20	43-013-31175
✓Ute Tribal 3-29	43-013-30850
✓Ute Tribal 3-4	43-013-30878
✓Ute Tribal 3-5-E3	43-013-30938
✓Ute Tribal 3-7	43-013-30828
✓Ute Tribal 3-8	43-013-31101
Ute Tribal 4	43-013-15321
✓Ute Tribal 4-10D	43-013-31226
✓Ute Tribal 4-17D	43-013-31201
✓Ute Tribal 4-18	43-013-31099
✓Ute Tribal 4-18D	43-013-30838
✓Ute Tribal 4-29	43-013-30851
✓Ute Tribal 4-4	43-013-30848
✓Ute Tribal 4-5	43-013-31306
✓Ute Tribal 4-8	43-013-31164
✓Ute Tribal 4-9	43-013-31165
✓Ute Tribal 5	43-013-15322
✓Ute Tribal 5-18	43-013-31180
✓Ute Tribal 5-29-E3	43-013-30939

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SEP 04 1992

DIVISION OF  
OIL GAS & MINING

Page 3  
Change of Operator  
Duchesne County, Utah

<u>WELL NAME</u>	<u>API NO.</u>
✓Ute Tribal 5-8	43-013-31307
✓Ute Tribal 6	43-013-15323
✓Ute Tribal 6-10D	43-013-31236
✓Ute Tribal 6-16D	43-013-31204
✓Ute Tribal 6-29	43-013-31305
✓Ute Tribal 6-4	43-013-31100
✓Ute Tribal 7	43-013-15324
✓Ute Tribal 7-16D	43-013-31221
✓Ute Tribal 7-29	43-013-31339
✓Ute Tribal 8	43-013-30028
✓Ute Tribal 8-16D	43-013-31220
✓Ute Tribal 1-21D	43-013-31347
✓Ute Tribal 1-22D	43-013-31349

On this date, we are also notifying the BLM, BIA and the Ute Tribe of this change of operator.

Would you please forward this letter on to anyone else at the State office who might need to have this information. Let us know if we can be of further assistance or if you have any questions.

Very truly yours,



Doug S. Sprague  
Manager  
Engineering & Operations

DSS:kr

RECEIVED

SEP 04 1992

DIVISION OF  
OIL GAS & MINING

EVERTSON OIL COMPANY, INC.  
P. O. BOX 397  
KIMBALL, NE 69145  
308/235-4871

RECEIVED

SEP 25 1992

DIVISION OF  
OIL GAS & MINING

September 21, 1992

Lisha Romero  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Dear Lisha:

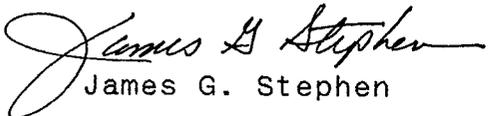
Enclosed please find a listing of wells purchased from Coors Energy Company. These are all the wells on which Evertson Oil Company, Inc. will be taking over operations effective September 1, 1992.

I assume that Coors Energy Company has submitted the change of operator forms as required.

I will be forwarding the bonding information required by the U.S. Department of Interior, Bureau of Indian Affairs, as soon as that information is available.

Should you have any questions or need additional information, please let me know.

Sincerely,

  
James G. Stephen

JGS/iks  
enc.

/9258

EVERTSON OIL COMPANY, INC.  
SCHEDULE OF WELLS

Well Number	Well Name	State	County	Township	Range	Section	Quadrant
1510103	Ute Tribal 1-3	Utah	Duchesne	5S	3W	3	SW/SW
1510104	Ute Tribal 1-4	Utah	Duchesne	5S	3W	4	NE/NE
1510105	Ute Tribal 1-5	Utah	Duchesne	5S	3W	5	NW/NE
1510106	Ute Tribal 1-6	Utah	Duchesne	5S	3W	6	SE/SE
1510107	Ute Tribal 1-7	Utah	Duchesne	5S	3W	7	SE/SW
1510108	Ute Tribal 1-8	Utah	Duchesne	5S	3W	8	NW/NW
1510110	Ute Tribal 1-10	Utah	Duchesne	5S	3W	10	NW/NW
1510115	Ute Tribal 1-15	Utah	Duchesne	5S	3W	15	NW/NW
1510116	Ute Tribal 1-16	Utah	Duchesne	5S	3W	16	SE/SE
1510117	Ute Tribal 1-17	Utah	Duchesne	5S	3W	17	NE/NE
1510118	Ute Tribal 1-18	Utah	Duchesne	5S	3W	18	NE/NE
1510119	Ute Tribal 1-19	Utah	Duchesne	5S	3W	19	SE/SE
1510120	Ute Tribal 1-20	Utah	Duchesne	5S	3W	20	NW/NE
1510121	Ute Tribal 1-21	Utah	Duchesne	5S	3W	21	SW/SW
1510128	Ute Tribal 1-28	Utah	Duchesne	5S	3W	28	SW/NW
1510129	Ute Tribal 1-29	Utah	Duchesne	5S	3W	29	NE/SE
1510130	Ute Tribal 1-30	Utah	Duchesne	5S	3W	30	SW/NE
1510132	Ute Tribal 1-32	Utah	Duchesne	5S	3W	32	SE/NE
1510133	Ute Tribal 1-33	Utah	Duchesne	5S	3W	33	NW/NW
1510203	Ute Tribal 2-3	Utah	Duchesne	5S	3W	3	SE/SW
1510204	Ute Tribal 2-4	Utah	Duchesne	5S	3W	4	SW/NE
1510205	Ute Tribal 2-5	Utah	Duchesne	5S	3W	5	SW/SW
1510207	Ute Tribal 2-7	Utah	Duchesne	5S	3W	7	NE/NE
1510208	Ute Tribal 2-8	Utah	Duchesne	5S	3W	8	SW/NW
1510209	Ute Tribal 2-9	Utah	Duchesne	5S	3W	9	NE/NE
1510210	Ute Tribal 2-10	Utah	Duchesne	5S	3W	10	SW/NW
1510216	Ute Tribal 2-16	Utah	Duchesne	5S	3W	16	SW/SW
1510218	Ute Tribal 2-18	Utah	Duchesne	5S	3W	18	SE/NE
1510220	Ute Tribal 2-20	Utah	Duchesne	5S	3W	20	SW/NE
1510229	Ute Tribal 2-29	Utah	Duchesne	5S	3W	29	SE/SE
1510231	Ute Tribal 2-31	Utah	Duchesne	5S	3W	31	NE/NW
1510304	Ute Tribal 3-4	Utah	Duchesne	5S	3W	4	NE/SW

EVERTSON OIL COMPANY, INC.  
SCHEDULE OF WELLS

Well Number	Well Name	State	County	Township	Range	Section	Quadrant
1510305	Ute Tribal 3-5-E3	Utah	Duchesne	5S	3W	5	NW/SE
1510307	Ute Tribal 3-7	Utah	Duchesne	5S	3W	7	SE/NE
1510308	Ute Tribal 3-8	Utah	Duchesne	5S	3W	8	NE/NW
1510320	Ute Tribal 3-20	Utah	Duchesne	5S	3W	20	SE/NW
1510329	Ute Tribal 3-29	Utah	Duchesne	5S	3W	29	SE/NW
1510404	Ute Tribal 4-4	Utah	Duchesne	5S	3W	4	SW/SW
1510405	Ute Tribal 4-5	Utah	Duchesne	5S	3W	5	SE/NE
1510408	Ute Tribal 4-8	Utah	Duchesne	5S	3W	8	NW/SW
1510409	Ute Tribal 4-9	Utah	Duchesne	5S	3W	9	SW/SE
1510418	Ute Tribal 4-18	Utah	Duchesne	4S	3W	18	NW/NE
1510429	Ute Tribal 4-29	Utah	Duchesne	5S	3W	29	NW/NW
1510508	Ute Tribal 5-8	Utah	Duchesne	5S	3W	8	SE/NW
1510518	Ute Tribal 5-18	Utah	Duchesne	5S	3W	18	NE/SE
1510529	Ute Tribal 5-29-E3	Utah	Duchesne	5S	3W	29	SW/NE
1510604	Ute Tribal 6-4	Utah	Duchesne	5S	3W	4	SE/SW
1510629	Ute Tribal 6-29	Utah	Duchesne	5S	3W	29	SE/NE
1510729	Ute Tribal 7-29	Utah	Duchesne	5S	3W	29	SE/NE
1520001	Ute Tribal 1	Utah	Duchesne	4S	4W	9	NW/SW
1520003	Ute Tribal 3	Utah	Duchesne	4S	4W	16	SW/NE
1520004	Ute Tribal 4	Utah	Duchesne	4S	4W	16	NE/SW
1520005	Ute Tribal 5	Utah	Duchesne	4S	4W	16	SW/NW
1520006	Ute Tribal 6	Utah	Duchesne	4S	4W	17	SW/NE
1520007	Ute Tribal 7	Utah	Duchesne	4S	4W	17	SW/NW
1520008	Ute Tribal 8	Utah	Duchesne	4S	4W	16	NW/NW
1520103	Ute Tribal 1-3D	Utah	Duchesne	4S	4W	3	SE/SE
1520107	Ute Tribal 1-7D	Utah	Duchesne	4S	4W	7	SE/SE
1520110	Ute Tribal 1-10D	Utah	Duchesne	4S	4W	10	SW/SE
1520115	Ute Tribal 1-15D	Utah	Duchesne	4S	4W	15	SW/NE
1520120	Ute Tribal 1-20D	Utah	Duchesne	4S	4W	20	SW/SW
1520121	Ute Tribal 1-21D	Utah	Duchesne	4S	4W	21	NE/NW
1520122	Ute Tribal 1-22D	Utah	Duchesne	4S	4W	22	NE/NW
1520124	Ute Tribal 1-24D	Utah	Duchesne	4S	5W	24	NW/NW
1520208	Ute Tribal 2-8D	Utah	Duchesne	4S	4W	8	NW/SE

EVERTSON OIL COMPANY, INC.  
SCHEDULE OF WELLS

Well Number	Well Name	State	County	Township	Range	Section	Quadrant
1520210	Ute Tribal 2-10D	Utah	Duchesne	4S	4W	10	SW/4
1520215	Ute Tribal 2-15D	Utah	Duchesne	4S	4W	15	NW/NW
1520218	Ute Tribal 2-18D	Utah	Duchesne	5S	3W	18	SE/NE
1520310	Ute Tribal 3-10D	Utah	Duchesne	4S	4W	10	SE/SW
1520410	Ute Tribal 4-10D	Utah	Duchesne	4S	4W	10	NE/SE
1520417	Ute Tribal 4-17D	Utah	Duchesne	4S	4W	17	NW/SE
1520418	Ute Tribal 4-18D	Utah	Duchesne	4S	4W	18	NW/NW
1520610	Ute Tribal 6-10D	Utah	Duchesne	4S	4W	10	SE/NE
1520616	Ute Tribal 6-16D	Utah	Duchesne	4S	4W	16	NE/NW
1520716	Ute Tribal 7-16D	Utah	Duchesne	4S	4W	16	SE/NE
1520816	Ute Tribal 8-16D	Utah	Duchesne	4S	4W	16	NE/SE
1521009	Coyote Ute Tr. 10-9	Utah	Duchesne	4S	4W	9	NW/SE

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1- LCR/GRZ
2- DTS/LS
3- VLC
4- RJF
5- RWM
6- ADA

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator               Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-01-92)

TO (new operator)	<u>EVERTSON OIL COMPANY INC</u>	FROM (former operator)	<u>COORS ENERGY</u>
(address)	<u>PO BOX 397</u>	(address)	<u>PO BOX 467</u>
	<u>KIMBALL, NEBRASKA 69145</u>		<u>GOLDEN, COLORADO 80402-0467</u>
	<u>BRUCE F. EVERTSON, PRES.</u>		<u>DOUG SPRAGUE, MGR</u>
	phone ( <u>308</u> ) <u>235-4871</u>		phone ( <u>303</u> ) <u>278-7030</u>
	account no. <u>N 6350 (11-24-92)</u>		account no. <u>N 5090</u>

Well(s) (attach additional page if needed):

Name: <u>*SEE ATTACHMENT</u>	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-92) (Reg. UIC Form 57)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 9-14-92) (Rec'd 9-25-92)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) (no) \_\_\_\_ If yes, show company file number: # 163850. *Eff. 8-24-92*.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-25-92)*
6. Cardex file has been updated for each well listed above. *(12-3-92)*
7. Well file labels have been updated for each well listed above. *(11-25-92)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ja* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- ja* 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- ja* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- ja* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date: \_\_\_\_\_ 19\_\_\_\_.

FILING

- ja* 1. Copies of all attachments to this form have been filed in each well file.
- ja* 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

921125 *Btm/Vernal "Operator still Coors Energy - Waiting on BIA approval."*

921125 *Operator changed per admin.*

# PETROGLYPH GAS PARTNERS, L.P.

335 NORTH WASHINGTON • SUITE 140  
P.O. BOX 1807 • HUTCHINSON, KS 67504-1807  
(316) 665-8500 • FAX (316) 665-5961

VIA FACSIMILE (801) 359-3940

February 16, 1994

FEB 18 1994

Lisha Cordova  
State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Ms. Cordova:

This letter is to advise you that effective February 1, 1994 Evertson Oil Company, Inc. intends to sell and Petroglyph Gas Partners, L.P. intends to purchase oil and gas properties located in Duchesne County, Utah as identified below:

<u>Well Name</u>	<u>API No.</u>
State 2-6	43-013-30891
Ute Tribal 1	43-013-20045
Ute Tribal 1-10	43-013-30805
Ute Tribal 1-10D	43-013-31211
Ute Tribal 1-15	43-013-30880
Ute Tribal 1-15D	43-013-30712
Ute Tribal 1-16	43-013-30804
Ute Tribal 1-17	43-013-30790
Ute Tribal 1-18	43-013-30761
Ute Tribal 1-19	43-013-30803
Ute Tribal 1-20	43-013-30764
Ute Tribal 1-20D	43-013-31239
Ute Tribal 1-21	43-013-30883
Ute Tribal 1-24D	43-013-31234
Ute Tribal 1-28	43-013-30802
Ute Tribal 1-29	43-013-30763
Ute Tribal 1-3	43-013-30823
Ute Tribal 1-30	43-013-30852
Ute Tribal 1-32	43-013-30853
Ute Tribal 1-33	43-013-30806
Ute Tribal 1-3D	43-013-31242
Ute Tribal 1-4	43-013-30762
Ute Tribal 1-5	43-013-30785
Ute Tribal 1-6	43-013-30793
Ute Tribal 1-7	43-013-30788
Ute Tribal 1-7D	43-013-31198

Ute Tribal 1-8	43-013-30759
Ute Tribal 2-10	43-013-31187
Ute Tribal 2-10D	43-013-31219
Ute Tribal 2-15D	43-013-31200
Ute Tribal 2-16	43-013-31166
Ute Tribal 2-18	43-013-31166 <i>43-013-30821</i>
<del>Ute Tribal 2-18D</del>	<del>43-013-30881</del> <i>43-013-31212 / Dr.</i>
Ute Tribal 2-20	43-013-30882
Ute Tribal 2-29	43-013-30849
Ute Tribal 2-3	43-013-31097
Ute Tribal 2-31	43-013- <del>30827</del> <i>31188</i>
Ute Tribal 2-4	43-013-30879 <i>(w/w)</i>
Ute Tribal 2-5	43-013-30824
Ute Tribal 2-7	43-013-30825
Ute Tribal 2-8	43-013-30826
Ute Tribal 2-8D	43-013-31199
Ute Tribal 2-9	43-013-30789
Ute Tribal 3	43-013-15319
Ute Tribal 3-10D	43-013-31217 <i>(w/w) Has not comm.</i>
Ute Tribal 3-20	43-013-31175
Ute Tribal 3-29	43-013-30850
Ute Tribal 3-4	43-013-30878
Ute Tribal 3-5-E3	43-013-30938
Ute Tribal 3-7	43-013-30828
Ute Tribal 3-8	43-013-31101
Ute Tribal 4	43-013-15321 <i>(w/w)</i>
Ute Tribal 4-10D	43-013-31226
Ute Tribal 4-17D	43-013-31201
Ute Tribal 4-18	43-013-31099
Ute Tribal 4-18D	43-013-30838
Ute Tribal 4-29	43-013-30851
Ute Tribal 4-4	43-013-30848
Ute Tribal 4-5	43-013-31306
Ute Tribal 4-8	43-013-31164
Ute Tribal 4-9	43-013-31165
Ute Tribal 5	43-013-15322
Ute Tribal 5-18	43-013-31180
Ute Tribal 5-29-E3	43-013-30939
Ute Tribal 5-8	43-013-31307
Ute Tribal 6	43-013-15323
Ute Tribal 6-10D	43-013-31236
Ute Tribal 6-16D	43-013-31204
Ute Tribal 6-29	43-013-31305
Ute Tribal 6-4	43-013-31100
Ute Tribal 7	43-013-15324
Ute Tribal 7-16D	43-013-31221

Page 3  
Change of Operator Notice  
Duchesne County, Utah  
February 16, 1994

Ute Tribal 7-29	43-013-31339 (DEL)
Ute Tribal 8	43-013-30028
Ute Tribal 8-16D	43-013-31220
Ute Tribal 1-21D	43-013-31347
Ute Tribal 1-22D	43-013-31349

*Petroglyph Operating Company, Inc.*, a wholly owned subsidiary of Petroglyph Gas Partners, L.P., will be the operator of these properties. At this time, we request a state assigned operator number.

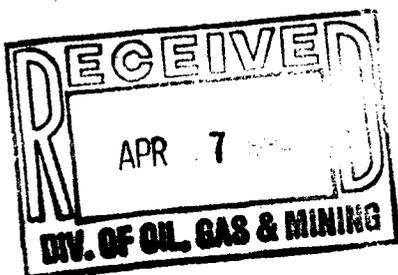
We are also notifying the BLM, BIA and the Ute Tribe regarding this change of operator. Please forward this letter to anyone in the State office who may need to have this information. If you have any questions or need further assistance, please feel free to contact me at (316) 665-8500.

Sincerely,



Angela R. Bare  
Operations Administrator

ARB/ms



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

BOND NO. BO4528

## COLLECTIVE BOND

KNOW ALL MEN BY THESE PRESENTS, That we, PETROGLYPH GAS PARTNERS, L. P. AND INLAND RESOURCES INC.,  
OF: 335 North Washington, #170, Hutchinson, KS 67501, as principals

and PLANET INDEMNITY COMPANY

of 410 17th St., #1675, Denver, CO 80202, as surety, are held and firmly bound unto  
the United States of America in the sum of seventy-five thousand dollars (\$75,000),  
lawful money of the United States, for the payment of which, well and truly to be made,  
we bind ourselves and each of us, our and each of our heirs, successors, executors,  
administrators, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this 16th day of March, 19 94.

The condition of this obligation is such that whereas the said principals, as lessee  
have heretofore or may hereafter enter into or otherwise acquire an interest in oil and  
gas mining leases on the Uintah and Ouray Reservation in the State of Utah, of various  
dates and periods of duration, covering lands or interests in lands held by the United  
States in trust for individual Indians, or bands or tribes of Indians, or subject to  
restrictions against alienation without the consent of the Secretary of the Interior, or  
his authorized representative, which leases and permits have been or may hereafter be  
granted or approved by the Secretary of the Interior, or his authorized representative,  
and the identification of which herein is expressly waived by both principals and  
surety hereto.

WHEREAS the principals and surety agree that the coverage of this bond shall extend  
to and include all extensions and renewals of the leases and permits covered by this  
bond, such coverage to continue without any interruption due to the expiration of the  
term set forth therein.

WHEREAS the surety hereby waives any right to notice of any modification of any  
such lease or permit, or obligation thereunder whether effected by extension of time  
for performance, by commitment of such lease to unit, cooperative, or communitization  
agreement, by waiver, suspension, or change in rental, except an increase thereof, by  
minimum royalty payment, except an increase thereof, by compensatory royalty payment,  
or otherwise, this bond to remain in full force and effect notwithstanding.

WHEREAS the principals and surety agree that the neglect or forbearance of any  
obligee under this bond in enforcing the payment of any rental or royalty or the  
performance of any other covenant, condition, or agreement of any such lease or permit  
shall not in any way release the principals and surety, or either of them, from  
any liability under this bond; and

WHEREAS the principals and surety agree that in the event of any default under  
any such lease or permit, the obligee may prosecute any claim, suit, action, or other  
proceeding against the principals and surety, or either of them, without the  
necessity of joining the other.

Now, if the said principal, herein shall faithfully carry out and observe all the obligations assumed in such leases and permits to which Petroglyph Gas Partners, L. P. and Inland Resources Inc. is now or may hereafter become a party, and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all rules and regulations that have been or shall hereafter be lawfully prescribed by the Secretary of the Interior relative to such mining leases and permits, and shall in all particulars comply with the provisions of such leases, permits, rules, and regulations, then this obligation shall be null and void; otherwise, to remain in full force and effect.

The rate of premium charged on this bond is \$ \_\_\_\_\_; the total premium paid is \_\_\_\_\_

Signed and sealed in the presence of

WITNESSES:\*

By: Dorinda L. Thode )

P. O. \_\_\_\_\_ )

By: [Signature] )

P. O. \_\_\_\_\_ )

By: Nancy Gray )

8 Greenway Plaza Suite 400 )  
P. O. Houston, TX 77046 )

By: Sue Haas )

8 Greenway Plaza, Suite 400 )  
P. O. Houston, TX 77046 )

By: [Signature] )

475 17th Street, Suite 1500 )  
P. O. Denver, CO 80202 )

By: Janet K. Specht )

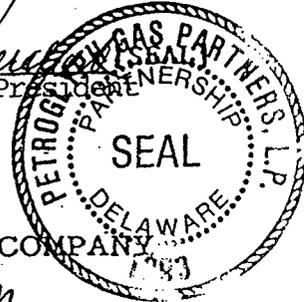
475 17th Street, Suite 1500 )  
P. O. Denver, CO 80202 )

\* Two witnesses to all signatures

PETROGLYPH GAS PARTNERS, L. P.

