

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **11-9-84**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-42449** INDIAN

DRILLING APPROVED: **11-11-84 - OIL**

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: **10309' GR**

DATE ABANDONED: **1-22-86 LA application rescinded**

FIELD: **3/86 UNDESIGNATED**

UNIT:

COUNTY: **DUCHE SNE**

WELL NO. **ANTELOPE**

LOCATION **521' FONL** FT. FROM (N) (S) LINE. **679' FWL** FT. FROM (E) (W) LINE. **APT #43-013-31029** **NW NW** 1/4 - 1/4 SEC. **23**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	15E	23	LOMAX EXPLORATION CO,				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-42449

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Antelope Canyon Federal

9. WELL NO.
#4-23

10. FIELD AND POOL, OR WILDCAT
Wildcat Undesignated

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 23, T9S, R15E

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

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
521' FNL & 679' FWL NW/NW
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14-1/2 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)	799'	16. NO. OF ACRES IN LEASE	711.22	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.	NA	19. PROPOSED DEPTH	6200' <i>Wanted</i>	20. ROTARY OR CABLE TOOLS	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6309' Ungraded Ground

22. APPROX. DATE WORK WILL START*
November 30, 1984

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

NOTE: Anticipated Bottom Hole Pressure is 2700 PSI.

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

DATE: 11/11/84
BY: [Signature]

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 Curry For G. L. Pruitt TITLE V.P. Drilling & Production DATE 11-6-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

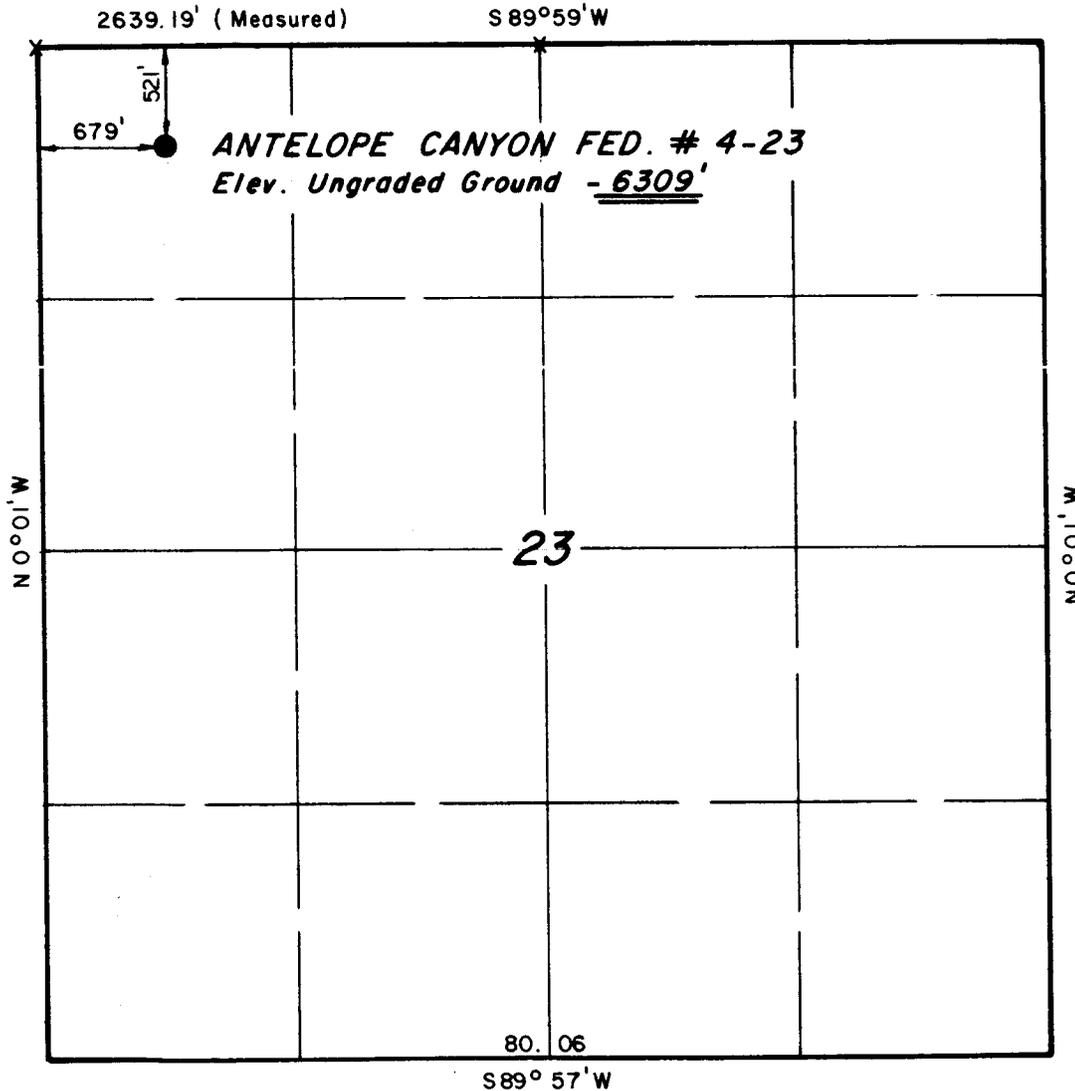
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T9S, R15E, S.L.B. & M.

