

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Ironwood Exploration Company

3. ADDRESS OF OPERATOR
 7069 So. Highland Drive, Suite 201, Salt Lake City, UT 84121

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 918' FSL & 2031' FEL
 At proposed prod. zone 872' 2221'
 Green River *SW 1/4 Sec 9*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles Southeast

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 918'

16. NO. OF ACRES IN LEASE
 480

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 0

19. PROPOSED DEPTH
 6500 *wasatch*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6370 Gr.

22. APPROX. DATE WORK WILL START*
 October 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8 5/8	24	300	To Surface
7 7/8	5 1/8	17	TD	As Required

RECEIVED
OCT 3 1983

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 R.D. Poulson *R. D. Poulson* TITLE Division Manager DATE Sept. 21, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

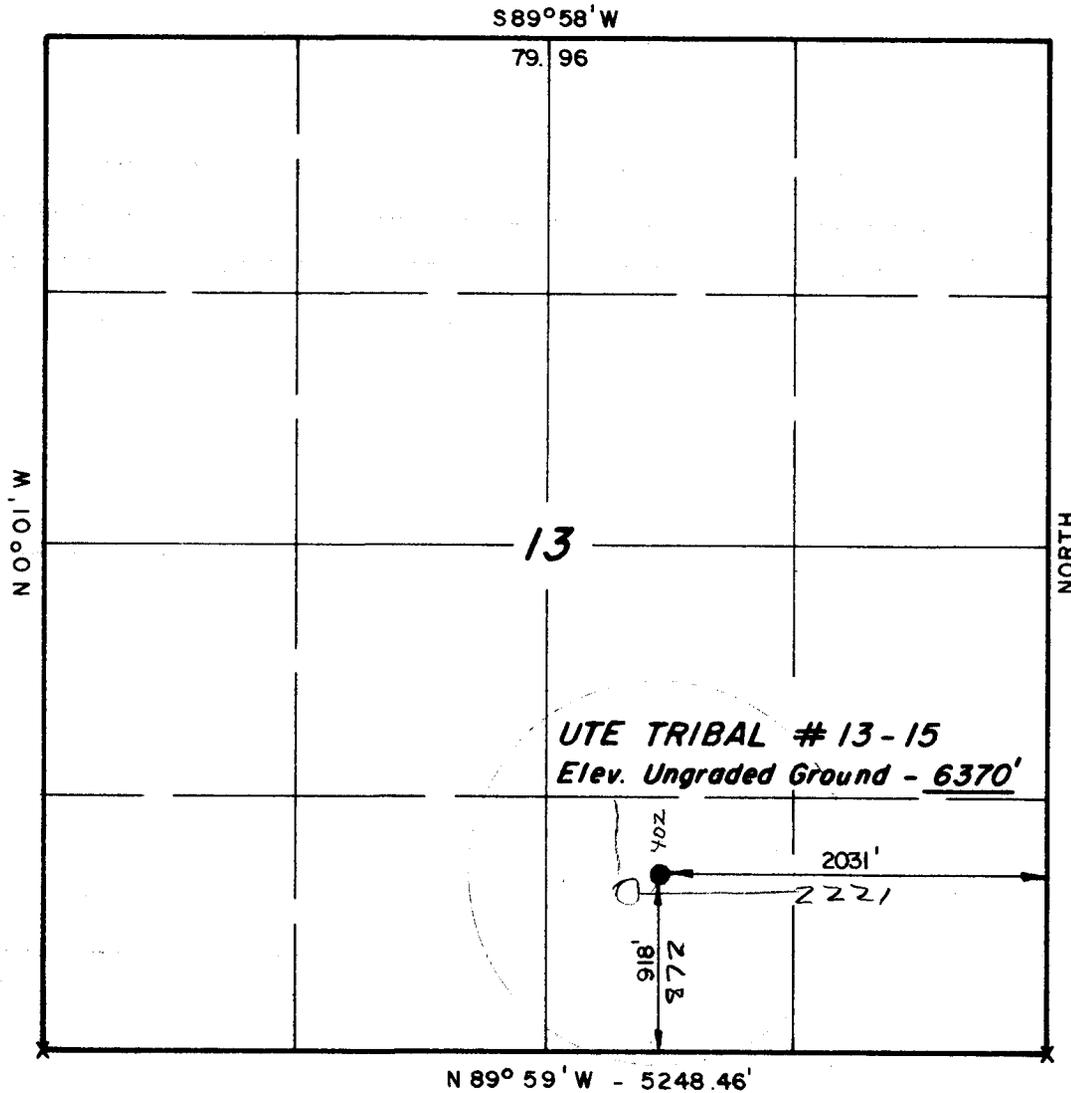
*10-11-
M
C-3-12*

T5S , R4W , U.S.B.&M.

PROJECT

IRONWOOD EXPLORATION

Well location, *UTE TRIBAL #13-15*,
located as shown in the SW 1/4 SE 1/4
Section 13 , T5S , R4W , U.S.B. & M.
Duchesne County , Utah.



X = Section Corners Located



CERTIFICATE

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

Robert J. ...
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	9/16/83
PARTY	GS RT RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	IRON WOOD

CAJ

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Ironwood Exploration Company, Inc.

3. ADDRESS OF OPERATOR
7069 So. Highland Drive, Suite 201, Salt Lake City, UT 84121

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 918' FSL & 203' FEL
At proposed prod. zone 222'
Green River

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 miles Southeast of Duchesne, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 918'

16. NO. OF ACRES IN LEASE 480

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 0

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7 7/8	5 1/8	17	TD	As Required

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 R.D. Poulson *Richard D Poulson* TITLE Division Manager DATE Sept. 21, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY *R.D. Poulson* TITLE *Dist Mgr* DATE 10/12/83

Oil & Gas Comm'n
Br of FLUIDS-SLC

5. LEASE DESIGNATION AND SERIAL NO.
B.I.A. 14-20-H62-3410

9. IF INDIAN ALLOTTEE OR TRUST NAME
RECEIVED

7. UNIT/ACREMENT NAME
OCT 3 1983

8. FARM OR LEASE NAME
Ute Tribal

9. WELL NO. DSD-MIN. RES.
13-15 BLM-SLC

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13 T5S, R4W

12. COUNTY OR PARISH | 13. STATE
Duchesne | Utah

Ironwood Exploration Company, Inc.
Well No. 13-15
Section 13, T5S, R4W
Duchesne County, Utah
TL 14-20-H62-3410

✓ Supplementary Stipulations

1. Pits will be lined.
2. Location will be left open for access through the location.
3. Production facilities will be placed on the southeast corner of the location.
4. In the absence of the Private Surface Owner/Operator Reclamation Agreement, the APD should be conditioned that the BLM, Vernal District, in cooperation with the BIA will provide reclamation requirements.
5. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Parachute Creek member of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers.

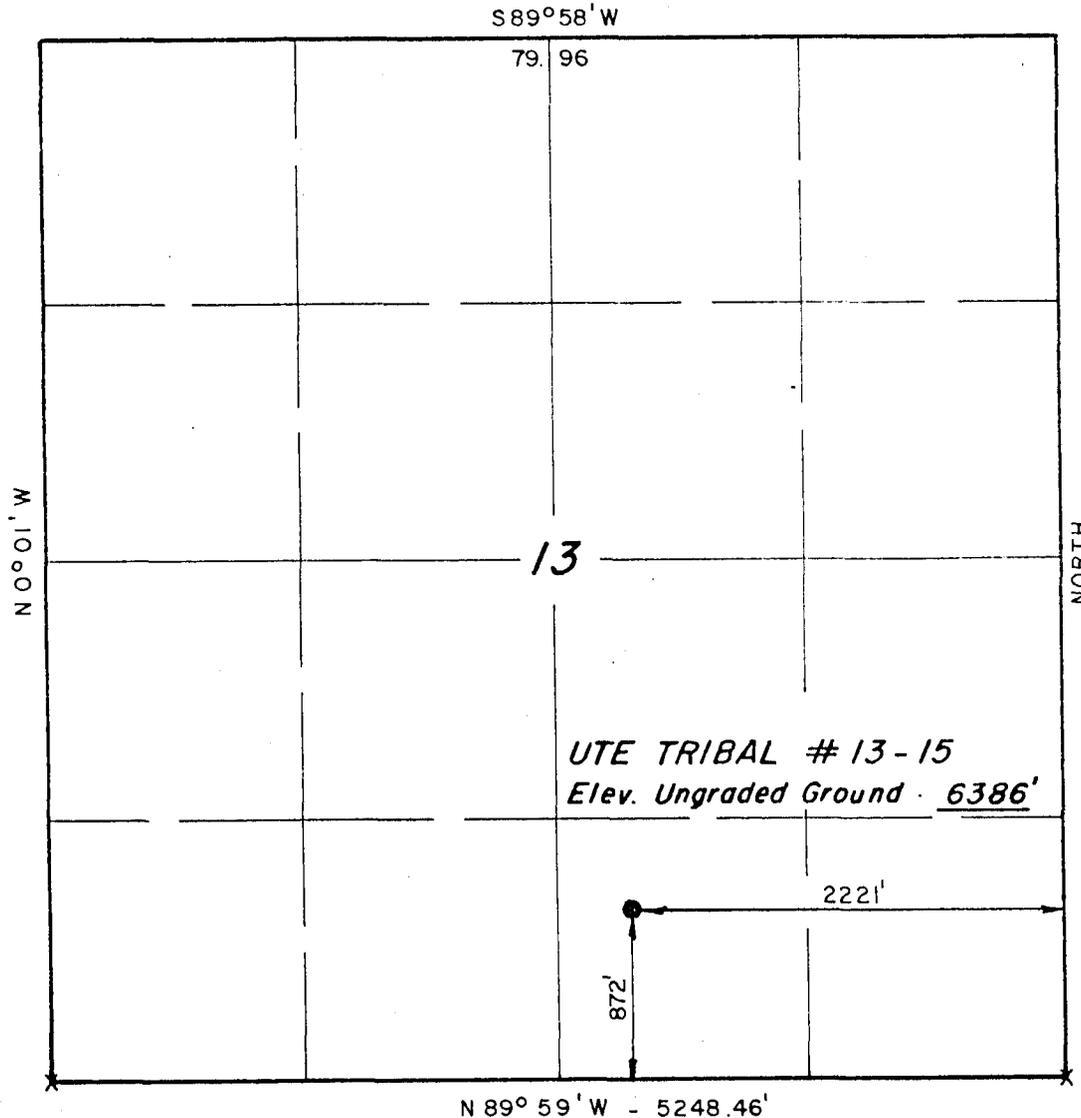
The few data for the area indicate that water in the Uinta formation and the alluvium in local stream channels is slightly to moderately saline. The water is used by stock. The deeper water in both the Uinta and Green River formations is more saline than the stock supply and should be prevented from leaking higher in the section. Nominal protection should be 200 to 500 feet of surface casing.

T5S , R4W , U.S.B.&M.

PROJECT

IRONWOOD EXPLORATION

Well location, UTE TRIBAL #13-15,
located as shown in the SW1/4 SE1/4
Section 13 , T5S , R4W , U.S.B. & M.
Duchesne County , Utah.