BY: [Signature] )  
General Partner )

as to Robert C. Murdock )  
ROBERT C. MURDOCK, President )



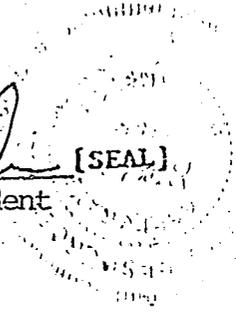
PLANET INDEMNITY COMPANY

as to Mildred L. Massey [SEAL]

Mildred L. Massey, Attorney-in-Fact  
410 17th Street, Suite 1675  
Denver, CO 80202

INLAND RESOURCES, INC.

as to [Signature] [SEAL]  
KYLE H. MILLER, President



APPROVED:

DEPARTMENT OF THE INTERIOR  
Bureau of Indian Affairs

19

Superintendent

GENERAL POWER OF ATTORNEY

CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That PLANET INDEMNITY COMPANY, a corporation organized and existing under the laws of the State of Colorado, and having its principal office in the City of Denver, Colorado does hereby constitute and appoint:

MILDRED L. MASSEY

its true and lawful attorney-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, in an amount not to exceed:

\*\*\*\*\*SEVENTY-FIVE THOUSAND AND NO/100 DOLLARS\*\*\*\*\*

and the execution of all such instrument(s) in pursuance of these presents, shall be binding upon said PLANET INDEMNITY COMPANY as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be certified to and may be revoked, pursuant to and by authority of Article V, Section 6(C) of the By-Laws adopted by the Board of Directors of PLANET INDEMNITY COMPANY, at a meeting called and held on this third day of March, 1987, of which the following is a true transcript of said Section 6(C):

- "The President or any Vice President, Assistant Vice President, Secretary or Resident Secretary shall have power and authority
- (1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and
- (2) to appoint special Attorneys-in-fact, who are hereby authorized to certify to copies of any power-of-attorney issued in pursuance of this section and/or any of the By-laws of the Company, and
- (3) to remove, at any time, any such Attorney-in-fact or Special Attorney-in-fact and revoke the authority given to him."

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the third day of March, 1987, of which the following is a true excerpt:

"Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN TESTIMONY WHEREOF, PLANET INDEMNITY COMPANY has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, E. H. Frank, III, on this the twenty eighth day of August, 1991.



*E.H. Frank III*

President

E.H. Frank, III

STATE OF COLORADO  
COUNTY OF DENVER

On this 28th Day of August, 1991, before me came the individual who executed the preceding instrument, to me personally known, and, being duly sworn, said that he is the therein described and authorized officer of PLANET INDEMNITY COMPANY; that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the city of Denver, Colorado, the day and year first above written.



*Margo J. Breinholt*

Notary Public, Denver County, Colorado

CERTIFICATION

I, the undersigned officer of PLANET INDEMNITY COMPANY, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 16th day of March, 19 94



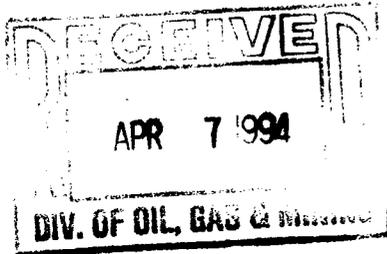
*Greg E. Chilson*

Assistant Secretary

Greg E. Chilson

Only a certified copy of Power of Attorney bearing the Certificate of Authority No. printed in red on the upper right corner is binding. Photocopies, carbon copies or other reproductions of this document are invalid and not binding upon the Company.

ANY INSTRUMENT ISSUED IN EXCESS OF THE PENALTY AMOUNT STATED ABOVE IS TOTALLY VOID AND WITHOUT VALIDITY.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

BOND NO. B04556

## COLLECTIVE BOND

KNOW ALL MEN BY THESE PRESENTS, That we, PETROGLYPH OPERATING COMPANY, INC.  
OF: 335 North Washington, Suite 170, Hutchinson, KS 67501, as principal  
and PLANET INDEMNITY COMPANY  
of 410 17th Stree, #1675, Denver, CO 80202, as surety, are held and firmly bound unto  
the United States of America in the sum of seventy-five thousand dollars (\$75,000),  
lawful money of the United States, for the payment of which, well and truly to be made,  
we bind ourselves and each of us, our and each of our heirs, successors, executors,  
administrators, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this 16th day of March, 19 94.

The condition of this obligation is such that whereas the said principal, as lessee  
has heretofore or may hereafter enter into or otherwise acquire an interest in oil and  
gas mining leases on the Uintah and Ouray Reservation in the State of Utah, of various  
dates and periods of duration, covering lands or interests in lands held by the United  
States in trust for individual Indians, or bands or tribes of Indians, or subject to  
restrictions against alienation without the consent of the Secretary of the Interior, or  
his authorized representative, which leases and permits have been or may hereafter be  
granted or approved by the Secretary of the Interior, or his authorized representative,  
and the identification of which herein is expressly waived by both principal and  
surety hereto.

WHEREAS the principal and surety agree that the coverage of this bond shall extend  
to and include all extensions and renewals of the leases and permits covered by this  
bond, such coverage to continue without any interruption due to the expiration of the  
term set forth therein.

WHEREAS the surety hereby waives any right to notice of any modification of any  
such lease or permit, or obligation thereunder whether effected by extension of time  
for performance, by commitment of such lease to unit, cooperative, or communitization  
agreement, by waiver, suspension, or change in rental, except an increase thereof, by  
minimum royalty payment, except an increase thereof, by compensatory royalty payment,  
or otherwise, this bond to remain in full force and effect notwithstanding.

WHEREAS the principal and surety agree that the neglect or forbearance of any  
obligee under this bond in enforcing the payment of any rental or royalty or the  
performance of any other covenant, condition, or agreement of any such lease or permit  
shall not in any way release the principal and surety, or either of them, from  
any liability under this bond; and

WHEREAS the principal and surety agree that in the event of any default under  
any such lease or permit, the obligee may prosecute any claim, suit, action, or other  
proceeding against the principal and surety, or either of them, without the  
necessity of joining the other.

Now, if the said principal, herein shall faithfully carry out and observe all the obligations assumed in such leases and permits to which Petroglyph Operating Company, Inc is now or may hereafter become a party, and shall observe all the laws of the United States and regulations made, or which shall be made thereunder, for the government of trade and intercourse with Indian tribes, and all rules and regulations that have been or shall hereafter be lawfully prescribed by the Secretary of the Interior relative to such mining leases and permits, and shall in all particulars comply with the provisions of such leases, permits, rules, and regulations, then this obligation shall be null and void; otherwise, to remain in full force and effect.

The rate of premium charged on this bond is \$ \_\_\_\_\_; the total premium paid is \_\_\_\_\_

Signed and sealed in the presence of

WITNESSES:\*

By: *Dorinda G. Rhode* )

P. O. \_\_\_\_\_ )

By: *A. K. [Signature]* )

P. O. \_\_\_\_\_ )

By: *Nancy Cruz* )

P. O. 8 Greenway Plaza, Suite 400 )  
Houston, Texas 77046 )

By: *Sue [Signature]* )

P. O. 8 Greenway Plaza, Suite 400 )  
Houston, Texas 77046 )

*[Signature]* )

P. O. 475 17th Street, Suite 1500 )  
Denver, CO 80202 )

*[Signature]* )

P. O. 475 17th Street, Suite 1500 )  
Denver, CO 80202 )

\* Two witnesses to all signatures

APPROVED:

PETROGLYPH OPERATING COMPANY, INC.

as to *R. A. Christensen* )  
R. A. CHRISTENSEN, President )



PLANET INDEMNITY COMPANY

as to *Mildred L. Massey* [SEAL]

Mildred L. Massey, Attorney-in-Fact  
410 17th Street, Suite 1675  
Denver, CO 80202

as to *[Signature]* [SEAL]

DEPARTMENT OF THE INTERIOR  
Bureau of Indian Affairs

19

Superintendent

GENERAL POWER OF ATTORNEY

CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That PLANET INDEMNITY COMPANY, a corporation organized and existing under the laws of the State of Colorado, and having its principal office in the City of Denver, Colorado does hereby constitute and appoint:

ROY C. DIE

its true and lawful attorney-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, in an amount not to exceed:

\*\*\*\*\*FIFTY THOUSAND AND NO/100 DOLLARS\*\*\*\*\*

and the execution of all such instrument(s) in pursuance of these presents, shall be binding upon said PLANET INDEMNITY COMPANY as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office.

This Power of Attorney is executed, and may be certified to and may be revoked, pursuant to and by authority of Article V, Section 6(C) of the By-Laws adopted by the Board of Directors of PLANET INDEMNITY COMPANY, at a meeting called and held on this third day of March, 1987, of which the following is a true transcript of said Section 6(C):

- "The President or any Vice President, Assistant Vice President, Secretary or Resident Secretary shall have power and authority (1) To appoint Attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (2) to appoint special Attorneys-in-fact, who are hereby authorized to certify to copies of any power-of-attorney issued in pursuance of this section and/or any of the By-laws of the Company, and (3) to remove, at any time, any such Attorney-in-fact or Special Attorney-in-fact and revoke the authority given to him."

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of said Company adopted at a meeting duly called and held on the third day of March, 1987, of which the following is a true excerpt:

"Now therefore the signatures of such officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN TESTIMONY WHEREOF, PLANET INDEMNITY COMPANY has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, E. H. Frank, III, on this the twenty eighth day of August, 1991.



E.H. Frank, III

President

STATE OF COLORADO COUNTY OF DENVER

On this 28th Day of August, 1991, before me came the individual who executed the preceding instrument, to me personally known, and, being duly sworn, said that he is the therein described and authorized officer of PLANET INDEMNITY COMPANY; that the seal affixed to said instrument is the Corporate Seal of said Company; that the said Corporate Seal and his signature were duly affixed by order of the Board of Directors of said Company.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal, at the city of Denver, Colorado, the day and year first above written.



Françoise J. Brenholz

Notary Public, Denver County, Colorado

CERTIFICATION

I, the undersigned officer of PLANET INDEMNITY COMPANY, do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Section of the By-Laws of said Company as set forth in said Power of Attorney, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of February, 1994



Greg E. Chilson

Assistant Secretary

Only a certified copy of Power of Attorney bearing the Certificate of Authority No. printed in red on the upper right corner is binding. Photocopies, carbon copies or other reproductions of this document are invalid and not binding upon the Company.

ANY INSTRUMENT ISSUED IN EXCESS OF THE PENALTY AMOUNT STATED ABOVE IS TOTALLY VOID AND WITHOUT VALIDITY.

LAW OFFICES OF

*morris, laing, evans, brock & kennedy, chartered*

FOURTH FLOOR, 200 WEST DOUGLAS, WICHITA, KANSAS 67202-3084  
TELEPHONE (316) 262-2671 FAX (316) 262-6226/262-5991

RALPH R. BROCK  
JOSEPH W. KENNEDY  
ROBERT I. GUENTHNER  
DAVID C. ADAMS  
KEN M. PETERSON  
RICHARD D. GREENE  
A. J. SCHWARTZ, JR.  
DONALD E. SCHRAG  
WILLIAM B. SORENSEN, JR.  
DENNIS M. FEENEY

JEFFERY L. CARMICHAEL  
ROBERT W. COYKENDALL  
ROBERT K. ANDERSON  
SUSAN R. SCHRAG  
ROBERT E. NUGENT  
MICHAEL LENNEN  
KARL R. SWARTZ  
ROGER L. THEIS  
JANA DEINES ABBOTT  
RICHARD F. HAYSE\*

THOMAS R. DOCKING  
GERALD N. CAPPS  
DIANE S. WORTH  
TIM J. MOORE  
GARY E. PATTERSON  
BRUCE A. NEY  
JANET H. WARD

\*RESIDENT IN  
TOPEKA OFFICE

ROBERT B. MORTON  
EVA POWERS\*  
OF COUNSEL

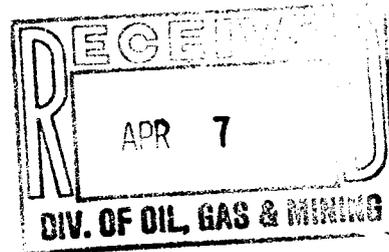
VERNE M. LAING  
RETIRED

LESTER L. MORRIS  
1901-1966

FERD E. EVANS, JR.  
1919-1991

April 5, 1994

Ms. Lisha Cordoba  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203



Re: Petroglyph Gas Partners, L. P.

Dear Ms Cordoba:

I have spoken with you on occasion in the past concerning Petroglyph Gas Partners, L. P.'s acquisition of a 50% interest in a number of oil and gas leases in Utah. Most of these leases are on the Uintah and Ouray, Ute Reservation near Duchesne. I am enclosing the following documents in regard to this acquisition:

1. Copy of Collective Bond No. B04528 in the principal amount of \$75,000 by Petroglyph Gas Partners, L. P. and Inland Resources Inc. as principal and Planet Indemnity Company as surety in favor of the Bureau of Indian Affairs;
2. Copy of Collective Bond No. B04556 in the principal amount of \$75,000 by Petroglyph Operating Company, Inc. as principal and Planet Indemnity Company as surety in favor of the Bureau of Indian Affairs;
3. Copy of Surety Performance Bond in the principal amount of \$45,000 by Petroglyph Operating Company, Inc. as Principal and Planet Indemnity Company as surety in favor of the U.S. Environmental Protection Agency;

TOPEKA OFFICE

800 S.W. JACKSON SUITE 914 TOPEKA, KS 66612-2214 TEL. (913) 232-2662 FAX (913) 232-9983

Page 2  
April 5, 1994

4. Twenty-eight (28) Form 5 Designation of Agent or Operator executed by Inland Resources Inc. designating Petroglyph Operating Company as Operator of the wells described therein, in triplicate;
5. Twenty-eight (28) Form 5 Designation of Agent or Operator executed by Petroglyph Gas Partners, L.P. designating Petroglyph Operating Company as Operator of the wells described therein, in triplicate;
6. Seventy-five (75) Form 9 Sundry Notice executed by Evertson Oil Company showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;
7. Seventy-five (75) Form 9 Sundry Notice executed by Petroglyph Gas Partners, L. P. showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;
8. UIC Form 5 Transfer of Authority to Inject for the Ute Tribal 2-4 SWDW, in triplicate;
9. UIC Form 5 Transfer of Authority to Inject for the Ute Tribal 4 SWDW, in triplicate; and
10. UIC Form 5 Transfer of Authority to Inject for the Ute Tribal 3-10D SWDW, in triplicate.

I thank you for your continued assistance with this matter. Please do not hesitate to give me a call if I have overlooked or omitted anything.

Sincerely,



Roger L. Theis  
For the Firm

RLT:mk

Enclosures

cc: Robert A. Christensen

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
14-20-H62- 3507

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Altiobe or Tribe Name:  
UTE TRIBAL

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name:  
N/A

1. Type of Well: OIL  GAS  OTHER:

8. Well Name and Number:  
Ute Tribal 5-8

2. Name of Operator:  
PETROGLYPH OPERATING COMPANY, INC.

9. API Well Number:  
43-013-31307

3. Address and Telephone Number:  
P. O. BOX 1807, Hutchinson, KS 67504-1807 316-665-8500

10. Field and Pool, or Wildcat:  
Antelope Creek Field  
Green River Pool

4. Location of Well  
Footage: 1550'FNL & 1550'FWL  
CO, Sec., T., R., M.: SE NW 8- T5S-R3W, U.S.M.

County: DUCHESNE  
State: UTAH

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other CHANGE OF OPERATOR
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date of change of work 3-1-94

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

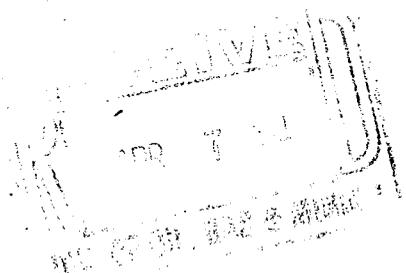
Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

change of operator from Evertson Oil Company, Inc. to Petroglyph Operating Company, Inc. effective 3-1-94



13. PETROGLYPH OPERATING COMPANY, INC.

Name & Signature: [Signature]

Title: President

Date: 3-25-94

R. A. CHRISTENSEN

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
14-20-H62- 3507

6. If Indian, Altiabee or Tribe Name:  
UTE TRIBAL

7. Unit Agreement Name:  
N/A

8. Well Name and Number:  
Ute Tribal 5-8

9. API Well Number:  
43-013-31307

10. Field and Pool, or Wilcox:  
Antelope Creek Field  
Green River Pool

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator: EVERTSON OIL COMPANY, INC.

3. Address and Telephone Number:  
P.O.Box 397, Kimball, NE 69145 308-235-4871

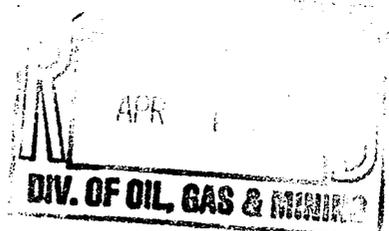
4. Location of Well  
Footage: 1550'FNL & 1550'FWL  
County: DUCHESNE  
CO. Sec., T., R., M.: SE NW 8- T5S-R3W, U.S.M. State: UTAH

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other CHANGE OF OPERATOR	<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Date of work completion: of change 3-1-94 Approximate date work was started:	Date of work completion: _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

change of operator from Evertson Oil Copmany, Inc. to Petroglyph Operating Company, Inc. effective 3-1-94



13. Name & Signature: Bruce F. Evertson Title: V. President Date: 2-25-94

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: UTE TRIBAL

LEASE NUMBER: 14-20-H62-3507

and hereby designates

NAME: PETROGLYPH OPERATING COMPANY, INC.

ADDRESS: P.O.Box 1807, Hutchinson, KS 67504-1807

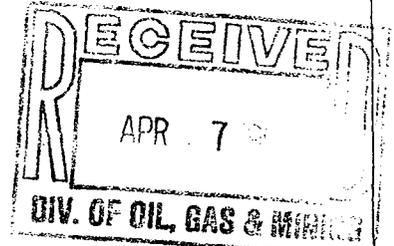
as his agent  operator  with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.

T5S-R3W, U.S.M. ALL SEC. 8

UTE 1-8, 43-013-30759; UTE 2-8, 43-013-30826; UTE 3-8, 43-013-3 1101; UTE 4-8, 43-013-31164; UTE 5-8, 43-013-31307

Duchesne County, Utah



It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 3-1-94

BY: (Name) ROBERT C. MURDOCK

(Signature) Robert C. Murdock

(Title) PRESIDENT OF PETROGLYPH ENERGY, INC.

(Phone) 316-665-8500

OF: (Company) PETROGLYPH GAS PARTNERS, L.P.

BY PETROGLYPH ENERGY, INC.,

(Address) GENERAL PARTNER  
P. O. BOX 1807

Hutchinson, KS 67504-1807

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: UTE TRIBAL

LEASE NUMBER: 14-20-H62-3507

and hereby designates

NAME: PETROGLYPH OPERATING COMPANY, INC.

ADDRESS: P. O. BOX 1807, Hutchinson, KS 67504-1807

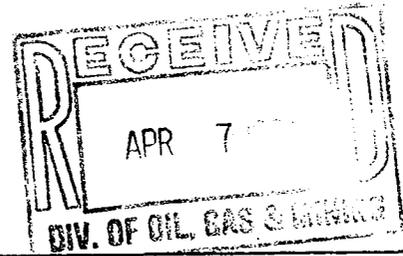
as his agent  operator  with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable, and identify each applicable oil and gas well by name and API number. Attach additional pages as needed.)

T5S-R3W, U.S.M. ALL SEC. 8

UTE 1-8, 43-013-30759; UTE 2-8, 43-013-30826; UTE 3-8, 43-013-3 1101; UTE 4-8, 43-013-31164; UTE 5-8, 43-013-31307

Duchesne County, Utah



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The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 3-1-94

BY: (Name) KYLE R. MILLER

(Signature) [Handwritten Signature]

(Title) President

(Phone) 303-292-0900

OF: (Company) INLAND RESOURCES INC.

(Address) 475 Seventeenth St., Suite 1500

Denver, CO 80202

LAW OFFICES OF

*morris, laing, evans, brock & kennedy, chartered*

FOURTH FLOOR, 200 WEST DOUGLAS, WICHITA, KANSAS 67202-3084  
TELEPHONE (316) 262-2671 FAX: (316) 262-6226/262-5991

RALPH R. BROCK  
JOSEPH W. KENNEDY  
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TOPEKA OFFICE

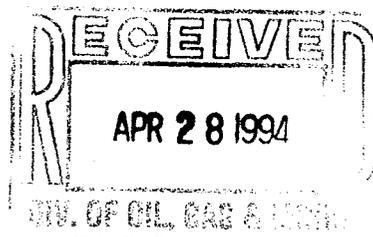
ROBERT B. MORTON  
EVA POWERS\*  
OF COUNSEL

VERNE M. LAING  
RETIRED

LESTER L. MORRIS  
1901-1966  
FERD E. EVANS, JR.  
1919-1991

April 25, 1994

Ms. Lisha Cordoba  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203



Re: Petroglyph Gas Partners, L. P.

Dear Ms Cordoba:

Enclosed in triplicate per our recent conversations are Sundry Notices pertaining to the Ute Tribal 1-29, 2-5, 5-29E3, and #8 wells which were inadvertently initially overlooked in this transaction as follows:

1. Form 9 Sundry Notice executed by Evertson Oil Company showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;
2. Form 9 Sundry Notice executed by Petroglyph Gas Partners, L. P. showing the change in Operations from Evertson Oil Company to Petroglyph Operating Company;

I thank you for your continued assistance with this matter. Please do not hesitate to give me a call if you need anything further.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger L. Theis". The signature is fluid and cursive, written over a horizontal line.