PROJECT
LOMAX EXPLORATION CO.

Well location, ANTELOPE CANYON
FED. #4-23, located as shown in the
NW1/4 NW1/4 Section 23, T9S, R15E,
S.L.B. & M. Duchesne 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.

Richard J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	10/30/84
PARTY	GS DM RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	LOMAX

X = Section Corners Located

OPERATOR Lomax Exploration DATE 11-9-84
WELL NAME Antelope Canyon Fed. 4-23
SEC NW NW 23 T 9S R 15E COUNTY Darke

43-013-31029
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:

No other wells within 1000'
Need water permit

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE
- c-3-b c-3-c

STIPULATIONS:

1- 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

November 11, 1984

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

Gentlemen:

Re: Well No. Antelope Canyon Federal 4-23 - NWNW Sec. 23, T. 9S, R. 15E
521' FNL, 679' 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, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Blowout prevent equipment with a minimum of 3000 psi working pressure should be used after drilling out of 8 5/8" casing

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

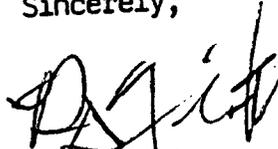
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. 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. Antelope Canyon Fed. 4-23
November 11, 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 43-013-31029.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

gl
Enclosures
cc: branch of Fluid Minerals

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
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 Lomax Exploration Company

3. ADDRESS OF OPERATOR
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 At surface
 521' FNL & 679' FWL NW/NW
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 14-1/2 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) 799'

16. NO. OF ACRES IN LEASE 711.22

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. NA

19. PROPOSED DEPTH 6200'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6309' Ungraded Ground

22. APPROX. DATE WORK WILL START*
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 Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 23, T9S, R15E

12. COUNTY OR PARISH 13. STATE
 Duchesne Utah

PROPOSED CASING AND CEMENTING PROGRAM

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NOTE: Anticipated Bottom Hole Pressure is 2700 PSI.

RECEIVED
 DEC 24 1984

DIVISION OF
 OIL, GAS & MINING



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24. SIGNED Paul Curry For G. L. Pruitt TITLE V.P. Drilling & Production DATE 11-6-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY Don Alvord TITLE ASSOCIATE DISTRICT MANAGER DATE 12-19-84
 CONDITIONS OF APPROVAL, IF ANY: _____

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
 *See Instructions On Reverse Side

Div OG&M

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Lomax Exploration Co. Well No. 4-23

Location Sec. 23 T9S R15E Lease No. U-42449

Onsite Inspection Date 10-31-84

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. 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 preventer 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 will adequately isolate and protect any fresh water and hydrocarbon zones encountered while drilling.

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 progress 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. 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

7. Planned Access Roads

- a. Width: 30' right-of-way.
- b. Drainage: Culverts as needed.

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

8. 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 northwest corner 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 anchored securely downstream of the meter. 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.

9. Source of Construction Material

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

Construction material will be located on lease.

