

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED 11-30-84

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN 14-20-H62-3529

DRILLING APPROVED: 1-3-85 - OIL

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED VA - Application Rescinded 8-13-86

FIELD: ~~UNDESIGNATED~~ Brundage Cyn 9/86

UNIT:

COUNTY: DUCHESNE

WELL NO. S. COTTONWOOD ~~RIDGE~~ UTE TRIBAL #13-20

API #43-013-31065

LOCATION 766' FSL FT. FROM (N) (S) LINE. 514' FWL FT. FROM (E) (W) LINE. SW SW 1/4 - 1/4 SEC. 20

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<u>5S</u>	<u>4W</u>	<u>20</u>	<u>LOMAX EXPLORATION CO.</u>



November 27, 1984

U. S. Department of the Interior
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Re: S. Cottonwood Ridge Ute Tribal #13-20
SW/SW Sec. 20, T5S, R4W
Duchesne County, Utah
Application for Permit to Drill

Gentlemen:

Please find enclosed the original and three (3) copies of our Application for Permit to Drill for the subject well.

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

If further information is required, please advise.

Yours very truly,

A handwritten signature in cursive script that reads "Paul Curry".

Paul Curry
Engineering Assistant

PC:da
Enclosures

cc: State of Utah
Division of Oil, Gas and Minerals
355 W. North Temple
#3 Triad Center
Salt Lake City, Utah 84180-1203

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

RECEIVED
NOV 30 1984

DIVISION OF
OIL, GAS & MINING

13

**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 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
766' FSL and 514' FWL SW/SW
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles south of Myton Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 514'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5564'

19. PROPOSED DEPTH 6200' *Wanted*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6622' ungraded ground

22. APPROX. DATE WORK WILL START*
March 1985

5. LEASE DESIGNATION AND SERIAL NO.
BIA-14-20-H62-3529

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
S. Cottonwood Ridge Ute Tribe

9. WELL NO.
#13-20

10. FIELD AND POOL, OR WILDCAT
 Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 20, T5S, R4W

12. COUNTY OR PARISH 13. STATE
Duchesne Utah

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

NOTE: Anticipated bottom hole pressure is 2700 PSI

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
 DATE: 11/3/85
 BY: [Signature]

RECEIVED
 NOV 30 1984
 DIVISION OF
 OIL, GAS & MINING

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

24. SIGNED [Signature] G.L. Pruitt TITLE V.P. Drilling & Production DATE November 27, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