UTE TRIBAL #13-15
Elev. Ungraded Ground - 6386'



CERTIFICATE

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

Nelson J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	10/6/83
PARTY	GS RT RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	IRONWOOD

X = Section Corners Located

IRONWOOD EXPLORATION
10 Point Well Program
For
Well Location
Ute TRIBAL #13-15
Located In
Section 13, T5S, R4W, U.S.B.& M
Duchesne County, Utah

Ironwood Exploration Company
Ute Tribal #13-15
SW/SE Section 13, T5S, R4W
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	Surface
Green River	1294'
Wasatch	6202'

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

Green River formation
Wasatch formation

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'
5 1/2", J-55, 17#, STC; set at TD
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows: A 10" series 900 Hydril Bag type BOP and a 10" Double Ram hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operations will be checked daily (see exhibit A).

6. TYPE AND CHARACTERISTICS OF PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the Douglas Creek zone and with mud thereafter. The mud system will be a water based gelchemical, weighted to 10.0 ppg as necessary for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly lock, bit float and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a compensated Neutron-format density.

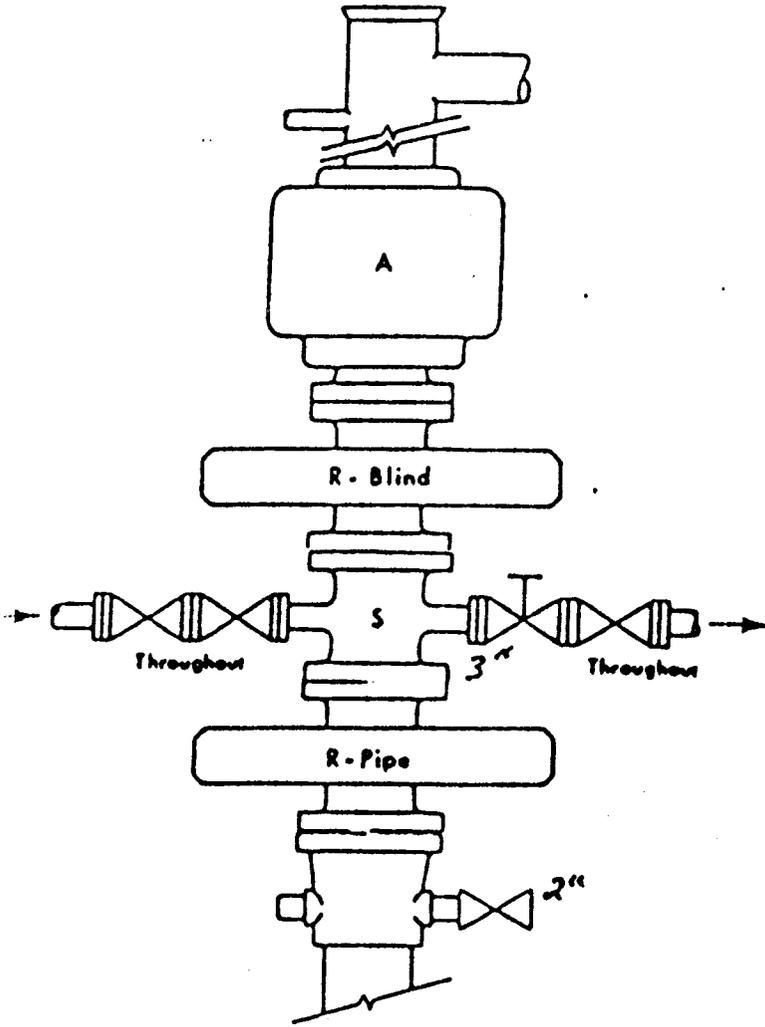
9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor any other abnormal hazards such as H₂S gas will be encountered in this area.

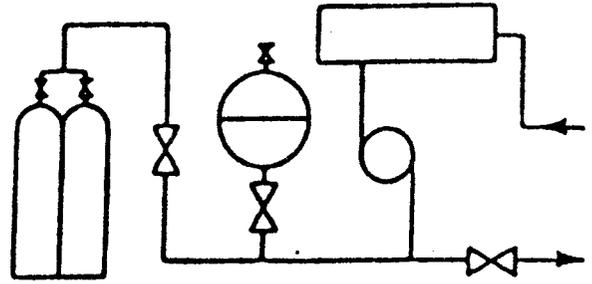
10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operation will commence approximately October 15, 1983.

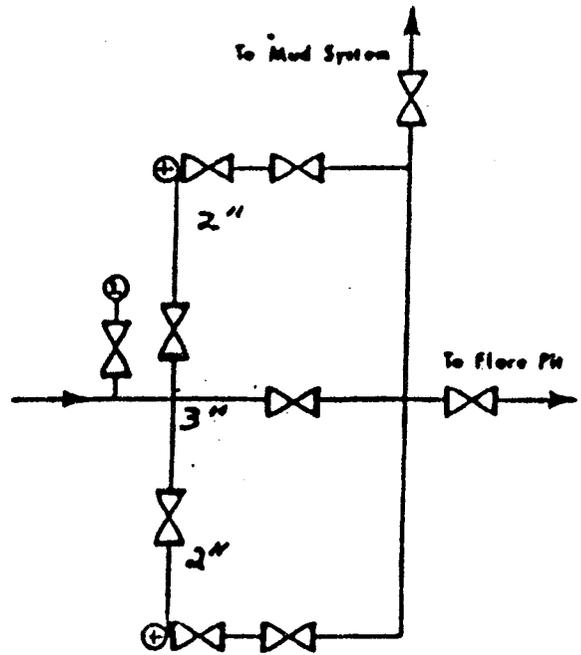
PRESSURE RATING
3,000 psi



BLOWOUT PREVENTION STACK



ACCUMULATOR SYSTEM



Flanged Connections Throughout

MANIFOLD SYSTEM

IRONWOOD EXPLORATION

13 Point Surface Use Plan

For

Well Location

Ute Tribal #13-15

Located In

Section 13, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

IRONWOOD EXPLORATION
Ute Tribal #13-15
Section 13, T5S, R4W, U.S.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach IRONWOOD EXPLORATION well location site Ute Tribal #13-15, located in the SW 1/4 SE 1/4 Section 13, T5S, R4W, U.S.B. & M., from Myton, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 + 8.6 miles to the Junction with an improved county road to the Southwest; proceed Southwesterly along this road 6.2 + miles to its junction with an existing County road which proceeds in a Southerly direction up Antelope Creek; proceed along this road 3.5 miles to its junction with a road to the Southwest; proceed in a Southwesterly direction along this road 1.3 miles to its junction with the proposed access road (to be discussed in item #2).

U.S. Highway 40 is a bituminous surface road from Myton to the beginning of the county road. This highway is maintained by state road crews. The county road described above is a dirt road that was constructed out of the materials accumulated during its construction. The county road is maintained by Duchesne County Forces.

There is no anticipated construction on any other of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling, completion, and production phases of this well.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing dirt road described in Item #1 in the NW 1/4 Section 24, T5S, R4W, U.S.B. & M., and proceeds in a Northeasterly direction approximately 0.6 miles to the proposed location site.

All construction, rehabilitation, and maintenance on these roads will meet the standards set forth in the surface operating standards for Oil & Gas Exploration & Development Manuel.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area. Maximum width of total disturbed area will not exceed 30'.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

All operators, subcontractors, vendors, and their employees or agents will be confined to established roads and well sites.

All trees four inches or larger in diameter shall be cut and bucked into four foot lengths and neatly staked adjacent to the access road or drill pad. All trees less than four inches in diameter will be cut and trampled by the heavy equipment.

Operators, subcontractors, vendors, and their employees or agents will not gather firewood without a duly granted wood permit.

There should be no additional fill materials required along this road. Water to be used during the construction of the road and drill pad and the drilling of the well will be purchased from irrigation rights in Antelope Creek.

All artifacts found on Tribal Lands shall be left in place and the B.I.A. promptly notified.

All surface and mineral rights belong to the Ute Tribe.

All trash, litter, construction materials, etc., will be kept off of the road way and drill pad. The operator will initiate procedures to keep the site free from litter and keep them groomed and in a neat and professional condition.

Weed control will be coordinated with the B.I.A. Range Conservationist or soil scientist.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are no known water wells, producing wells, abandoned wells, temporarily abandoned wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one-mile radius of this location site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

At the present time there are no known IRONWOOD EXPLORATION production facilities, tank batteries, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one-mile radius of this location site.

In the event that production is established at this location site, all production will be contained within the area of the proposed location site. It is not known at this time what future production facilities will be required at this well site. In the event production is established plans will be submitted to the proper authorities in detail stating the proposed containment and transportation of the produced fluids. Any area required for any future production facilities will be constructed using bull dozers, graders, and workman crews to construct and place the facilities.

If there are any deviations from the above paragraphs, then all appropriate agencies will be notified prior to construction and all necessary requests and applications will be made.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within 90 days after completion with the methods described in the rehabilitation section. Stockpiled topsoil will be used in reclaiming the unused areas.

All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match the standard environmental colors Rocky Mountain 5 State Interagency Committee. All facilities shall be painted within six months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.

Tank batteries will be placed on the Southeast corner of the location.

The location will be left open for access thru the location.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled by truck over the existing road described in Item #1 from Antelope Creek in Section 6, T5S, R3W, U.S.B. & M. approximately 5.5 miles by road Northeast of the proposed location site.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made to acquire the water from other sources and will be hauled by truck over portions of the roads that are described in Items #1 and #2.

The local governmental agencies and any other parties involved will be notified of any deviations and all governing guidelines and regulations will be strictly adhered to.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

The reserve pit will be lined with native clay.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well. No burning will be allowed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

All of the agencies shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, the top 6 to 10 inches of topsoil shall be stripped and stockpiled. (See Location Layout Sheet). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

The drainage re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

As mentioned in Item #7, the reserve pit will be completely fenced with a wire mesh fence and topped with at least one strand of barbed wire, and wired with overhead wire and flagging installed. If there is oil in the pits, it will be allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days. The operator or his contractor will notify the B.I.A. and Vernal District B.L.M. Diamond Mountain Resource Area 48 hours prior to beginning any work on Tribal land for restoration purposes.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the surface owner when the moisture content of the soil is adequate for germination. Prior to reseeding the ground will be scarified and left with a rough surface. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

The access road will be blocked to prevent any vehicle use.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "B").

The area is at the Southwest end of the Uintah Basin which is formed by the Book Cliff Mountains and the Green River to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shall deposits.

The majority of the smaller drainages are of a non-perennial nature with normal flow limited to the early spring run-off and heavy thunderstorms or rainstorms of high intensity that last over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation, (the Fluvial Sandstone and Mudstone) from the

Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti, on the upper benches with cottonwoods, beach, willows, Russian Olives, and grasses along the lower levels close to the wet areas and streams.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. The area is used by man for the primary purpose of grazing domestic livestock.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B")

Ute Tribal #13-15 sits near the top of a small ridge which separates Nutters Canyon from Antelope Canyon. The ground slopes through the location site to the Southeast at a 7.5% slope into the non-perennial drainage.

The immediate area around this location is vegetated by sagebrush and grasses, with sparse amounts of Juniper and Pinion Pine.