10. Methods of Handling Waste Disposal

The reserve pit will not be lined. Optional--to be determined at a later date if a liner is needed.

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 an unlined 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.

11. Well Site Layout

The reserve pit will be located on the south side of the location between points 4 and 5.

The stockpiled topsoil will be stored on the west side of the location between points 7 and 8.

Access to the well pad will be from the east between points 2 and 3.

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

12. 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 for the reserve pit, it will be torn and shredded before backfilling of the reserve pit.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

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 BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Also, if broadcast, the seed mixture will be proportionately larger to total 14 lbs./acre.

The seed mixture will be determined by BLM at 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.

13. Surface and Mineral Ownership

BLM surface - Federal minerals.

14. Other Information

Diversion ditch on south, east, and west sides of the location drainage to the north.

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.



RECEIVED

NOV 09 1984

November 6, 1984

DIVISION OF OIL
GAS & MINING

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

Re: Antelope Canyon Federal #4-23
NW/NW Sec. 23, T9S, R15E
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 and Gas
4241 State Office Building
Salt Lake City, Utah 84114

TEN POINT WELL PROGRAM

LOMAX EXPLORATION COMPANY
Antelope Canyon Federal #4-23
NW/NW Sec. 23, T9S, R15E
Duchesne County, Utah

1. Geologic Surface Formation

Uinta formation of Upper Eocene Age

2. Estimated Tops of Important Geologic Markers

Uinta	Surface
Green River	1700'
Wasatch	6000'

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

Green River	5500'	Oil
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4. Proposed Casing Program
8-5/8", 24# J-55 casing; set @ 300'
5-1/2 17#, J-55 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 a Kelly Cock, and a T1W valve with drill pipe threads.

8. Testing, Logging and Coring Programs

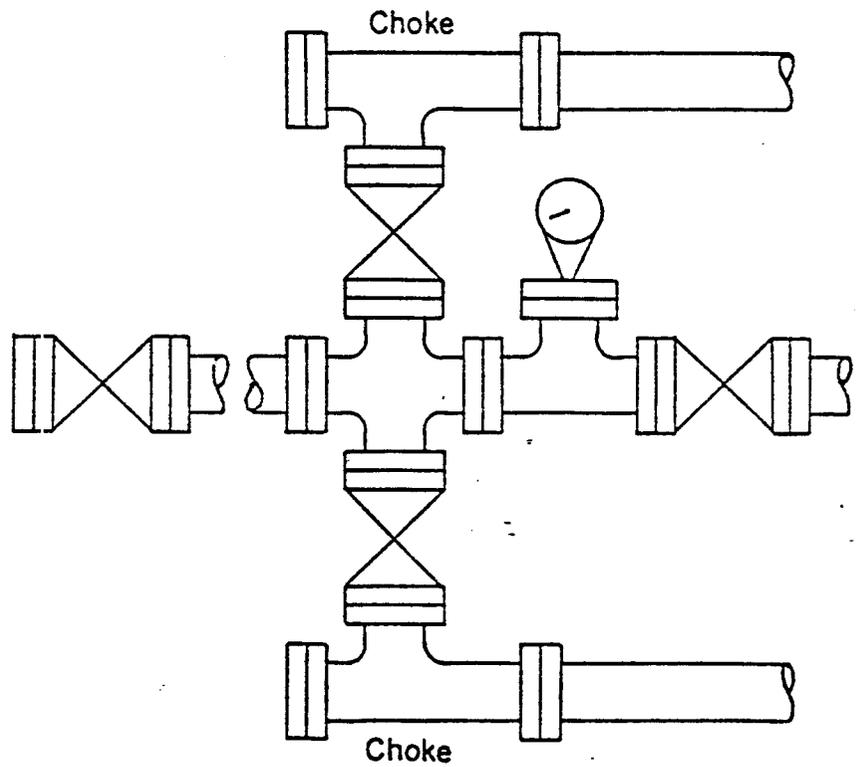
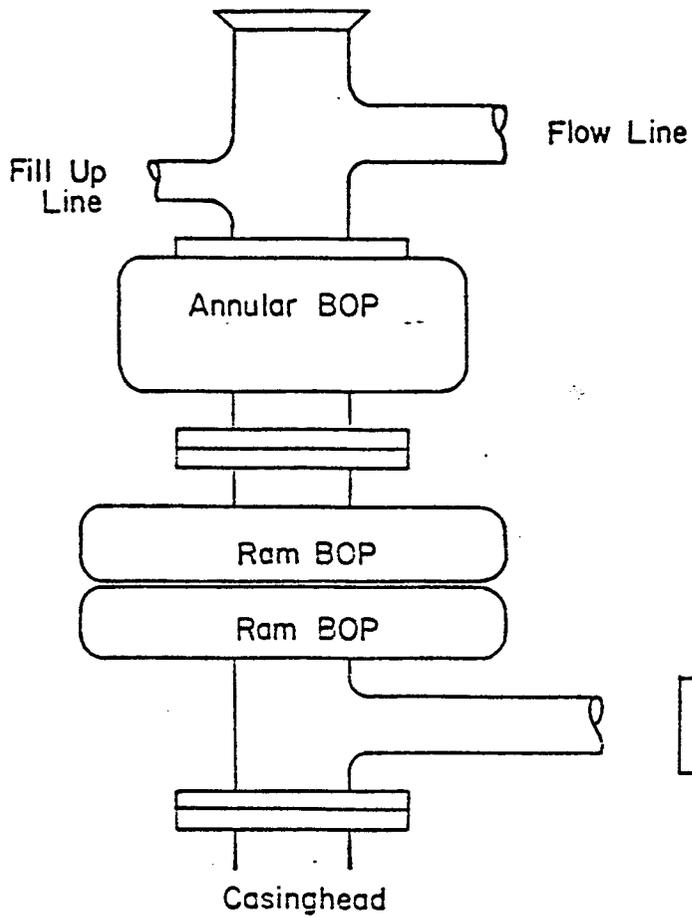
No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