Roger L. Theis  
For the Firm

RLT:mk

Enclosures

cc: Robert A. Christensen

TOPEKA OFFICE

800 S.W. JACKSON SUITE 914 TOPEKA, KS 66612-2214 TEL. (913) 232-2662 FAX (913) 232-9983



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

IN REPLY REFER TO:  
**3162.3**  
(UT08438)

JUN 9 9 1994

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

Re: See attached list for the  
well numbers and lease  
numbers  
Duchesne County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced wells. After a review by this office, the change in operator request is approved. Effective immediately, Petroglyph Operating Company, Inc., is responsible for all operations performed on the referenced wells. All liability will now fall under your bond, a \$75,000 BIA Collective Bond, for all operations conducted on the referenced wells on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager for Minerals

cc: Evertson Oil Company  
BIA

etraglyph - Assignments, and Change of Operator

Township 5 South, Range 3 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
4-20-H62-3502	3	✓ Ute Tribal 1-3 ✓ Ute Tribal 2-3	SWSW SESW
4-20-H62-3503	4	✓ Ute Tribal 1-4 ✓ Ute Tribal 2-4 SWD ✓ Ute Tribal 3-4 ✓ Ute Tribal 4-4 ✓ Ute Tribal 6-4	NENE SWNE NESW SWSW SESW
4-20-H62-3504	5	✓ Ute Tribal 1-5 ✓ Ute Tribal 2-5 ✓ Ute Tribal 3-5 E3 ✓ Ute Tribal 4-5	SWNE SWSW NWSE SENE
4-20-H62-3505	6	✓ Ute Tribal 1-6* ✓ Ute Tribal 3-6	SESE SENE
4-20-H62-3506	7	✓ Ute Tribal 1-7* ✓ Ute Tribal 2-7 ✓ Ute Tribal 3-7	SESW NENE SENE
14-20-H62-3507	8	✓ Ute Tribal 1-8 ✓ Ute Tribal 2-8 ✓ Ute Tribal 3-8 ✓ Ute Tribal 4-8 ✓ Ute Tribal 5-8	NWNW SWNW NENW NWSW SENW
14-20-H62-3508	9	✓ Ute Tribal 2-9 ✓ Ute Tribal 4-9	NENE SWSE
14-20-H62-3509	10	✓ Ute Tribal 1-10 ✓ Ute Tribal 2-10	NWNW NENW

Township 5 South, Range 3 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
14-20-H62-3510	15	✓ Ute Tribal 1-15	NWNW
14-20-H62-3511	16	✓ Ute Tribal 1-16* ✓ Ute Tribal 2-16	SESE SWSW
14-20-H62-4633	17	✓ Ute Tribal 1-17*	NENE
14-20-H62-3513	18	✓ Ute Tribal 1-18 ✓ Ute Tribal 2-18 ✓ Ute Tribal 4-18 ✓ Ute Tribal 5-18	NENE SENE NWNW NESE
14-20-H62-3514	19	✓ Ute Tribal 1-19	SESE
14-20-H62-3515	20	✓ Ute Tribal 1-20 ✓ Ute Tribal 2-20 ✓ Ute Tribal 3-20*	NWNW SWNE SENE
14-20-H62-3516	21	✓ Ute Tribal 1-21	SWSW
14-20-H62-3517	28	✓ Ute Tribal 1-28	SWNW
14-20-H62-3518	29	✓ Ute Tribal 1-29 ✓ Ute Tribal 2-29 ✓ Ute Tribal 3-29 ✓ Ute Tribal 4-29 ✓ Ute Tribal 5-29E3 ✓ Ute Tribal <del>7-29</del> 6-29 ✓ Ute Tribal 7-29	NESE SESE SENE NWNW SWNE SENE NESE
14-20-H62-3519	30	✓ Ute Tribal 1-30	SWNE
14-20-H62-3520	31	✓ Ute Tribal 1-31* ✓ Ute Tribal 2-31	NWNW NENW
14-20-H62-3521	32	✓ Ute Tribal 1-32	SENE
14-20-H62-3522	33	✓ Ute Tribal 1-33	NENW

(\*) = Lease No. incorrect on Sundry Notice submitted

Township 4 South, Range 4 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
14-20-H62-4446	3	✓Ute Tribal 1-3D	SESE
14-20-H62-4453	22	✓Ute Tribal 1-22D	NENW
14-20-H62-4454	10	✓Ute Tribal 6-10D	SENE
14-20-H62-4455	21	✓Ute Tribal 1-21D	NENW
14-20-H62-4465	20	✓Ute Tribal 1-20D	NWNE
14-20-H62-4466	24	✓Ute Tribal 1-24D	NWNW

Township 4 South, Range 4 West, USM

<u>Lease No.</u>	<u>Section No.</u>	<u>Well Name</u>	<u>Location</u>
H109-IND-5351	7	✓Ute Tribal 1-7D	SESE
	8	✓Ute Tribal 2-8D	NWSE
	9	✓Ute Tribal #1	NWSW
	10	✓Ute Tribal 1-10D	SWSE
	10	✓Ute Tribal 2-10D	SWSW
	10	✓Ute Tribal 3-10D	SESW
	10	✓Ute Tribal 4-10D	NESE
	15	✓Ute Tribal 1-15D	SWSW
	15	✓Ute Tribal 2-15D	NWNW
	16	✓Ute Tribal #3	SENE
	16	✓Ute Tribal #5	SWNW
	16	✓Ute Tribal 6-16D	NENW
	16	✓Ute Tribal 7-16D	SENE
	16	✓Ute Tribal #8	NWNW
	16	✓Ute Tribal 8-16D	NESE
	16	✓Ute Tribal 14-16D	NENW
	17	✓Ute Tribal #6	SWNE
	17	✓Ute Tribal #7	SWNW
	17	✓Ute Tribal 4-17D	NWSE
	18	✓Ute Tribal 2-18D	NESE
18	✓Ute Tribal 4-18D	NWNW	

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing	
1- LEC / GIL	
2- LWP 7-PL	
3- DTS/8-SJ	✓
4- VLC/9-FILE	
5- RJF	✓
6- LWP	✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator               Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-1-94)

TO (new operator)	<u>PETROGLYPH OPERATING CO.</u>	FROM (former operator)	<u>EVERTSON OIL COMPANY INC</u>
(address)	<u>PO BOX 1839</u>	(address)	<u>PO BOX 397</u>
	<u>HUTCHINSON, KS 67504-1839</u>		<u>KIMBALL, NE 69145</u>
	<u>ANGELA BARE</u>		
	phone ( <u>316</u> ) <u>665-8500</u>		phone ( <u>308</u> ) <u>235-4871</u>
	account no. <u>N3800</u>		account no. <u>N6350</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31307</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 2-24-94) (Rec'd 4-7-94)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 2-18-94) (Rec'd 4-7-94)
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #C0180242. (ch. 2-18-94)
- See 4. (**For Indian and Federal Wells ONLY**) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (7-8-94)
- See 6. Cardex file has been updated for each well listed above. 7-11-94
- See 7. Well file labels have been updated for each well listed above. 7-11-94
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (7-6-94)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Yes* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

**BOND VERIFICATION (Fee wells only)**

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- Yes* 2. A copy of this form has been placed in the new and former operators' bond files.
- Yes* 3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date 7/21/94 1994. If yes, division response was made by letter dated 7/21/94 1994.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 7/21/94 1994, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State Leases.

**FILMING**

1. All attachments to this form have been microfilmed. Date: July 29 1994.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

**COMMENTS**

*940706 Bha/Wernal Apr. 6-30-94.*  
*\* (1 st. lease well handled separately)*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VIII  
999 18th STREET - SUITE 500  
DENVER, COLORADO 80202-2466

RECEIVED  
JUL 18 1994

## UNDERGROUND INJECTION CONTROL PROGRAM

Final Area Permit

Class II Enhanced Recovery Unit

EPA Area Permit No. UT2736-00000

Field Name: Antelope Creek

Unit Name: Antelope Creek Waterflood

County & State: Duchesne County, Utah

issued to:

Petroglyph Operating Company, Inc.

6209 North Highway 61

Hutchinson, Kansas 67502



Printed on Recycled Paper

81 55

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## PART I. AUTHORIZATION TO CONVERT/OR CONSTRUCT AND INJECT

Pursuant to the Underground Injection Control Regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations, Parts 124, 144, 146, and 147,

Petroglyph Operating Company, Inc.  
6209 North Highway 61  
Hutchinson, Kansas 67502

is hereby authorized, under this area permit, to convert four (4) existing oil production wells to Class II enhanced recovery injection wells located within the Antelope Creek Field, Duchesne County, Utah. Each of these proposed wells are located within the permitted area which is defined as follows:

Township 5 South, Range 3 West, Duchesne County, Utah

Sections 2, 3, 4, 5, 6 (SE/4 of SE/4), 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, and 33.

The Area of Review (AOR) is defined as that area subtended by a line drawn one-quarter (1/4) mile beyond and around the boundaries described above. All of The Sections in T5S-R3W listed above are within the boundaries of the Uintah-Ouray Indian Reservation.

Injection will be for the purpose of enhanced recovery of oil so that Petroglyph Operating Company, Inc. may economically produce oil from the Antelope Creek Field, in accordance with conditions set forth herein, and initially utilizing the following currently existing production wells located in T5S-R3W:

<u>WELL NAME</u>	<u>LOCATION</u>	<u>EPA PERMIT NO.</u>
Ute Tribal #1-8	NW/4 of NW/4 Section 8	UT2736-04201
Ute Tribal #5-8	SE/4 of NW/4 Section 8	UT2736-04203
Ute Tribal #4-18	NW/4 of NE/4 Section 18	UT2736-04202
Ute Tribal #5-18	NE/4 of SE/4 Section 18	UT2736-04204

Injection activities shall not commence until the operator has fulfilled all applicable conditions of this permit and has received written authorization from the Director. "Prior to Commencing Injection" requirements are set forth in Part II, Section C. 1. & 2. of this permit.

All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this permit becomes effective.

This permit consists of a total of 46 pages and includes all items listed in the Table of Contents. Further, it is based upon representations made by the permittee and on other information contained in the administrative record. **It is the responsibility of the permittee to read and understand all provisions of this permit.**

This area permit and the authorization to inject are issued for the operating lives of the wells, unless terminated (Part III, Section B); **authorization to inject shall automatically expire due to prolonged postponement of conversion [Part II, Section A. 1. (b)].** The area permit will be reviewed by EPA at least every five (5) years to determine whether action under 40 CFR §144.36(a) is warranted.

The Northern Ute Indian Tribe of the Uintah-Ouray Reservation may apply for primary enforcement responsibility of the UIC program, thereby assuming primary responsibility for regulating this permittee. Notwithstanding approval of the Tribal UIC primacy application, EPA retains responsibility for directly administering and enforcing this federal permit, unless otherwise specifically addressed in the EPA/Tribe MOA (40 CFR §145.25). If EPA determines that the Tribe has issued an equivalent permit under an EPA approved UIC program, EPA and the permittee may agree to terminate this federal permit.

Issued this 12th day of July, 1994.

This permit shall become effective July 12, 1994.



\* Max H. Dodson  
Director  
Water Management Division

NOTE: The person holding this title is referred to as the "Director" throughout this permit.

## PART II. SPECIFIC PERMIT CONDITIONS

### A. WELL CONVERSION/CONSTRUCTION REQUIREMENTS

#### 1. Casing and Cementing.

- (a) The proposed conversion details submitted with the application are hereby incorporated into this permit as Appendix A, which graphically displays the present casing and cementing details. These plans have been reviewed by the EPA and are consistent with underground injection control (UIC) requirements and shall be binding on the permittee.
- (b) Postponement of conversion. If at least one of the wells under consideration is not converted to injection status within one (1) year from the effective date of this permit, the permit shall automatically expire. The permittee may request an extension for the conversion of the first well. This request shall be in writing to the Director, and shall state the reasons for the delay in conversion, and confirm the protection of all underground sources of drinking water (USDWs). The extension under this section may not exceed one (1) year.

Financial responsibility shall be maintained during the period of inactivity in accordance with Part II, Section F. Once a permit expires under this part, the full permitting process, including opportunity for public comment, must be repeated before authorization to inject will be reissued.

#### 2. Requirements for Additional Wells. The permittee may convert and/or construct and operate additional wells within the permitted area, provided that all additional wells meet all conditions as set forth in the permit. All sections of this permit apply to any additional well(s) approved for injection.

##### (a) Casing and Cementing.

- (i) For any newly drilled injection well(s) constructed under this provision, the long string and surface casing shall be secured to the wellbore, with cement, through any subsurface intervals associated with USDWs.

- (ii) For any converted well(s), the long string and surface casing shall be secured to the wellbore in a manner similar to construction standards required of the proposed injection well(s) listed in this permit.
- (b) Conversion/Construction Notification Requirement. The permittee shall give the Director thirty (30) days notice before proceeding with any activity with an additional well(s). Also the permittee shall submit a plan consisting of a well schematic and construction details, or modifications, for any such proposed enhanced recovery injection well(s). The plan must first be approved by the Director, and the permittee shall not begin implementation of the plan until after receiving written authorization from the Director.
- (c) Formation Logging and Testing. All required testing and logging has been performed in accordance with Part II, Section 6. (a) & (b). For wells being converted (from production to injection), only those logs or tests which can physically be performed are required.
- (d) Area of Review (AOR) Requirements. In conjunction with (b) above, the permittee shall submit information on any well, within a 1/4-mile of the Area Permit boundary, which was not included in the original application. This information shall include the well location, casing and cementing details, top of cement (calculated or logged), depths to tops and bottom of any USDWs, formation depths, and P&A plan(s).
- (e) Corrective Action. For any wells, that penetrate the injection zone within the AOR, which are improperly sealed, completed, or abandoned, the Director may require such corrective action as is necessary to prevent movement of fluid out of the injection zone and into USDWs. Requirements may include such actions as remedial well construction or injection pressure limitations.
3. Tubing and Packer Specifications. The injection wells will be equipped with 2-7/8 inch tubing, with a packer set above the injection zone. The permittee is required to set the packer at a distance of no more than 100 feet above the uppermost perforations.

4. Monitoring Devices. The operator shall provide and maintain in good operating condition:
- (a) a tap on the suction line for the purpose of obtaining representative samples of the injection fluids;
  - (b) two (2), one-half (1/2) inch Female Iron Pipe (FIP) fittings, isolated by plug or globe valves, and located: 1) at the wellhead on the tubing; and 2) on the tubing/casing annulus, and positioned to allow attachment of 1/2 inch Male Iron Pipe (MIP) gauges or the attachments for equivalent "quick-disconnect" gauges.

The operator shall always have in his possession calibrated gauges for the use of their field personnel to monitor tubing injection pressure and tubing/casing annulus pressure. The calibrated gauges shall be certified for at least ninety-five (95) percent accuracy throughout the range of anticipated injection pressures; and

- (c) a non-resettable flow meter with cumulative volume recorder that is certified for at least ninety-five (95) percent accuracy, throughout the range of injection rates allowed by the permit.
5. Proposed Changes and Workovers. The permittee shall give advance notice to the Director, as soon as possible, of any planned physical alterations or additions to the permitted well. Major alterations or workovers of the permitted well shall meet all conditions as set forth in this permit. A major alteration or workover shall be considered any work performed, which affects casing, packer(s), or tubing. For the conversion or construction of any additional well(s), the permittee shall give the Director thirty (30) days notice of the proposed activity as per Part II, Section A. 2.(b). A demonstration of mechanical integrity shall be performed within thirty (30) days of completion of any workover and/or alterations, and prior to resuming injection activities in accordance with Part II, Section C. 3. (a).

The permittee shall provide all records of well workovers, logging, or other test data to EPA within sixty (60) days of completion of the activity. Appendix B contains samples of the appropriate reporting forms.

6. Formation Testing and Logging.

- (a) Testing. Upon conversion and/or construction of each well, the permittee is required to determine the injection zone fluid pore pressure (static bottom hole pressure) prior to commencement of disposal operations.
- (b) Step-Rate Test. A step-rate injectivity test shall be performed on at least one (1) of the proposed injection wells to determine the formation parting pressure and the results submitted to the EPA. This testing may be performed prior to full operation, or within three (3) months after injection operations are initiated.
- (c) Logging. The permittee shall conduct appropriate down-hole logging prior to the setting of production casing on all newly constructed wells. The following suite of logs are required; Dual Induction (DIL) and Compensated Density/Neutron (CNL-FDC). A Cement Bond/Gamma Ray log shall be run after casing is set. All logging results shall be accompanied by a brief written narrative (prepared by a knowledgeable log analyst) identifying the USDWs, formation tops, confining layers, injection zones and top of cement.

## B. CORRECTIVE ACTION

The operator is not required to take any corrective action on any of the forty-nine (49) production wells or the five (5) plugged and abandoned wells within the area of review (AOR), before the effective date of the permit. The manner in which the wells are cased and cemented will prevent any migration of fluids from the injection zones into underground sources of drinking water (USDWs) in the Uinta Formation.

## C. WELL OPERATION

- 1. Prior to Commencing Injection (Initial Wells). Individual enhanced recovery injection operations for the four (4) existing production wells (Ute Tribal #1-8, #5-8, #4-18 and #5-18) may not commence until the permittee has complied with both (a) and (b), as follows:

- (a) All construction for each respective well is complete and the logging and/or testing requirements have been fulfilled, and the permittee has submitted a Well Rework Record (EPA Form 7520-12). Appendix B contains samples of the appropriate reporting forms.
- (i) The Director has inspected or otherwise reviewed the newly converted injection well(s) and he has notified the operator that the well(s) is in compliance with the conditions of the permit; or
- (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well(s) within thirteen (13) days of the date the Director has received the Well Rework Record, paragraph (a) above, in which case prior inspection or review is waived and the permittee may commence injection. However, in all circumstances, item (b) below must be satisfied.
- (b) The permittee demonstrates that a given well(s) has mechanical integrity in accordance with 40 CFR § 146.8 and Part II, Section C. 3. (a), below, and has received notice from the Director that such a demonstration is satisfactory. The permittee shall notify EPA two (2) weeks prior to conducting this test so that an authorized representative of the EPA may be present to observe the test. Results of the test shall be submitted to the Director as soon as possible, but no later than thirty (30) days after the demonstration.

2. Prior to Commencing Injection (Additional wells).  
Injection operations for additional wells may not commence until the permittee has complied with both (a) and (b) below:

- (a) All required formation testing and logging has been performed in accordance with Part II, Section A. 2. (c), conversion and/or construction is complete, and the permittee has submitted the pertinent Well Completion Reports (EPA Form No. 7520-10) or Well Rework Record (EPA Form No. 7520-12) in Appendix B; and

- (i) the Director has inspected or otherwise reviewed any new injection wells and finds them in compliance with the conditions of the permit; or
  - (ii) the permittee has not received notice from the Director of his, or her, intent to inspect, or otherwise review, any of the new injection wells within thirteen (13) days of the date or receipt of the notice in paragraph (i) of this permit, in which case prior inspection or review is waived and the permittee may commence injection. (Note: In all circumstances item (b), below, must also be satisfied.)
- (b) The permittee demonstrates that a given well(s) has mechanical integrity in accordance with 40 CFR § 146.8 and Part II, Section C. 3. (a), and the permittee has received notice from the Director that such a demonstration is satisfactory. The permittee shall notify EPA two (2) weeks prior to conducting this test so that an authorized representative may be present to observe the test. Results of the test shall be submitted to the Director as soon as possible but no later than thirty (30) days after the demonstration.

3. Mechanical Integrity.

- (a) Method of Demonstrating Mechanical Integrity.  
A demonstration of the absence of significant leaks in the casing, tubing, and/or packer must be made by performing a tubing/casing annulus pressure test. This test shall be for a minimum of forty-five (45) minutes at: (1) a pressure of 300 pounds per square inch gauge (psig) measured at the surface, if the well is shut-in; or (2) a pressure differential of 200 psig between the tubing and the tubing/casing annulus, if injection activities are continued during the test. The tubing/casing annulus shall be filled with a non-corrosive fluid (either a non-toxic liquid or the injection liquid) at least twenty-four (24) hours in advance of the test. Pressure values shall be recorded at five-minute intervals. A well passes the mechanical integrity test if there is less than a ten (10) percent decrease or increase in pressure over the forty-five (45) minute period.

(b) Schedule for Demonstration of Mechanical Integrity. A demonstration of mechanical integrity shall be made at regular intervals, no less frequently than once every five (5) years, in accordance with 40 CFR § 146.8, and paragraph (a), above, unless otherwise modified. Initiation of mechanical integrity demonstrations will be according to the following provisions:

(i) It shall be the permittee's responsibility to arrange and conduct the routine five-year tubing/casing annulus pressure test demonstration. The permittee shall notify the Director of his intent to demonstrate mechanical integrity at least two (2) weeks days prior to such demonstration. Results of the test shall be submitted to the Director as soon as possible, but no later than sixty (60) days after the demonstration.

(ii) In addition to any demonstration made under paragraph (i) above, the Director may require a demonstration of mechanical integrity at any time during the permitted life of a well.

(c) Loss of Mechanical Integrity. If the well(s) fail to demonstrate mechanical integrity during a test, or a loss of mechanical integrity as defined by 40 CFR § 146.8 becomes evident during operation, the permittee shall notify the Director in accordance with Part III, Section E. 10. of this permit. Furthermore, **injection activities shall be terminated immediately;** and operation shall not be resumed until the permittee has taken necessary actions to restore integrity to the well and EPA gives approval to recommence injection.

4. Injection Interval. Fluid injection shall be limited to the gross interval within the Green River Formation between the approximate depths of 3,750 and 5,850 feet. The Green River Formation, from its average top at ±1,410 feet to ±3,974 feet (upper confining zone), is composed of impermeable calcareous shales and continuous beds of microcrystalline dolomite. Petroglyph proposes to inject water into multiple lenticular sands which are distributed throughout a 2,100-foot section of the Green River Formation. These sands are individually separated by shale which act as isolation barriers (confining zones) for the waterflood.

5. Injection Pressure Limitation.

- (a) Injection pressure, measured at the surface, shall not exceed an amount that the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs.
- (b) The exact pressure limit may be increased or decreased by the Director to ensure that the requirements in paragraph (a) are fulfilled. In order to determine an exact pressure limit, the permittee shall conduct a step-rate injection test or other authorized well test(s) that will serve to determine the fracture pressure of the injection zone. Test procedures shall be pre-approved by the Director. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operations. Until such time that this demonstration is made, the initial injection pressure, measured at the surface, shall not exceed 1,900 psig.

6. Injection Volume Limitation. There is no limitation on the number of barrels of water per day (BWPD) that shall be injected into the Green River sand perforations, provided further that in no case shall injection pressure exceed that limit shown in Part II, Section C. 5. (b) of this permit.

7. Injection Fluid Limitation. Injection fluids are limited to those which are identified in 40 CFR § 144.6. (b) (2) as fluids used for enhanced recovery of oil or natural gas. The permittee shall provide a listing of the sources of the injected fluids in accordance with the reporting requirements in Part II, Section D. 4. of this permit.

8. Annular Fluid. The annulus between the tubing and the casing shall be filled with fresh water and/or brines treated with a corrosion inhibitor, a scale inhibitor, and an oxygen scavenger, or other fluid as approved, in writing, by the Director.

9. Operation of Additional Wells. The permittee may operate additional wells within the permit area, provided that the additional wells meet all conditions as set forth in the permit.

## D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Injection Well Monitoring Program. Samples and measurements shall be representative of the monitored activity. The permittee shall utilize the applicable analytical methods described in Table 1 of 40 CFR § 136.3, or in Appendix III of 40 CFR Part 261, or in certain circumstances, by other methods that have been approved by the EPA Administrator. Monitoring shall consist of:
  - (a) Analysis of the disposed fluids, performed:
    - (i) annually for Total Dissolved Solids, Ph, Specific Conductivity, and Specific Gravity from the common facility; however, if injection is maintained from more than one well from each common facility, then only one annual analysis is required for that facility.
    - (ii) whenever there is a change in the source of disposed fluids. A comprehensive water analysis shall be submitted to the Director within thirty (30) days of any change in injection fluids.
  - (b) Observations of flow rate, injection pressure, annulus pressure, and cumulative volume shall be conducted weekly. All observations shall be observed and/or measured at approximately the same time. Observations of each shall be recorded monthly.
- 2) Monitoring Information. Records of any monitoring activity required under this permit shall include:
  - (a) The date, exact place, the time of sampling or field measurements;
  - (b) The name of the individual(s) who performed the sampling or measurements;
  - (c) The exact sampling method(s) used to take samples;
  - (d) The date(s) laboratory analyses were performed;

- (e) The name of the individual(s) who performed the analyses;
- (f) The analytical techniques or methods used by laboratory personnel; and
- (g) The results of such analyses.