There are no occupied dwellings or other facilities of this nature in the general area.

All lands that will be damaged by this location site are on Ute Tribal lands.

It will be determined by a certified archeologist whether there are any archeological findings in the immediate area of this location site.

There are no historical, or cultural sites within any reasonable proximity of the proposed location site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Dick Poulson
IRONWOOD EXPLORATION
7069 South Highland Drive
Salt Lake City, UT 84121
1-801-943-2490

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the

IRONWOOD EXPLORATION
Ute Tribal #13-15
Section 13, T5S, R4W, U.S.B.& M.

work associated with the operation proposed herein will be performed by IRONWOOD EXPLORATION and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

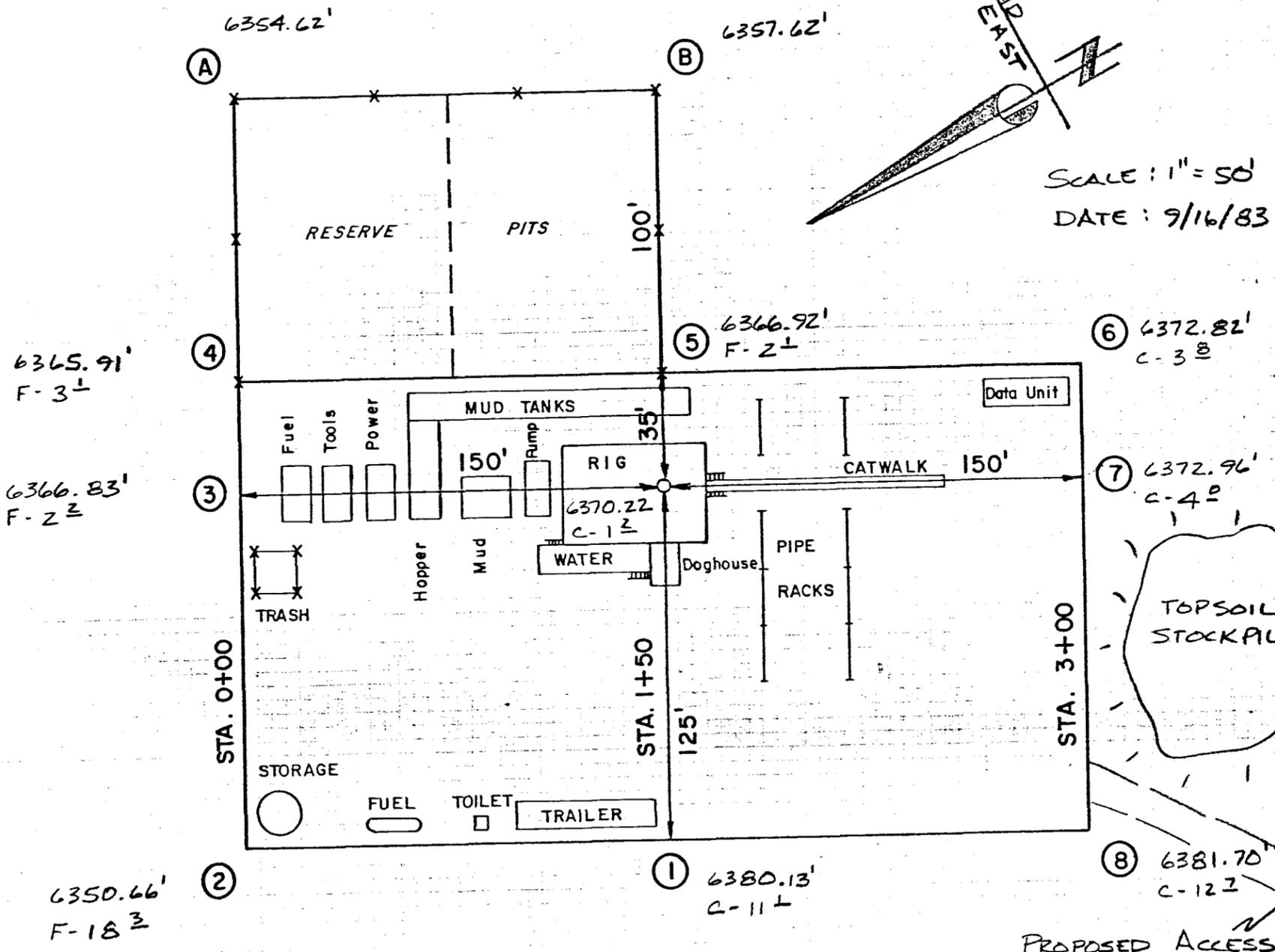
9/30/83
Date

Richard D. Poulson
Dick Poulson

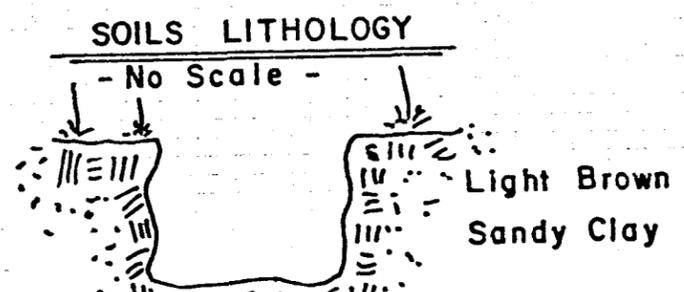
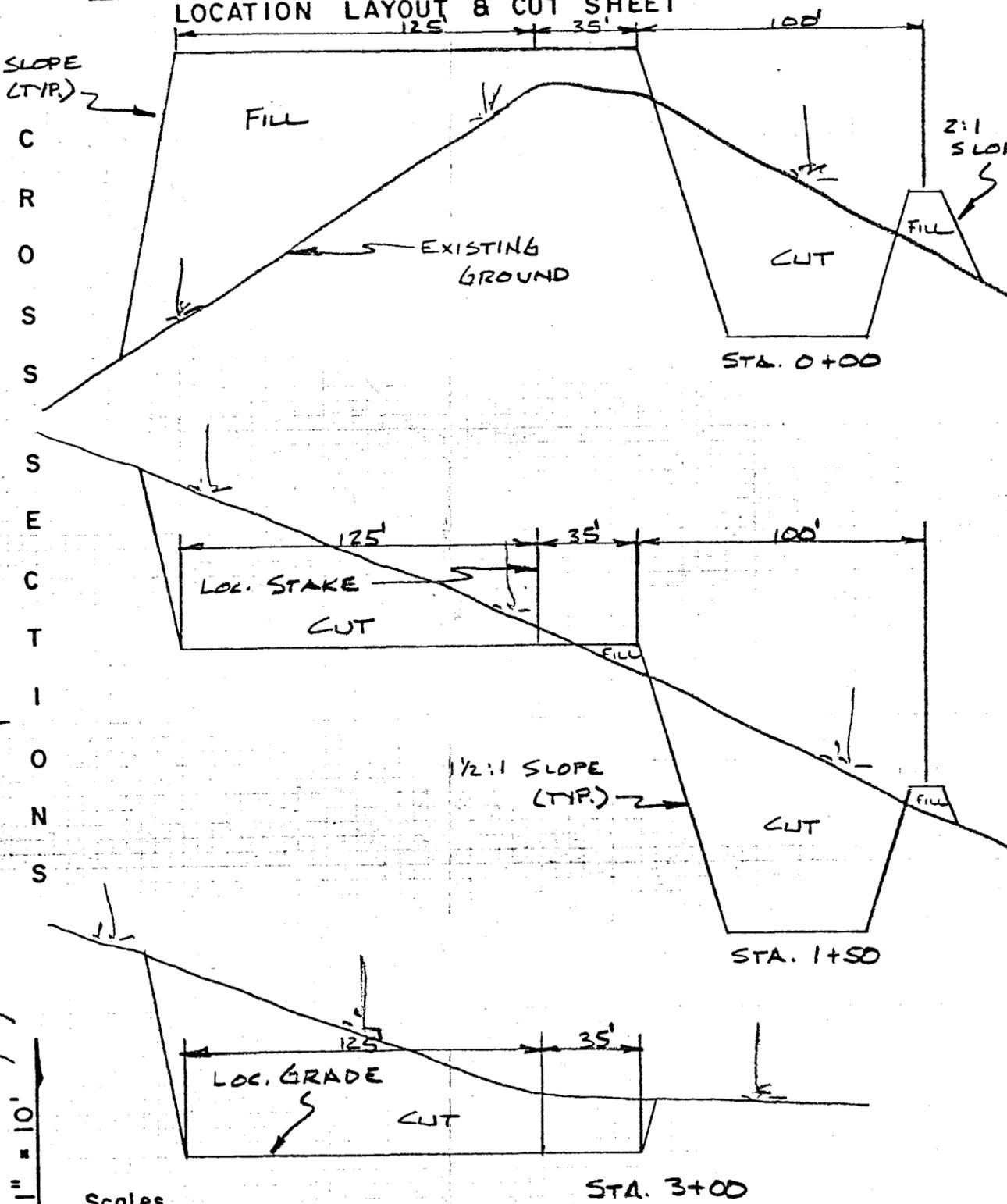
IRONWOOD EXPLORATION

