

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **8-17-84**
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN **14-20-H62-3414**

DRILLING APPROVED: **8-28-84 - OIL**
 SPUDDED IN:
 COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:
 GRAVITY A.P.I.

GOR:
 PRODUCING ZONES:

TOTAL DEPTH:
 WELL ELEVATION:

DATE ABANDONED *VA. Application Rescinded 6-10-86*
 FIELD: **BRUNDAGE CANYON**

UNIT:
 COUNTY: **DUCHESNE**

WELL NO. **BRUNDAGE UTE TRIBAL #2-21** API #**43-013-30988**
 LOCATION **759' FNL** FT. FROM (N) (S) LINE. **1978' FEL** FT. FROM (E) (W) LINE. **NWNE** 1/4 - 1/4 SEC. **21**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
5S	4W	21	LOMAX EXPLORATION CO.				

RECEIVED

August 13, 1984

AUG 17 1984

DIVISION OF OIL
GAS & MINING

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Lomax Exploration Company
Brundage Ute Tribal #2-21
NW/NE Section 21, T5S, R4W
Duchesne County, Utah
APD/NTL-6 Transmittal

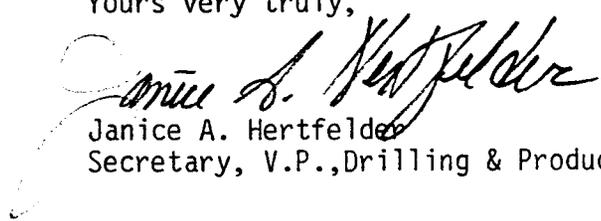
Gentlemen:

Please find enclosed the original and three (3) copies of the APD/NTL-6 Transmittal for the subject well.

It is requested that a copy of the approval be mailed to Lomax's Roosevelt office at P.O. Box 1446, Roosevelt, Utah 84066.

Please advise if further information is required.

Yours very truly,


Janice A. Hertfelder
Secretary, V.P., Drilling & Production

JAH/
Enclosures (4)

cc: State of Utah
Division of Oil & Gas
4241 State Office Building
Salt Lake City, Utah 84114

cc: Bureau of Indian Affairs
Realty Property Management Office
Uinta & Ouray Agency
Ft. Duchesne, Utah 84026

2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
Lomax Exploration Company

3. ADDRESS OF OPERATOR
P.O. Box 4503, Houston, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
759' ENL & 1978' FEL NW/NE
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 1/2 Miles SW of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 759'
16. NO. OF ACRES IN LEASE 640
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. 1830'
19. PROPOSED DEPTH 6000' *Wheeler*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6235' GR
22. APPROX. DATE WORK WILL START* 9/23/84

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	8 5/8"	24#	300'	To surface
7 7/8"	5 1/2"	17#	TD	As required

5. LEASE DESIGNATION AND SERIAL NO.
BIA-14-20-H62-3414

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Brundage Ute Tribal

9. WELL NO.
#2-21

10. FIELD AND POOL, OR WILDCAT
~~Undesignated~~ BRUNDAGE CANYON

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 21, T5S, R4W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

RECEIVED

AUG 17 1984

DIVISION OF OIL
GAS & MINING

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

DATE: 9/28/84
BY: John R. Bay

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: Paul Curley for G.L. Pruitt TITLE V.P., Drilling & Production DATE August 13, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