3. Recordkeeping.

- (a) The permittee shall retain records concerning:
  - (i) the nature and composition of all injected fluids until three (3) years after the completion of plugging and abandonment which has been carried out in accordance with the Plugging and Abandonment Plan shown in Appendix C, and is consistent with 40 CFR § 146.10.
  - (ii) all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit for a period of at least five (5) years from the date of the sample, measurement or report throughout the operating life of the well.
- (b) The permittee shall continue to retain such records after the retention period specified in paragraphs (a) (i) and (a) (ii) unless he delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall maintain copies (or originals) of all pertinent records at the office of Petroglyph Operating Company, Inc., 6209 North Highway 61, Hutchinson, Kansas 67502.

4. Annual Reporting. The permittee shall submit an Annual Report, whether injecting or not, to the Director summarizing the results of the monitoring required by Part II, Section D. 1. (a) and (b) of this permit. The permittee shall also include a listing of all sources of the fluids injected during the year identifying the source by either the well name(s), the field name(s), or the facility name(s).

The first Annual Report shall cover the period from the effective date of the permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31. **Annual Reports shall be submitted by February 15 of the following year following data collection.** Appendix B contains Form 7520-11 which may be copied and used to submit the Annual Report.

## E. PLUGGING AND ABANDONMENT

1. Notice of Plugging and Abandonment. The permittee shall notify the Director forty-five (45) days before abandonment of the well.
2. Plugging and Abandonment Plan. The plugging and abandonment plans submitted by the permittee, are incorporated into the permit, (Appendix C of the Permit) and shall be binding on the permittee. These plans have been reviewed and approved by the EPA. The EPA reserves the right to change the manner in which the well will be plugged if the well is modified during its permitted life or if the well is not made consistent with EPA requirements for construction and mechanical integrity. The Director may require the permittee to update the estimated plugging cost periodically. Such estimates shall be based upon costs which a third party would incur to plug the well according to the plan.
3. Cessation of Injection Activities. After a cessation of operations of two (2) years, the permittee shall plug and abandon the well in accordance with the Plugging and Abandonment Plan, unless the permittee:
  - (a) has provided notice to the Director; and
  - (b) has demonstrated that the well will be used in the future; and
  - (c) has described actions or procedures, satisfactory to the Director, that will be taken to ensure that the well will not endanger underground sources of drinking water during the period of temporary abandonment.

4. Plugging and Abandonment Report(s). Within sixty (60) days after plugging the well, the permittee shall submit a report on Form 7520-13 to the Director. The report shall be certified as accurate by the person who performed the plugging operation, and the report shall consist of either: (1) a statement that the well was plugged in accordance with the plan; or (2) where actual plugging differed from the plan, a statement that specifies the different procedures followed.
5. Plugging of Additional Wells. The permittee may plug and abandon any future additional enhanced recovery injection wells within the permit area that were converted or constructed under Part II, Section A., provided that the plugging and abandonment meets all conditions as set forth in this permit.

## F. FINANCIAL RESPONSIBILITY

1. Demonstration of Financial Responsibility. The permittee is required to maintain continuous financial responsibility and resources to close, plug, and abandon the injection wells as provided in the plugging and abandonment plan.
  - (a) The permittee may submit a written request to EPA to change the type of financial mechanism or instrument utilized. A change in demonstration of financial responsibility must be approved in writing by the Director.
2. Insolvency of Financial Institution. In the event that an alternate demonstration of financial responsibility has been approved under (a), above, the permittee must submit an alternate demonstration of financial responsibility acceptable to the Director within sixty (60) days after either of the following events occur:
  - (a) The institution issuing the trust or financial instrument files for bankruptcy; or
  - (b) The authority of the trustee institution to act as trustee, or the authority of the institution issuing the financial instrument, is suspended or revoked.

3. Cancellation of Demonstration by Financial Institution.  
The permittee must submit an alternative demonstration of financial responsibility acceptable to the Director, within sixty (60) days after the institution issuing the trust or financial instrument serves 120-day notice to the EPA of their intent to cancel the trust or financial instrument.

## PART III. GENERAL PERMIT CONDITIONS

### A. EFFECT OF PERMIT

The permittee is allowed to engage in underground disposal in accordance with the conditions of this permit. The permittee, as authorized by this permit, shall not construct, operate, maintain, convert, plug, abandon, or conduct any other disposal activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR Part 142 or otherwise adversely affect the health of persons. Any underground disposal activity not authorized in this permit or otherwise authorized by permit or rule is prohibited. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA), 42 USC §300i, or any other law governing protection of public health or the environment for any imminent and substantial endangerment to human health, or the environment, nor does it serve as a shield to the permittee's independent obligation to comply with all UIC regulations.

### B. PERMIT ACTIONS

1. Modification, Reissuance, or Termination. The Director may, for cause or upon a request from the permittee, modify, revoke and reissue, or terminate this permit in accordance with 40 CFR §§ 124.5, 144.12, 144.39, and 144.40. Also, the permit is subject to minor modifications for cause as specified in 40 CFR § 144.41. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.
2. Conversions. The Director may, for cause or upon a request from the permittee, allow conversion of the well from a Class II salt water disposal well to a non-Class II well. Requests to convert the disposal well from its Class II status to a non-Class II well,

such as, a production well, must be made in writing to the Director. Conversion may not proceed until a permit modification indicating the conditions of the proposed conversion is received by the permittee. Conditions of the modification may include such items as, but is not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, and well specific monitoring and reporting following the conversion.

3. Transfers. This permit is not transferrable to any person except after notice is provided to the Director and the requirements of 40 CFR § 144.38 are complied with. The Director may require modification, or revocation and reissuance, of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the SDWA.
4. Operator Change of Address. Upon the operator's change of address, notice must be given to the appropriate EPA office at least fifteen (15) days prior to the effective date.

### C. SEVERABILITY

If any provision of this permit or the application of any provision of this permit to any circumstance is stayed or held invalid, all remaining provisions of this permit shall remain fully effective and enforceable, except for those provisions which are not severable from the stayed or invalid provision.

### D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR §144.5, any information submitted to EPA pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). EPA will deny claims of confidentiality including but not limited to the following information:

- The name and address of the permittee; and
- Information which deals with the existence, absence or level of contaminants in drinking water.

## E. GENERAL DUTIES AND REQUIREMENTS

1. Duty to Comply. The permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit. Any permit noncompliance constitutes a violation of the SDWA and is grounds for enforcement action, permit termination, revocation and reissuance, or modification. Such noncompliance may also be grounds for enforcement action under the Resource Conservation and Recovery Act (RCRA).
2. Penalties for Violations of Permit Conditions. Any person who violates a permit requirement is subject to civil penalties, fines, and other enforcement action under the SDWA and may be subject to such actions pursuant to the RCRA. Any person who willfully violates permit conditions may be subject to criminal prosecution.
3. Need to Halt or Reduce Activity not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
4. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.
5. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.
6. Duty to Provide Information. The permittee shall furnish the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and

reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

7. Inspection and Entry. The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:
  - (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
  - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
  - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
  - (d) Sample or monitor, at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA any substances or parameters at any location.
8. Records of Permit Application. The permittee shall maintain records of all data required to complete the permit application and any supplemental information submitted for a period of five (5) years from the effective date of this permit. This period may be extended by request of the Director at any time.
9. Signatory Requirements. All reports or other information requested by the Director shall be signed and certified according to 40 CFR § 144.32.
10. Reporting of Noncompliance.
  - (a) Anticipated Noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Twenty-four Hour Reporting.
- (i) The permittee shall report to the Director any noncompliance which may endanger health or the environment. Information shall be provided orally within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning EPA at (303) 293-1550 (during normal business hours) or at (303) 293-1788 (for reporting at all other times). The following information shall be included in the verbal report:
- (A) Any monitoring or other information which indicates that any contaminant may cause endangerment to an underground source of drinking water (USDW).
- (B) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.
- (ii) A written submission shall also be provided to the Director within five (5) days of the time the permittee becomes aware of the potential for endangerment to health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- (d) Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain the information listed in Part III, Section E. 10. (c) (ii) of this permit.

- (e) Other Information. Where the permittee becomes aware that any relevant facts were not submitted in the permit application, or incorrect information was submitted in a permit application or in any report to the Director, the permittee shall submit such correct facts or information within two (2) weeks of the time such information becomes known.

## APPENDIX A

### (CONVERSION/CONSTRUCTION DETAILS)

Ute Tribal #1-8  
Ute Tribal #5-8  
Ute Tribal #4-18  
Ute Tribal #5-18

UPON REENTRY OF THESE OIL WELLS, THE CONVERSION TO AN  
ENHANCED RECOVERY WELL WILL BE AS FOLLOWS:

- (1) Move in and rig up service unit (MIRUSU), trip out of hole (TOH) with rods and tubing.
- (2) Trip in hole (TIH) w/ bit and casing scraper to total depth (TD) to ensure that the casing is clean. Any fill encountered will be circulated out of the well.
- (3) Cement squeeze and/or isolate by CIBP selected perforations as required. The proposed downhole injection equipment will then be run on tubing and set at the appropriate depth.
- (4) The casing annulus will be filled with the recommended packer fluid.
- (5) Notify EPA of Mechanical Integrity Testing, with EPA authorized representative present, run MIT, if passed, place well on injection status upon approval from the Director.

**Ute Tribal #1-8  
Wellbore Diagram  
After Conversion**

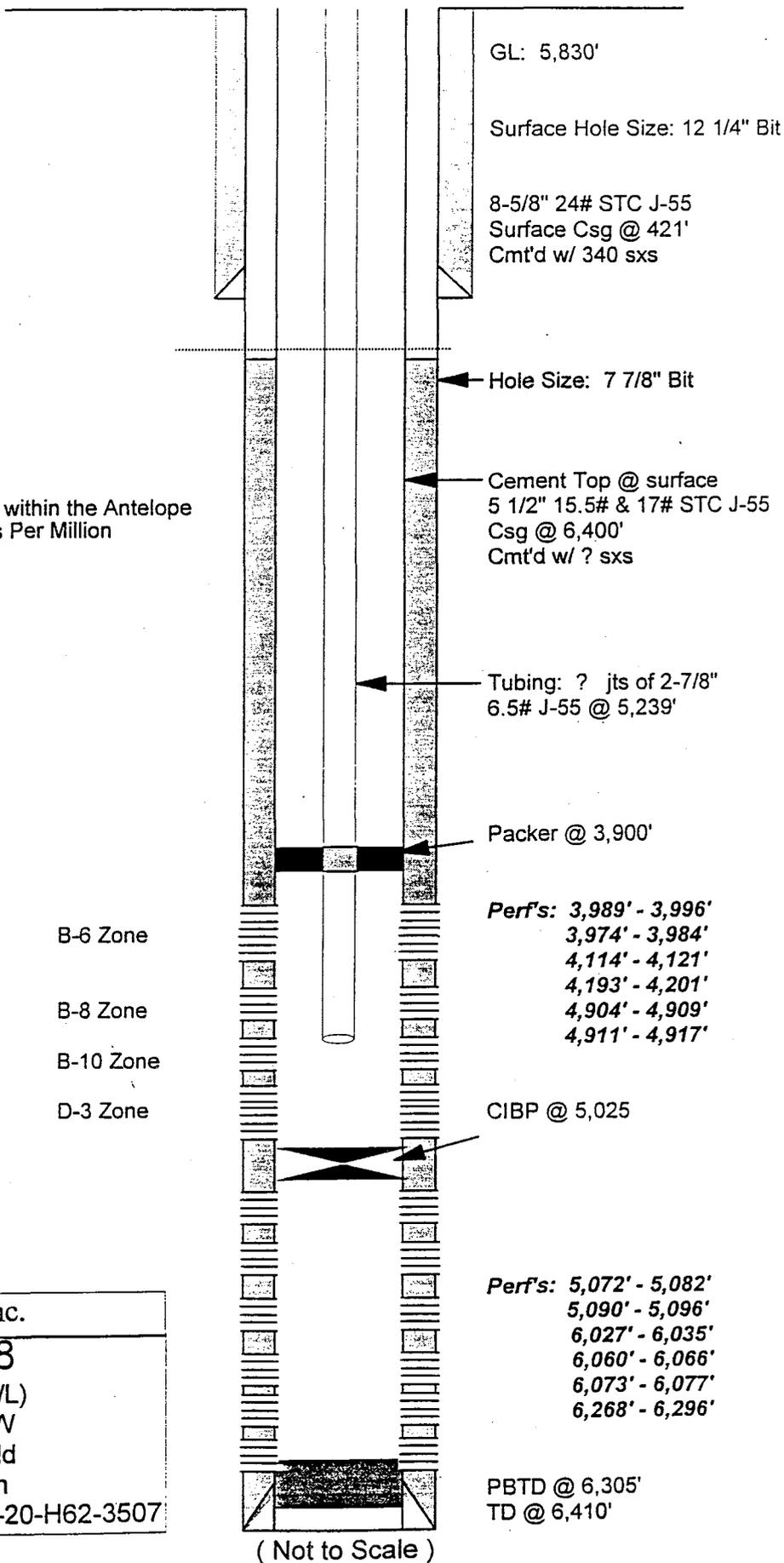
Water Samples and Locations

No USDW found in Uinta Formation

Top of Green River Formation at 1,270'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million



Inland Resources Inc.
<b>Ute Tribal 1-8</b>
(754' FNL & 888' FWL)
NW NW 8-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-30759; Lease #14-20-H62-3507

**Ute Tribal #5-8  
Wellbore Diagram  
After Conversion**

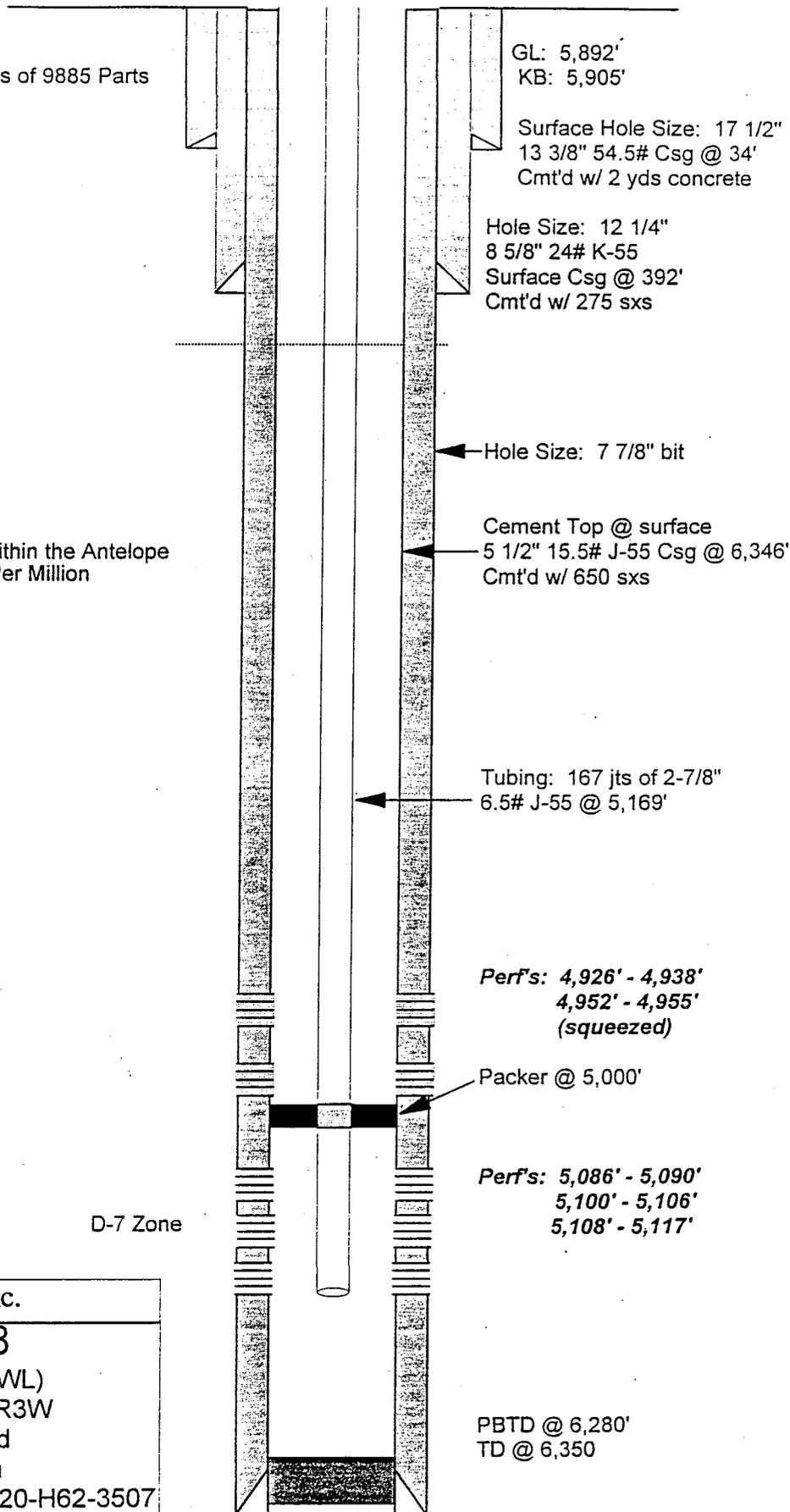
Water Samples and Locations

USDW found in Uinta Formation  
Water found at 200' with total dissolved solids of 9885 Parts Per Million

Top of Green River Formation at 1,360'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million



<p><b>Inland Resources Inc.</b></p> <p><b>Ute Tribal 5-8</b></p> <p>(1,550' FNL &amp; 1,550' FWL)</p> <p>SE NW Section 8-T5S-R3W</p> <p>Antelope Creek Field</p> <p>Duchesne Co, Utah</p> <p>API #43-013-31307; Lease #14-20-H62-3507</p>
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( Not to Scale )

**Ute Tribal #4-18  
Wellbore Diagram  
After Conversion**

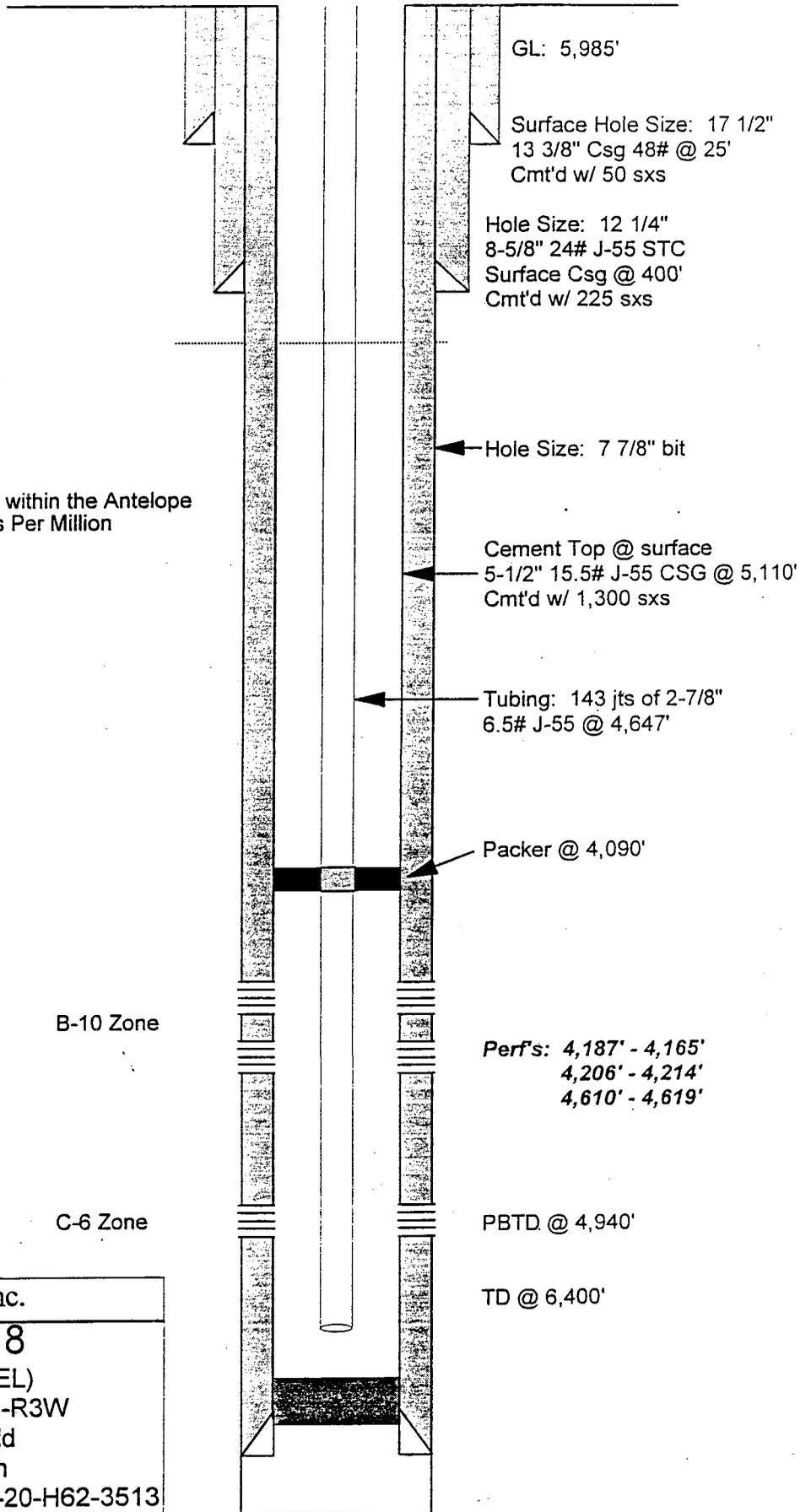
Water Samples and Locations

No USDW found in Uinta Formation

Top of Green River Formation at 1,510'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million (See Exhibit 2 this section)



Inland Resources Inc.
<b>Ute Tribal 4-18</b>
(812' FNL & 1,768' FEL)
NW NW Section 18-T5S-R3W
Antelope Creek Field
Duchesne Co, Utah
API #43-013-31091; Lease #14-20-H62-3513

( Not to Scale )