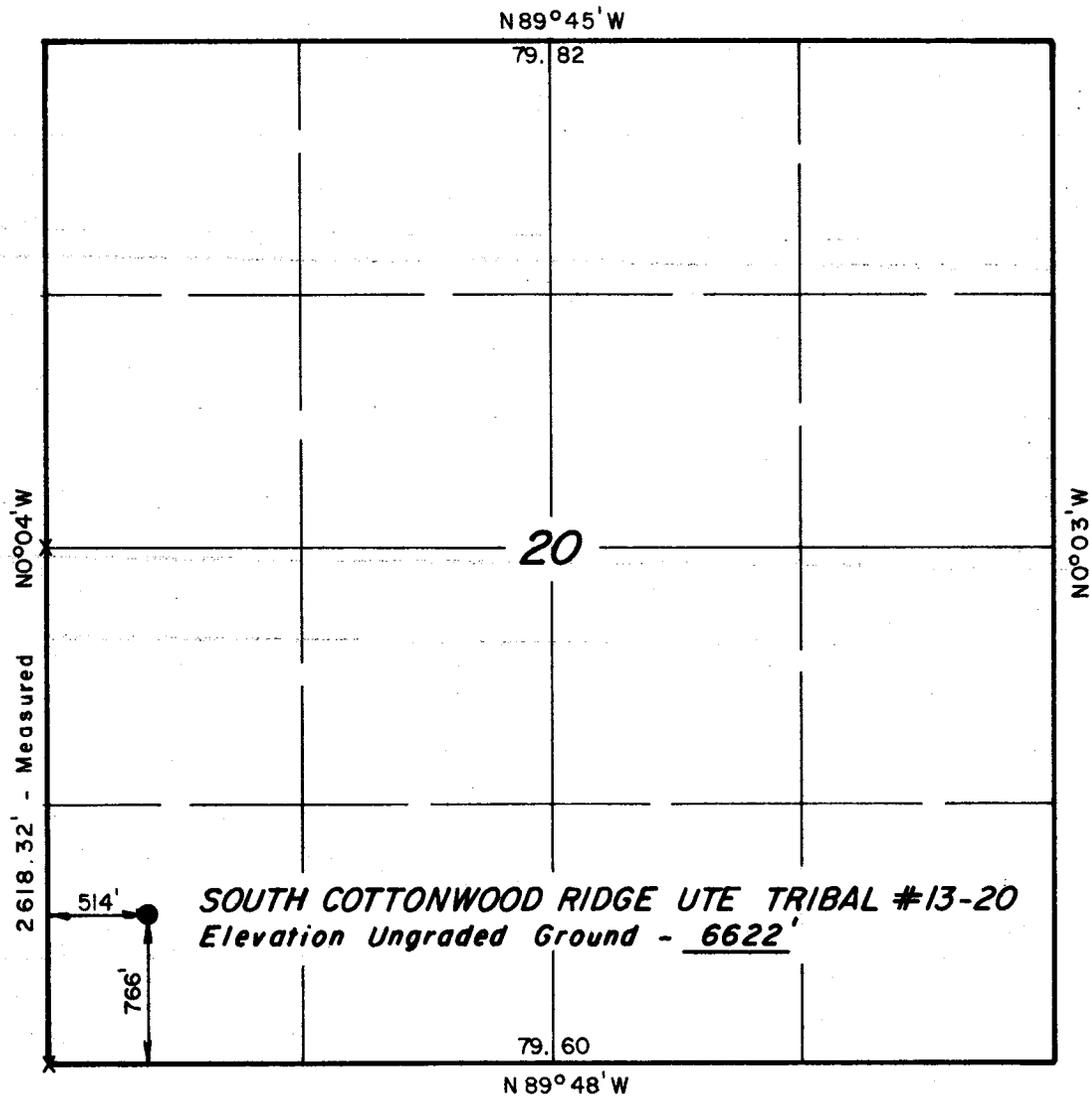
***See Instructions On Reverse Side**

T 5 S , R 4 W , U.S.B. & M.

PROJECT

LOMAX EXPLORATION CO.

Well location, *SOUTH COTTONWOOD RIDGE UTE TRIBAL # 13-20*, located as shown in the SW 1/4 SW 1/4 Section 20, T5S, R4W, U.S.B. & M.



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.

Richard J. Randall
 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	11 / 14 / 84
PARTY	LDT DB GM RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	LOMAX

X = Section Corners Located

TEN POINT WELL PROGRAM

LOMAX EXPLORATION COMPANY
S. Cottonwood Ridge Ute Tribal #13-20