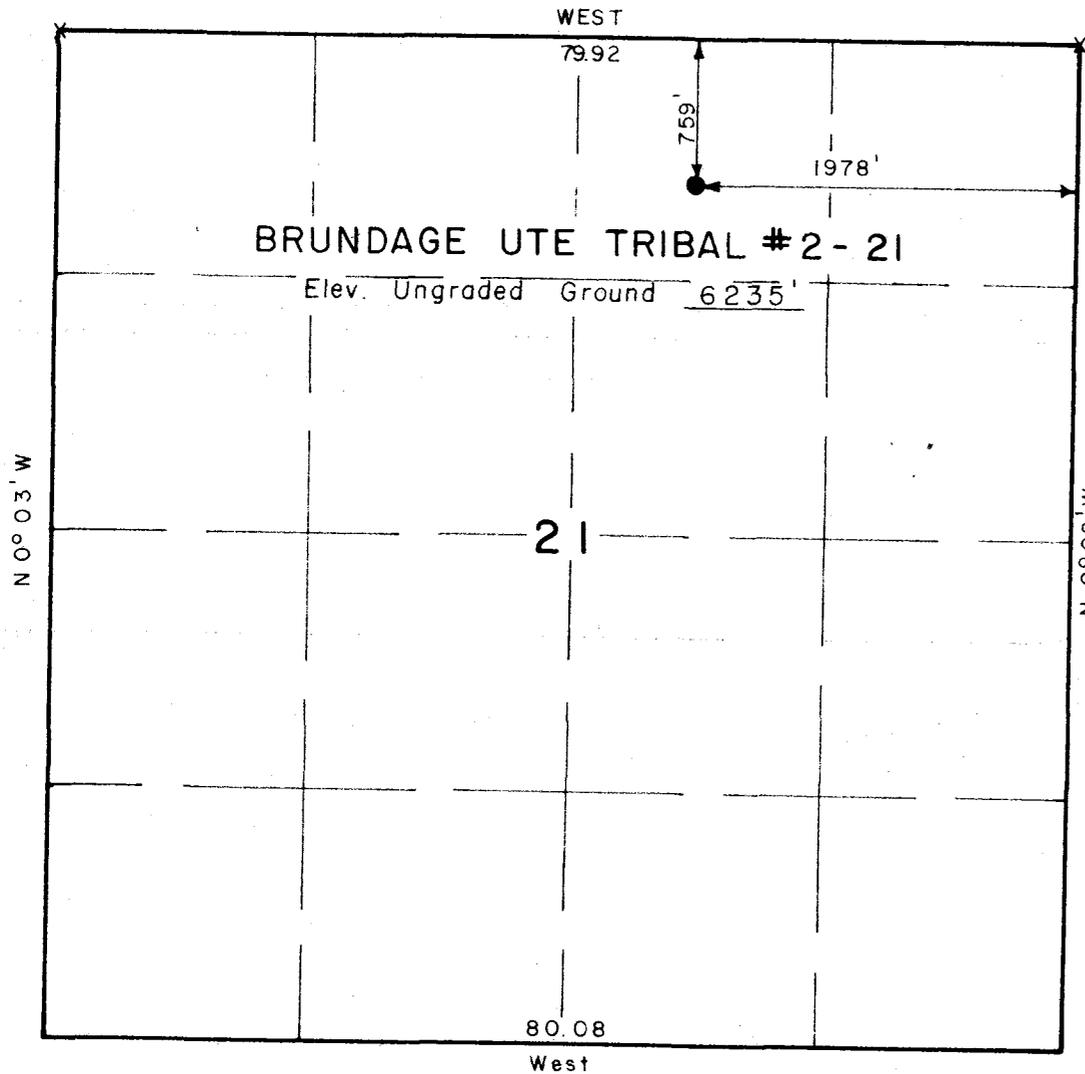
*See Instructions On Reverse Side

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

PROJECT

LOMAX EXPLORATION COMPANY

Well location, BRUNDAGE UTE TRIBAL #2-21 located as shown in the NW1/4 NE1/4 Section 21, T5S, R4W, U.S.B.&M. Dushesne County, Utah.



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.

Alan D. ...

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

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

X = Section Corners Located

SCALE	1" = 1000'	DATE	7 / 25 / 84
PARTY	DB LM GB	REFERENCES	GLO
WEATHER	HOT	FILE	LOMAX EXPLORATION CO

TEN POINT WELL PROGRAM

Brundage Ute Tribal #2-21
Section 21, 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	1000'
Wasatch	6000'

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

Green River	5000'-5500'	Oil
-------------	-------------	-----

4. PROPOSED CASING PROGRAM:

8 5/8", 24#, J-55, ST&C Casing; Set @ 300'

5 1/2", 17#, J-55 ST&C Casing; Set @ 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 operation will be checked daily. (See Exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be Kelly Cock, 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-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H_2S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately September 23, 1984.

LOMAX EXPLORATION CO.

13 Point Surface Use Plan

For

Well Location

B.C. Ute Tribal #2-21

Located In

Section 21, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

LOMAX EXPLORATION CO.
R.C. Ute Tribal #2-21
Section 21, T5S, R4W, U.S.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION CO. well location site B.C. Ute Tribal #8-21 located in the NW 1/4 NE 1/4 Section 21, T5S, R4W, S.L.B. & M., Duchesne County, 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 10.0 + miles to its junction with an unimproved dirt road to the Southwest; proceed Southwesterly along this road + 1.6 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 county road described in Item #1 in the SE 1/4 SE 1/4 Section 16, T5S, R4W, S.L.B. & M., and proceeds in a Southwesterly direction approximately 0.4 miles to the proposed location site.

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 meteorological conditions that are prevalent to this area.

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.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are 4 producing wells within a 1-mile radius of this location site. There are no known water 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 four existing Lomax Exploration Co wells with production facilities and tank batteries 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.

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 the Duchesne River near near Bridgeland, Utah, approximately 12.0 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 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 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 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.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

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.

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 locations 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.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

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, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). 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.

Any drainages 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 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.

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. 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.

11. OTHER INFORMATION

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

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 shale 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".

LOMAX EXPLORATION CO.
B.C. Ute Tribal #2-21
Section 21, T5S, R4W, U.S.B. & M.

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 Quarternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sand 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, pronghorn antelope, 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")

B.C. Ute Tribal #2-21 sits in the bottom of Brundage Canyon. The ground slopes through this location site at a 0.7% slope to the Northwest down Brundage Canyon, which drains to the Northeast into Sower Creek, which drains to the Northeast into the Duchesne River.

The immediate area around this location is vegetated by sagebrush and grasses, with sparce 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

Jack Pruitt
Lomax Exploration Co.
P.O. Box 4503
Houston, TX 77210-4503
1-713-931-9276

LOMAX EXPLORATION CO.
B.C. Ute Tribal #2-21
Section 21, T5S, R4W, U.S.B. & M.