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 November 30, 1984.



ALL EQUIPMENT 3000 PSI OR HIGHER WORKING PRESSURE

LOMAX EXPLORATION CO.
13 Point Surface Use Plan
For
Well Location
Antelope Canyon Fed. #4-23
Located In
Section 23, T9S, R15E, S.L.B. & M.
Duchesne County, Utah

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #4-23
Section 23, T9S, R15E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION CO. well location site Antelope Canyon Fed. #4-23 located in the NW 1/4 NW 1/4 Section 23, T9S, R15E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 - 1.6 miles + to the Junction of this Highway and Utah State Highway 53; proceed in a Southerly direction along Utah State Highway 53 - 3.6 miles to its junction with an existing dirt road to the Southwest; proceed Southwesterly along this road 2.3 miles to its junction with an existing dirt road to the South proceed Southerly along this road - 3.9 miles to its junction with an existing dirt road to the Southwest (to be upgraded); proceed along this road 2.3 miles to its junction with the proposed access road (to be discussed in item #2).

The highway mentioned in the foregoing paragraph are bituminous surfaced roads to a point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

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., 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 planned access road leaves the existing road described in Item #1 in the SW 1/4 SE 1/4 Section 14, T9S, R15W, 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.

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #4-23
Section 23, T9S, R15E, S.L.B. & M.

There will be no turnouts required along this road.

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

The lands involved in this action are under B.L.M. jurisdiction.

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

3. LOCATION OF EXISTING WELLS

There is approximately one known well within a one mile radius of this location site. (See Topographic Map "B".)

There are no known water wells, shut-in wells for other resources within a one mile radius.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no known existing LOMAX EXPLORATION 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 from a private water source.

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.L.M. District Manager 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 Green River is located approximately 20 miles to the Southeast 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.

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #4-23
Section 23, T9S, R15E, S.L.B. & M.

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")

Antelope Canyon Fed. #4-23 is located approximately 2.5 miles West of Wells Draw a non-perennial drainage which runs to the South.

The terrain in the vicinity of the location slopes from the South through the location site to the North at approximately 6.3% 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

LOMAX EXPLORATION CO.
Antelope Canyon Fed. -23
Section 23, T9S, R15E, S.L.B.& M.