SW/SW Sec. 20, 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	1400'
Wasatch	6100'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Green River	4700'	Oil
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4. Proposed Casing Program

8-5/8", 24# J-55; set @ 300'
5-1/2", 17#, J-55; 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 a Kelly Cock, and a T1W valve with drill pipe threads.

8. Testing, Logging and Coring Programs

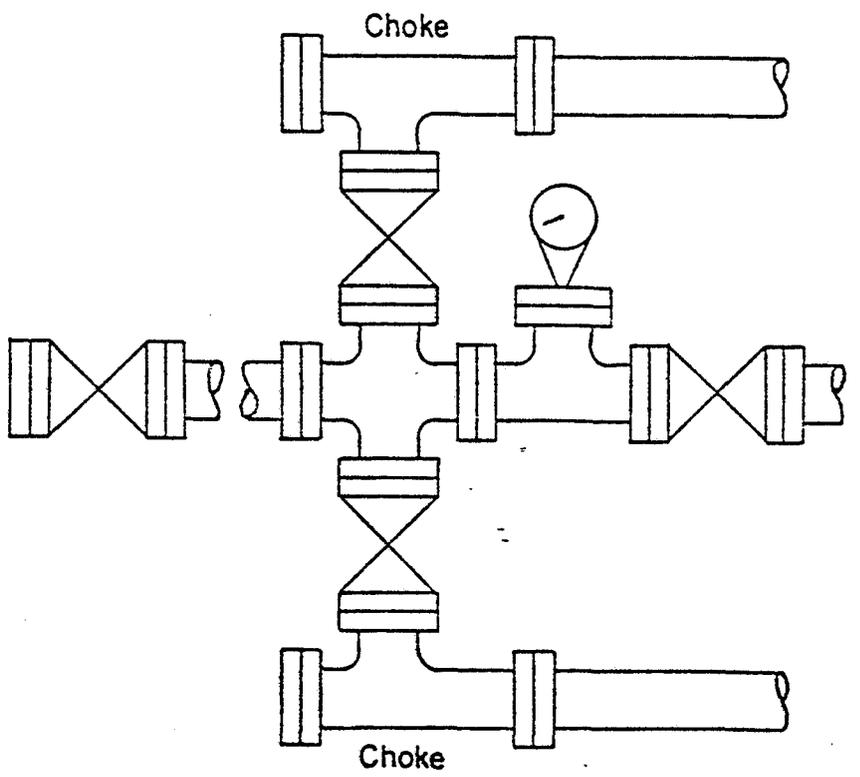
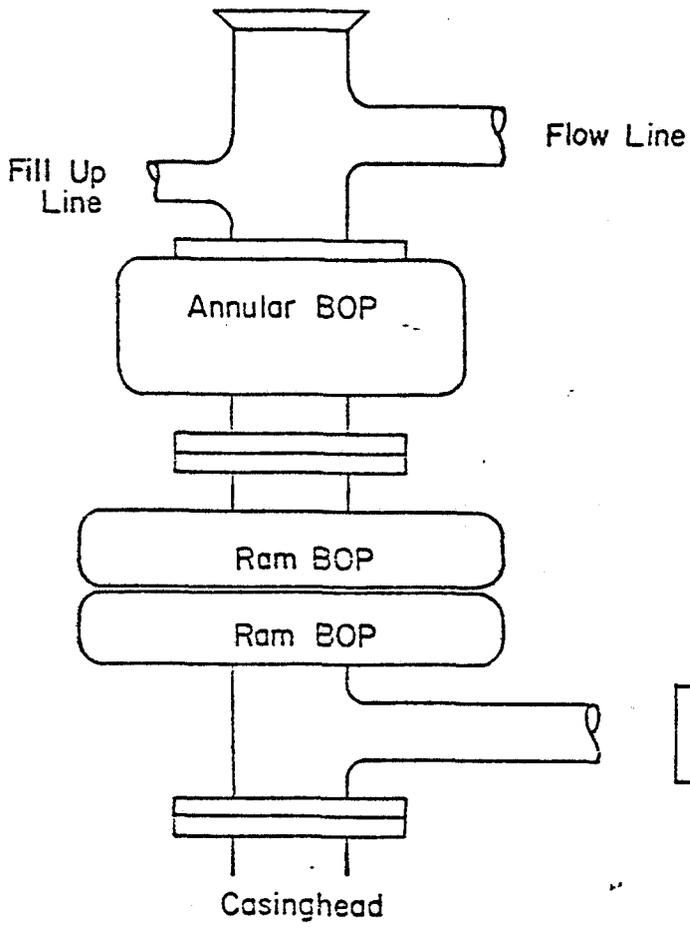
No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