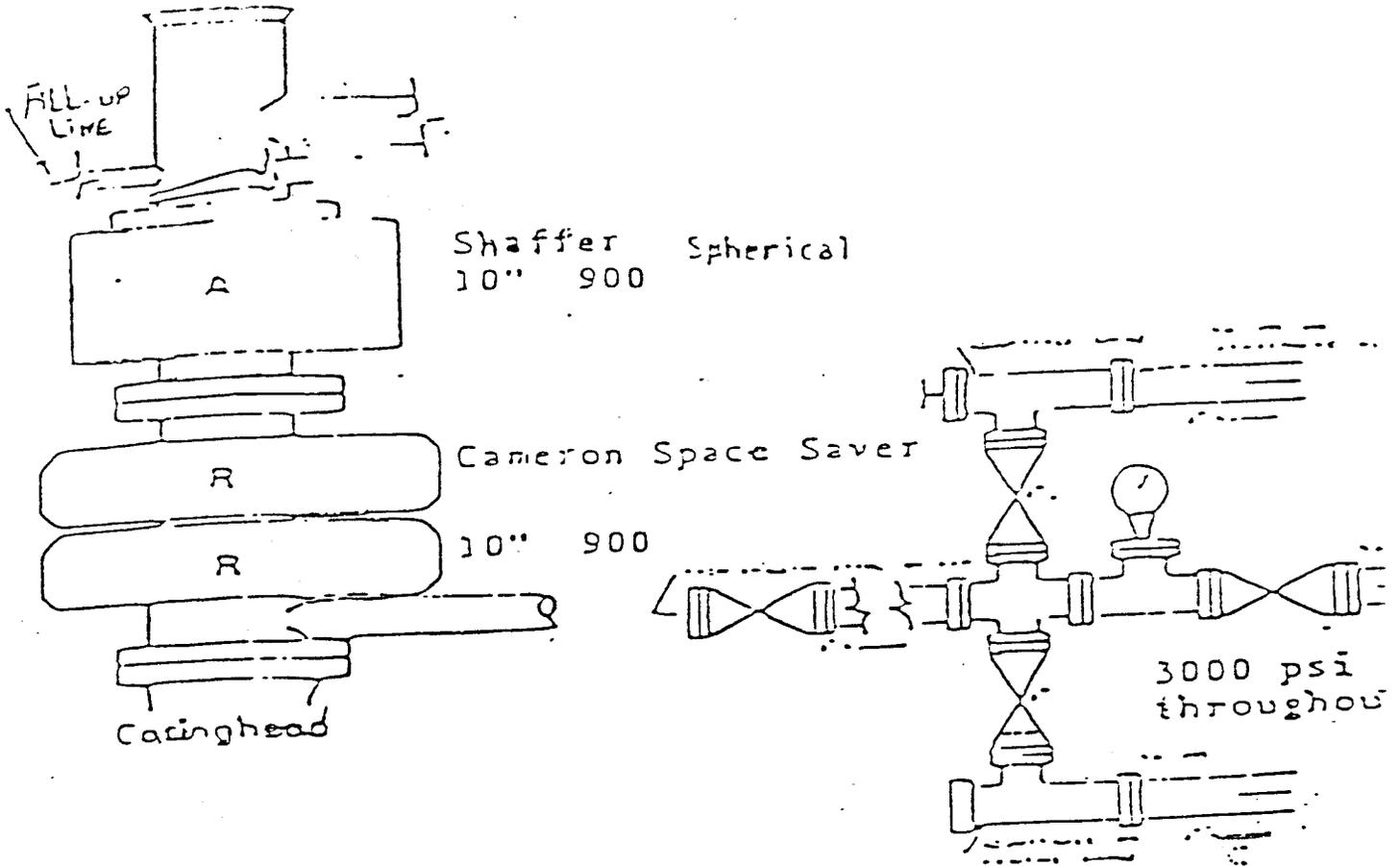
13. CERTIFICATION

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