UTE TRIBAL #13-15

LOCATION LAYOUT & CUT SHEET



CROSS SECTIONS



Scales

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 16,073

Cubic Yards Fill - 5,525

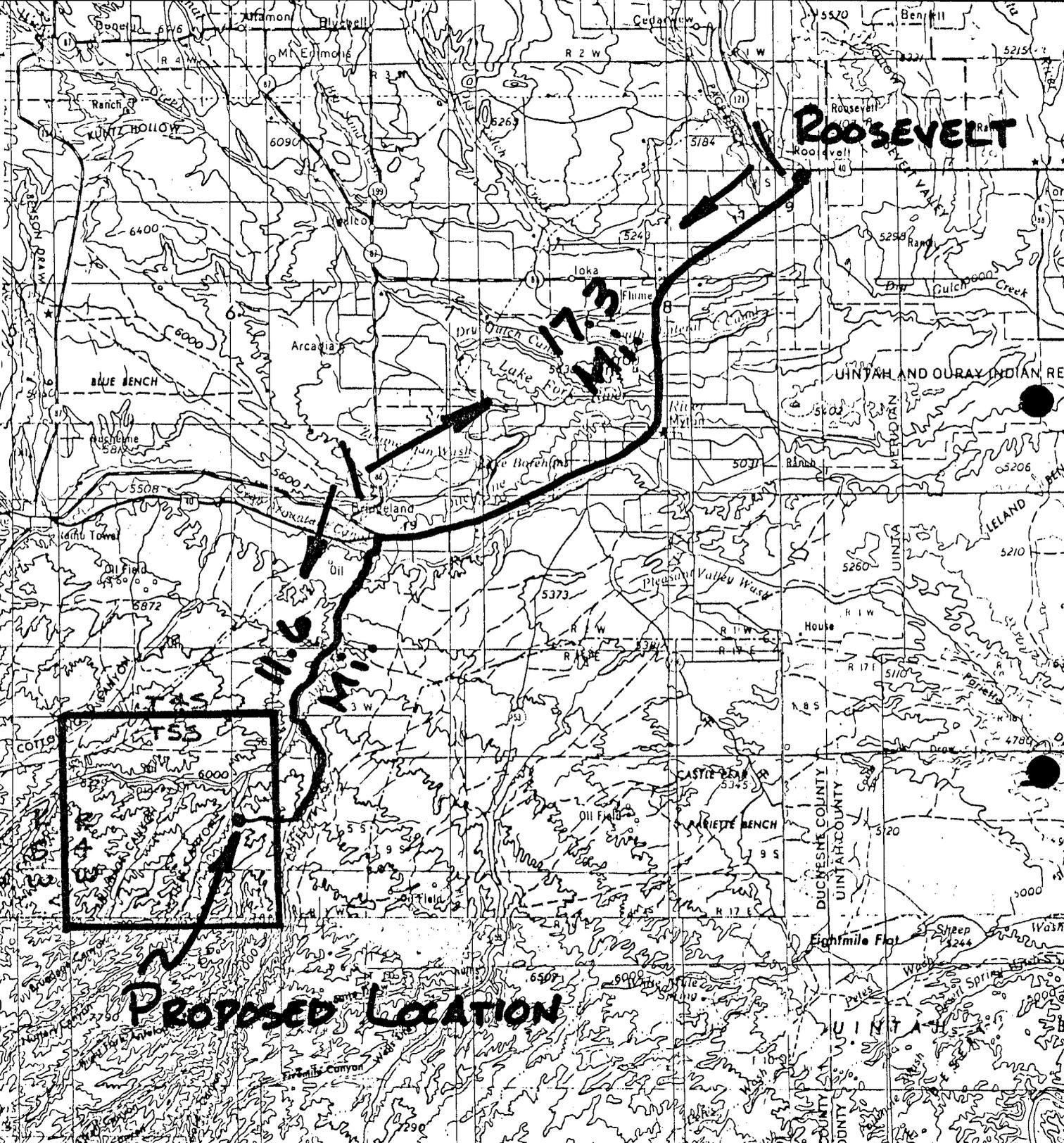
IRONWOOD EXPLORATION

UTE TRIBAL #13-15
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



ROOSEVELT

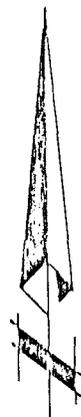
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PROPOSED LOCATION

IRONWOOD EXPLORATION

UTE TRIBAL #13-15 PROPOSED LOCATION

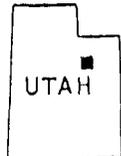
TOPO. MAP "B"



SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, Improved surface Unimproved road fair or dry weather

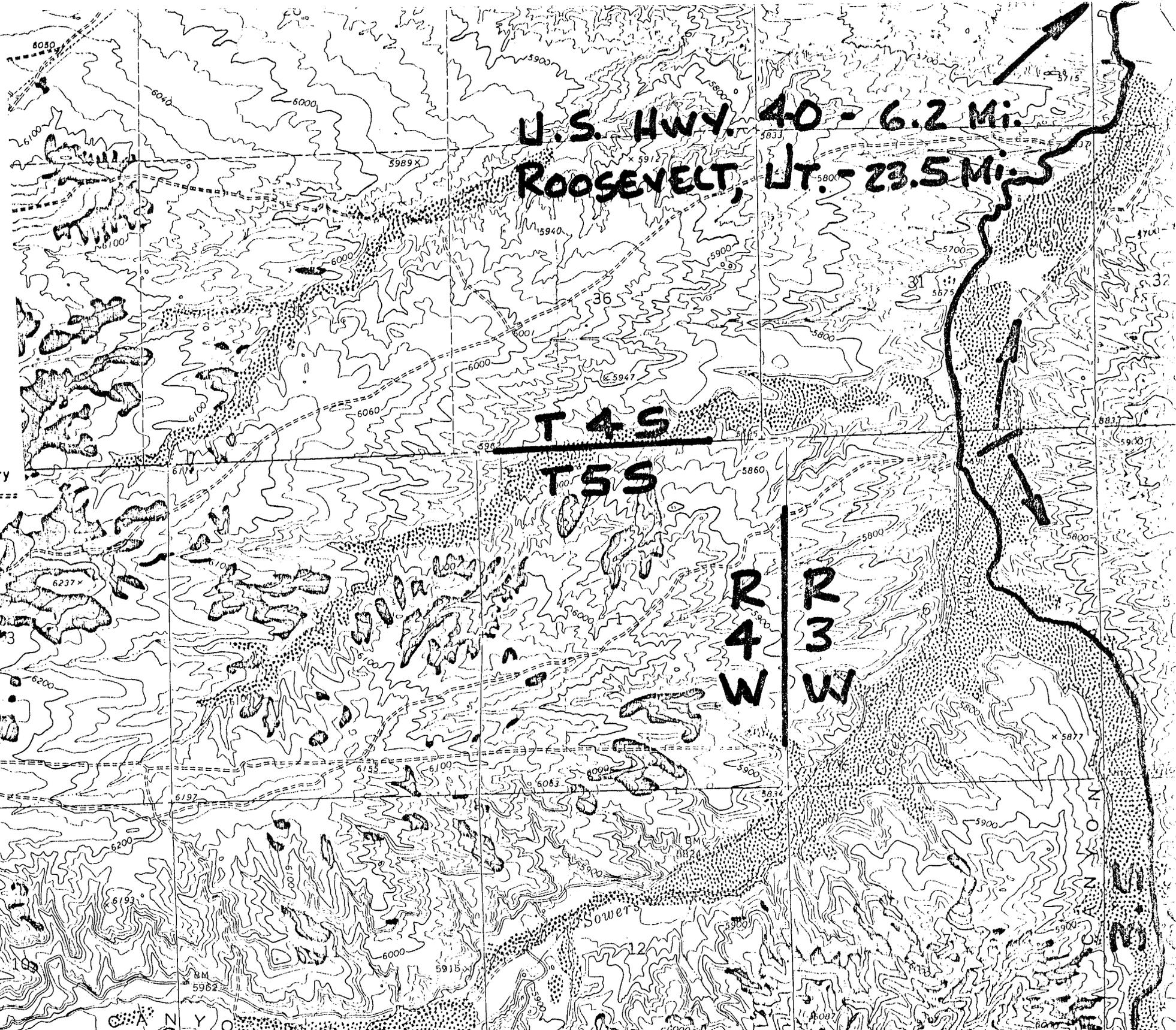


QUADRANGLE LOCATION

U.S. HWY. 40 - 6.2 Mi.
ROOSEVELT, UT. - 23.5 Mi.

T 4 S
T 5 S

R 4 W
R 3 W



CANYON

Sower

BM 5962

5915

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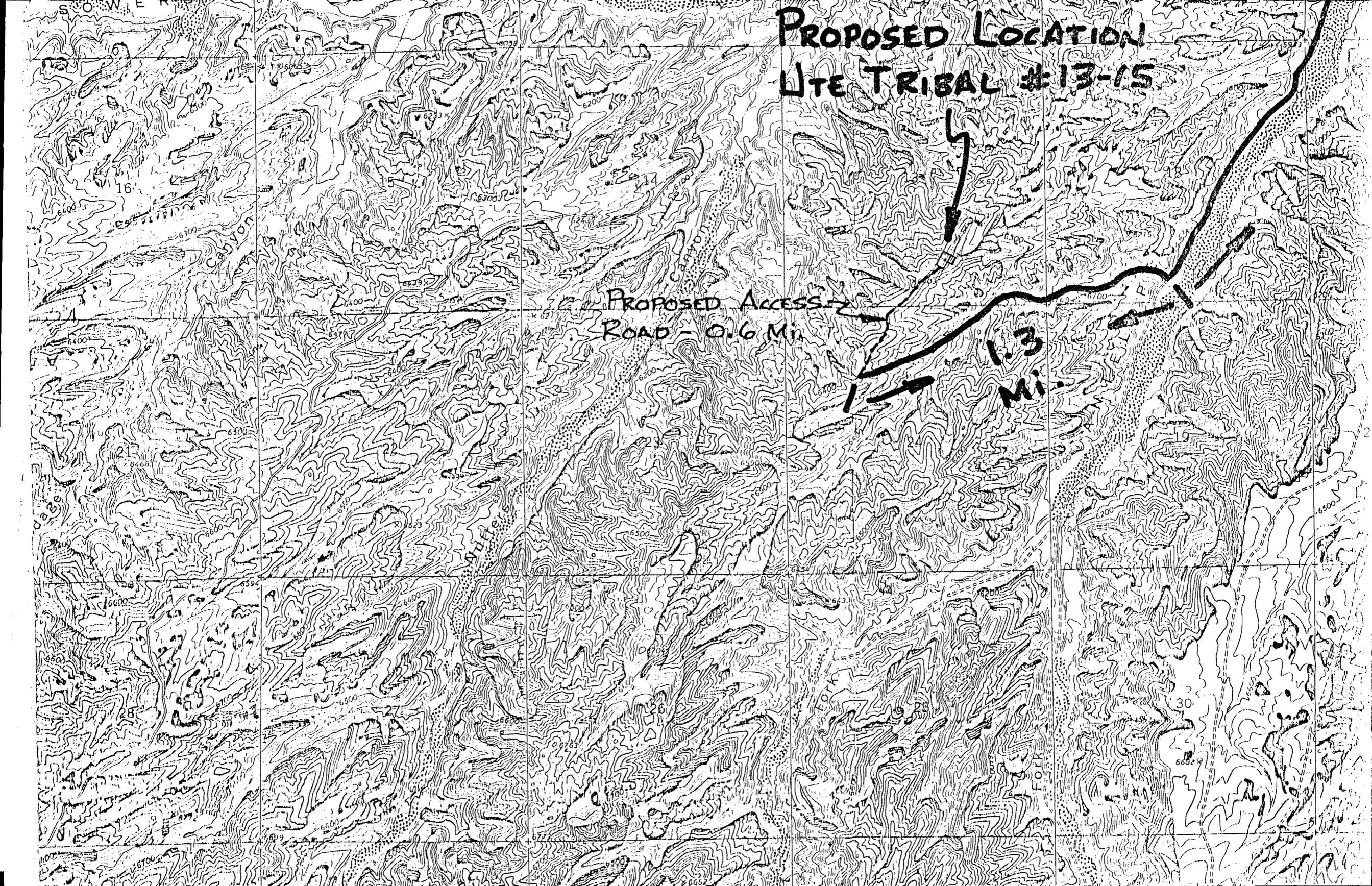
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331

PROPOSED LOCATION LTE TRIBAL #13-15

PROPOSED ACCESS
ROAD - 0.6 Mi

1.3
Mi



SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City
SERIAL NO.: BIA-14-20- H62-3410

and hereby designates

NAME: IRONWOOD EXPLORATION INC., a Texas Corporation
ADDRESS: 3003 LBJ Freeway, Suite 129, Dallas, Texas 75234

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

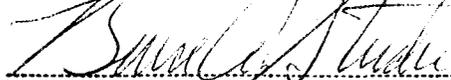
Township 5 South, Range 4 West
Section 13: N/2, SE/4
Duchesne County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

BURTON/HAWKS, INC.