13. CERTIFICATION

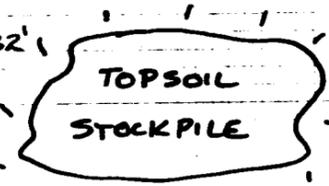
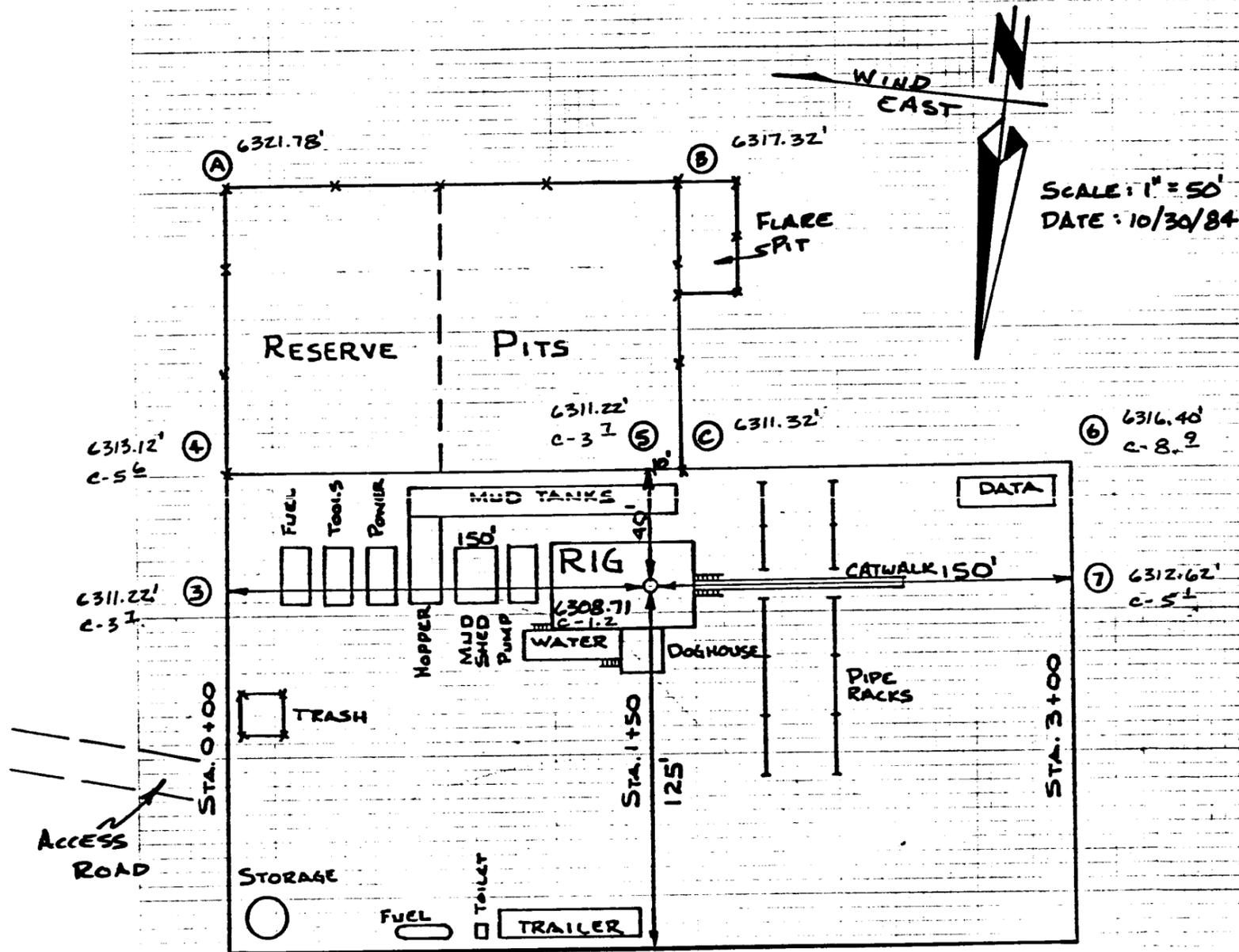
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with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