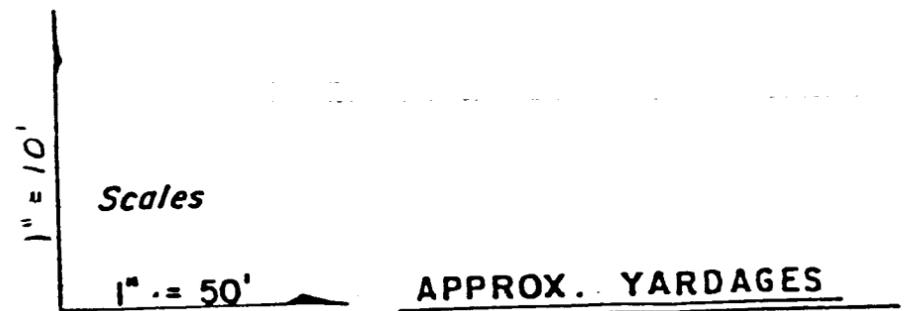
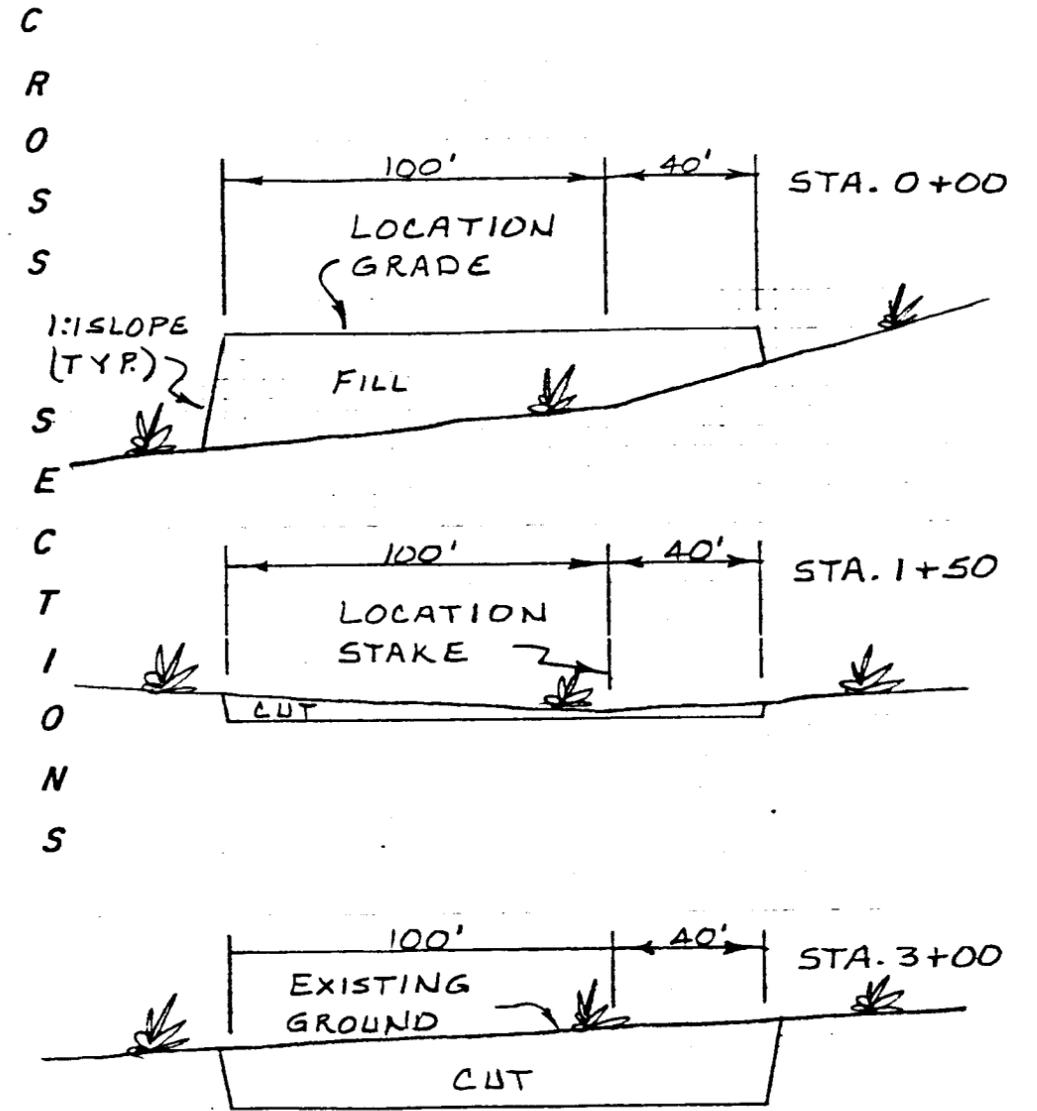
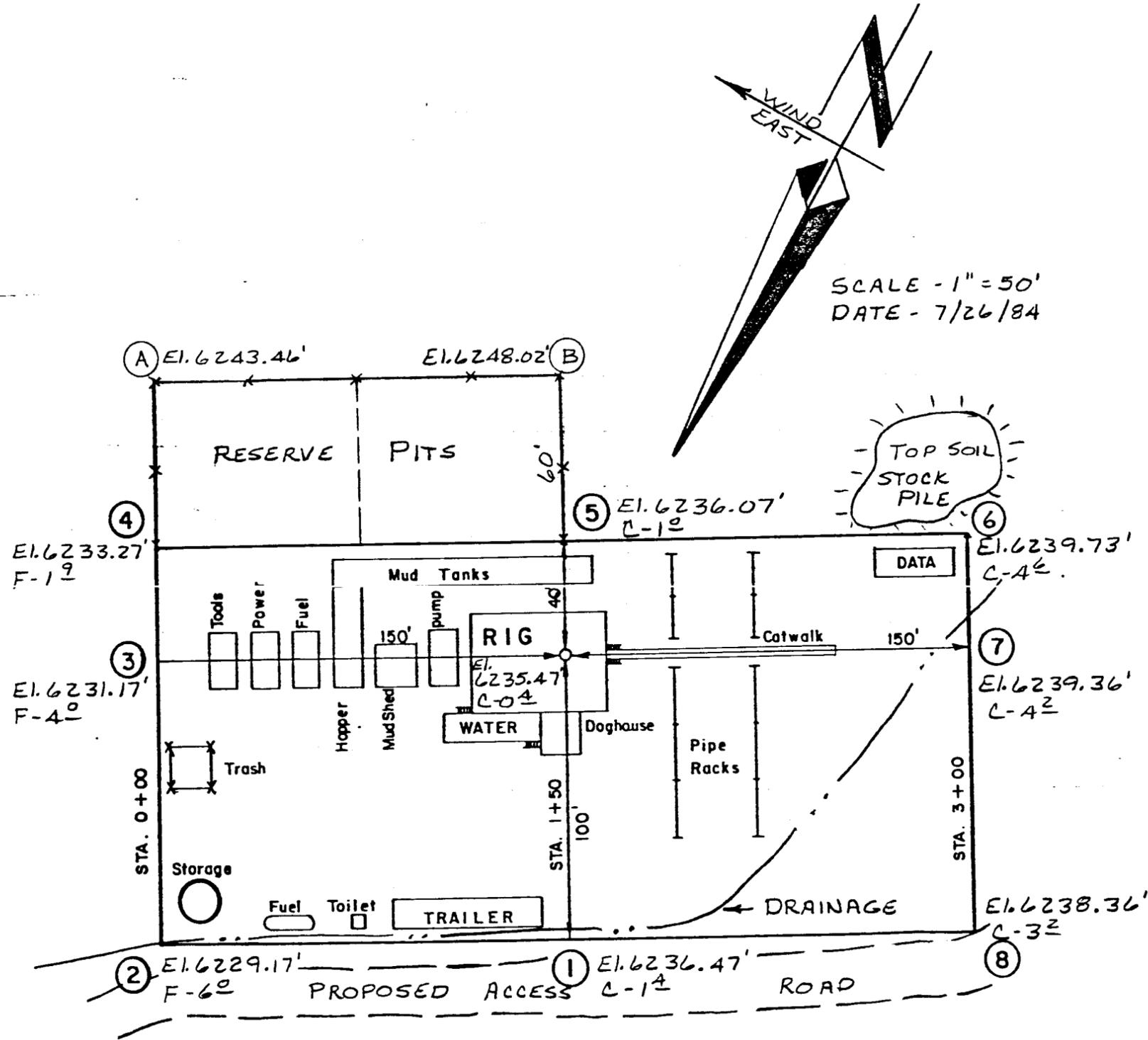
August 13, 1984
Date