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 H₂S gas will be encountered in this area.

10. Anticipated Starting Date and Duration of the Operations

It is anticipated that operations will commence approximately March 1985.



ALL EQUIPMENT 3000 PSI OR HIGHER WORKING PRESSURE

LOMAX EXPLORATION CO.

13 Point Surface Use Plan

For

Well Location

South Cottonwood Ridge Ute Tribal #13-20

Located In

Section 20, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION CO. well location site South Cottonwood Ridge Ute Tribal #13-20 located in the SW 1/4 SW 1/4 Section 20, T5S, R4W, U.S.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 8.6 miles + to the Junction of this Highway and the Sowers Canyon Road to the South; proceed Southerly along this county road 10.1 miles to its junction with an existing dirt road to the South up Brundage Canyon; proceed Southerly up Brundage Canyon 3.3 miles to the junction of this road and an existing dirt road to the South; proceed Southerly along this road 0.2 miles to its junction with the proposed access road. (To be discussed in Item #2).

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in, and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M., B.I.A., or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed road leaves the existing road described in Item #1 in the SE 1/4 SE 1/4 Section 19, T5S, R4W, U.S.B. & M., and proceeds in an Easterly direction approximately 500' + 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 proposed road.

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

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top ridges that will provide the greatest sight distance. There turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

The lands involved in this action are under B.I.A. jurisdiction.

The terrain that is traversed by this road is relatively uneven. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are two producing wells within a one mile radius of this location site. (See Topographic Map "B").

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are two existing LOMAX EXPLORATION CO. wells within a one mile radius of this location site.

A tank battery site will be set up at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing battery in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 3.6 miles from Sowers Creek at a point where it crosses under the Brundage Canyon road Section 10, T5S, R4W, U.S.M.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

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 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.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time drilling.

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.

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.

The B.I.A. Representative shall be notified before any construction begins on the proposed location site.

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 it 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, 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 and access road 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.

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 a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Duchesne River is located approximately 12 miles to the North of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uintah formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area in only 8".

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 as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

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

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

South Cottonwood Ridge Ute Tribal #13-20 is located near the top of a ridge between Brundage Canyon and Sowers Canyon.

The terrain in the vicinity of the location slopes from the West to the East at approximately 14% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

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

There are no visible archeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B".)

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

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

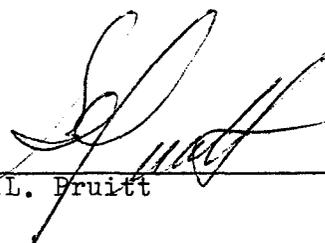
13. CERTIFICATION

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.

Date

11/27/84

G.L. Pruitt



LOMAX EXPLORATION CO.