**Ute Tribal #5-18  
Wellbore Diagram  
After Conversion**

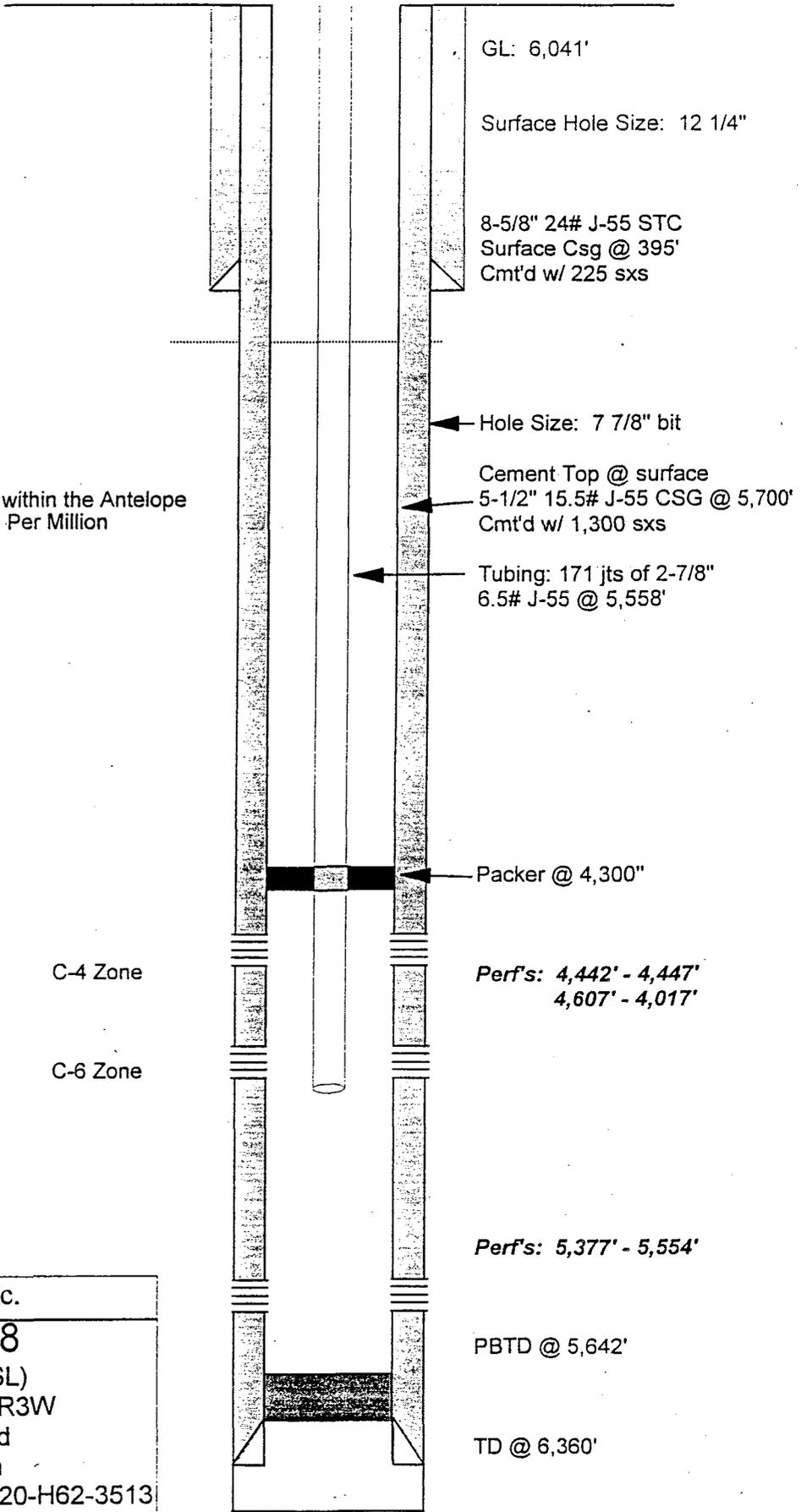
Water Samples and Locations

No USDW found in Uinta Formation

Top Green River Formation @ 1,502'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million (See Exhibit 2 this section)



<p><b>Inland Resources Inc.</b></p> <p><b>Ute Tribal 5-18</b></p> <p>(667' FEL &amp; 2,151' FSL)</p> <p>NE SE Section 18-5TS-R3W</p> <p>Antelope Creek Field</p> <p>Duchesne Co, Utah</p> <p>API #43-013-31180; Lease #14-20-H62-3513</p>
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( Not to Scale )

## APPENDIX B

### REPORTING FORMS

1. EPA Form 7520- 7: APPLICATION TO TRANSFER PERMIT
2. EPA Form 7520-10: COMPLETION REPORT FOR BRINE DISPOSAL WELL
3. EPA Form 7520-11: ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT
4. EPA Form 7520-12: WELL REWORK RECORD
5. EPA Form 7520-13: PLUGGING RECORD
6. EPA Form R8: MECHANICAL INTEGRITY PRESSURE TEST

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



**APPLICATION TO TRANSFER PERMIT**

NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER
--	-----------------------------------

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES  	STATE	COUNTY	PERMIT NUMBER	
	SURFACE LOCATION DESCRIPTION			
	¼ OF	¼ OF	¼ SECTION	TOWNSHIP
				RANGE
LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT  Surface Location _____ ft. from (N/S) _____ Line of quarter section and _____ ft. from (E/W) _____ Line of quarter section				
WELL ACTIVITY <input type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input type="checkbox"/> Class III <input type="checkbox"/> Other		WELL STATUS <input type="checkbox"/> Operating <input type="checkbox"/> Modification/Conversion <input type="checkbox"/> Proposed		
		TYPE OF PERMIT <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells _____		
Lease Name		Well Number		

NAME(S) AND ADDRESS(ES) OF NEW OWNER(S)	NAME AND ADDRESS OF NEW OPERATOR
---	----------------------------------

Attach to this application a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them.

The new permittee must show evidence of financial responsibility by the submission of surety bond, or other adequate assurance, such as financial statements or other materials acceptable to the director.

**CERTIFICATION**

*I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)*

NAME AND OFFICIAL TITLE (Please type or print)	SIGNATURE	DATE SIGNED
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

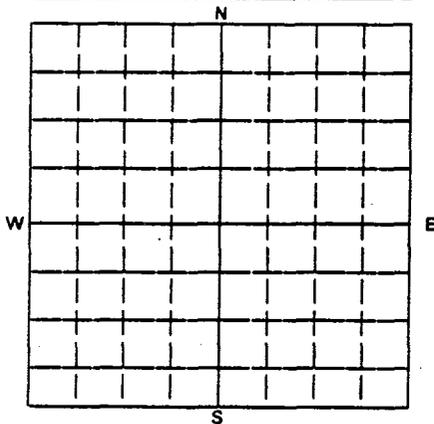
Form Approved  
OMB No. 2040-0042  
Approval expires 9-30-96

## COMPLETION REPORT FOR BRINE DISPOSAL, HYDROCARBON STORAGE, OR ENHANCED RECOVERY WELL

NAME AND ADDRESS OF EXISTING PERMITTEE

NAME AND ADDRESS OF SURFACE OWNER

LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT — 640 ACRES



STATE COUNTY

PERMIT NUMBER

SURFACE LOCATION DESCRIPTION

¼ OF ¼ OF ¼ SECTION TOWNSHIP RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location \_\_\_\_ ft. from (N/S) \_\_\_\_ Line of quarter section  
and \_\_\_\_ ft. from (E/W) \_\_\_\_ Line of quarter section

WELL ACTIVITY TYPE OF PERMIT

- Brine Disposal       Individual  
 Enhanced Recovery       Area  
 Hydrocarbon Storage      Number of Wells \_\_\_\_

Estimated Fracture Pressure  
of Injection Zone

Anticipated Daily Injection Volume (Bbls)

Injection Interval

Average Maximum Feet to Feet

Anticipated Daily Injection Pressure (PSI)

Depth to Bottom of Lowermost Freshwater Formation (Feet)

Average Maximum

Type of Injection Fluid (Check the appropriate block(s))

- Salt Water       Brackish Water       Fresh Water  
 Liquid Hydrocarbon       Other

Lease Name

Well Number

Name of Injection Zone

Date Drilling Began

Date Well Completed

Permeability of Injection Zone

Date Drilling Completed

Porosity of Injection Zone

CASING AND TUBING

CEMENT

HOLE

OD Size	Wt/Ft — Grade — New or Used	Depth	Sacks	Class	Depth	Bit Diameter

INJECTION ZONE STIMULATION

WIRE LINE LOGS, LIST EACH TYPE

Interval Treated	Materials and Amount Used	Log Types	Logged Intervals

Complete Attachments A — E listed on the reverse.

### CERTIFICATION

*I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).*

NAME AND OFFICIAL TITLE (Please type or print)

DATE SIGNED



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

# ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER
--	-----------------------------------

<p>LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES</p>	STATE	COUNTY	PERMIT NUMBER	
	SURFACE LOCATION DESCRIPTION			
	¼ OF	¼ OF	¼ SECTION	TOWNSHIP RANGE
	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT			
Surface Location ____ ft. from (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section				
WELL ACTIVITY		TYPE OF PERMIT		
<input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage		<input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells ____		
Lease Name		Well Number		

		INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING — CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG

### CERTIFICATION

*I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).*

NAME AND OFFICIAL TITLE (Please type or print)	SIGNATURE	DATE SIGNED
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# PLUGGING RECORD

NAME AND ADDRESS OF PERMITTEE

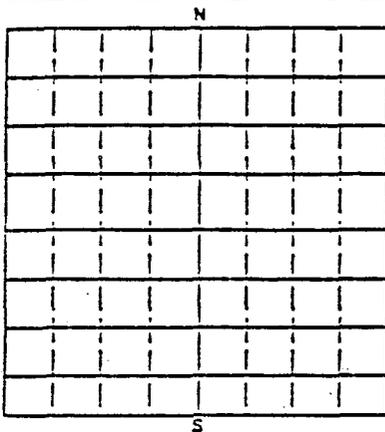
NAME AND ADDRESS OF CEMENTING COMPANY

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

STATE

COUNTY

PERMIT NUMBER



SURFACE LOCATION DESCRIPTION

1/4 OF

1/4 OF

1/4 SECTION

TOWNSHIP

RANGE

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location \_\_\_\_\_ ft. from (N/S) \_\_\_\_\_ Line of quarter section

and \_\_\_\_\_ ft. from (E/W) \_\_\_\_\_ Line of quarter section

TYPE OF PERMIT

- Individual  
 Area

Number of Wells

Describe in detail the manner in which the fluid was placed and the method used in introducing it into the hole

CASING AND TUBING RECORD AFTER PLUGGING

WELL ACTIVITY

METHOD OF EMPLACEMENT OF CEMENT PLUGS

SIZE	WT(LB./FT)	PUT IN WELL (FT)	LEFT IN WELL (FT)	HOLE SIZE

- Brine Disposal  
 Enhanced Recovery  
 Hydrocarbon Storage

- The Balance Method  
 The Dump Basler Method  
 The Two-Plug Method

Lease Name

Well Number

CEMENTING TO PLUG AND ABANDON DATA:

PLUG #1

PLUG #2

PLUG #3

PLUG #4

PLUG #5

PLUG #6

PLUG #7

Cementing Date

Size of Hole or Pipe in which Plug Placed (inches)

Depth to Bottom of Tubing or Drill Pipe (ft.)

Sacks of Cement Used (each plug)

Slurry Volume Pumped (cu. ft.)

Calculated Top of Plug (ft.)

Measured Top of Plug (if tagged ft.)

Slurry Wt. (Lb./Gal.)

Type Cement

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

From

To

From

To

Signature of Cementer or Authorized Representative

Signature of EPA Representative

## CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

NAME AND OFFICIAL TITLE (Please type or print)

SIGNATURE

DATE SIGNED

# Mechanical Integrity Test Casing/Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8WM-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date \_\_\_/\_\_\_/9 Time \_\_\_\_\_ am/pm

Test conducted by: \_\_\_\_\_

Others present: \_\_\_\_\_

Well name \_\_\_\_\_ EPA Number \_\_\_\_\_  
 Field name \_\_\_\_\_  
 Location \_\_\_\_\_ qtr qtr; \_\_\_\_\_ Section; \_\_\_\_\_ Township; \_\_\_\_\_ Range  
 Owner/Operator \_\_\_\_\_

Time	Test #1	Test #2	Test #3
0 min	_____ psig	_____ psig	_____ psig
5	_____	_____	_____
10	_____	_____	_____
15	_____	_____	_____
20	_____	_____	_____
25	_____	_____	_____
30 min	_____	_____	_____
35	_____	_____	_____
40	_____	_____	_____
45	_____	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____

Tubing press \_\_\_\_\_ psig      \_\_\_\_\_ psig      \_\_\_\_\_ psig

Result (circle) Pass    Fail                  Pass    Fail                  Pass    Fail

Signature of Witness: \_\_\_\_\_

## APPENDIX C (PLUGGING & ABANDONMENT PLANS)

Ute Tribal #1-8  
Ute Tribal #5-8  
Ute Tribal #4-18  
Ute Tribal #5-18

# Petroglyph Operating Company

Ute Tribal #1-8  
T5S, R3W, Section 8

## Plugging and Abandonment Plan

### Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 3850'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (471'-371').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Pump 75 sxs down annulus or until full returns
8. Set P&A marker.

**Ute Tribal #1-8  
Wellbore Diagram  
Plugged**

Water Samples and Locations

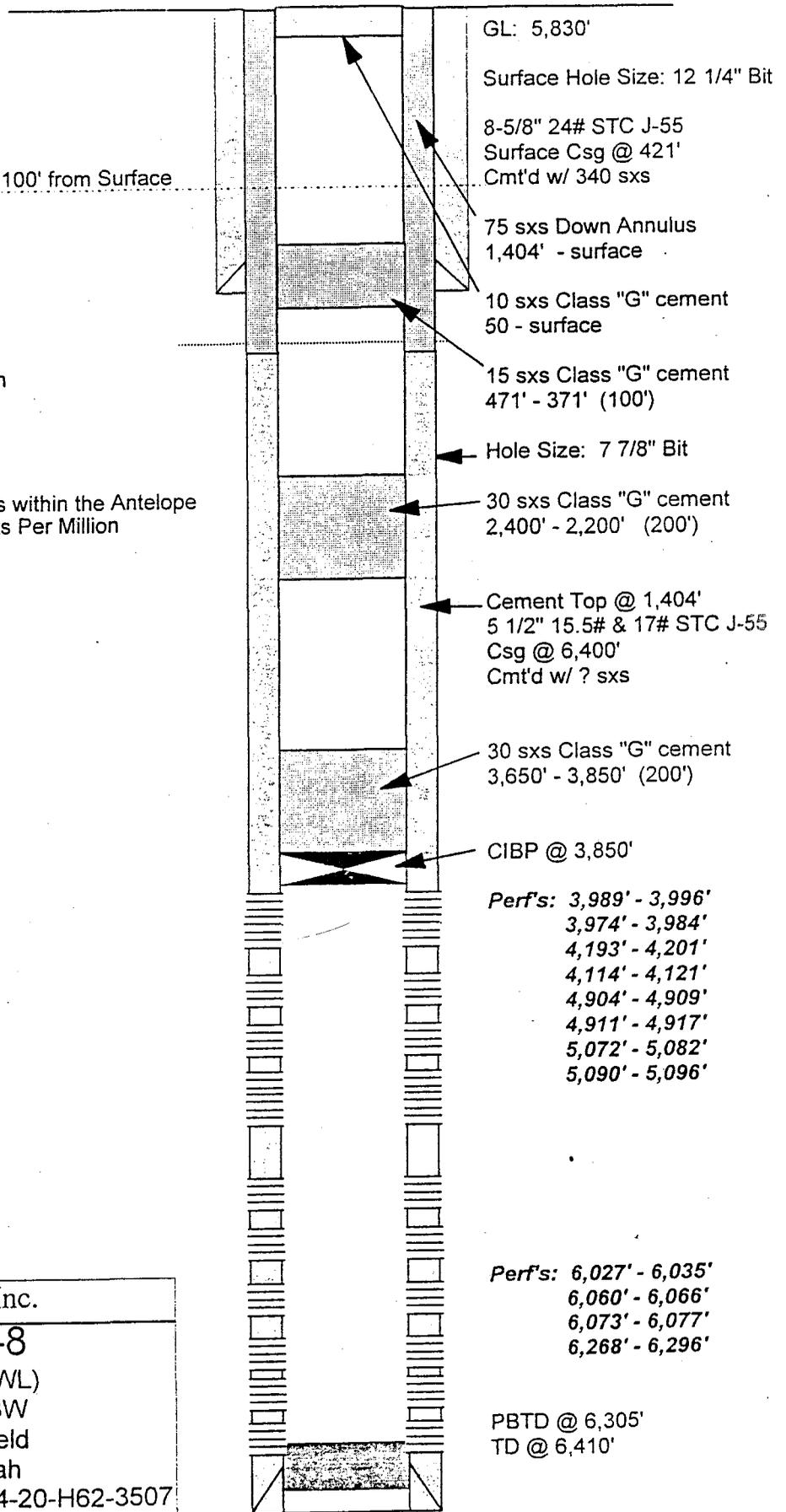
No USDW found in Uinta Formation

Estimated Base USDW 100' from Surface  
See Map Section E.

Top of Green River Formation at 1,270'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope  
Creek Project Area equals 16,722.55 Parts Per Million



<p>Inland Resources Inc.</p> <p><b>Ute Tribal 1-8</b></p> <p>(754' FNL &amp; 888' FWL)</p> <p>NW NW 8-T5S-R3W</p> <p>Antelope Creek Field</p> <p>Duchesne Co, Utah</p> <p>API #43-013-30759; Lease #14-20-H62-3507</p>
--

( Not to Scale )

# Petroglyph Operating Company

Ute Tribal #5-8  
T5S, R3W, Section 8

## Plugging and Abandonment Plan

### Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 4900'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (442'-342').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Set P&A marker.

**Ute Tribal #5-8  
Wellbore Diagram  
Plugged**

Water Samples and Locations

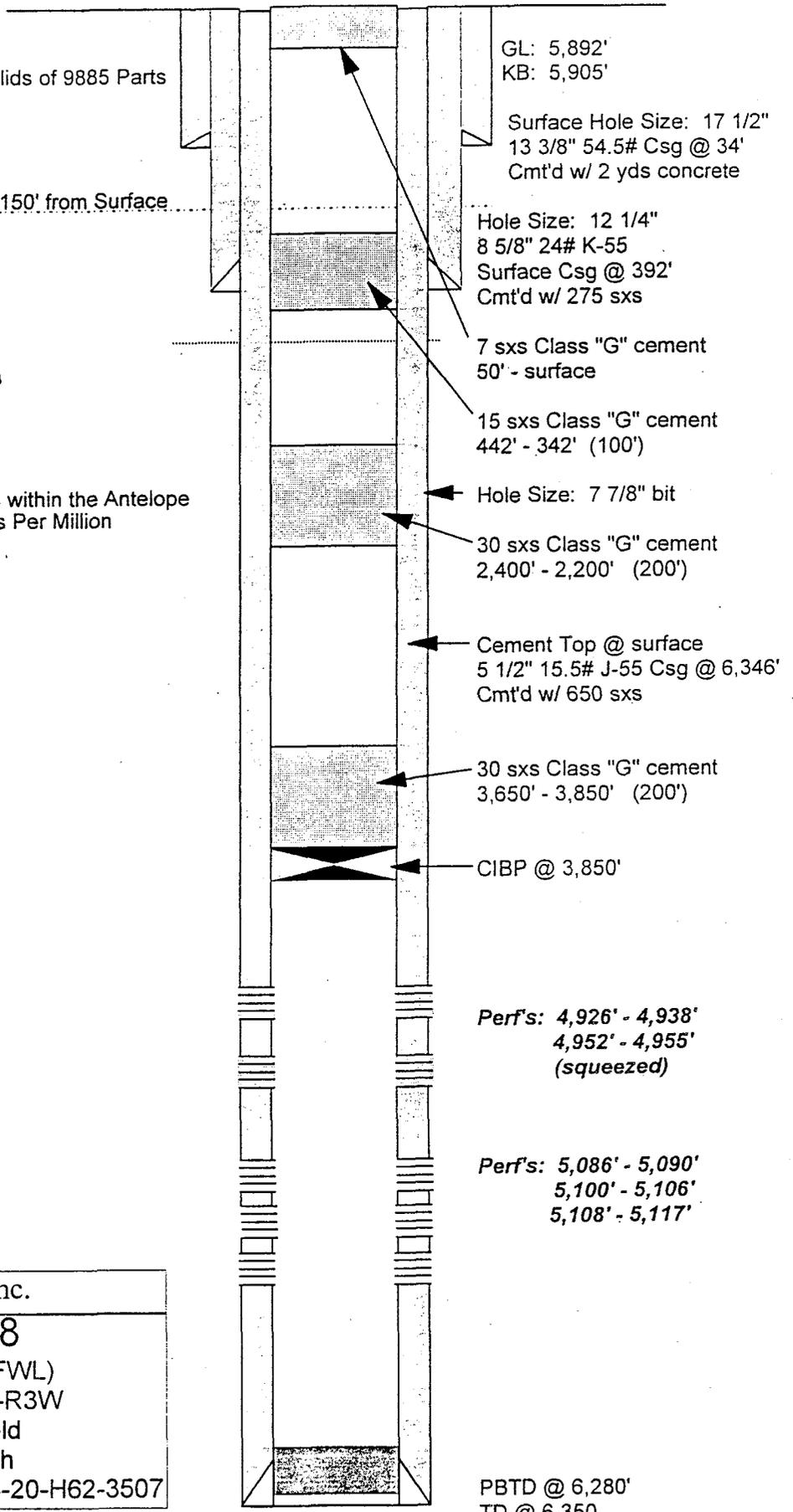
USDW found in Uinta Formation  
Water found at 200' with total dissolved solids of 9885 Parts Per Million

Estimated Base USDW 150' from Surface  
See Map Section E.

Top of Green River Formation at 1,360'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope Creek Project Area equals 16,722.55 Parts Per Million



<p>Inland Resources Inc.</p> <p><b>Ute Tribal 5-8</b></p> <p>(1,550' FNL &amp; 1,550' FWL)</p> <p>SE NW Section 8-T5S-R3W</p> <p>Antelope Creek Field</p> <p>Duchesne Co, Utah</p> <p>API #43-013-31307; Lease #14-20-H62-3507</p>
--

(Not to Scale)

# Petroglyph Operating Company

Ute Tribal #4-18  
T5S, R3W, Section 18

## Plugging and Abandonment Plan

### Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 4050'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (450'-350').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Set P&A marker.