Paul Curry FER
Jack Pruitt

BOP DIAGRAM



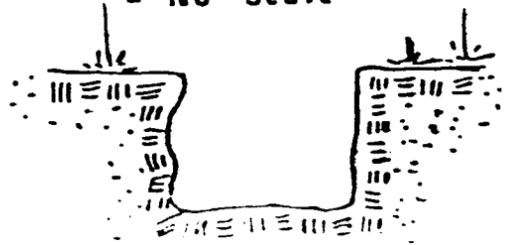
LOMAX EXPLORATION CO.
BRUNDAGE LTE TRIBAL #2-21



Cubic Yards Cut - 2,409
Cubic Yards Fill - 1,986

SOILS LITHOLOGY

- No Scale -



Light Brown
Sandy Clay

LOMAX EXPLORATION CO.

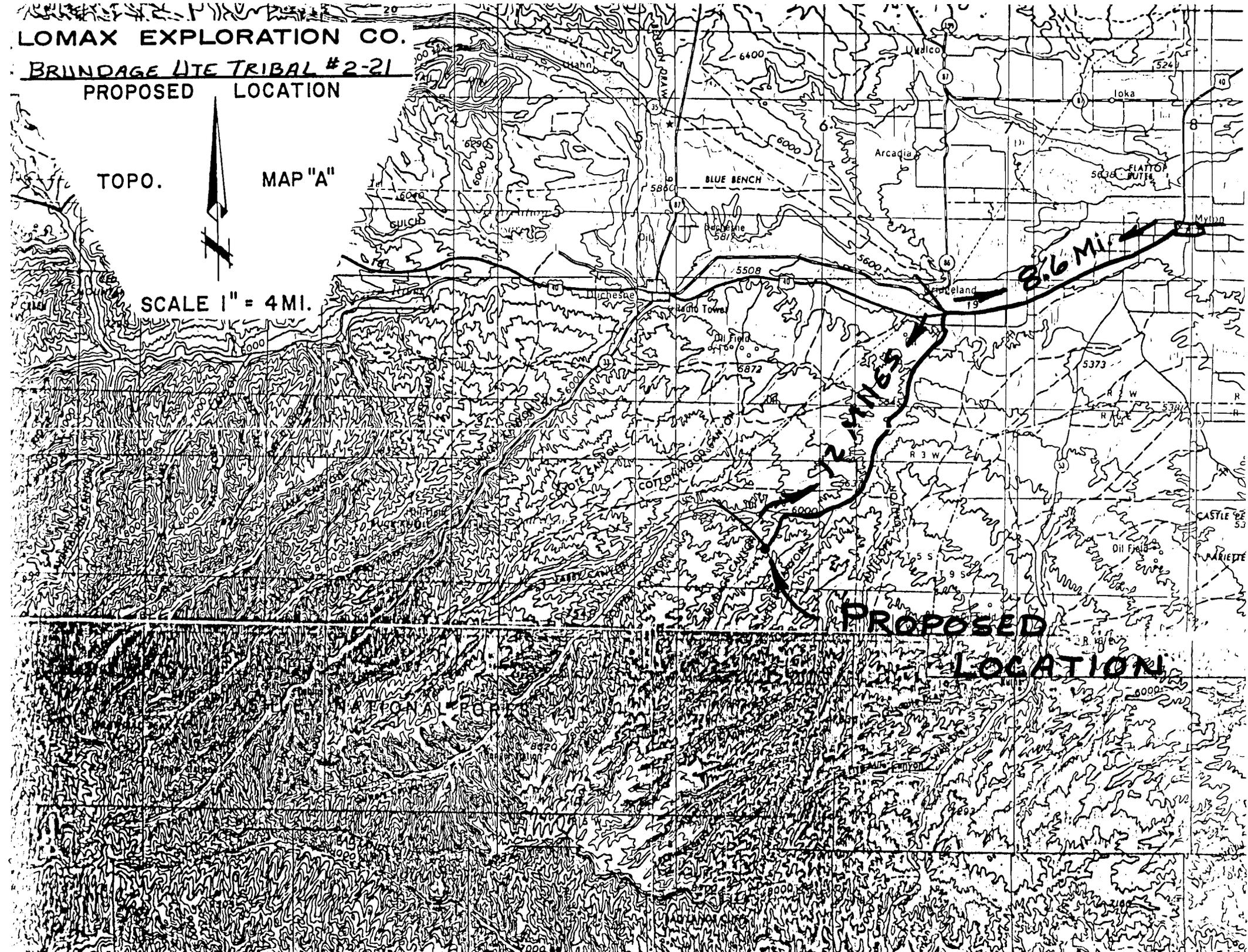
BRUNDAGE UTE TRIBAL #2-21

PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



PROPOSED LOCATION

8.6 MI

LOMAX EXPLORATION CO.