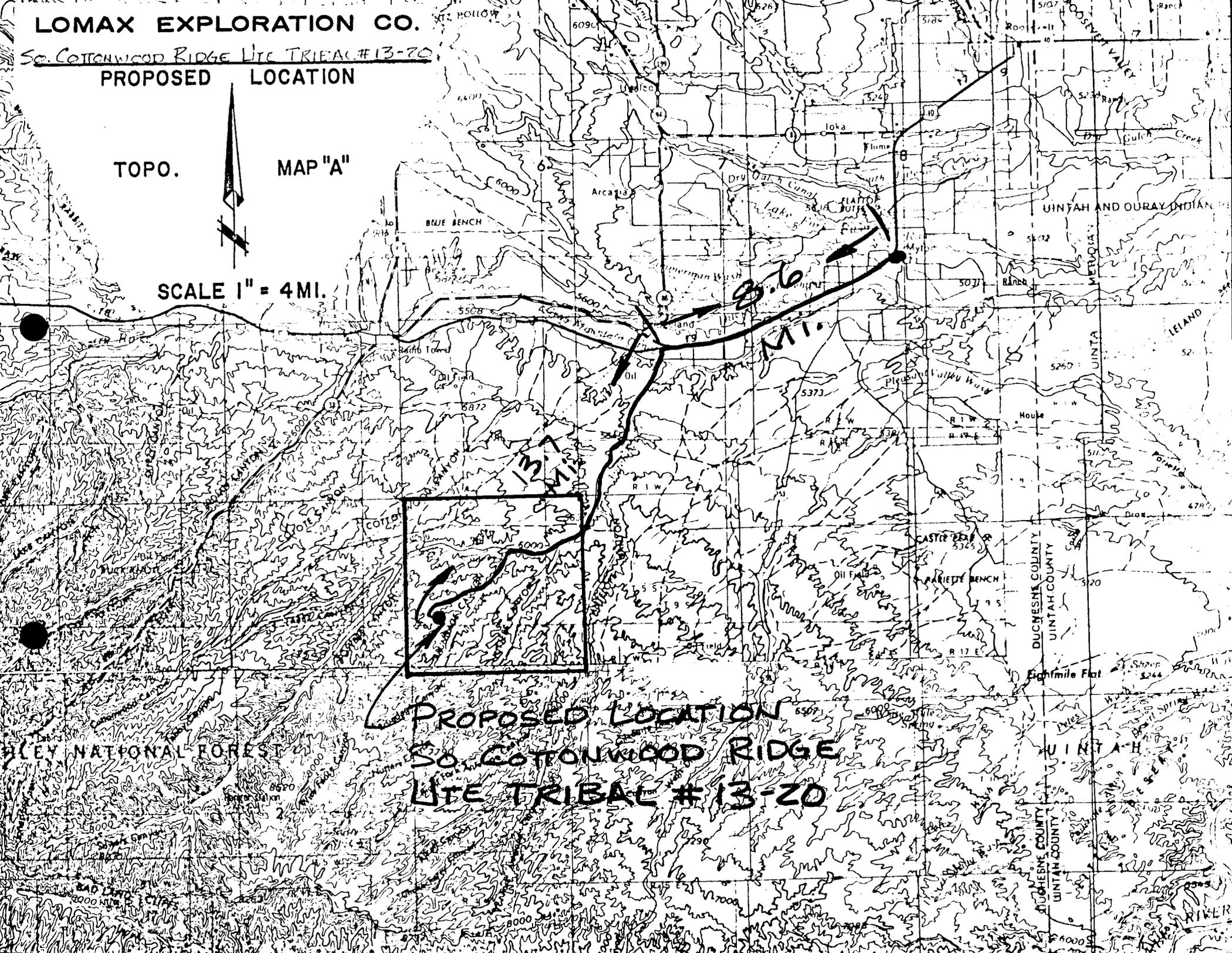
SO. COTTONWOOD RIDGE UIC TRIBAL #13-20

PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



PROPOSED LOCATION
 SO. COTTONWOOD RIDGE
 UIC TRIBAL #13-20

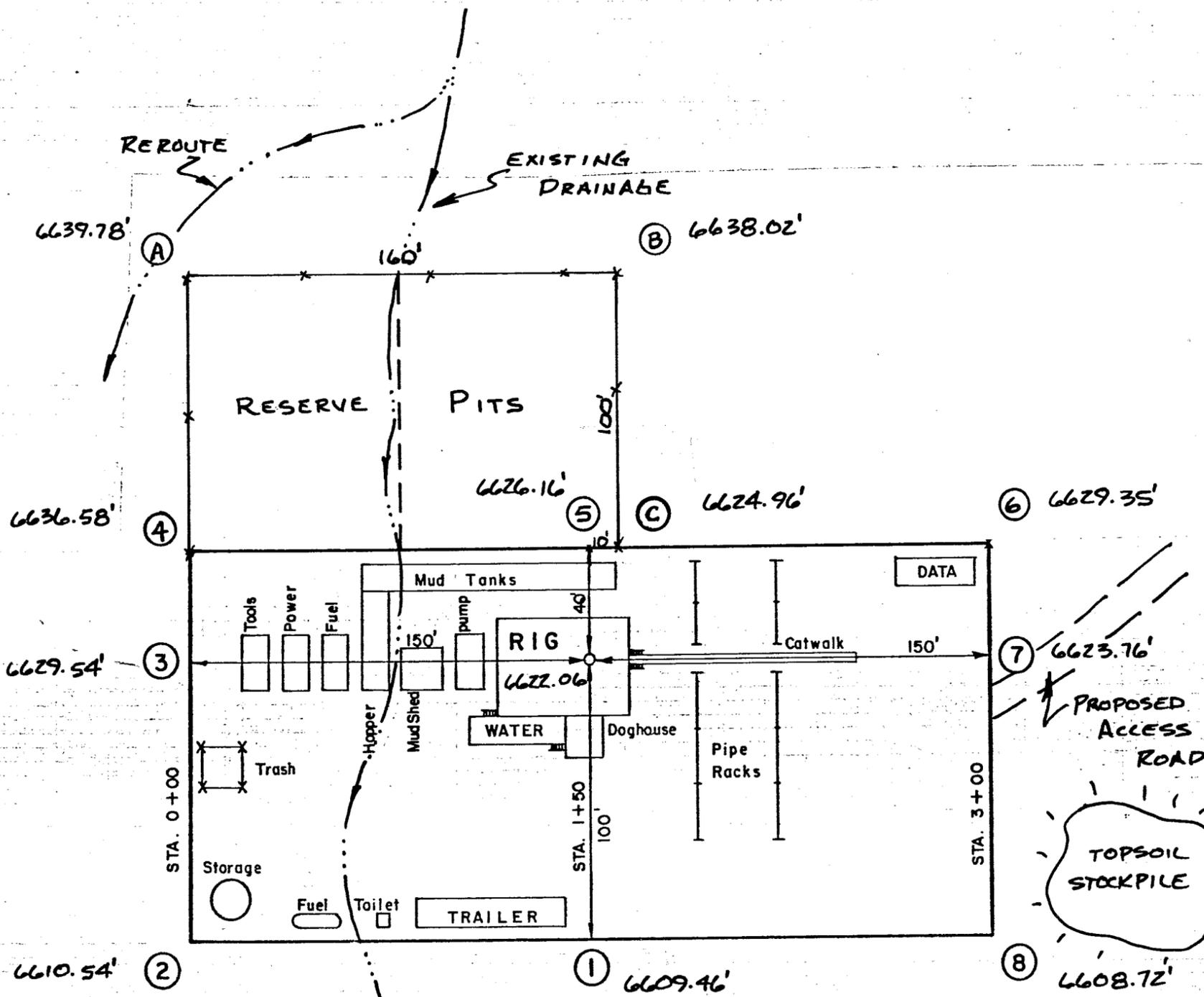
WHELEY NATIONAL FOREST

DUCHESS COUNTY
 UINTAH COUNTY

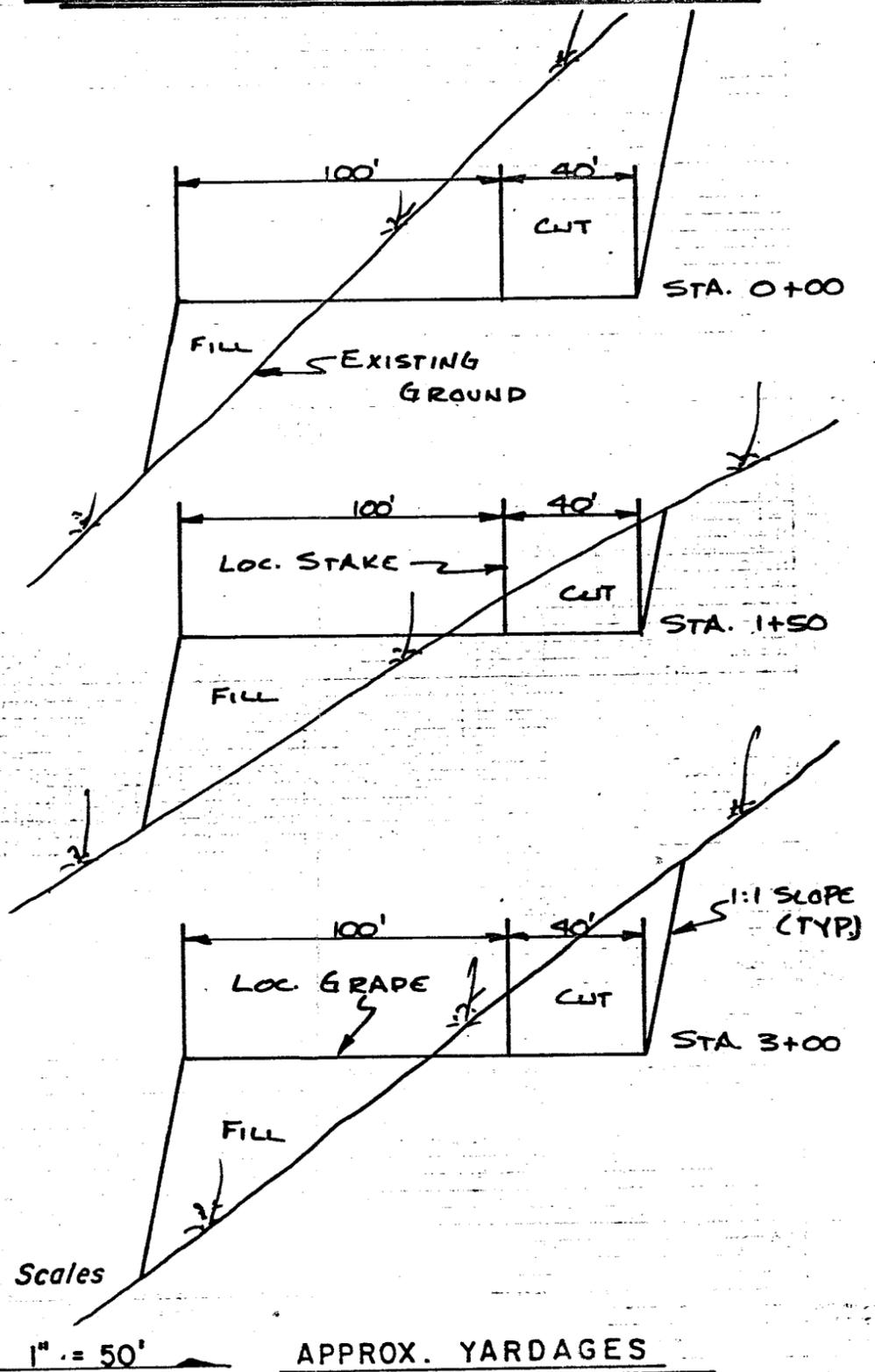
UINAH

LOMAX EXPLORATION CO.

South Cottonwood Ridge Ute Tribal #13-20

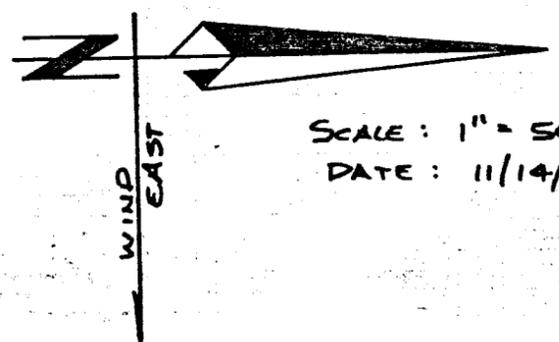


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SOILS LITHOLOGY

- No Scale -



SCALE: 1" = 50'
DATE: 11/14/84

Scales

1" = 50'

APPROX. YARDAGES

Cubic Yards Cut - 5,890
Cubic Yards Fill - 4,765

LOMAX EXPLORATION CO.

SO. COTTONWOOD RIDGE UTE TRIBAL #13-20

PROPOSED LOCATION

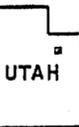
TOPO.

MAP "B"