Bruce A. Studer, Vice President
(Signature of lessee)

September 14, 1983

(Date)

P. O. Box 359, Casper, Wyoming 82602

(Address)

NELSON J. MARSHALL
Phone 789-0272

GENE STEWART
Phone 789-1795

LAWRENCE C. KAY
Phone 789-1125

Uintah Engineering & Land Surveying

P.O. BOX Q
VERNAL, UTAH 84078

OFFICE LOCATION
85 SOUTH 200 EAST

PHONE 789-1017

September 14, 1983

BUREAU OF LAND MANAGEMENT
Conservation Division
2000 Administration Building
Salt Lake City, Utah 84101

Dear Sirs:

As consultants for IRONWOODS EXPLORATION, INC. in accordance with NTL-6 Regulations, Uintah Engineering and Land Surveying respectfully request permission to survey three well locations. The wells will be located as follows:

- Ute Tribal #23-3 NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23, T5S, R4W, U.S.B. & M. B.I.A. 14-20-H62-3438
- Ute Tribal #24-12 NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 24, T5S, R4W, U.S.B. & M. B.I.A. 14-20-H62-3439
- Ute Tribal #13-15 SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 13, T5S, R4W, U.S.B. & M. B.I.A. 14-20-H62-3410

Existing roads will be used as much as possible in acquiring access to the locations.

The attached topographic map shows the location of the wells within the Sections.

Sincerely,



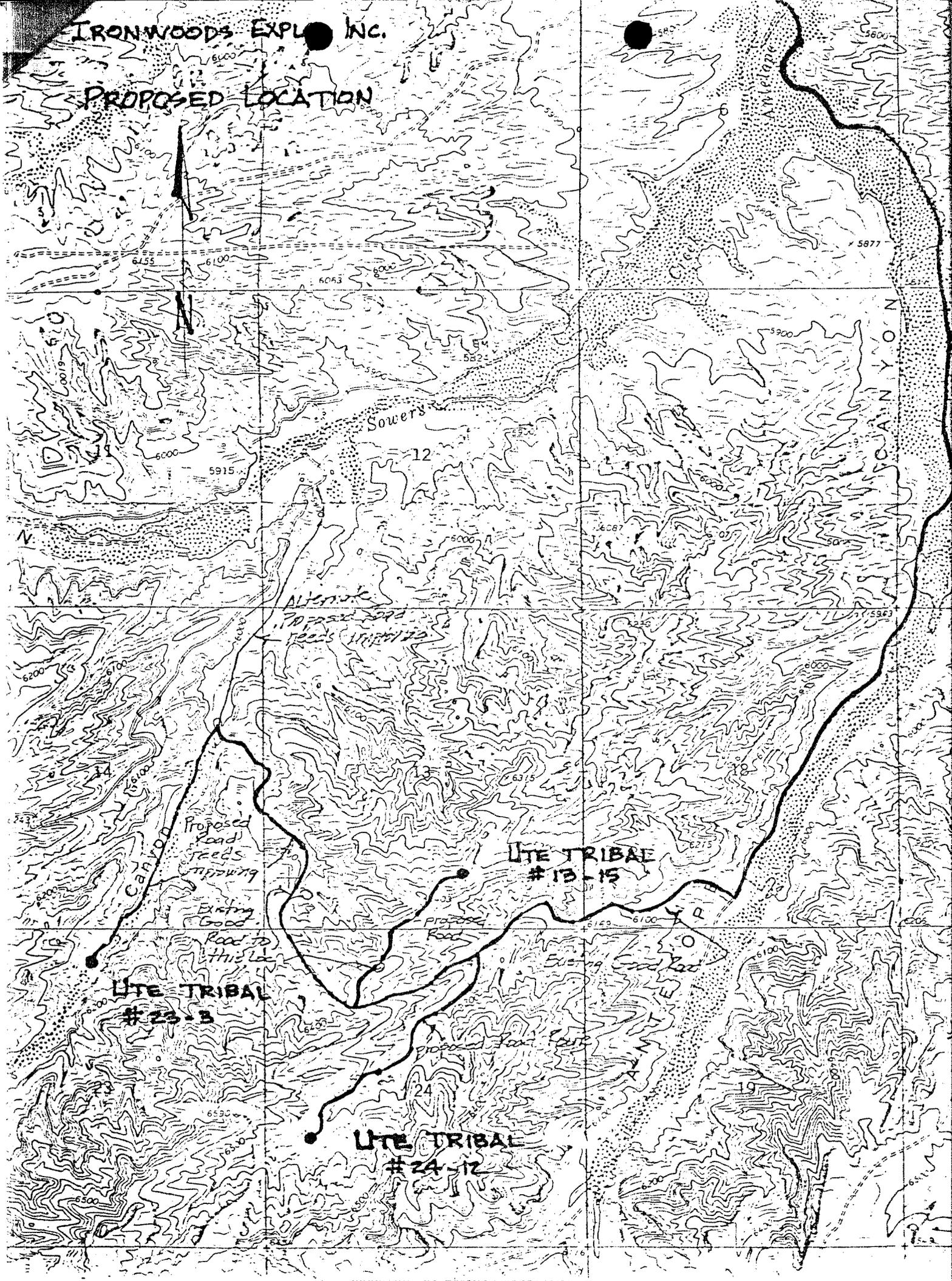
Brad Weber
Uintah Engineering & Land Surveying

BW/mc

cc: Project File
Ironwoods Exploration, Inc.
Ute Tribe-Ft. Duchesne
B.I.A. Fort Duchesne

IRONWOODS EXPL. INC.

PROPOSED LOCATION



NOTICE OF STAKING
(Not to be used in place of
Application to Drill Form 9-331-C)

HMOGA
5/5/82

5. Lease Number
14-20-H62-3410

1. Oil Well Gas Well Other

6. If Indian, Allottee or Tribe Name
Ute Tribal

2. Name of Operator

7. Unit Agreement Name

Ironwoods Exploration, Inc.

8. Farm or Lease Name
Ute Tribal

3. Address of Operator or Agent
7069 S. Highland Dr. Suite 201
Salt Lake City, Utah 84121 801-943-2490

9. Well No.

4. Surface Location of Well
(Governmental 1/4 or 1/4 1/4)

#13-15

SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 13, T5S, R4W, U.S.B. & M.

10. Field or Wildcat Name
Wildcat

Attach: Topographical or other acceptable map
showing location, access road, and lease boundaries.

11. Sec., T., R., M., or
Blk and Survey or Area
Sec. 13, T5S, R4W, U.S.B. & M.

14. Formation Objective(s)

15. Estimated Well Depth

Lower Green River

6500'

12. County or Parish

13. State

Duchesne

Utah

16. To Be Completed by Operator Prior to Onsite

- a. Location must staked
- b. Access Road Flagged
- c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills
(To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite

- a. H₂S Potential
- b. Private Surface Ownership
- c. Cultural Resources (Archaeology)
- d. Federal Right of Way

18. Additional Information

19. Signed

Brad Fisher

Title Agent

Date 9/14/83

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ARTICLES OF INCORPORATION
OF
IRONWOOD EXPLORATION, INC.

I, the undersigned natural person of the age of eighteen (18) years or more, acting as incorporator of a corporation under the Texas Business Corporation Act, do hereby adopt the following Articles of Incorporation for such Corporation.

ARTICLE I.

The name of the Corporation is IRONWOOD EXPLORATION, INC.

ARTICLE II.

The period of its duration is perpetual.

ARTICLE III.

The purposes for which the Corporation is organized are:

a. To purchase, manufacture, market, assemble, fabricate, produce, import, receive, lease as lessee or otherwise acquire, own, hold, store, use, repair, service, maintain, mortgage, pledge or otherwise encumber, sell, assign, lease as lessor, distribute, export, or otherwise dispose of and generally deal with and in as principal, agent or otherwise, goods, wares, merchandise and personal property of all kinds and descriptions.

b. To establish, maintain and conduct any sales, service or merchandising business in all its aspects for the purpose of selling, purchasing, licensing, renting, leasing, operating, franchising, and otherwise dealing with personal services, instruments, machines, appliances, inventions, trademarks, trade names, patents, privileges, processes, improvements, copyright and personal property of all kinds and descriptions.

c. To serve as manager, consultant, representative, agent or advisor for other persons, associations, corporations, partnerships and firms.

d. To purchase, take, receive, lease or otherwise acquire, own, hold, use improve and otherwise deal in and with, sell, convey, mortgage, pledge, lease, exchange, transfer and otherwise dispose of liens, real estate, real property, chattels real and estates, interests, and rights and equities of all kinds in lands; and to engage in the business of managing, supervising and operating real property, buildings and structures, to negotiate and consummate for itself or for others leases with respect to such properties, to enter into contracts and arrangements either as principal or as agent for the maintenance, repair and improvement of any property managed, supervised, or operated by the Corporation; to engage in and conduct or authorize, license and permit others to engage in and conduct any business or activity incident, necessary, advisable or advantageous to the ownership of property, buildings, and structures, managed, supervised or operated by the Corporation, all specifically subject to Part Four, Texas Miscellaneous Corporation Laws Act, Articles 1302-4.01 and 1302-4.05.

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e. To enter into or become an associate, member, shareholder, or partner in any firm, association, partnership (whether limited, general or otherwise), company, joint stock company, syndicate or corporation, domestic or foreign, formed or to be formed to accomplish any lawful purpose and to allow or cause the title to any estate, right or interest in any property (whether real, personal or mixed), owned, acquired, controlled, or operated by or in which the Corporation has any interest, to remain or be vested or registered in the name of or operated by any firm, association, partnership (whether limited, general, or otherwise), company, joint stock company, syndicate, or corporation, domestic or foreign, formed to accomplish any of the purposes enumerated herein.

f. To acquire the goodwill, rights, assets and property, and to undertake or assume the whole, or any part of, the obligations for liabilities of any person, firm, association or corporation.

g. To do all and everything necessary, suitable and proper for the accomplishment of any of the purposes, or the attainment of any of the powers hereinbefore set forth, either alone, or in association with other corporations, firms, partnerships and individuals and to do every other act or acts, thing or things incidental or pertinent to or growing out of or connected with the aforesaid business or powers or any part or parts thereof; provided, the same be not inconsistent with the laws under which this Corporation is organized.

h. To broker real estate, to buy and sell real estate, to hold title to real estate as a nominee for joint ventures, other partnerships, corporations, individuals, trust, or other entities, or a combination thereof, to sell securities, own and operate and/or manage real estate properties as a principal or broker.

i. To transact any business and to do and perform any and all acts and things authorized by Article 2.01 of the Texas Business Corporation Act, as amended, or which may be authorized in the future by amendment thereto.

ARTICLE IV.

Any action of the Corporation which, under the provisions of the Texas Business Corporation Act or any other applicable law, is required to be authorized or approved by the holders of two-thirds, or any other specified fraction which is in excess of one-half, or any specified percentage which is in excess of fifty percent of the outstanding shares of any class or series thereof of the Corporation shall, notwithstanding any law, be deemed effectively and properly authorized or approved if authorized or approved by the vote of the holders of more than fifty percent of the outstanding shares entitled to vote thereon or, if the holders of any class or series of the Corporation's shares shall be entitled by the Texas Business Corporation Act or any other applicable law to vote thereon separately as a class, by the vote of the holders of more than fifty percent of the outstanding shares of each such class or series. Without limiting the generality of the foregoing, the provisions of this Article IV shall be applicable to any required shareholder authorization or approval of:

a. Any amendment to the Articles of Incorporation or Bylaws of the Corporation.

b. Any plan of merger, consolidation or reorganization involving the Corporation.