BRUNDAGE LITE TRAIL #2-21

PROPOSED LOCATION

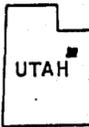
TOPO.

MAP "B"

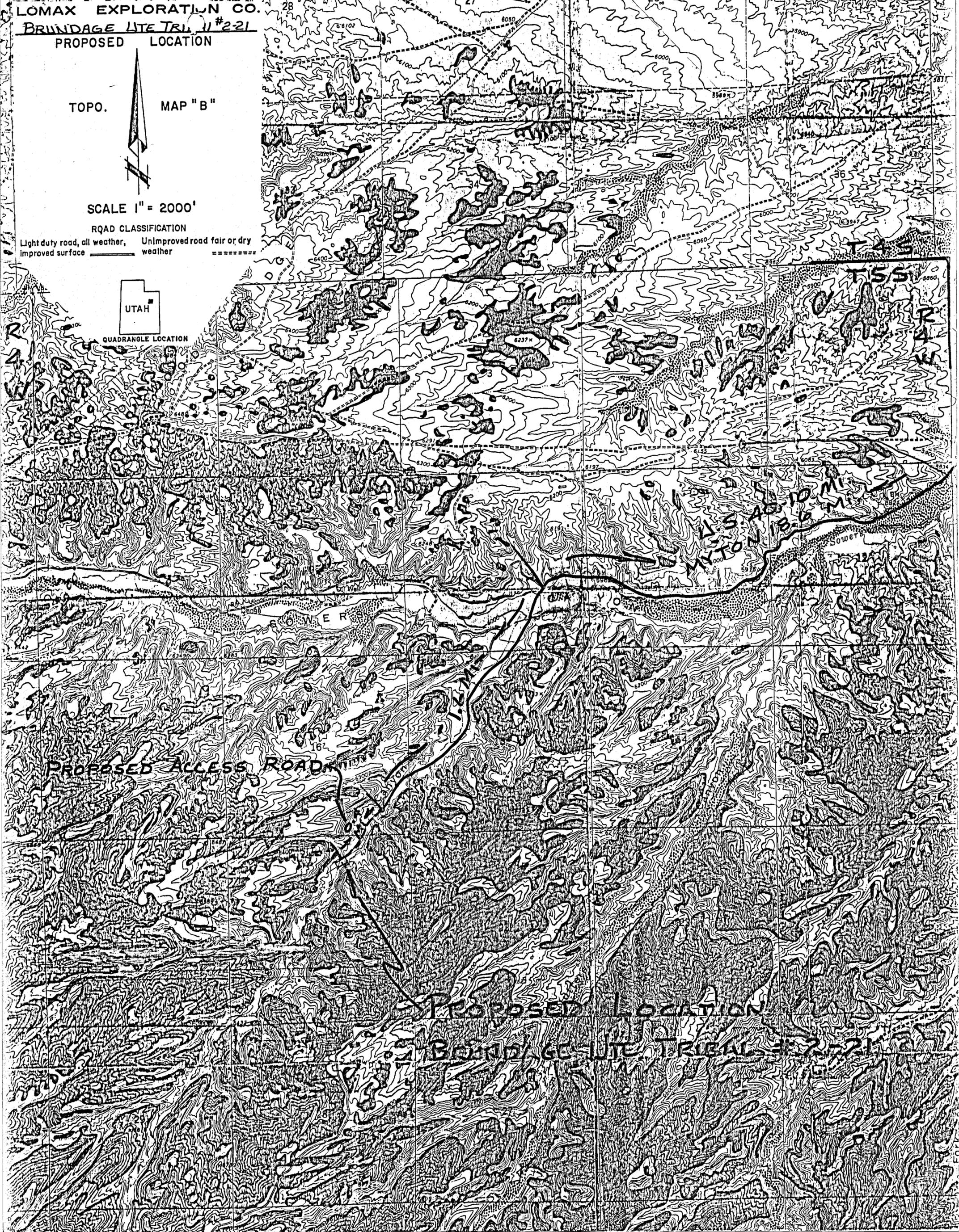
SCALE 1" = 2000'

ROAD CLASSIFICATION

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



QUADRANGLE LOCATION



PROPOSED ACCESS ROAD

PROPOSED LOCATION

BRUNDAGE LITE TRAIL #2-21

RECEIVED

Duane Hall Trucking Inc.

AUG 17 1984

DIVISION OF OIL
GAS & MINING



VERNAL
789-1576

241 NORTH 850 WEST
VERNAL, UTAH 84078
PSCU 557

ROOSEVELT
722-9908

ALTAMONT
454-3872
454-3355

TO WHOM IT MAY CONCERN:

Duane Hall Trucking Inc. has secured from me, water rights
to haul to Lomax Drilling.

R. W. Young
Signed

APPLICATION NO. _____
DISTRIBUTION SYSTEM _____

Application For Temporary Change of Point of Diversion Place or Purpose of Use

RECEIVED

STATE OF UTAH

AUG 17 1984

(To Be Filed in Duplicate)

DIVISION OF OIL
GAS & MINING

Vernal, Utah Aug. 31 19. 83
Place Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)

of water, the right to the use of which was acquired by Appl. A-9013 (43-1650)
(Give No. of application, title and date of Decree and Award No.)
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of
facts, submitted in accordance with the requirements of the Laws of Utah.