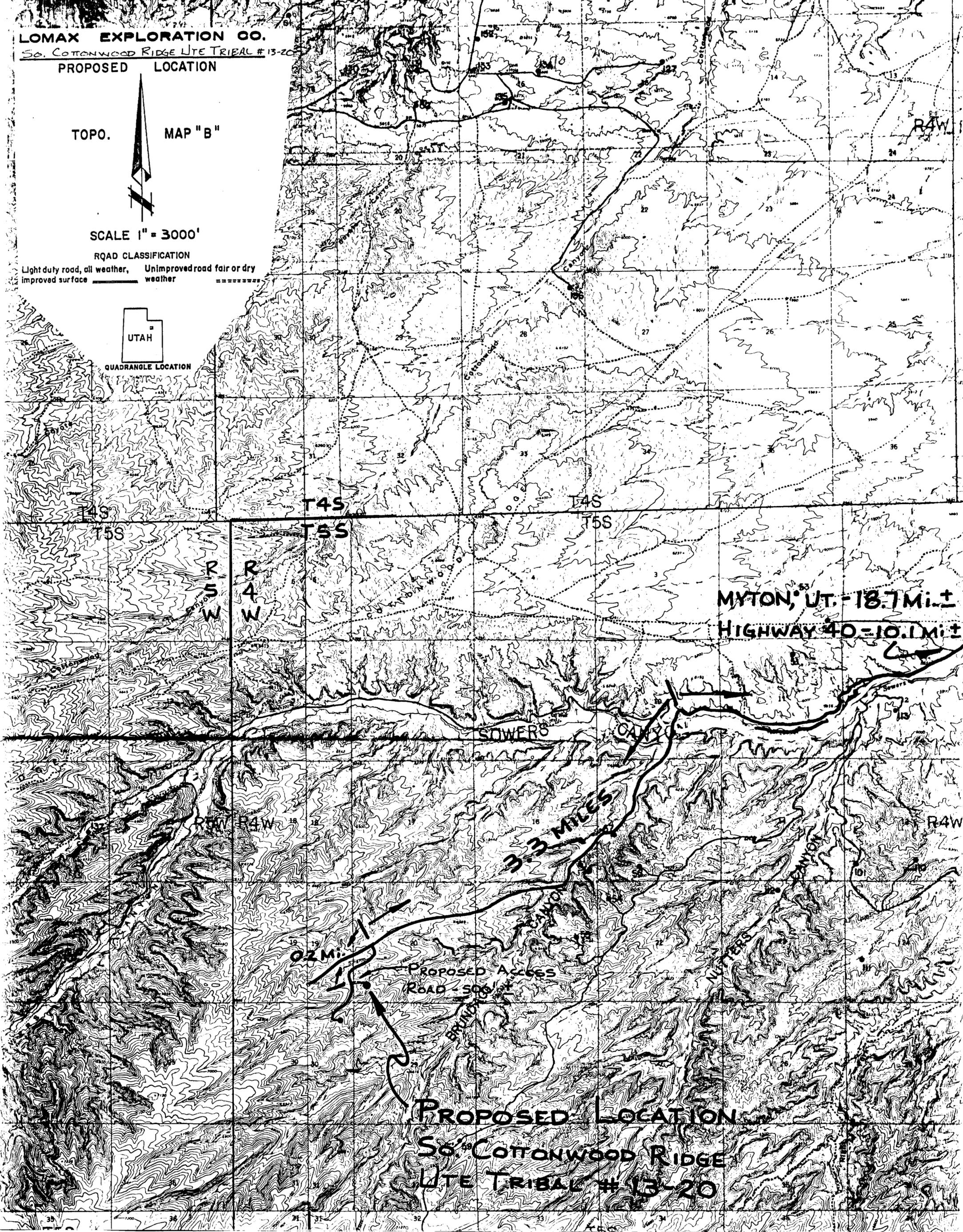
SCALE 1" = 3000'

RQAD CLASSIFICATION

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



QUADRANGLE LOCATION



MYTON, UT. - 18.7 Mi. ±
HIGHWAY 40 - 10.1 Mi. ±

3.3 MILES

0.2 Mi.

PROPOSED ACCESS ROAD - 500' ±

PROPOSED LOCATION
SO. COTTONWOOD RIDGE
UTE TRIBAL #13-20

APPLICATION NO. 84-43-77
DISTRIBUTION SYSTEM

Application For Temporary Change of Point of Diversion, Place or Purpose of Use STATE OF UTAH

(To Be Filed in Duplicate)

Vernal, Utah
Place

Nov. 13 19 84
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. 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 Matador Service
- The post office address of the applicant is P. O. Box 1958, Roosevelt, Utah 84066

PAST USE OF WATER

- The flow of water which has been used in second feet is 2.0
- The quantity of water which has been used in acre feet is
- The water has been used each year from Jan. 1 to Dec. 31 incl.
(Month) (Day) (Month) (Day)
- The water has been stored each year from to incl.
(Month) (Day) (Month) (Day)
- The direct source of supply is Sowers Creek in Duchesne County.
- The water has been diverted into Ditch 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
- The quantity of water to be changed in acre-feet is 10.0
- The water will be diverted into the tank trucks ditch canal at a point located N. 1250' W. 1100'
from the SE Cor. Sec. 10, T4S, R4W, USB&M
- The change will be made from Nov. 13 19 84 to Nov. 13 19 85.
(Period must not exceed one year)
- The reasons for the change are To be used for oil well drilling & Completion 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: 1. Tabby Canyon Ute Tribal 15-23, Sec. 15, T5S, R5W
2. Tabby Canyon Ute Tribal 5-24, Sec. 24, T5S, R5W; 3. Sowers Canyon Ridge Ute Tribal 13-20
Sec. 20, T5S, R4W, (See Explanatory) 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

- South Brundage Ute Tribal 5-29, Sec. 29, T5S, R4W; 5. South Brundage Ute Tribal 3-33
Sec. 33, T5S, R4W, USB&M

A filing fee in the sum of 7.50 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.

[Signature]
Signature of Applicant

OPERATOR Loney Exploration DATE 12-27-84
WELL NAME S. Cottonwood Ridge Ute Tract #13-20
SEC SWSW 20 T 55 R 4W COUNTY Washburn

43-013-31065
API NUMBER

Lease
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 1000'
Water of

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

C-3-a _____ CAUSE NO. & DATE

C-3-b

C-3-c

STIPULATIONS:



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

January 3, 1985

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

Gentlemen:

Re: Well No. S. Cottonwood Ridge Ute Tribal 13-20 - SW SW Sec. 20, T. 5S, R. 4W
766 FSL, 514' FWL - 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) 538-5340, (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.