- c. Any sale, lease, exchange or other disposition of all, or substantially all, the property and assets of the Corporation.
- d. Any voluntary dissolution of the Corporation.
- e. Any purchase by the Corporation of its own shares or other securities.
- f. Any distribution in partial liquidation which is paid out of the reduction surplus of the Corporation.

ARTICLE V.

Except as otherwise provided in Article IV or as otherwise required by the Texas Business Corporation Act or other applicable law, the vote of the holders of a majority of the Corporation's shares entitled to vote and represented in person or by proxy at any meeting of shareholders at which a quorum is present shall be the act of such meeting. Nothing contained in Article IV is intended to require shareholder authorization or approval of any action of the Corporation whatsoever unless such approval is specifically required by the other provisions of these Articles of Incorporation, the Bylaws of the Corporation, or by the Texas Business Corporation Act or other applicable law.

ARTICLE VI.

Except to the extent such power may be modified or divested by action of the shareholders representing a majority of the issued and outstanding shares of the Common Stock of the Corporation taken at a regular or special meeting of the shareholders, the power to adopt, alter, amend or repeal the Bylaws of the Corporation shall be vested in the Board of Directors. The Bylaws may contain any provisions for the regulation and management of the affairs of the Corporation not inconsistent with the law or these Articles.

ARTICLE VII.

Cumulative voting is expressly prohibited. At each election of directors every shareholder entitled to vote at such election shall have the right to vote, in person or by proxy, the number of shares owned by him for as many persons as there are directors to be elected and for whose election he has a right to vote; no shareholder shall be entitled to cumulate his votes by giving one candidate as many votes as the number of such directors multiplied by his shares shall equal, or by distributing such votes on the same principle among any number of such candidates.

ARTICLE VIII.

Pre-emptive rights are expressly denied to all shareholders and security holders of the Corporation. No holder of any stock of the Corporation shall be entitled as a matter of right to purchase or subscribe for any part of any stock of the Corporation authorized by these Articles or of any additional stock of any class to be issued by reason of any increase of the authorized stock of the Corporation or of any bonds, certificates of indebtedness, debentures, warrants, options or other securities convertible into any class of stock of the Corporation, but any stock authorized by these Articles or any such additional authorized issue of any stock or securities convertible into any stock may be issued and disposed of by the Board of Directors to such persons, firms, corporations or association for such consideration and upon such terms and in such

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manner as the Board of Directors may in its discretion determine without offering any thereof on the same terms or on any terms to the shareholders then of record or to any class of shareholders, provided only that such issuance may not be inconsistent with any provision of law or with any of the provisions of these Articles.

ARTICLE IX.

Any contract or other transaction between the Corporation and one or more of its directors, or between the Corporation and any firm of which one or more of its directors are members or employees, or in which they are interested, or between the Corporation and any corporation or association of which one or more of its directors are shareholders, members, directors, officers, or employees, or in which they are interested, shall be valid for all purposes, notwithstanding the presence of the director or directors at the meeting of the Board of Directors of the Corporation that acts upon, or in reference to, the contract or transaction, and notwithstanding his or their participation in the action, if the facts of such interest shall be disclosed or known to the Board of Directors and the Board of Directors shall, nevertheless, authorize or ratify the contract or transaction, the interested director or directors to be counted in determining whether a quorum is present and to be entitled to vote on such authorization or ratification. This Article shall not be construed to invalidate any contract or other transaction that would otherwise be valid under the common and statutory law applicable to it.

ARTICLE X.

The Corporation shall indemnify any person made a party to any action, suit or proceeding, whether civil or criminal, by reason of the fact that he, his testator, or intestate, is or was a director, officer, or employee of the Corporation, or of any Corporation which he served in such capacity at the request of the Corporation, against the reasonable expenses, including attorneys' fees, actually and reasonably incurred by him in connection with the defense of the action, suit, or proceeding or in connection with any appeal in it. This right of indemnification shall not apply to any action, suit, or proceeding under the Securities Act of 1933 except payment of expenses incurred in relation to matters as to which the director, officer, or employee shall be adjudged in the action, suit or proceeding to be liable for negligence or misconduct in the performance of duty to the Corporation or to the corporation of which he was director, officer or employee; or in relation to matters in any such action, suit or proceeding that are settled or compromised. The right to indemnification conferred by this Article shall not restrict the power of the Corporation to make any other type of indemnification permitted by law.

ARTICLE XI.

No person shall be liable to the Corporation for any loss or damage suffered by it on account of any action taken or omitted to be taken by him as a director, officer or employee of the Corporation in good faith, if, in the exercise of ordinary care, this person:

a. Relied upon financial statements of the Corporation represented to him to be correct by the President or the officer of the Corporation having charge of its books of account, or stated in a written report by an independent public or certified public accountant or firm of such accountants fairly to reflect the financial condition of the Corporation; or considered the assets to be of their book value; or

b. Relied upon the written opinion of an attorney for the Corporation.

ARTICLE XII.

The aggregate number of shares which the Corporation shall have authority to issue is ONE MILLION (1,000,000) shares of Common Stock of the par value of Ten Cents (\$.10) each.

ARTICLE XIII.

The Corporation will not commence business until it has received for the issuance of its shares consideration of the value of ONE THOUSAND DOLLARS (\$1,000.00), consisting of money, labor done, or property actually received.

ARTICLE XIV.

The post office address of its initial registered office and the name of its initial registered agent at such address are:

Registered Office - 4000 McEwen-South, Suite 201, Dallas, Texas 75234

Registered Agent - Curtis R. Swinson

ARTICLE XV.

The number of Directors constituting the initial Board of Directors is two (2), and the names and addresses of the persons who are to serve as Directors until their successors are elected and qualified are:

Arden A. Anderson
8866 Scenic Highway
Pensicola, Florida 32504

William H. Walton
3003 LBJ Freeway, Suite 129
Dallas, Texas 75234

ARTICLE XVI.

The name and address of the Incorporator is:

Curtis R. Swinson
4000 McEwen-South, Suite 201
Dallas, Texas 75234

IN WITNESS WHEREOF, I have hereunto set my hand on this the 23rd day of March, 1983.



Curtis R. Swinson

POOR COPY

THE STATE OF TEXAS)
)
COUNTY OF DALLAS)

This instrument was acknowledged before me on March 23, 1983, by
CURTIS R. SWINSON.

Kathleen M. Fuller
NOTARY PUBLIC
My Commission Expires: 10-09-85

Employer ID#
75-1867840

POOR COPY

Burton/Hawks
June 16/1976 1:32 pm
Form 5-5439 at pm
Book 44 MR, 435 Page 200
MARLINE A. DICK
Recorder, Duchesne County, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

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OIL AND GAS MINING LEASE—TRIBAL INDIAN LANDS

THIS INDENTURE OF LEASE, made and entered into in quintuplicate this 30th day of January, 1976 by and between The Ute Indian Tribe, a Federal Corporation chartered under the Act of June 18, 1934 (48 Stat. 964) and the Ute Distribution Corporation, a Utah Corporation of Fort Duchesne and Roosevelt, respectively, State of Utah 84026, for and on behalf of the Ute Tribe of Indians, lessor, and The Ute Distribution Corporation, designated herein as lessors, and BURTON/HAWKS, INC., P. O. Box 359 of Casper, State of Wyoming 82602, lessee:

WITNESSETH

1. Lessor, in consideration of a cash bonus of \$7,838.40, paid to the payee designated by the Area Director, receipt of which is hereby acknowledged and in consideration of rents and royalties to be paid, and the covenants to be observed as herein set forth, does hereby grant and lease to the lessee the exclusive right and privilege to drill for, mine, extract, remove, and dispose of all the oil and natural gas deposits including helium gas, carbon dioxide gas, and sulphur gas in or under the following-described tracts of land situated in the county of Duchesne, State of Utah, and more particularly described as follows:

Township 5 South, Range 4 West, Uinta Meridian, Utah
Section 13: N $\frac{1}{2}$, SE $\frac{1}{4}$

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containing 400.00 acres more or less, together with the right to construct and maintain thereupon all works, buildings, plants, waterways, roads, telegraph and telephone lines, pipe lines, reservoirs, tanks, pumping stations, or other structures necessary to the full enjoyment hereof for the term of 10 years from and after the approval hereof by the Secretary of the Interior and as much longer thereafter as oil and/or gas is produced in paying quantities from said land.

2. The term "oil and gas supervisor" as employed herein shall refer to such officer or officers as the Secretary of the Interior may designate to supervise oil and gas operations on Indian lands. The term "superintendent" as used herein shall refer to the superintendent or other official in charge of the Indian Agency having jurisdiction over the lands leased.

3. In consideration of the foregoing, the lessee hereby agrees:

(a) Bond.—To furnish such bond as may be required by the regulations of the Secretary of the Interior, with satisfactory surety, or United States bonds as surety therefor, conditioned upon compliance with the terms of this lease.

(b) Wells.—(1) To drill and produce all wells necessary to offset or protect the leased land from drainage by wells on adjoining lands or lands of the lessor leased at a lower royalty rate, or in lieu thereof, to compensate the lessor in full each month for the estimated loss of royalty through drainage: Provided, That during the period of supervision by the Secretary of the Interior, the necessity for offset wells shall be determined by the oil and gas supervisor and payment in lieu of

(1)

(a) The lessee has no right under this lease to drill for, mine, extract, remove, or dispose of the oil shale, native asphalt, tar sands, solid and semi-solid bitumen and bituminous rock (including oil impregnated rock or sands from which oil is recoverable only by special treatment after the deposit is mined or quarried) in or under the above described tract of land.

drilling and production shall be with the consent of, and in an amount determined by the Secretary of the Interior; (2) at the election of the lessee to drill and produce other wells: *Provided*, That the right to drill and produce such other wells shall be subject to any system of well spacing or production allotments authorized and approved under applicable law or regulations, approved by the Secretary of the Interior and affecting the field or area in which the leased lands are situated; and (3) if the lessee elects not to drill and produce such other wells for any period the Secretary of the Interior may, within 10 days after due notice in writing, either require the drilling and production of such wells to the number necessary, in his opinion, to insure reasonable diligence in the development and operation of the property, or may in lieu of such additional diligent drilling and production require the payment on and after the first anniversary date of this lease of not to exceed \$1 per acre per annum, which sum shall be in addition to any rental or royalty hereinafter specified.