**Ute Tribal #4-18  
Wellbore Diagram  
Plugged**

Water Samples and Locations

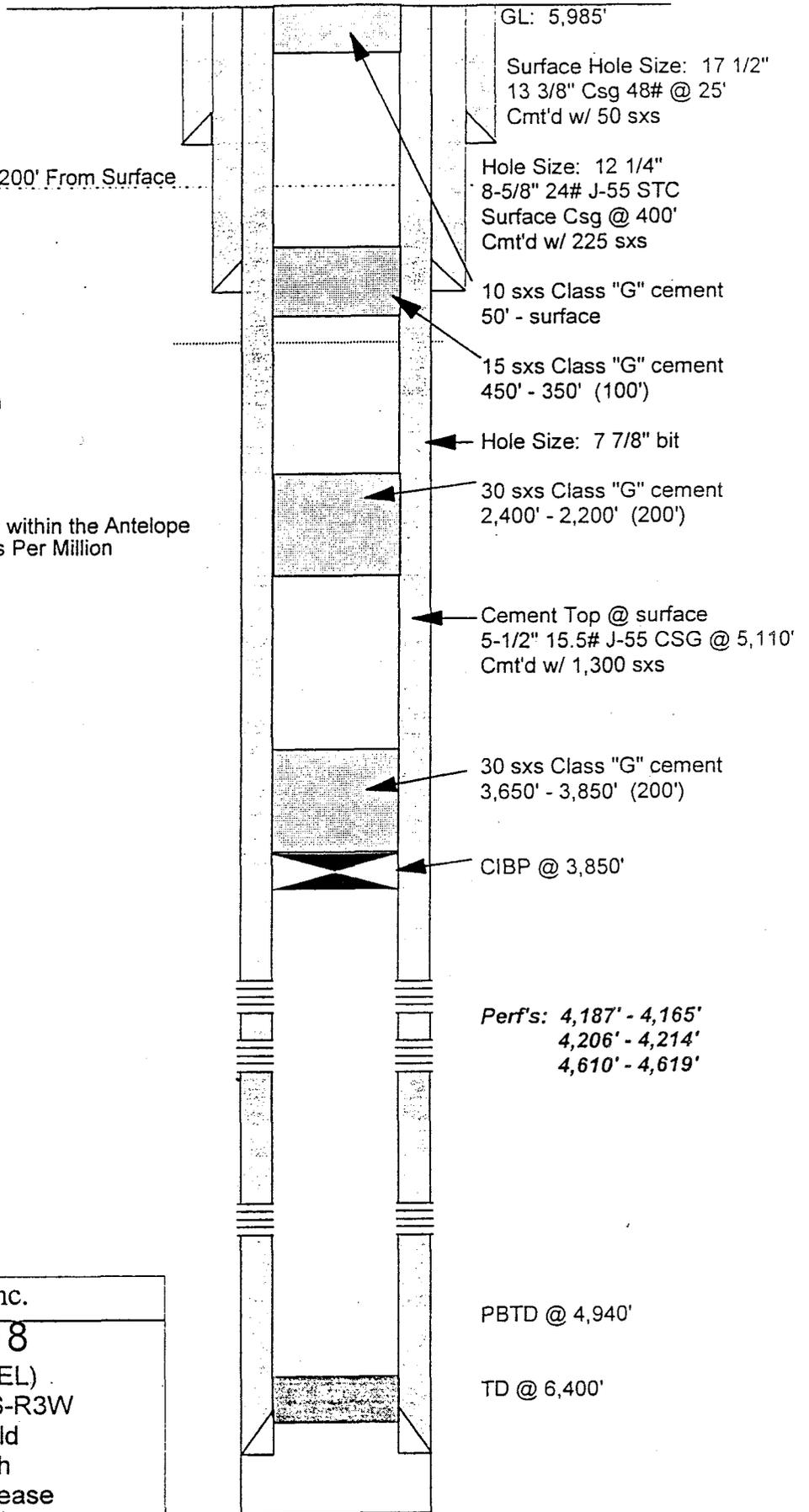
No USDW found in Uinta Formation

Estimated Base USDW 200' From Surface  
See Map Section E.

Top of Green River Formation at 1,510'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope  
Creek Project Area equals 16,722.55 Parts Per Million  
(See Exhibit 2 this section)



GL: 5,985'

Surface Hole Size: 17 1/2"  
13 3/8" Csg 48# @ 25'  
Cmt'd w/ 50 sxs

Hole Size: 12 1/4"  
8-5/8" 24# J-55 STC  
Surface Csg @ 400'  
Cmt'd w/ 225 sxs

10 sxs Class "G" cement  
50' - surface

15 sxs Class "G" cement  
450' - 350' (100')

Hole Size: 7 7/8" bit

30 sxs Class "G" cement  
2,400' - 2,200' (200')

Cement Top @ surface  
5-1/2" 15.5# J-55 CSG @ 5,110'  
Cmt'd w/ 1,300 sxs

30 sxs Class "G" cement  
3,650' - 3,850' (200')

CIBP @ 3,850'

Perf's: 4,187' - 4,165'  
4,206' - 4,214'  
4,610' - 4,619'

PBDT @ 4,940'

TD @ 6,400'

<p><b>Inland Resources Inc.</b></p> <p><b>Ute Tribal 4-18</b></p> <p>(812' FNL &amp; 1,768' FEL)</p> <p>NW NW Section 18-T5S-R3W</p> <p>Antelope Creek Field</p> <p>Duchesne Co, Utah</p> <p>API #43-013-31091; Lease</p> <p>#14-20-H62-35134</p>
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( Not to Scale )

# Petroglyph Operating Company

Ute Tribal #5-18  
T5S, R3W, Section 18

## Plugging and Abandonment Plan

### Primary Plan

1. POOH w/ tubulars.
2. RIH Set CIBP @ 4350'.
3. Set 200' cement plug (30 sxs class G cement) above CIBP.
4. Set 200' cement plug (30 sxs class G cement) @ 2400'.
5. Set 100' cement plug (15 sxs class G cement) across base of surface (445'-355').
6. Set 50' cement plug (8 sxs class G cement) from 50' to surface.
7. Set P&A marker.

**Ute Tribal #5-18  
Wellbore Diagram  
Plugged**

Water Samples and Locations

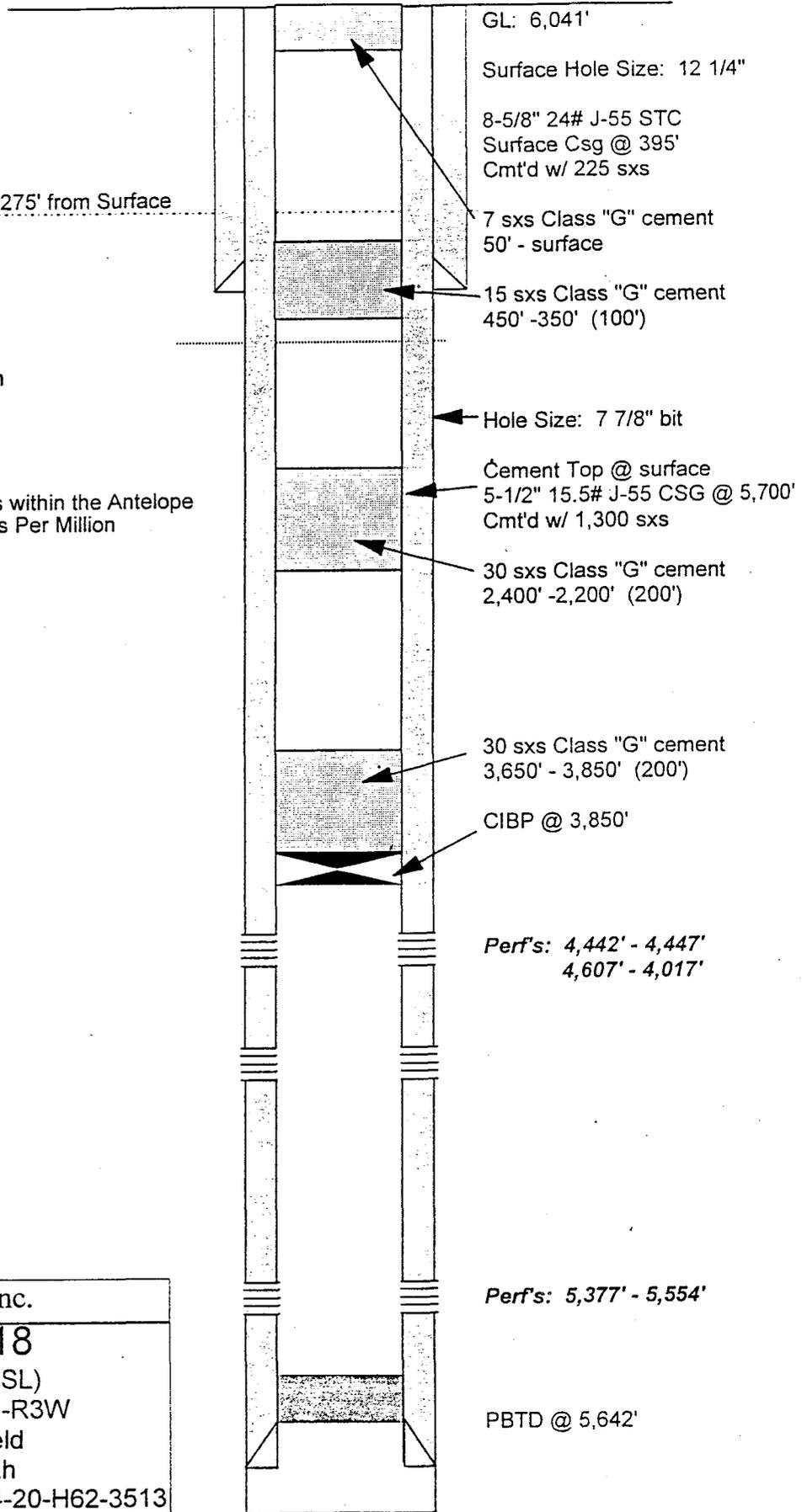
No USDW found in Uinta Formation

Estimated Base USDW 275' from Surface  
See Map Section E.

Top Green River Formation @ 1,502'

No USDW found in Green River Formation

Average Total Dissolved Solids in 21 wells within the Antelope  
Creek Project Area equals 16,722.55 Parts Per Million  
(See Exhibit 2 this section)



<p><b>Inland Resources Inc.</b></p> <p><b>Ute Tribal 5-18</b> (667' FEL &amp; 2,151' FSL) NE SE Section 18-5TS-R3W Antelope Creek Field Duchesne Co, Utah API #43-013-31180; Lease #14-20-H62-3513</p>
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( Not to Scale )

JUL 18 1994

## FINAL STATEMENT OF BASIS

PETROGLYPH OPERATING COMPANY, INC.

ANTELOPE CREEK WATERFLOOD

DUCHESNE COUNTY, UTAH

EPA AREA PERMIT NO. UT2736-00000

CONTACT: John Carson  
U. S. Environmental Protection Agency  
UIC Implementation Section, 8WM-DW  
999 18th Street, Suite 500  
Denver, Colorado 80202-2466  
Telephone: (303) 293-1435

### DESCRIPTION OF FACILITY AND BACKGROUND INFORMATION:

On March 1, 1994, Petroglyph Operating Company, Inc., made application for an area underground injection control (UIC) permit for the injection of water supplied by shallow water supply wells into multiple sands within the Green River Formation. This permit application is for the conversion of four (4) existing oil/gas wells to enhanced oil recovery wells so that Petroglyph may economically produce oil from the Antelope Creek Field. The total dissolved solids (TDS) content of the injection water from a current water supply well is 9,885 milligrams per liter (mg/l); additional water supply wells will be drilled as needed. Water analyses of produced water from twenty-one wells within the proposed waterflood area indicate the multiple sands of the Green River Formation to have TDS contents ranging from 10,106 to 25,708 mg/l, with an average TDS of 16,722 mg/l.

**THIS AREA PERMIT ALSO PROVIDES FOR THE CONVERSION OF ADDITIONAL HYDROCARBON PRODUCING WELLS AND THE CONSTRUCTION OF NEW ENHANCED RECOVERY INJECTION WELLS.**

The area covered by the application is the Antelope Creek Field with the boundaries defined as follows:

Township 5 South, Range 3 West, Duchesne County, Utah

Sections 2, 3, 4, 5, 6 (SE/4 of SE/4), 7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, and 33.

The Area of Review (AOR) is defined as that area subtended by a line drawn one-quarter (1/4) mile beyond and around the boundaries described above. The Sections in T5S-R3W listed above are within the boundaries of the Uintah-Ouray Indian Reservation.

The first wells to be converted from production wells to enhanced recovery injection wells in the Green River Formation are listed below:

<u>NAME</u>	<u>LOCATION</u>	<u>EPA PERMIT NO.</u>
Ute Tribal #1-8	NW NW Section 8	UT2736-04201
Ute Tribal #5-8	SE NW Section 8	UT2736-04203
Ute Tribal #4-18	NW NE Section 18	UT2736-04202
Ute Tribal #5-18	NE SE Section 18	UT2736-04204

Petroglyph Operating has submitted all required information and data necessary for permit issuance in accordance with 40 CFR Parts 144, 146 and 147, and a draft permit has been prepared. The permit will be issued for the operating life of the waterflood, unless the permit is terminated for reasonable cause (40 CFR §144.39, §144.40 and §144.41). However, the permit will be reviewed every five years.

This Statement of Basis gives the derivation of the site-specific permit conditions and reasons for them. The referenced sections and conditions correspond to the sections and conditions in Area Permit UT2736-00000. The general permit conditions for which the content is mandatory and not subject to site-specific differences (based on 40 CFR Parts 144, 146 and 147), are not included in the discussion.

## PART II, Section A WELL CONSTRUCTION REQUIREMENTS

### Casing and Cementing

(Condition 1)

Casing and cementing details for the four initial wells to be converted to injection for the Antelope Creek Waterflood Project were submitted with the permit application. Well construction is as follows:

#### Ute Tribal #1-8

- (1) Surface casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 421 feet Kelly Bushing (KB). The cement used to secure the casing was circulated to the surface, isolating the casing from the wellbore.

- (2) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 6,400 feet KB. The cement used to secure this casing extends from the casing shoe, up to a depth of 1,404 feet.

Ute Tribal #5-8

- (1) Surface casing (13-3/8 inch) is set in a 17-1/2 inch diameter hole to a depth of 34 feet KB. The cement used to secure the casing was circulated to surface, isolating the casing from the wellbore.
- (2) Intermediate casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 392 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.
- (3) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 6,346 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.

Ute Tribal #4-18

- (1) Surface casing (13-3/8 inch) is set in a 17-1/2 inch diameter hole to a depth of 25 feet KB. The cement used to secure the casing was circulated to surface, isolating the casing from the wellbore.
- (2) Intermediate casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 400 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.
- (3) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 5,110 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.

Ute Tribal #5-18

- (1) Surface casing (8-5/8 inch) is set in a 12-1/4 inch diameter hole to a depth of 395 feet KB. The cement used to secure the casing was circulated to the surface, isolating the casing from the wellbore.
- (2) Long string casing (5-1/2 inch) is set in a 7-7/8 inch diameter hole to a depth of 5,700 feet KB. The cement used to secure this casing extends from the casing shoe to the surface.

The Uinta Formation extends from the surface to an average depth of 1,410 feet. The base of the lowermost possible underground source of drinking water (USDW) containing total dissolved solids of less than 10,000 mg/l occurs in the Uinta Formation and is near ground surface in the northern part of the waterflood area, but descends to a depth of approximately 1,200 feet in the southern part of the area. The four wells initially to be converted are cemented to sufficient height behind surface and long string production casings to preclude any migration of injected fluids up hole into any USDW within the Uinta Formation. The source for this USDW information is formation water analyses submitted by the operator for twenty-two wells within the AOR, and information from Technical Publication No. 92 (1987), prepared jointly by the USGS and the Utah Division of Oil, Gas, and Mining.

The injection intervals in the initial four wells are between the depths of 3,974 and 5,554 feet, some 2,500 feet below the top of the Green River Formation which is at an average depth of 1,410 feet. The injection zones are composed of lenticular calcareous sandstones interbedded with low permeable carbonates and calcareous shales. The lenticular sandstones vary in thickness from 1 to 30 feet. The overall confining strata above the injection zones consist of impermeable Green River calcareous shales and continuous beds of microcrystalline dolomite. All injection zones in these four wells as well as in future conversion wells will be confined within a 2,100 foot section between the Green River "A" Lime marker bed and the top of the Basal Carbonate in the lower part of the formation.

#### Requirements for Additional Wells

(Condition 2)

The permittee may convert and/or construct other wells to enhanced recovery injection wells within the Area Permit boundary, provided that additional wells meet all conditions as set forth in this permit. Additional wells must have surface casing cemented to the surface; and cement behind the long string casing, below the injection zone and up to 300 feet above the uppermost perforations. The permittee shall also conduct appropriate downhole logging, and other tests, during the conversion and/or construction of any new enhanced recovery injection wells. For newly constructed wells, the permittee shall run a cement bond log (CBL)-variable density log (VDL)-gamma ray log (GR) from total depth (TD) to the base of the surface casing shoe. Additional logs to be run are a Dual Induction log, Density-Neutron and/or Sonic log. Along with this suite of logs, or any other pertinent logs, the permittee shall include appropriate narrative interpretations by a log analyst.

The permittee will determine the injection zone fluid pore pressure (static bottom-hole pressure) and will obtain an accurate injection zone fracture pressure, breakdown pressure,

and instantaneous shut-in pressure (ISIP) through injectivity testing of the injection zones. This testing may be performed prior to full operation, or within three months after injection operations are initiated. Also, an estimate of injection zone permeability and water quality of the formation fluid will be determined.

Any proposal for additional well conversions or new well construction must first be approved by the Director, and no action may be taken by the permittee until written authorization is received from the Director.

Tubing and Packer Specifications (Condition 3)

The injection wells will be equipped with 2-7/8 inch tubing and packers set above the injection zones. The permittee is required to set packers at a distance of no more than 100 feet above the uppermost perforations in each well. This information (Appendix A) submitted by the applicant is incorporated into the permit and shall be binding on the permittee.

Monitoring Devices (Condition 4)

For the purpose of taking tubing and tubing/long string casing annulus pressure measurements, the EPA is requiring that the permittee install 1/2-inch fittings (for stab type pressure receptacle) with cut-off valves at the wellhead on the tubing, and on the tubing/casing annulus.

EPA is further requiring the permittee to install a sampling tap on the line to each injection well and a flow meter that will be used to measure rate and cumulative volume of injected fluid.

Formation Testing and Logging (Condition 6)

- a. Testing. Upon conversion and/or construction of each well, the permittee is required to determine the injection zone fluid pore pressure (static bottom hole pressure) prior to commencement of disposal operations.
- b. Step-Rate Test. A step-rate injectivity test shall be performed on at least one (1) of the initial proposed injection wells to determine the formation parting pressure and the results submitted to the EPA. This testing may be performed prior to full operation, or within three (3) months after injection operations are initiated.
- c. Logging. The permittee shall conduct appropriate down-hole logging prior to the setting of production casing on all newly constructed wells. The following suite of logs are required; Dual Induction (DIL) and

Compensated Density/Neutron (CNL-FDC). A Cement Bond/Gamma Ray log shall be run after casing is set. All logging results shall be accompanied by a brief written narrative (prepared by a knowledgeable log analyst) identifying the USDWs, formation tops, confining layers, injection zones and top of cement.

## PART II, Section B CORRECTIVE ACTION

The applicant submitted the required 1/4-mile area of review (AOR) information with the permit application. Within the AOR there are forty-nine (49) production wells, five (5) plugged and abandoned wells, and one (1) permitted injection well (EPA Permit UT2497-03100). The long string casing/wellbore annulus in 23 of the production wells, and in the permitted injection well, is cemented from the casing shoe to ground surface; the remaining 26 production wells are cemented a minimum of 500 feet above the top of the Green River perforated intervals. The casing and cement in all of the production wells and the currently permitted well will prevent the migration of injected fluids up hole into any of the shallower Uinta Formation USDWs. The five plugged and abandoned wells within the AOR were plugged in such a manner that will also prevent any endangerment to USDWs. Therefore, the permittee is not required to take any corrective action prior to the issuance of this permit.

## PART II, Section C WELL OPERATION

### Prior to Commencing Injection (Initial Wells) Condition 1)

Injection operations shall not commence until the permittee has complied with the following:

- a. Conversion is complete and permittee has submitted a Well Rework Record (EPA Form 7520-12).
- b. Determined the injection zone fluid pore pressure.
- c. The well successfully passes a mechanical integrity pressure test (MIT) according to the guidelines discussed in the permit, and is witnessed by a representative of the EPA.

### Prior to Commencing Injection (Additional Wells) (Condition 2)

Enhanced recovery injection through any additional wells (converted and/or newly constructed) may not commence until the permittee has complied with both (a) and (b) below:

- a. All required formation testing and logging has been performed in accordance with Part II, A. 6., conversion

and/or construction is complete and the permittee has submitted the appropriate forms. These forms are EPA Form 7520-12 for conversion wells and EPA Form 7520-10 for newly constructed wells.

- b. The permittee demonstrates that a given well(s) has mechanical integrity in accordance with 40 CFR §146.8 and Part II, C. 3.(a), and the permittee has received notice from the Director that such a demonstration is satisfactory. The permittee shall notify EPA two weeks prior to conducting this test so that an authorized representative may be present to witness the test.

Mechanical Integrity (Subsequent to Initial Demonstration) (Condition 3)

A tubing/casing annulus pressure test must be repeated at least once every five (5) years to demonstrate continued tubing, packer, and casing integrity.

Injection Interval (Condition 4)

Fluid injection shall be limited to the gross interval within the Green River Formation between the approximate depths of 3,750 feet to 5,850 feet.

Injection Pressure Limitation (Condition 5)

The permittee shall limit the maximum surface injection pressure to 1900 psig. Permit provisions have been made that allow the Director to **increase or decrease** the injection pressure, based on the results of a step-rate test (SRT) showing that the new requested pressure will not exceed the formation breakdown pressure. The Director will specify in writing, to the permittee, any increase or decrease to the injection pressure based upon the test results and/or other parameters reflecting actual injection operations.

The permittee submitted fracture treatment data from the four initial wells to be converted. An average fracture gradient of 0.97 psig/ft for Green River sands was obtained from these treatments; however, a more conservative gradient of 0.88 psig/ft will be used to determine a maximum injection pressure. This latter gradient was obtained from a step-rate test of the Green River in the Ute Tribal #2-4 permitted well. The well depth (d) used in the calculation is the average depth of the shallowest injection intervals in the initial four wells. The Maximum surface injection pressure (Pm) was calculated as follows:

$$P_m = [0.88 - 0.433 (S_g)] d$$

Where: Pm = Maximum surface injection pressure  
at wellhead  
d = 4310 feet (average depth, top  
perforations in four initial wells)  
0.433 = hydrostatic gradient of water  
Sg = Specific gravity of injected fluid

$$P_m = [0.88 - 0.433(1.00)] 4310$$

$$P_m = 1926 \text{ psig}$$

#### Injection Volume Limitation

(Condition 6)

The daily injection rate will not be limited, but in no case shall the injection pressure exceed that listed in Part II, Section C, (Condition 5), above. There shall be no limit on the cumulative number of barrels of water that may be injected into the Green River Formation.