- The owner of right or application is R. W. & Nelda Young
- The name of the person making this application is Duane Hall Trucking
- The post office address of the applicant is 241 North 850 West, Vernal, Utah 84078

PAST USE OF WATER

- The flow of water which has been used in second feet is 2.0 cfs.
 - The quantity of water which has been used in acre feet is _____
 - The water has been used each year from Apr. 1 to Oct. 31 incl.
(Month) (Day) (Month) (Day)
 - The water has been stored each year from Jan. 1 to Dec. 31 incl.
(Month) (Day) (Month) (Day)
 - The direct source of supply is Sowers Creek in Duchesne County.
 - The water has been diverted into _____ ditch canal at a point located N. 800 ft. & E. 500 ft.
from the SW Cor. Sec. 9, T5S, R4W, USB&M
 - The water involved has been used for the following purpose: Incid. stockwater & Irrigation
- Total 85.40 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- The flow of water to be changed in cubic feet per second is .04 cfs.
 - The quantity of water to be changed in acre-feet is _____
 - The water will be diverted into the tank truck ditch canal at a point located _____
North 1250 ft. West 1100 ft. from the SE Cor. Sec. 10, T4S, R4W, USB&M
 - The change will be made from Sept. 10 19. 83 to Sept. 9 19. 83.
(Period must not exceed one year)
 - The reasons for the change are To be used for oil well drilling purposes
 - The water involved herein has heretofore been temporarily changed _____ years prior to this application.
(List years change has been made)
 - The water involved is to be used for the following purpose: Oil Well Drilling
- Total _____ acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

[Handwritten Signature]
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:
State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. (River System)

1. Application received by Water Commissioner (Name of Commissioner)

Recommendation of Commissioner

2. 8-31-83 Application received over counter by mail in State Engineer's Office by

3. Fee for filing application, \$7.50 received by Rec. No.

4. Application returned, with letter, to for correction.

5. Corrected application resubmitted over counter by mail to State Engineer's Office.

6. Fee for investigation requested \$

7. Fee for investigation \$ received by Rec. No.

8. Investigation made by Recommendations:

9. Fee for giving notice requested \$

10. Fee for giving notice \$ received by Rec. No.

11. Application approved for advertising by publication mail by

12. Notice published in

13. Notice of pending change application mailed to interested parties by as follows:

14. Change application protested by (Date Received and Name)

15. Hearing set for at

16. Application recommended for rejection approval by

17. Change Application rejected approved and returned to

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1.
2.
3.

State Engineer

OPERATOR Lomax Exploration Co. DATE 8-17-84
WELL NAME Brundage lite Trial # 2-21
SEC NWNE 21 T 5S R 4W COUNTY Dickinson

43-013-30988
API NUMBER

Indian
TYPE OF LEASE

POSTING CHECK OFF:

INDEX MAP HL
 NID PI

PROCESSING COMMENTS:

No other wells within 1000'
Water # - #84-43-56

CHIEF PETROLEUM ENGINEER REVIEW:

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 PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

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.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 28, 1984

Lomax Exploration Company
P. o. Box 4503
Houston, Texas 77210

Gentlemen:

RE: Well No. Brundage Ute Tribal #2-21 - NWNE Sec. 21, T. 5S, R. 4W
759' FNL, 1978' FEL - Duchesne County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Lomax Exploration Company
Well No. Brundage Ute Tribal #2-21
August 28, 1984

5. 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 43-013-30988.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', written over a horizontal line.

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
Bureau of Indian Affairs

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
 Lomax Exploration Company

3. ADDRESS OF OPERATOR
 P.O. Box 4503, Houston, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface
 759' ENL & 1978' FEL NW/NE
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 20 1/2 Miles SW of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 759'

16. NO. OF ACRES IN LEASE 640

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. 1830'

19. PROPOSED DEPTH 6000'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6235' GR

22. APPROX. DATE WORK WILL START*
 9/23/84

5. LEASE DESIGNATION AND SERIAL NO.
 BIA-14-20-H62-3414

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Brundage Ute Tribal

9. WELL NO.
 #2-21

10. FIELD AND POOL, OR WILDCAT
 Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 21, T5S, R4W

12. COUNTY OR PARISH 13. STATE
 Duchesne Utah

RECEIVED
 JUN 03 1985
 DIVISION OF OIL
 GAS & MINING

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	8 5/8"	24#	300'	To surface
7 7/8"	5 1/2"	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 Paul Curley for G.L. Pruitt TITLE V.P., Drilling & Production DATE August 13, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Don Alford TITLE ASSOCIATE DISTRICT MANAGER DATE 05-28-85
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

UT-080-4-M-254

*See Instructions On Reverse Side

AUG 1984
 RECEIVED
 Mineral Dept.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL
WITHIN THE UINTAH OURAY RESERVATION

Company Lomax Exploration Well No. 2-21
Location Sec. 21 T.5S R.4W Lease No. 14-20-H62-3414
Onsite Inspection Date 09-13-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. 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. DRILLING PROGRAM

1. Estimated Depth of Anticipated Water, Oil, Gas, or Minerals

All fresh 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

Prior to drilling out the surface casing shoe, the Ram-type preventers shall be tested to 2000 psi, and the Annular-type preventer shall be tested to 1500 psi.