Lomax Exploration Company
Well No. S. Cottonwood Ridge Ute Tribal 13-20
January 3, 1985
Page 2

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 43-013-31065.

Sincerely,



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 INDIAN AFFAIRS

UINTAH AND OURAY AGENCY

Fort Duchesne, Utah 81026

(801) 722-2406 Ext. 33, 34

IN REPLY REFER TO:

Real Property Management
Ten. and Mgmt.

JUN 25 1985

MEMORANDUM

TO: District Manager, Bureau of Land Management

FROM:  Superintendent, Uintah and Ouray Agency

SUBJECT: Lomax Exploration Company, Well 13-20
in the SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 20, T. 5 S., R. 4 W., Uinta meridian, Utah.

We (concur with or, recommend) approval of the Application for Permit to Drill subject well.

Based on available information on 6-24-85, we have cleared the proposed location in the following areas of environmental impact.

YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Listed threatened or endangered species.
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Critical wildlife habitat.
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Archaeological or cultural resources.
YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)
YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	Other (if necessary)

REMARKS: _____

The necessary surface protection and rehabilitation requirements are as per approved APD.



RECEIVED
BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR
JUN 26 1985

JUN 26 1985

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 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 766' FSL and 514' FWL SW/SW
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 BIA-14-20-H62-3529

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute Tribe

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 S. Cottonwood Ridge Ute Tribe

9. WELL NO.
 #13-20

10. FIELD AND POOL, OR WILDCAT
 Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 20, T5S, R4W

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles south of Myton Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 514'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 5564'

19. PROPOSED DEPTH
 6200'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6622' ungraded ground

22. APPROX. DATE WORK WILL START*
 March 1985

RECEIVED
JUL 12 1985

DIVISION OF OIL
GAS & MINING

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

NOTE: Anticipated bottom hole pressure is 2700 PSI



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

24. SIGNED [Signature] G.L. Pruitt TITLE V.P. Drilling & Production DATE November 27, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 7-9-85

CONDITIONS OF APPROVAL, IF ANY:
NOTICE OF APPROVAL
 ut 080-5M-075
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
 *See Instructions On Reverse Side

Div. OG+M

RECEIVED

JUL 12 1985

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

DIVISION OF OIL
GAS & MINING

Company Lomax Exploration Co. Well No. 13-20

Location Sec. 20 T5S R4W Lease No. 14-20-H62-3529

Onsite Inspection Date 01-15-85

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 at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered:

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 2,000 psi, and the annular-type preventer shall be tested to 1,500 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 adequately protect any fresh water or hydrocarbon 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

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

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. Anticipated Starting Dates and 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.

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.

Tank batteries will be placed on the east side of the location between points 1 and 8.

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 500 feet 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. Water and Construction Materials

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 reinforced nylon 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 on the southwest corner of the location between points 4 and 5.

The stockpiled topsoil will be stored on the northwest corner of the location near point No. 6.

Access to the well pad will be from the north between points 7 and 8.

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, subcontractors, vendors and their employees or agents may not disturb saleable timber

(including firewood) without a duly granted 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. If a plastic nylon reinforced liner is used, it should be torn and shredded before backfilling of the reserve pit.

All disturbed areas not required for production operations will be recontoured to the approximate natural contours.

Prior to reseedling, 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 seed mixture will be determined by the BIA at the time of restoration.

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

Wood permit from BIA needed. Cut and haul trees to Lomax headquarters to be evaluated by BIA forester for value of wood.

Push remaining wood (trees)/slash into drainage.

Winter shutdown between November 1 through April 1 for big game winter habitat. No drilling or construction activities allowed.

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.

"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.

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

Craig M. Hansen (801) 247-2318
Assistant District Manager
for Minerals

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

R. Allen McKee (801) 781-1368
Petroleum Engineer

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

3162.35
U-820
14-20-H62-3529

August 6, 1986

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

RE: Rescind Application for Permit to Drill
Well No. S Cottonwood Ridge 13-20
Section 20, T5S, R4W
Duchesne County, Utah
Lease No. 14-20-H62-3529

The Application for Permit to Drill the referenced well was approved on July 9, 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,

M. J. Hansen
for Craig M. Hansen
ADM for Minerals

mh

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



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

081411

August 13, 1986

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

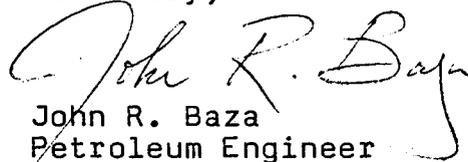
Gentlemen:

RE: Well No. S. Cottonwood Ridge Ute Tribal #13-20, Sec.20, T.5S,
R.4W, Duchesne County, Utah, API NO. 43-013-31065

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,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Vernal
D. R. Nielson
R. J. Firth
✓ Well file
0278T-95