(c) *Rental and royalty.*—To pay, beginning with the date of approval of the lease by the Secretary of the Interior or his duly authorized representative, a rental of \$1.25 per acre per annum in advance during the continuance hereof, the rental so paid for any one year to be credited on the royalty for that year, together with a royalty of 16% percent of the value or amount of all oil, gas, and/or natural gasoline, and/or all other hydrocarbon substances produced and saved from the land leased herein, save and except oil, and/or gas used by the lessee for development and operation purposes on said lease, which oil or gas shall be royalty free. During the period of supervision, "value" for the purposes hereof may, in the discretion of the Secretary, be calculated on the basis of the highest price paid or offered (whether calculated on the basis of short or actual volume) at the time of production for the major portion of the oil of the same gravity, and gas, and/or natural gasoline, and/or all other hydrocarbon substances produced and sold from the field where the leased lands are situated, and the actual volume of the marketable product less the content of foreign substances as determined by the oil and gas supervisor. The actual amount realized by the lessee from the sale of said products may, in the discretion of the Secretary, be deemed mere evidence of or conclusive evidence of such value. When paid in value, such royalties shall be due and payable monthly on the last day of the calendar month following the calendar month in which produced; when royalty on oil produced is paid in kind, such royalty oil shall be delivered in tanks provided by the lessee on the premises where produced without cost to the lessor unless otherwise agreed to by the parties thereto, at such time as may be required by the lessor: *Provided*, That the lessee shall not be required to hold such royalty oil in storage longer than 30 days after the end of the calendar month in which said oil is produced; *And provided further*, That the lessee shall be in no manner responsible or held liable for loss or destruction of such oil in storage caused by acts of God. All rental and royalty payments, except as provided in section 4 (c) shall be made by check or draft drawn on a solvent bank, open for the transaction of business on the day the check or draft is issued, to the payee designated by the Area Director. All such rental and royalty payments shall be mailed to the oil and gas supervisor for transmittal to the payee designated by the Area Director. It is understood that in determining the value for royalty purposes of products, such as natural gasoline, that are derived from treatment of gas, a reasonable allowance for the cost of manufacture shall be made, such allowance to be two-thirds of the value of the marketable product unless otherwise determined by the Secretary of the Interior on application of the lessee or on his own initiative, and that royalty will be computed on the value of gas or casinghead gas, or on the products thereof (such as residue gas, natural gasoline, propane, butane, etc.), whichever is the greater.

(d) *Monthly statements.*—To furnish to the oil and gas supervisor monthly statements in detail in such form as may be prescribed by the Secretary of the Interior, showing the amount, quality, and value of all oil, gas, natural gasoline, or other hydrocarbon substances produced and saved during the preceding calendar month as a basis upon which to compute, for the treasurer of said tribe or the superintendent, the royalty due the lessor. The leased premises and all wells, producing operations, improvements, machinery, and fixtures thereon and connected therewith and all books and accounts of the lessee shall be open at all times for the inspection of any duly authorized representative of the Secretary of the Interior.

(e) *Log of well.*—To keep a log in the form prescribed by the Secretary of the Interior of all the wells drilled by the lessee showing the strata and character of the formations passed through by the drill, which log or a copy thereof shall be furnished to the oil and gas supervisor.

(f) *Diligence, prevention of waste.*—To exercise reasonable diligence in drilling and operating wells for oil and gas on the lands covered hereby, while such products can be secured in paying quantities; to carry on all operations hereunder in a good and workmanlike manner in accordance with approved methods and practice, having due regard for the prevention of waste of oil or gas developed on the land, or the entrance of water through wells drilled by the lessee to the productive sands or oil or gas-bearing strata to the destruction or injury of the oil or gas deposits, the preservation and conservation of the property for future productive operations, and to the health and safety of workmen and employees; to plug securely all wells before abandoning the same and to effectually shut off all water from the oil or gas-bearing strata; not to drill any well within 200 feet of any house or barn now on the premises without the lessor's written consent; to carry out at the expense of the lessee all reasonable orders and requirements of the oil and gas supervisor relative to prevention of waste, and preservation of the property and the health and safety of workmen; to bury all pipe lines crossing tillable lands below plow depth unless other arrangements therefor are made with the superintendent; to pay the lessor all damages to crops, buildings, and other improvements of the lessor occasioned by the lessee's operations: *Provided*, That the lessee shall not be held responsible for delays or casualties occasioned by causes beyond the lessee's control.

(g) *Regulations.*—To abide by and conform to any and all regulations of the Secretary of the Interior now or hereafter in force relative to such leases, including 30 CFR 221: *Provided*, That no regulation hereafter approved shall effect a change in rate of royalty or annual rental herein specified without the written consent of the parties to this lease.

(h) *Assignment of lease.*—Not to assign this lease or any interest therein by an operating agreement or otherwise nor to sublet any portion of the leased premises before restrictions are removed, except with the approval of the Secretary of the Interior. If this lease is divided by the assignment of an entire interest in any part of it, each part shall be considered a separate lease under all the terms and conditions of the original lease.

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4. The lessor expressly reserves:

(a) **Disposition of surface.**—The right to lease, sell, or otherwise dispose of the surface of the lands embraced within this lease under existing law or laws hereafter enacted, such disposition to be subject at all times to the right of the lessee herein to the use of so much of said surface as is necessary in the extraction and removal of the oil and gas from the land herein described.

(b) **Use of gas.**—The right to use sufficient gas free of charge for any school or other buildings belonging to the tribe on said lands by making connection at its own expense with the well or wells thereon, the use of such gas to be at the lessor's risk at all times.

(c) **Royalty in kind.**—The right to elect on 30 days' written notice to take lessor's royalty in kind.

5. **Surrender and termination.**—The lessee shall have the right at any time during the term hereof to surrender and terminate this lease or any part thereof upon the payment of the sum of one dollar and all rentals, royalties, and other obligations due and payable to the lessor; and in the event restrictions have not been removed, upon a showing satisfactory to the Secretary of the Interior that full provision has been made for conservation and protection of the property and the proper abandonment of all wells drilled on the portion of the lease surrendered, the lease to continue in full force and effect as to the lands not so surrendered. If this lease has been recorded lessee shall file a recorded release with his application to the superintendent for termination of this lease.

6. **Cancellation and forfeiture.**—When, in the opinion of the Secretary of the Interior and the Tribal Council, there has been a violation of any of the terms and conditions of this lease, the Secretary of the Interior shall have the right at any time after 30 days' notice to the lessee, specifying the terms and conditions violated, and after a hearing, if the lessee shall so request within 30 days of receipt of notice, to declare this lease null and void, and the lessor shall then be entitled and authorized to take immediate possession of the land: *Provided*, That after restrictions are removed the lessor shall have and be entitled to any available remedy in law or equity for breach of this contract by the lessee.

7. **Removal of buildings, improvements, and equipment.**—Lessee shall be the owner of and shall have the right to remove from the leased premises, within 90 days after termination of this lease, any and all buildings, structures, casing, material, and/or equipment placed thereon for the purpose of development and operation hereunder, save and except casing in wells and other material, equipment, and structures necessary for the continued operation of wells producing or capable of being produced in paying quantities as determined by the Secretary of the Interior, on said leased land at the time of surrender of this lease or termination thereof; and except as otherwise provided herein, all casing in wells, material, structures, and equipment shall be and become the property of the lessor.

8. **Drilling and producing restrictions.**—It is covenanted and agreed that the Secretary of the Interior may impose restrictions as to time or times for the drilling of wells and as to the production from any well or wells drilled when in his judgment such action may be necessary or proper for the protection of the natural resources of the leased land and the interests of the Indian lessor, and in the exercise of his judgment the Secretary may take into consideration, among other things, Federal laws, State laws, or regulations by competent Federal or State authorities or lawful agreements among operators regulating either drilling or production, or both.

9. **Unit operation.**—The parties hereto agree to subscribe to and abide by any agreement for the cooperative or unit development of the field or area, affecting the leased lands, or any pool thereof, if and when collectively adopted by a majority operating interest therein and approved by the Secretary of the Interior, during the period of supervision.

10. **Conservation.**—The lessee in consideration of the rights herein granted agrees to abide by the provisions of any act of Congress, or any order or regulation prescribed pursuant thereto, relating to the conservation, production, or marketing of oil, gas, or other hydrocarbon substances.

11. **Heirs and successors in interest.**—It is further covenanted and agreed that each obligation hereunder shall extend to and be binding upon, and every benefit hereof shall inure to, the heirs, executors, administrators, successors of, or assigns of the respective parties hereto.

12. **No lease, assignment thereof, or interest therein, will be approved to any employee or employees of the United States Government whether connected with the Indian Service or otherwise and no employee of the Interior Department shall be permitted to acquire any interest in any mineral lease covering restricted Indian lands by ownership of stock in corporations having such leases or in any other manner.**

POOR COPY

SPECIAL CONDITIONS:

(1) No adjustment will be made of the bonus or annual rental because of a difference that may be found in the acreage as stated in the advertisement.

(2) The lessee must thoroughly clean all vehicles and equipment used so that no halogeton or other noxious or poisonous plants may be introduced or spread on Indian lands. Should an infestation of halogeton, or other noxious weeds be found on either a temporary or permanent base of operations, or along access roads or trails used and/or constructed or made thereto, it will be a requirement of those responsible for the infestation to provide control measures as directed by the Superintendent, Uintah and Ouray Agency. (Failure to comply with this stipulation may result in cancellation of existing leases or rejection of future applications.)

(3) If so required by the Commissioner or his authorized representative, the lessee shall condition under the direction of the Supervisor, U.S. Geological Survey, any wells drilled which do not produce oil or gas in paying quantities as determined by said Supervisor, but which are capable of producing water satisfactory for domestic, agricultural or livestock use by the lessor. Adjustments of costs for conditioning of the well will be made in said cases where it is determined that the well will produce water satisfactorily as aforesaid.

IN WITNESS WHEREOF, the said parties have hereunto subscribed their names and affixed their seals on the day and year first above mentioned:

Two witnesses to execution by lessor:

ATTEST: [Signature]
Secretary, Uintah and Ouray Tribal
PXXX Business Committee

ATTEST: [Signature]
Secretary, Board of Directors
P. O.

THE UTE INDIAN TRIBE

By: [Signature] [SEAL]
Chairman, Uintah and Ouray
Tribal Business Committee

THE UTE DISTRIBUTION CORPORATION
By: [Signature] [SEAL]
President, Board of Directors

Two witnesses to execution by lessee:

[Signature]
P. O. Box 359, Casper, Wyo. 82602

[Signature]
P. O. Box 359, Casper, Wyo. 82602

BURTON/HAWKS, INC.

By: [Signature] [SEAL]
Bill Hawks, President

Attest: [Signature]
Guy C. Burton, Jr. Asst. Secretary

ACKNOWLEDGMENT OF LESSOR

STATE OF WYOMING)
) ss.
COUNTY OF NATRONA)

POOR COPY

On this 30th day of January, 1976, before me personally appeared BILL HAWKS, to me personally known, who, being by me duly sworn, did say that he is the PRESIDENT of BURTON/HAWKS, INC., and that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said BILL HAWKS acknowledged said instrument to be the free act and deed of said corporation.

Witness my hand and seal this 30th day of January, 1976.

Joan E. Officer - Notary Public
County of Natrona State of Wyoming
My Commission Expires July 15, 1978

[Signature]
Notary Public

My commission expires:

Section significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102(2) (c) of the National Environmental Policy Act of 1969 (42 U.S.C. § 4332(2) (c)).