#### Injection Fluid Limitation

(Condition 7)

Injection fluids are limited to those which are identified in 40 CFR §144.6(b)(2), as fluids used for enhanced recovery of oil and/or natural gas. The permittee shall provide a listing of the sources of injected fluids on an annual basis as required by the permit.

## PART II, Section D MONITORING, RECORD KEEPING, AND REPORTING OF RESULTS

#### Injection Well Monitoring Program

(Condition 1)

The permittee is required to monitor water quality of the injected fluids on an annual basis. A water sample of injected fluids shall be analyzed for total dissolved solids, pH, specific conductivity, and specific gravity. Any time there is a change in the source of injection fluid, a new water quality analysis is also required. This analysis is required to be reported to EPA annually. In addition, weekly observations of flow rate, cumulative volume, injection pressure, and annulus pressure will be made. At least one observation each for flow rate, injection pressure, annulus pressure, and cumulative volume will be recorded on a monthly basis. This record is required to be reported to EPA annually.

The permittee shall maintain copies (or originals) of all pertinent records at the office of Petroglyph Operating Company, Inc., 6209 North Highway 61, Hutchinson, Kansas 67502.

## PART II, Section E PLUGGING AND ABANDONMENT

### Plugging and Abandonment Plan

(Condition 2)

The plugging and abandonment plans submitted by the applicant, are incorporated into the permit, (Appendix C of the Permit) and shall be binding on the permittee. These plans have been reviewed and are consistent with UIC requirements.

### Plugging of Additional Wells

(Condition 5)

The permittee may plug any additional injection wells within the permitted area, converted or constructed under Part II Section A, provided that the respective plugging and abandonment plans meet all conditions as set forth in the permit. Plugging and abandonment shall not occur until the EPA has reviewed and approved the plan(s).

## PART II, Section F FINANCIAL RESPONSIBILITY

### Demonstration of Financial Responsibility

(Condition 1)

Petroglyph Operating Company, Inc. has chosen to demonstrate financial responsibility by a Surety Bond and Standby Trust Agreement, both of which have been evaluated and approved.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

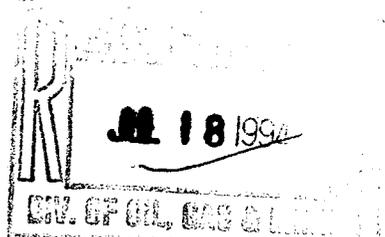
REGION VIII

999 18th STREET - SUITE 500  
DENVER, COLORADO 80202-2466

JUL 14 1994

Ref: 8WM-DW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**



R. A. Christensen  
President  
Petroglyph Operating Company, Inc.  
6209 North Highway 61  
Hutchinson, Kansas 67502

RE: UNDERGROUND INJECTION CONTROL (UIC)  
Final Area Permit for the  
Antelope Creek Field Waterflood  
EPA Area Permit No. UT2736-00000  
Duchesne County, Utah

Dear Mr. Christensen:

Enclosed is the Final Underground Injection Control Area Permit for the Antelope Creek Field Waterflood. The first four wells included in the permit to be utilized as injection wells for the purpose of enhanced recovery are the Ute Tribal #1-8, #5-8, #4-18, and #5-18. A Final Statement of Basis, which discusses development of the Permit is also included.

The public comment period for the proposed permit action ended July 8, 1994. There were no comments from the public, surface landowner, or from your office; therefore, the final permit action is to become effective upon the date of issuance.

Following completion of the well conversions, but prior to commencement of injection operations, each well must undergo and pass a mechanical integrity pressure test. A two (2) week notice of each scheduled test is required so that we can arrange to witness it. Please contact John Carson, telephone (303) 293-1435, in this regard. Also, please direct all correspondence to the attention of John Carson at Mail Code 8WM-DW.

Sincerely,

Max H. Dodson  
Director  
Water Management Division

Enclosures: Final Area Permit  
Final Statement of Basis



cc: John E. Dyer w/enclosures  
Land Resources, Inc.

Luke Duncan w/enclosures  
Northern Ute Tribe

Ferron Secakuku w/enclosures  
Northern Ute Tribe

Norman Cambridge w/enclosures  
Bureau of Indian Affairs

Charles H. Cameron w/enclosures  
Bureau of Indian Affairs

Jerry Kenczka w/enclosures  
Bureau of Land Management

Gilbert Hunt w/enclosures  
State of Utah Natural Resources  
Division of Oil, Gas and Mining

60-5  
90)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
14-20-H62-3507

6. If Indian, Allottee or Tribe Name  
Ute Indian Tribe

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Ute Tribal 5-8

9. API Well No.  
43-013-31307

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
Duchesne County, UT

SUBMIT IN TRIPLICATE

Type of Well  
Oil Well  Gas Well  Other

Name of Operator  
Petroglyph Operating Company, Inc.

Address and Telephone No.  
6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

Description of Well (Footage, Sec., T., R., M., or Survey Description)  
1550' FNL & 1550' FWL  
SE NW Sec. 8-T5S-R3W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enclosed please find an MIT performed on September 27, 1994 for the above referenced well. Injection commencing on 9-28-94 per EPA approval.

I, [Signature] Title President Date 9-28-94

(space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

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

# Mechanical Integrity Test Casing/Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8W4-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: NONE Date 9/27/94 Time 5:00 AM  
Test conducted by: WILLIE WILLIAMS, D+M OILFIELD SERVICE  
Others present: \_\_\_\_\_

Well name	<u>UTE TRIPAL 5-8</u>	EPA Number	<u>UT2736-00000</u>
Field name	<u>ANTELOPE CREEK</u>		
Location	<u>SE/NW</u> qtr qtr; <u>8</u> Section; <u>55</u> Township; <u>3W</u> Range		
Owner/Operator	<u>PETROGLYPH OPERATING CO, INC</u>		

Time	Test #1	Test #2	Test #3
0 min	<u>500</u> psig	_____ psig	_____ psig
5	<u>500</u>	_____	_____
10	<u>500</u>	_____	_____
15	<u>500</u>	_____	_____
20	<u>500</u>	_____	_____
25	<u>500</u>	_____	_____
30 min	<u>490</u>	_____	_____
35	<u>490</u>	_____	_____
40	<u>490</u>	_____	_____
45	<u>490</u>	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____

Tubing press 0 psig \_\_\_\_\_ psig \_\_\_\_\_ psig

Result (circle) Pass Fail      Pass Fail      Pass Fail

Signature of Witness: Don Lindsey

**5-8 Ute Tribal  
Duchesne County, UT  
Convert to Injection  
Conversion Work Record  
AFE # 40048  
7-19-94**

*For work done 8-4-94*

Removed TIW and flow tee. Cut off wash tool. Fed CT through tubing head. Installed 5 1/2" Baker "FH" packer, F nipple and pump out plug. RIH to 4850'. Displaced annulus with FW and O<sub>2</sub> scav. 1/4 BPM @ 2300 psi. Pumped down CT to set packer. Pumped out plug @ 5000 psi. Pulled 5000# tension on CT. Set slips and packoff in tubing head. Cut off CT. Installed gate valve. RD NOWCAM.

*For work done 8-3-94*

Pumped 30 BBLs condensate into casing (began @ 1/4 BPM @ 2000 psi ended 0 rate @ 2000 psi). RD NOWCAM CT unit. Moved to Ute 1-8 (installed injection equipment). MIRU CT unit. Installed flow tee and TIW valve. Installed wash tool. RIH with wash tool on 1-1/2" CT. Washed and injected perms 5086' - 5117' with 40 BBLs condensate (final rate 1 BPM @ 2000 psi). Displaced with FW. POOH with CT. SWIFN.

*For work done 8-2-94*

MIRU. Now cam CT unit. Removed WH. Fed CT through injector BOP and tubing head. Attached 5-1/2" Taker FH packer, "F" nipple and pump out plug to CT. Stab packer. Installed tubing head. RIH to 5000'. Displaced annulus with FW and O<sub>2</sub> scale. Pumped down CT to set packer. Pumped out plug @ 2000 psi. Tested annulus to 500 psi (circ out tubing) - packer not set. POOH (packer not activated, plug apparently pumped out prematurely).

*For work done 8-1-94*

Skidded pumping unit back from wellhead.

*For work done 7-21-94*

LD 16 joints 2-7/8" tubing, bit and scraper. ND BOP. Hung 1 joint 2-7/8" tubing in WH. Hooked up flow line. RD MOPU.

*For work done 7-20-94*

HO casing with 20 BW. HO tubing with 30 BW. LD 140 3/4" rods and 64 7/8" rods. Sheared anchor (couldn't release). POOH with 169 joints 2-7/8" tubing. RIH with 4-3/4" bit and 5-1/2"

casing. Scraper to 5318' (PU 7 joints, 2-7/8" tubing). POOH LD 160 joints 2-7/8" tubing (gas occasionally blowing oil out of tubing, as high as the tubing board at times). SWIFN.

*For work done 7-19-94*

MIRU Betts W.S. Rig #1. TP 0 psi. Unseated pump. Laid down 2-7/8" rods. Reinstalled P.R. and stuffing box to flush. SWIFN.

PETROGLYPH GAS PARTNERS, L.P.  
AND  
PETROGLYPH OPERATING COMPANY, INC.

P.O. Box 1839  
Hutchinson, Kansas 67504-1839  
Tele: (316) 665-8500  
Fax: (316) 665-8577

P.O. Drawer 607  
Roosevelt, Utah 84066  
Tele: (801) 722-2531  
Fax: (801) 722-9145

TELECOPIER TRANSMITTAL SHEET

PRIVILEGED AND CONFIDENTIAL

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This transmission consists of 5 page(s), including this cover sheet. Please deliver to recipient immediately!!

TO: John Carson COMPANY: EPA  
FROM: Angie Bare COMPANY: POCI  
Fax Number: \_\_\_\_\_ Date: 9-28-94

Message:

Please call with verbal approval (316) 665-8500. Thank you.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. 14-20-H62-3507 6. If Indian, Allottee or Tribe Name Ute Indian Tribe 7. If Unit or CA, Agreement Designation 8. Well Name and No. Ute Tribal 5-8 9. API Well No. 43-013-31307 10. Field and Pool, or Exploratory Area Antelope Creek 11. County or Parish, State Duchesne County, UT

Name of Well Operator: Petroglyph Operating Company, Inc. Address and Telephone No.: 09 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500 Location of Well (Footage, Sec., T., R., M., or Survey Description): 1550' FNL & 1550' FWL Sec. 8-T5S-R3W SE NW

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION: Notice of Intent, Subsequent Report, Final Abandonment Notice. TYPE OF ACTION: Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Other, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, Dispose Water.

Be Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Further to BLM and EPA approval (Permit # UT2736-00000), this well has been converted to injection. A completed well diagram and job summary are enclosed.

OCT 3

Signature of R. A. Christenson, President, dated 8-5-94. NOTED by [Signature], Title [Blank], Date AUG 19 1994.

Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or reports as to any matter within its jurisdiction.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 21 1994

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. 14-20-H62-3507
2. Name of Operator Petroglyph Operating Company, Inc.	6. If Indian, Allottee or Tribe Name Ute Indian Tribe
3. Address and Telephone No. 6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1550' FNL & 1550' FWL SE NW Sec 8-T5S-R3W	8. Well Name and No. Ute Tribal 5-8
	9. API Well No. 43-013-31307
	10. Field and Pool, or Exploratory Area Antelope Creek
	11. County or Parish, State Duchesne County, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Further to BLM and EPA approval (Permit #UT 2736-00000), we have repositioned injection packer in hole and performed MIT. Copies of well diagram, MIT report and job summary are enclosed. Injection commenced 9-28-94 per EPA Approval.

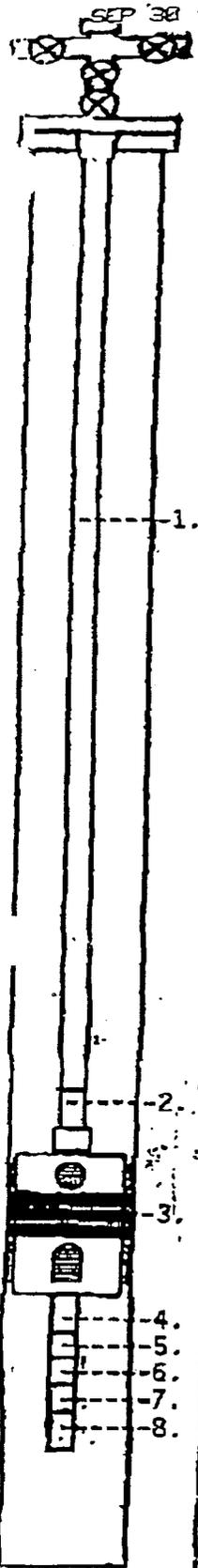
14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title President Date 10-3-94

(This space for Federal or State office use)

Reviewed by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Reasons of approval, if any:

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



P. J

COMPANY	PETROGLYPH OPERATING	CASING	LINE	UPPER TUBING	LOWER TUBING
WELL NAME & NUMBER	UTE TRIBAL 5-8	SIZE	5-1/2	1.50	2-3/8
FIELD		WEIGHT	15.5#	1.426	4.6
COUNTY	DUCHESNE	GRADE	J-55	QT-700	J-55
STATE	UTAH	THREAD			EUE
DATE	09-27-94	<input type="checkbox"/> NEW <input type="checkbox"/> W.D.	DEPTH		

ITEM	DESCRIPTION	MAX. O.D. INCHES	MIN. I.D. INCHES	LENGTH FEET	DEPTH FEET
*	K.B.			10.00	
1	4700' OF 1.5 SEAMED COILED TUBING	1.50	1.348	4689.45	4689.45
2	1.5 CONNECTOR W/ 2-3/8 EU. PIN	2.215	1.295	.55	4700.00
3	45A4 FH PKR. W/ 20,000# SHEAR RING	4.641	1.901	6.09	4706.09
4	2-3/8 X 4' PUP JNT. J-55	3.063	1.995	4.13	4710.22
5	2-3/8 EU B.X 1.660 EU IORD. PIN	3.063	1.309	.55	4710.77
6	BAKER 1.81 "F" NIPPLE	2.220	1.187	.75	4711.52
7	1.660 EU IORD. B.X 2-3/8 EU PIN	2.630	1.600	.31	4711.83
8	2-3/8 EU PUMP OUT PLUG W/ WIRELINE	3.045	2.060	.64	4712.47
	ENTRY GUIDE				
	TUBING LANDED W/ 5,000# TENSION				
	TOP PERF. @ 5086'				
	BTM PERF. @ 5117'				
	P.B.T.D. @ 5280'				
	SQUEEZE PERFS. @ 4926' TO 4955'				

PREPARED FOR DAN LINDSEY

PREPARED BY REX McCARLEY      OFFICE VERNAL, UTAH      PHONE (801)-789-5918

**BAKER PACKERS**

6625 NAVIGATION BOULEVARD  
P.O. BOX 3018 • HOUSTON, TEXAS 77011  
TELEPHONE (713) 823-9351 • TELETYPE 76 2811

A DIVISION OF BAKER OIL TOOLS GROUP, BAKER INTERNATIONAL CORPORATION

# Mechanical Integrity Test Casing/Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8W1-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: NONE Date 9/27/94 Time 5:00 am  
Test conducted by: WILLIE WILLIAMS, O+M OILFIELD SERVICE  
Others present: \_\_\_\_\_

Well name	<u>UTE TRIPAL 5-8</u>	EPA Number	<u>UT2736-00000</u>
Field name	<u>ANTELOPE CREEK</u>		
Location	<u>SE/NW</u> qtr qtr; <u>8</u> Section; <u>55</u> Township; <u>3W</u> Range		
Owner/Operator	<u>PETROGLYPH OPERATING CO, INC</u>		

Time	Test #1	Test #2	Test #3
	psig	psig	psig
0 min	<u>500</u>	_____	_____
5	<u>500</u>	_____	_____
10	<u>500</u>	_____	_____
15	<u>500</u>	_____	_____
20	<u>500</u>	_____	_____
25	<u>500</u>	_____	_____
30 min	<u>490</u>	_____	_____
35	<u>490</u>	_____	_____
40	<u>490</u>	_____	_____
45	<u>490</u>	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____

Tubing press 0 psig \_\_\_\_\_ psig \_\_\_\_\_ psig

Result (circle) Pass Fail      Pass Fail      Pass Fail

Signature of Witness: Don Lindsey

5-8 Ute Tribal  
Duchesne County, UT  
Convert to Injection  
Conversion Work Record  
AFE # 40048  
7-19-94

*For work done 9-27-94*

Picked up overshot with crane. Fished coiled tubing. Installed tubing connector. Attempted to release packer with NOWCAM unit (connector pulled out of tubing). PU overshot with crane. Fished C.T. Sheared packer with crane. Installed tubing connector. Began circulating fresh water with packer fluid down tubing. POOH with CT and packer while circulating. Swapped 5 1/2" packers. RIH with 5 1/2" "FH" packer on C.T. to 4700'. Pumped down tubing to set packer. Pumped out tubing plug @ 3200 PSI. Pulled 5000# tension on C.T. Set slips and packoff in tubing head. Tested CSG to 500 PSI (bled down to 490 PSI in 45 min). Cut off C.T. RD NOWCAM. Installed injection line. Waiting on EPA Approval to inject.

*For work done 9-26-94*

RU NOWCAM. Disconnected inj line. Installed C.T. connector. Released tubing. Picked up (tubing parted at ground level). Shut well in. Ordered fishing tools.

*For work done 8-4-94*

Removed TIW and flow tee. Cut off wash tool. Fed CT through tubing head. Installed 5-1/2" Baker "FH" packer, F nipple and pump out plug. RIH to 4850'. Displaced annulus with FW and O<sub>2</sub> scav. 1/4 BPM @ 2300 psi. Pumped down CT to set packer. Pumped out plug @ 5000 psi. Pulled 5000# tension on CT. Set slips and packoff in tubing head. Cut off CT. Installed gate valve. RD NOWCAM.

*For work done 8-3-94*

Pumped 30 BBLs condensate into casing (began @ 1/4 BPM @ 2000 psi ended 0 rate @ 2000 psi). RD NOWCAM CT unit. Moved to Ute 1-8 (installed injection equipment). MIRU CT unit. Installed flow tee and TIW valve. Installed wash tool. RIH with wash tool on 1-1/2" CT. Washed and injected perms 5086' - 5117' with 40 BBLs condensate (final rate 1 BPM @ 2000 psi). Displaced with FW. POOH with CT. SWIFN.

*For work done 8-2-94*

MIRU. Now cam CT unit. Removed WH. Fed CT through injector BOP and tubing head. Attached 5-1/2" Taker FH packer, "F" nipple and pump out plug to CT. Stab packer. Installed tubing head. RIH to 5000'. Displaced annulus with FW and O<sub>2</sub> scale. Pumped down CT to set packer. Pumped out plug @ 2000 psi. Tested annulus to 500 psi (circ out tubing) - packer not set. POOH (packer not activated, plug apparently pumped out prematurely).

*For work done 8-1-94*

Skidded pumping unit back from wellhead.

*For work done 7-21-94*

LD 16 joints 2-7/8" tubing, bit and scraper. ND BOP. Hung 1 joint 2-7/8" tubing in WH. Hooked up flow line. RD MOPU.

*For work done 7-20-94*

HO casing with 20 BW. HO tubing with 30 BW. LD 140 3/4" rods and 64 7/8" rods. Sheared anchor (couldn't release). POOH with 169 joints 2-7/8" tubing. RIH with 4-3/4" bit and 5-1/2" casing. Scraper to 5318' (PU 7 joints, 2-7/8" tubing). POOH LD 160 joints 2-7/8" tubing (gas occasionally blowing oil out of tubing, as high as the tubing board at times). SWIFN.

*For work done 7-19-94*

MIRU Betts W.S. Rig #1. TP 0 psi. Unseated pump. Laid down 2-7/8" rods. Reinstalled P.R. and stuffing box to flush. SWIFN.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED SEP 07 1995

FORM APPROVED Budget Bureau No 100K-0135 Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

3. Lease Designation and Serial No. 14-20-H62-3507

6. If Indian, Allottee or Tribe Name Ute Indian Tribe

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation 14-20-H62-4650

1. Type of Well Oil Well Gas Well Other

8. Well Name and No. Ute Tribal 5-8

2. Name of Operator Petroglyph Operating Company, Inc.

9. API Well No. 43-013-31307

3. Address and Telephone No. 6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1550' FNL & 1550' FWL SE NW Sec. 8-T5S-R3W

10. Field and Pool, or Exploratory Area Antelope Creek

11. County or Parish, State Duchesne County, Utah

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Reconception, Plugging Back, Casing Repair, Altering Casing, Other, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, Dispose Water.

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Petroglyph Operating Company, Inc. would like to notify you by subsequent report that the above referenced well was reperforated on 5/31/95. Reperfed 5100' - 5106' & 5108' - 5117' using 4" spf. On 6/1/95 spotted 500 gal 15% HCL. Pumped into perms 5100'-17' 3 BPM @ 4000 psi. Frac 13.5 BPM @ 5000 psi down tbg w/35# gel pad (started sand in pad @ .25 ppg) & 30# gel sand. Totals 11000 gals x-link gel, 20/40# sand. RIH w/ 5-1/2" 'FH' pkr & equip on 1-1/2" CT to 4653'. MIT done & put on injection 6-24-95.

I hereby certify that the foregoing is true and correct. Signed: [Signature] Title: Manager of Operations Date: 7-5-95

Approved by: [Signature] Title: Tax Credit Date: 8/31/95

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

## WORKOVER REPORT

8/30/95

*Petroglyph Operating Company, Inc.*

**Operator:** Petroglyph Operating Company, Inc.

**Elevation:**

**Lease:** Ute Tribal 5-8

**Location:** 8 - 5 S - 3 W

**County, St.:** Duchesne UT

**AFE/EPE Number:** 41140

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Activity Date	Daily Cost	Activity Description
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6/24/95		Tbg pressure 1760#, injected 133 BPD for 24 hours. MIT done & put on injection. FINAL REPORT.
6/23/95		Tbg pressure 730#, left SI.
6/22/95		Tbg pressure 740#, left SI.
6/21/95		Tbg pressure 750#, left SI.
6/19/95		Tbg pressure 800#, left SI.
6/18/95		Tbg pressure 1200#, left SI.
6/17/95		Tbg pressure 2150#, left SI.
6/16/95		Pumped 200 BW @ 250 <sup>-</sup> , tbg pressure 3500#-4000#, left SI.
6/11/95		Tbg pressure 160#, left WI.
6/10/95		Tbg pressure 1780#, csg pressure 0#, left SI.
6/9/95		Pumped 30 BBL condensate dwn tbg @ 2540#, 1900# tbg pressure, SI.
6/8/95	\$13,277.00	MIRU Dowell CT unit. NU window, BOP & injector. RIH w/ 5 1/2" 'FH' pkr & equip on 1 1/2" CT to 4653'. Circ well w/ FW & pkr fluid @ opened window - cut tbg - dropped 1" ball - reconnected. Pressured tbg to 1900 psi - pkr set - to 2500 pwi. Pumped ball & sleeve out of WL entry guide. Installed hanger & hung CT w/ 2000#. Pumped into formation down tbg 1 BPM @ 1000 psi. SWI.
6/5/95	\$1,133.00	SITP-450 psi. SICP-0 psi. RU Swab. IFL-0 psi. Made 1 swab run to 1500'. Rec 7 BW. RD swab. Released Champ pkr @ 5008'. RIH to 5190 to ensure perms are clear. POOH. LD tbg. SWI. Will install CT 6-8-95.