BOP and choke manifold systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

The cementing program for the production string shall provide coverage of oil hydrocarbon-bearing zones.

The District Office should be notified, 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

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

5. Coring, Logging and Testing Program

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

6. Notifications of Operations

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

The spud date will be reported 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.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 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 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 Order No. 1, lessees and operators have 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.

B. THIRTEEN POINT SURFACE USE PLAN

1. Planned Access Roads:

- a. Width: 30' right-of-way.
- b. Drainage: 48" minimum culvert is required.

All travel will be confined to existing access road rights-of-way.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, approved rights-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

2. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery and a sundry notice will be filed indicating the type and placement of production facilities.

Tank batteries will be placed between points 1 and 2 on the north side of the location as shown on the APD.

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.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and anchored securely downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. 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.

3. Source of Construction Material:

If fill materials are needed to construct roads and well sites, proper permits will be obtained. A copy of the permit needed to obtain water will be attached to the application if water is to be used for the drilling. Information for permits will include: (a) the approximate amount of water or materials needed, (b) location and ownership of the water rights or materials to be used, and (c) the approximate amount of time the water or materials will be required.

4. Methods of Handling Waste Disposal

Storage tanks will be used if drill sites are located on tribal irrigable land or on lands under crop production. All reserve pits will be lined with a plastic nylon reinforced liner.

Burning will not be allowed. All trash must be contained and disposed of by a trash cage and hauled to an approved sanitary landfill.

Produced waste water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, 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, and will be grounds for issuing a shut-in order.

5. Well Site Layout

The reserve pit will be located: southeast corner of the location between points 4 and 5 as shown on APD.

The stockpiled topsoil will be stored between points 3 and 4 on the east side of the location as shown on APD.

Access to the well pad will be from the northeast corner of the location between points 3 and 2 as shown on APD.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to

Right-of-Way Authorization". All operators, sub-contractors, vendors and their employees or agents may not disturb saleable timber (including firewood) without a duly grant wood permit from the BIA Forester.

6. Plans for Restoration of Surface

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

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. Plastic liner will be torn and perforated before backfilling of the reserve

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BIA. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: BIA will supply a seed mixture at the time of restoration.

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 of well completion, weather permitting.

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to insure cultivation and harvesting of crops and, (c) insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

The operator will submit a plan of controlling noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county extension office.

7. Surface and Mineral Ownership

Indian - Surface and minerals.

8. Other Information

1. Reroute drainage around northwest side of the location.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling,

producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

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

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

9. Lessee's or Operators Representative and Certification

Operator employees, including subcontractors, will not carry firearms or other weapons that may be used to kill game animals.

Operator employees, including subcontractors, will be confined to established roads and well sites. The purpose of this is to prevent soil erosion, and to prevent harassment of game animals or livestock with off-road vehicles such as snowmobiles, motorcycles, or 4-wheel drives.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the B.I.A. before cutting firewood or other timber products and (e) only authorized personnel permitted.

**Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078**

RECEIVED
JUN 09 1986

**DIVISION OF
OIL, GAS & MINING**

3162.35
U-820
14-20-H62-3414

June 4, 1986

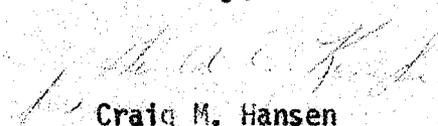
Lomax Exploration Company
50 West Broadway #1200
Salt Lake City, UT 84101

RE: Rescind Application for Permit to Drill
Well No. 2-21
Section 21, T5S, R4W
Duchesne County, Utah
Lease No. 14-20-H62-3414

The Application for Permit to Drill the referenced well was approved on May 28, 1985. Since that date, no known activity has transpired at the approved location. Under current District policy, Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,


Craig M. Hansen
ADM for Minerals

mh

bcc: State Div. O G & M
well file
U-922/943
BIA
Jim Shaeffer



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 10, 1986

Lomax Exploration Company
50 West Broadway, #1200
Salt Lake City, Utah 84101

Gentlemen:

RE: Well No. Brundage Ute Tribal #2-21, Sec.21, T.5S, R.4W,
Duchesne County, Utah, AFI NO. 43-013-30988

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

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

John R. Baza
Petroleum Engineer

sb
cc: BLM-Vernal
D. R. Nielson
R. J. Firth
Well file
0278T-71



June 9, 1986

RECEIVED
JUN 11 1986

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Gentlemen,

This letter is to confirm that no surface disturbance has been made at any of the following drill sites:

W. Mon. Butte #5-33
Sec. 33, T8S, R16E
Duchesne County, Utah
Lease No.: U-34173

T.C.U.T. #5-24
Sec. 24, T5S, R5W
Duchesne County, Utah
Lease No.: 14-20-H62-3424

B.C.U.T. #16-14
Sec. 14, T5S, R4W
Duchesne County, Utah
Lease No.: 14-20-H62-3411

S.B.C.U.T. #5-29
Sec. 29, T5S, R4W
Duchesne County, Utah
Lease No.: 14-20-H62-3416

C.R.U.T. #1-18
Sec. 18, T5S, R4W
Duchesne County, Utah
Lease No.: 14-20-H62-3437

B.C.U.T. #2-21 *DR.*
Sec. 21, T5S, R4W
Duchesne County, Utah
Lease No.: 14-20-H62-3414

Please advise if you need additional information.

Sincerely,

J.R. Schaefer
Drilling Manager

JRS/cc

cc: State of Utah
Natural Resources
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203