Date: APR 5 1976

[Signature]
Superintendent

Records Administration
Greater
FACT

APPROVED: Bureau of Indian Affairs, Uintah and Ouray Agency, under authority delegated to the Superintendent by Phoenix Area Office Redlegation Order No. 5, Sec. 2.17, (75 F.R. 11109)

APR 5 1976

Date

[Signature]
Superintendent

STATE OF UTAH)
COUNTY OF Uintah) SS.

I, Lionel C. Jensen, a Notary Public in and for said County and State, do hereby certify that Myron L. Accuttoroop to me personally known, and known to me to be the same person who executed the foregoing instrument as Vice Chairman, Uintah and Ouray Tribal Business Committee of THE UTE INDIAN TRIBE, a corporation, appeared before me this day in person and, being first duly sworn, acknowledged that he is the aforesaid official of said corporation, and the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed, sealed, and delivered in behalf of said corporation by authority of its Board of Directors, and further acknowledged said instrument and his execution thereof to be the free and voluntary act of said corporation, and his own free and voluntary act and deed for the uses, purposes and considerations therein expressed.

Given under my hand and official seal this 3rd day of February, 1976.

My Commission Expires:
28 August 1978

Lionel C. Jensen
Notary Public
Neola Utah

POOR COPY

STATE OF UTAH)
COUNTY OF Duchesne) SS.

I, Lionel C. Jensen, a Notary Public in and for said County and State, do hereby certify that Lena D. Sixkiller, to me personally known, and known to me to be the same person who executed the foregoing instrument as President, Board of Directors of the UTE DISTRIBUTION CORPORATION, a corporation, appeared before me this day in person and, being first duly sworn, acknowledged that she is the aforesaid official of said corporation, that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed, sealed, and delivered in behalf of said corporation by authority of its Board of Directors, and further acknowledged said instrument and her execution thereof to be the free and voluntary act and deed of said corporation, and her own free and voluntary act and deed for the uses, purposes and considerations therein expressed.

Given under my hand and official seal this 3rd day of February, 1976.

My Commission Expires:
28 August 1978

Lionel C. Jensen
Notary Public
Neola Utah

...provision to provide control measures
as directed by the Superintendent, Uintah and Ouray Agency. (Failure to comply with this stipulation may result in cancellation of existing leases or rejection of future applications.)

(3) If so required by...

OPERATOR IRONWOOD EXPLORATION CO

DATE 10-5-83

WELL NAME UTE TRIBAL 13-15

SEC SW SE 13 T 5 S R 4 W COUNTY DUCHESNE

43-013-30831
API NUMBER

INDIAN
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

WATERS OK

NO OIL WELLS WITHIN 1000'

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 10-11-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

10/12/83

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON FLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *F&D*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

c-3-b

c-3-c

[Faint, illegible text or stamp]

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

NELSON J. MARSHALL
Phone 789-0272

GENE STEWART
Phone 789-1795

LAWRENCE C. KAY
Phone 789-1125

Uintah Engineering & Land Surveying

P.O. BOX Q
VERNAL, UTAH 84078



OFFICE LOCATION
85 SOUTH 200 EAST

PHONE 789-1017

RECEIVED
OCT 7 1983

DIVISION OF
OIL, GAS & MINING

October 6, 1983

Utah State
Division of Oil & Mining
4241 State Office Building
Salt Lake City, Utah 84114

ATTN: Norman Stout

Dear Sir,

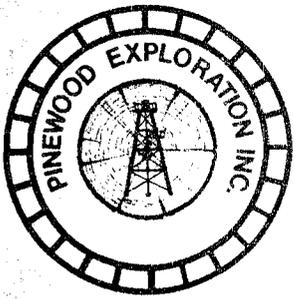
As consultants for Ironwood Exploration Company I wish to apply for a variance in spacing for well location Ute Tribe #13-15. The location is staked at 872' from the south line and 2221' from the East line and cannot be moved East or South because of an Archeological sight and severe terrain. Therefore we respectfully request permission to drill at the above location.

Sincerely,

Gene Stewart
Consultant

GS/tf

cc: Ironwood Petroleum
BLM Vernal office
Project File



September 23, 1983

STATE OF UTAH

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

Gentlemen:

This letter hereby authorizes Mr. Richard. D. Poulson to sign on the behalf of Ironwood Exploration, Inc. any documentations pertaining to filings required under your jurisdiction.

Very truly yours,
IRONWOOD EXPLORATION, INC.

William H. Walton
President

3003 LBJ Freeway, Suite 129

• Dallas, Texas 75234 •

(214) 484-8668

STATE OF TEXAS X

COUNTY OF DALLAS X

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared WILLIAM H. WALTON, President, known to me to be the person and officer whose name is subscribed to the foregoing instrument, acknowledged to me that the same was the act of the said IRONWOOD EXPLORATION, INC., a corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 23rd day of September, 1983.

Annette R. Alexander

Notary Public in and for the
State of Texas

My Commission Expires

December 10, 1985

DIAMOND SHAMROCK CORP, T. J. POULLT
SUITE 600 410 17 ST
DENVER CO 80202 06AM

Western
Union Mailgram



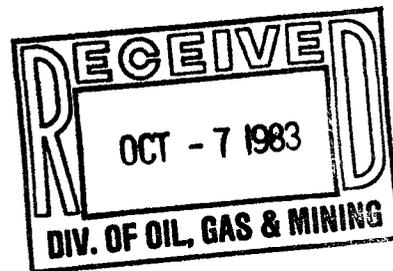
4-044744S279 10/06/83 ICS IPMTZZ CSP SLCB
3035750269 MGM TDMT DENVER CO 58 10-06 0421P EST

▶MR DICK POULSON
7069 SOUTH HIGHLAND DR SUITE 201
SALT LAKE CITY UT 84121

DIAMOND CHEMICALS COMPANY FORMERLY DIAMOND SHAMROCK CORPORATION AS
WORKING INTEREST OWNER AND OPERATOR OF THE UTE TRIBAL 1-13 IN THE
SW1/4 OF SECTION 13 HAS NO OBJECTION TO THE IRONWOOD EXPLORATION WELL
LOCATION OF 872 FSL 2,221 FEL SECTION 13 T5S-R4W DUCHESNE COUNTY
UTAH.

1624 EST

MGMCOMP MGM



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals)

1. oil well gas well other

2. NAME OF OPERATOR
Ironwood Exploration Company

3. ADDRESS OF OPERATOR Utah 84121
7069 S. Highland Dr., #201, Salt Lake City,

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Uinta Formation
AT TOP PROD. INTERVAL: Green River
AT TOTAL DEPTH: 6500

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
B.I.A. 14-20-H62-3410

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute Tribal

9. WELL NO.
13-15

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 872 S/L, 2221 E/L, SW/4, SE/4
Sec. 13 T5S, R4W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
Gr. 6386

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

(other) Request change of location and exception of change in location to 872 S/L, 2221 E/L, SW/4, SE/4.

17. 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.)*

1. Ironwood would like to make a request for change of location and exception to location spacing.
2. The location straddles a ridgetop and can only be moved in a NE or Westerly direction. Because of Geologic and Archaeological reasons the only direction possible is West.
3. Ironwood has ^{660'} correlative rights to all acreage in the drilling area with the exception of the West line, which we have been given written permission from Diamond Shamrock the owners of this acreage to the West, to move the location closer to them.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

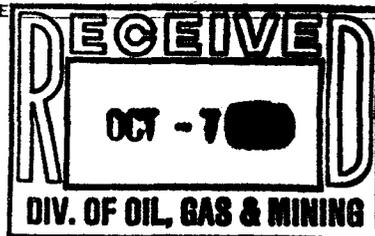
18. I hereby certify that the foregoing is true and correct

SIGNED Richard D. Pender TITLE Division Manager DATE October 7, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



October 11, 1983

Ironwood Exploration Company
7069 South Highland Drive, Suite 201
Salt Lake City, Utah 84121

RE: Well No. Ute Tribal 13-15
SWSE Sec. 13, T. 5S, R. 4W
872' PSL, 2221' PFL
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30831.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Bureau of Indian Affairs
Branch of Fluid Minerals
Encl.

3
15

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for well proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Ironwood Exploration Inc.

3. ADDRESS OF OPERATOR
7069 So. Highland Drive, SLC, UT. 84121

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 872 FSL 2221 FEL
AT TOP PROD. INTERVAL: NA
AT TOTAL DEPTH: approx. 900' FSL 2221 FEL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
BIA 14-20-H62-3410

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute Tribal

9. WELL NO.
13-15

10. FIELD OR WILDCAT NAME
Undesi

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13, T5S, R4W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.
43-013-30831

15. ELEVATIONS (SHOW DF, KDB, AND WD)

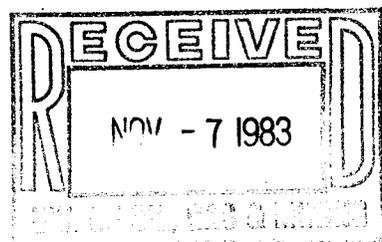
REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)*

Well was abandoned due to crooked hole conditions. A cement plug was set from ID 931' up into the surface casing 50'. The casing was filled with heavy mud up to 50' from the surface. A second cement plug was set from 50' to surface and a steel cap was welded and casing.

Well log filed to #13-15X



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED Richard D. Pender TITLE Exploration Manager DATE October 25, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

I authorized a rig skid to
2191 FEL, 872 FSL as per
telecom from Dirk Poulsen
Sat OCT 22, 1983. He
called to confirm plugging
compliance of the abandoned
hole upon OCT 24, 1983.

Paper work will follow:

A 1/2 A SUNDY FOR OLSIBLE
AND FOR NEW LOCATION



10-24-83

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER **RIG SKID** SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Ironwood Exploration Inc.

3. ADDRESS OF OPERATOR
 7069 So. Highland Drive, #201, Salt Lake City, Utah 84121

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 2191' FEL & 872' FSL
 At proposed prod. zone: Green River

5. LEASE DESIGNATION AND SERIAL NO.
 BIA 14-20-H62-3410

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Ute Tribal

9. WELL NO.
 13-15 X

10. FIELD AND POOL, OR WILDCAT
 Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 13, T5S, R4W

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 20 miles SE of Duchesne, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 872'

16. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 0

17. NO. OF ACRES IN LEASE TO THIS WELL
 480

18. NO. OF ACRES ASSIGNED TO THIS WELL
 40

19. PROPOSED DEPTH
 6500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6386 GL

22. APPROX. DATE WORK WILL START*
 October 1983

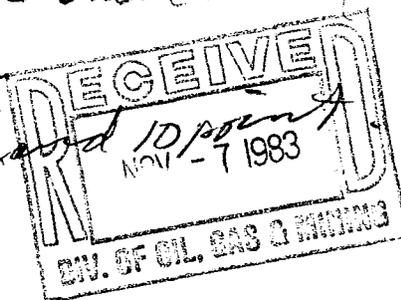
RESU

UNASHTX

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	400	To surface
7 7/8	5 1/8	15.5	TD	As required

*This is a Rig Skid of the Ute Tribal 13-15 (API NO 43-013-30831)
 Same drilling program
 See other file for plat and 10 point*



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 Richard D. Pender TITLE Division Manager DATE October 22, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*Verbal given 10-22-83
 M
 11-7-83*