# WORKOVER REPORT

8/30/95

Petroglyph Operating Company, Inc.

**Operator:** Petroglyph Operating Company, I

**Elevation:**

**Well:** Ute Tribal 5-8

**County, St.:** Duchesne UT

**Activity Date    Daily Cost    Activity Description**

6/2/95      \$1,503.00    SITP-1000 psi. SICP-0 psi. Flowed 60 BW in 4 hrs - well died. RU swab. IFL-0 psi. Made 9 swab runs in 4 hrs - started getting oil. SWIFN. FFL-3300'. Rec 60 BW swabbing, 120 BW total.

Zone BLF:	290
Zone BLFR:	120
Zone BLFTR:	170
Zone % REC:	42%

6/1/95      \$19,644.00    RU Dowell. Est rate down tbg. 1 BPM @ 3350 psi. Opened bypass - spotted 500 gal 15% HCL w/ adds to pkr - closed bypass. Pumped into perfs 5100'-17' 3 BPM @ 4000 psi - communicated w/ perfs 5086'-90'. Moved Champ pkr to 5008'. PI MIR 8.9 BPM @ 5000 psi. Had pumped 120 7/8" 1.3 XG ball sealers - no action. ISIP-3100 psi. Surged off balls. Frac 13.5 BPM @ 5000 psi down tbg w/ 35# gel pad (started sand in pad @ 0.25 ppg) & 30# gel sand stages (manually stepped up sand concentration from 1-6 ppg). Totals 11000-gals x-link gel, 20/40# sand. AIR-17 BPM. ATP-5000 psi. ISIP-3170 psi. 15 min-2000 psi. SWIFN. Zone BLF: 290.

\*Frac water - Borate x-link fresh water w/ 2% KCL equiv.

5/31/95      \$4,958.00    Removed Pedcor CT hanger. Installed WE. NU BOP. RU Hydrotester's PU & hydrotested 170 jts 2-7/8" tbg below slips to 6500 psi. Jt 106 split @ 4800 psi. RIH to 5170'. POOH. RU Schlumberger. Reperfed 5100' - 5106' & 5108' - 5117' using 4 spf, 4" heg csg gun, 90° phased, depth per Schlumberger CNL 8-29-91 - all shots fired, 60 total. RIH w/ 5 1/2" champ pkr on 2-7/8" tbg. Spotted pkr w/ GR-CCL to 5095' - max temp 142°F. SWIFN. Will acidize & frac tomorrow.

5/30/95      \$433.00      MIRU PU.

5/24/95      \$7,500.00    MIRU Dowell CT Unit. Remove injection line. Blew down tbg to water truck. Installed connector. Released slips in Pedcor tbg hanger. Worked CT to shear 'FH' packer. Roll connector, pulled out of CT. Ordered fishing tools. PU overshot w/ 1 1/2" grapple - caught CT @ 6' below GL. Sheared 'FH' packer - LD overshot. Reinstalled connector. Spooled 1 1/2" CT & pkr out of well. SWI.

**Cumulative Cost:      \$48,448.00**

**Days Since Start:      32**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
SEP 13 1995

FORM APPROVED  
Budget Bureau No 1004-0135  
Expires March 31, 1992

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or re-perforate or to alter a well or to alter a reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

7. Lease Designation and Serial No.  
14-20-H62-3507  
8. Indian, Allottee or Tribe Name  
Ute Indian Tribe

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Petroglyph Operating Company, Inc.

3. Address and Telephone No.  
6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1550' FNL & 1550' FWL  
SE NW Sec. 8-T5S-R3W

7. If Unit or CA, Agreement Designation  
14-20-H62-4650

8. Well Name and No.  
Ute Tribal 5-8

9. API Well No.  
43-013-31307

10. Field and Pool, or Exploratory Area  
Antelope Creek

11. County or Parish, State  
Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Petroglyph Operating Company, Inc. would like to notify you by subsequent report that the above referenced well was re-perforated on 5/31/95.

Reperfed 5100' - 5106' & 5108' - 5117' using 4' spf. On 6/1/95 spotted 500 gal 15% HCL. Pumped into perfs 5100'-17' 3 BPM @ 4000 psi.

Frac 13.5 BPM @ 5000 psi down tbg w/35# gel pad (started sand in pad @ .25 ppg) & 30# gel sand. Totals 11000 gals x-link gel, 20/40# sand.

RIH w/ 5-1/2" 'FH' pkr & equip on 1-1/2" CT to 4653'. MIT done & put on injection 6-24-95.

14. I hereby certify that the foregoing is true and correct.

Signed *[Signature]* Title Manager of Operations Date 7-5-95

(This space for Federal or State office use)

Witnessed by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

(Date of approval, if any)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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5. Lease Designation and Serial No.

14-20-H62-3507

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

14-20-H62-4650

8. Well Name and No.

Ute Tribal 5-8

9. API Well No.

43-013-31307

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

6209 N. Highway 61 Hutchinson, KS 67502 (316) 665-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SENEW 1550 FNL & 1550 FWL  
8-5S-3W

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other well name change  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

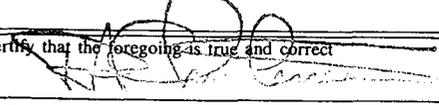
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

In an effort to bring all of the existing wells and the anticipated wells to be drilled into a uniform numbering system, based on 40 acre locations, each well name will be changed to consist of its section location followed by the correct number of its well spot, based upon 16 wells per section.

Petroglyph Operating Company, Inc. would like to notify by subsequent report that the above referenced well name has been changed to Ute Tribal 08-06. This will be effective January 1, 1996.

14. I hereby certify that the foregoing is true and correct

Signed 

Title President

Date 1/25/96

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_ Date \_\_\_\_\_

January 26, 1996

Ron Firth  
State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, UT 84180-1203

**RE: Well Name Change for Wells in the Antelope Creek Field, Duchesne County, UT**

Mr. Firth:

In an effort to bring all of the existing wells and wells to be drilled into a uniform numbering system, based on 40 acre locations and 16 wells per section, each well name will be changed to consist of its section location followed by the correct number of its well spot.

Enclosed please find sundry notices changing the well name for all wells located in Antelope Creek. We are making this change effective January 1, 1996. Also enclosed for your convenience is a list consisting of the "old" well names and the "new" well names.

Your assistance during this time of transition is greatly appreciated. If you have any questions regarding the enclosed information, please do not hesitate to contact me at (316) 665-8500.

Sincerely,



Angela R. Ely  
Administrative Operations Manager

ARE/ms

Enclosures

pc: Dennis Ingram  
Lisha Cordova

## 96WELLÇ.XLS

AgrmtNbt	LeaseNbr	LeaseName	Old	New	API	Footage	Field	Town	Range	Sec	Qtr
14-20-H62-4650	14-20-H62-3509	Ute Tribal	1-10	10-12	43-013-30805	2001 FSL & 600 FWL	Antelope Creek	5S	3W	10	NWSW
14-20-H62-4650	14-20-H62-3510	Ute Tribal	1-15	15-04	43-013-30880	907 FNL & 515 FWL	Antelope Creek	5S	3W	15	NWNW
14-20-H62-4650	14-20-H62-3511	Ute Tribal	1-16	16-16	43-013-30804	505 FSL & 600 FEL	Antelope Creek	5S	3W	16	SESE
14-20-H62-4650	14-20-H62-4633	Ute Tribal	1-17	17-01	43-013-30790	638 FNL & 610 FEL	Antelope Creek	5S	3W	17	NENE
14-20-H62-4650	14-20-H62-3513	Ute Tribal	1-18	18-01	43-013-30761	550 FNL & 521 FEL	Antelope Creek	5S	3W	18	NENE
14-20-H62-4650	14-20-H62-3514	Ute Tribal	1-19	19-16	43-013-30803	556 FNL & 603 FEL	Antelope Creek	5S	3W	19	SESE
14-20-H62-4650	14-20-H62-3515	Ute Tribal	1-20	20-02	43-013-30764	404 FNL & 1539 FEL	Antelope Creek	5S	3W	20	NWNE
14-20-H62-4650	14-20-H62-3516	Ute Tribal	1-21	21-13	43-013-30883	611 FSL & 786 FWL	Antelope Creek	5S	3W	21	SWSW
14-20-H62-4650	14-20-H62-3517	Ute Tribal	1-28	28-05	43-013-30802	2583 FNL & 712 FWL	Antelope Creek	5S	3W	28	SWNW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	1-29 inj	29-09 inj	43-013-30763	1324 FSL & 1160 FEL	Antelope Creek	5S	3W	29	NENE
14-20-H62-4650	14-20-H62-3502	Ute Tribal	1-3	03-13	43-013-30823	659 FSL & 659 FWL	Antelope Creek	5S	3W	3	SWSW
14-20-H62-4650	14-20-H62-3519	Ute Tribal	1-30	30-07	43-013-30852	1980 FNL & 1980 FEL	Antelope Creek	5S	3W	30	SWNE
14-20-H62-4650	14-20-H62-3520	Ute Tribal	1-31	31-02	43-013-30827	519 FNL & 1942 FEL	Antelope Creek	5S	3W	31	NWNE
14-20-H62-4650	14-20-H62-3521	Ute Tribal	1-32	32-08	43-013-30853	2100 FNL & 660 FEL	Antelope Creek	5S	3W	32	SENE
14-20-H62-4650	14-20-H62-3522	Ute Tribal	1-33	33-04	43-013-30806	723 FNL & 802 FWL	Antelope Creek	5S	3W	33	NWNW
14-20-H62-4650	14-20-H62-3523	Ute Tribal	1-4	04-01	43-013-30762	1331 FNL & 1277 FEL	Antelope Creek	5S	3W	4	NENE
14-20-H62-4650	14-20-H62-3503	Ute Tribal	1-5	05-07	43-013-30785	2430 FNL & 1777 FEL	Antelope Creek	5S	3W	5	SWNE
14-20-H62-4650	14-20-H62-3505	Ute Tribal	1-6	06-16	43-013-30793	833 FSL & 902 FEL	Antelope Creek	5S	3W	6	SESE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	1-7	07-14	43-013-30788	559 FSL & 1957 FWL	Antelope Creek	5S	3W	7	SESW
14-20-H62-4650	14-20-H62-3507	Ute Tribal	1-8 inj	08-04 inj	43-013-30759	754 FNL & 888 FWL	Antelope Creek	5S	3W	8	NWNW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	11-5	05-09	43-013-31468	2150 FSL & 639 FEL	Antelope Creek	5S	3W	5	NESE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	12-28	28-12	43-013-31529	1861 FSL & 496 FWL	Antelope Creek	5S	3W	28	NWSW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	12-4	04-12	43-013-31470	2000 FSL & 600 FWL	Antelope Creek	5S	3W	4	NWSW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	12-5	05-11	43-013-31454	1856 FSL & 1457 FWL	Antelope Creek	5S	3W	5	SESW
14-20-H62-4650	14-20-H62-3507	Ute Tribal	13-8	08-13	43-013-31468	660 FSL & 660 FWL	Antelope Creek	5S	3W	8	SWSW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	14-29	29-10	43-013-31475	1955 FSL & 2125 FEL	Antelope Creek	5S	3W	29	NWSE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	14-5	05-14	43-013-31455	590 FSL & 1984 FWL	Antelope Creek	5S	3W	5	SESW
14-20-H62-4650	14-20-H62-3518	Ute Tribal	15-29	29-15	43-013-31530	649 FSL & 1831 FEL	Antelope Creek	5S	3W	29	SWSE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	15-5	05-15	43-013-31461	990 FSL & 1900 FEL	Antelope Creek	5S	3W	5	SWSE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	16-5	05-16	43-013-31527	708 FSL & 523 FEL	Antelope Creek	5S	3W	5	SESE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	16-7	07-16	43-013-31463	440 FSL & 410 FEL	Antelope Creek	5S	3W	7	SESE
14-20-H62-4650	14-20-H62-3509	Ute Tribal	1A-8	08-01	43-013-31568	660 FSL & 660 FEL	Antelope Creek	5S	3W	8	NENE
14-20-H62-4650	14-20-H62-3511	Ute Tribal	2-10	10-03	43-013-31187	600 FNL & 1650 FWL	Antelope Creek	5S	3W	10	NENW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	2-16	16-13	43-013-31166	750 FSL & 500 FWL	Antelope Creek	5S	3W	16	SWSW
14-20-H62-4650	14-20-H62-3515	Ute Tribal	2-18	18-08	43-013-30881	1929 FNL & 612 FEL	Antelope Creek	5S	3W	18	SENE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	2-20	20-07	43-013-30882	1980 FNL & 1980 FEL	Antelope Creek	5S	3W	20	SWNE
14-20-H62-4650	14-20-H62-3502	Ute Tribal	2-29	29-16	43-013-30849	500 FSL & 500 FEL	Antelope Creek	5S	3W	29	SESE
14-20-H62-4650	14-20-H62-3520	Ute Tribal	2-3	03-14	43-013-31097	1050 FSL & 1980 FWL	Antelope Creek	5S	3W	3	SESW
14-20-H62-4650	14-20-H62-3520	Ute Tribal	2-31	31-03	43-013-31188	442 FNL & 2338 FWL	Antelope Creek	5S	3W	31	NENW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	2-4 inj	04-07 inj	43-013-30879	2551 FNL & 1900 FEL	Antelope Creek	5S	3W	4	SWNE
14-20-H62-4650	14-20-H62-3504	Ute Tribal	2-5	05-13	43-013-30824	723 FSL & 588 FWL	Antelope Creek	5S	3W	5	SWSW
14-20-H62-4650		State	2-6	06-10	43-013-30891	2525 FSL & 1836 FEL	Antelope Creek	5S	3W	6	NW SE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	2-7	07-01	43-013-30825	567 FNL & 706 FEL	Antelope Creek	5S	3W	7	NENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	2-8	08-05	43-013-30826	1980 FNL & 500 FWL	Antelope Creek	5S	3W	8	SWNW
14-20-H62-4650	14-20-H62-3508	Ute Tribal	2-9	09-01	430-13-30789	770 FNL & 1059 FEL	Antelope Creek	5S	3W	9	NENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	2A-8	08-02	43-013-31569	506 FNL & 1956 FEL	Antelope Creek	5S	3W	8	NWNE
14-20-H62-4650	14-20-H62-3513	Ute Tribal	3-18	18-03	43-013-31528	614 FNL & 1983 FWL	Antelope Creek	5S	3W	18	NENW

## 96WELLÇ.XLS

AgrmtNbr	LeaseNbr	LeaseName	Old	New	API	Footage	Field	Town	Range	Sec	Qtr
14-20-H62-4650	14-20-H62-3515	Ute Tribal	3-20	20-06	43-013-31175	2050 FNL & 1950 FWL	Antelope Creek	5S	3W	20	SEnw
14-20-H62-4650	14-20-H62-3518	Ute Tribal	3-29	29-06	43-013-30850	1900 FNL & 1980 FWL	Antelope Creek	5S	3W	29	SEnw
14-20-H62-4650	14-20-H62-3503	Ute Tribal	3-4	04-11	43-013-30878	1999 FSL & 1738 FWL	Antelope Creek	5S	3W	4	NESW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	3-5 E3 inj	05-10 inj	43-013-30938	2068 FSL & 2093 FEL	Antelope Creek	5S	3W	5	NWSE
14-20-H62-4650	14-20-H62-3505	Ute Tribal	3-6	06-08	43-013-31189	2323 FNL & 691 FEL Lot # 9	Antelope Creek	5S	3W	6	SENE
14-20-H62-4650	14-20-H62-3506	Ute Tribal	3-7	07-08	43-013-30828	1864 FNL & 972 FEL	Antelope Creek	5S	3W	7	SENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	3-8	08-03	43-013-31101	505 FNL & 439 FWL	Antelope Creek	5S	3W	8	NENW
14-20-H62-4650	14-20-H62-4633	Ute Tribal	4-17	17-04	43-013-31464	697 FNL & 636 FWL	Antelope Creek	5S	3W	17	NWNW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	4-18 inj	18-02 inj	43-013-31099	812 FNL & 1768 FEL	Antelope Creek	5S	3W	18	NWNE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	4-29	29-04	43-013-30851	660 FNL & 660 FWL	Antelope Creek	5S	3W	29	NWNW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	4-4	04-13	43-013-30848	807 FSL & 886 FWL	Antelope Creek	5S	3W	4	SWSW
14-20-H62-4650	14-20-H62-3504	Ute Tribal	4-5	05-08	43-013-31306	2500 FNL & 550 FEL	Antelope Creek	5S	3W	5	SENE
14-20-H62-4650	14-20-H62-3507	Ute Tribal	4-8	08-12	43-013-31164	2100 FSL & 515 FWL	Antelope Creek	5S	3W	8	NWSW
14-20-H62-4650	14-20-H62-3508	Ute Tribal	4-9	09-15	43-013-31165	550 FSL & 2000 FEL	Antelope Creek	5S	3W	9	SWSE
14-20-H62-4650	14-20-H62-3503	Ute Tribal	4A-4	04-04	43-013-31574	1205 FNL & 660 FWL Lot # 5	Antelope Creek	5S	3W	4	NWNW
14-20-H62-4650	14-20-H62-3513	Ute Tribal	5-18 inj	18-09 inj	43-013-31180	2151 FSL & 667 FEL	Antelope Creek	5S	3W	18	NESE
14-20-H62-4650	14-20-H62-3518	Ute Tribal	5-29 E3	29-07	43-013-30939	1969 FNL & 2093 FEL	Antelope Creek	5S	3W	29	SWNE
14-20-H62-4650	14-20-H62-3509	Ute Tribal	5-4	04-05	43-013-31462	1969 FNL & 660 FWL Lot # 12	Antelope Creek	5S	3W	4	SWNW
14-20-H62-4650	14-20-H62-3507	Ute Tribal	5-8 inj	08-06 inj	43-013-31307	1550 FNL & 1550 FWL	Antelope Creek	5S	3W	8	SEnw
14-20-H62-4650	14-20-H62-3518	Ute Tribal	6-29	29-08A	43-013-31305	2600 FNL & 600 FEL	Antelope Creek	5S	3W	29	SENE
14-20-H62-4650	14-20-H62-3503	Ute Tribal	6-4	04-14	43-013-31100	660 FSL & 2000 FWL	Antelope Creek	5S	3W	4	SESW
14-20-H62-4650	14-20-H62-3503	Ute Tribal	6A-4	04-06	43-013-31526	2427 FNL & 2028 FWL Lot # 11	Antelope Creek	5S	3W	4	SEnw
14-20-H62-4650	14-20-H62-3518	Ute Tribal	7-18	18-07	43-013-31533	2236 FNL & 1855 FEL	Antelope Creek	5S	3W	18	SWNE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	7-29	29-08B	43-013-31339	2675 FNL & 725 FEL	Antelope Creek	5S	3W	29	NESE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	11-28	28-11	43-013-31575	2171 FSL & 2107 FWL	Antelope Creek	5S	3W	28	NESE
14-20-H62-4650	14-20-H62-3513	Ute Tribal	10-18	18-10	43-013-31595	1954 FSL & 1894 FEL	Antelope Creek	5S	3W	18	NWSE
14-20-H62-4650	14-20-H62-3517	Ute Tribal	13-28	28-13	43-013-31576	712 FSL & 553 FWL	Antelope Creek	5S	3W	28	SWSW
14-20-H62-4650	14-20-H62-3517	Ute Tribal	6-28	28-06	43-013-31594		Antelope Creek	5S	3W	28	SEnw
14-20-H62-4650	14-20-H62-3521	Ute Tribal	1A-32	32-01	43-013-31577	759 FNL & 502 FEL	Antelope Creek	5S	3W	32	NENE

# **PETROGLYPH** Operating Company, Inc.

6209 North Highway 61, Hutchinson, Kansas 67502 • P.O. Box 1839, Hutchinson, Kansas 67504-1839

January 26, 1996

John Carson  
United States EPA  
U.I.C. Program  
999 18th Street, Ste. 500  
Denver, CO 80202-2466

RE: Well Name Change for Wells in the Antelope Creek Field, Duchesne County, UT  
EPA Area Permit # UT2736-00000

Mr. Carson:

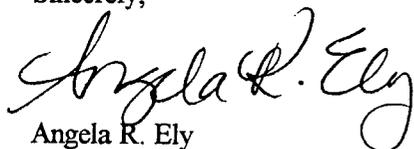
In an effort to bring all of the existing wells and wells to be drilled into a uniform numbering system, based on 40 acre locations and 16 wells per section, each well name will be changed to consist of its section location followed by the correct number of its well spot.

We are making this change effective January 1, 1996. Following is a list consisting of the "old" well names and the "new" well names of SWD, enhanced recovery and injection wells.

<u>NEW WELL NAME</u>	<u>OLD</u>	<u>LOCATION</u>	<u>PERMIT #</u>
Ute Tribal 04-07	2-4	SW NE Sec. 4-T5S-R3W	UT2497-03100
Ute Tribal 08-04	1-8	NW NW Sec. 8-T5S-R3W	UT2736-04201
Ute Tribal 08-06	5-8	SE NW Sec. 8-T5S-R3W	UT2736-04203
Ute Tribal 18-02	4-18	NW NE Sec. 18-T5S-R3W	UT2736-04202
Ute Tribal 18-09	5-18	NE SE Sec. 18-T5S-R3W	UT2736-04204
Ute Tribal 29-09	1-29	SE/4 Sec. 29-T5S-R3W	UT2736-04233
Ute Tribal 05-10	3-5 E3	SE/4 Sec. 5-T5S-R3W	UT2736-04234

If you have any questions regarding the enclosed information, please do not hesitate to contact me at (316) 665-8500.

Sincerely,



Angela R. Ely  
Administrative Operations Manager

ARE/ms

Enclosure

pc: Mr. Gil Hunt  
State of Utah Natural Resources  
Division of Oil, Gas & Mining