Date

11/6/84

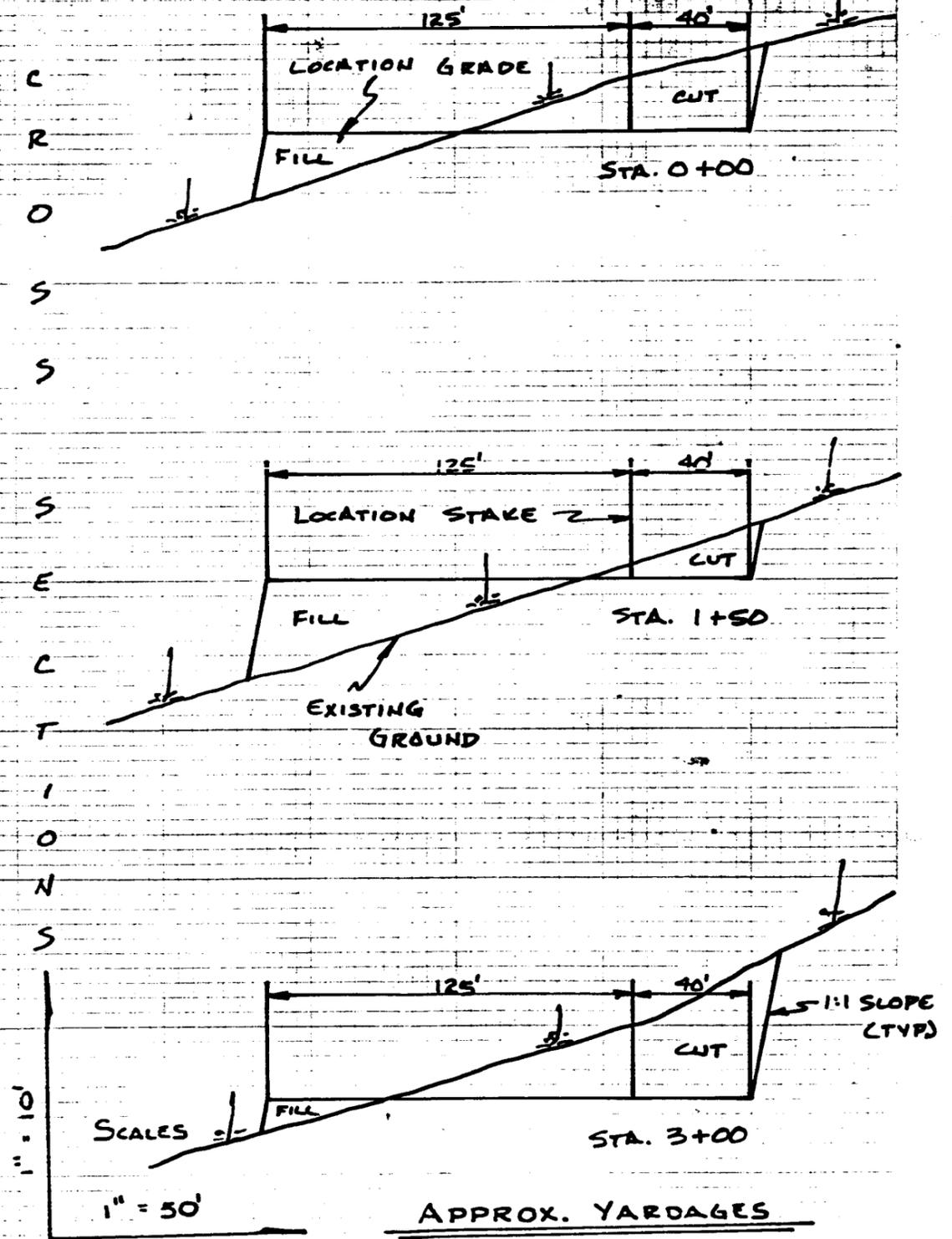
Paul Cuddy Feb
G.L. Pruitt

LOMAX EXPLORATION CO.
Antelope Canyon Fed. #4-23



SOILS LITHOLOGY

- No SCALE -



APPROX. YARDAGES
 CUBIC YARDS CUT =
 CUBIC YARDS FILL =

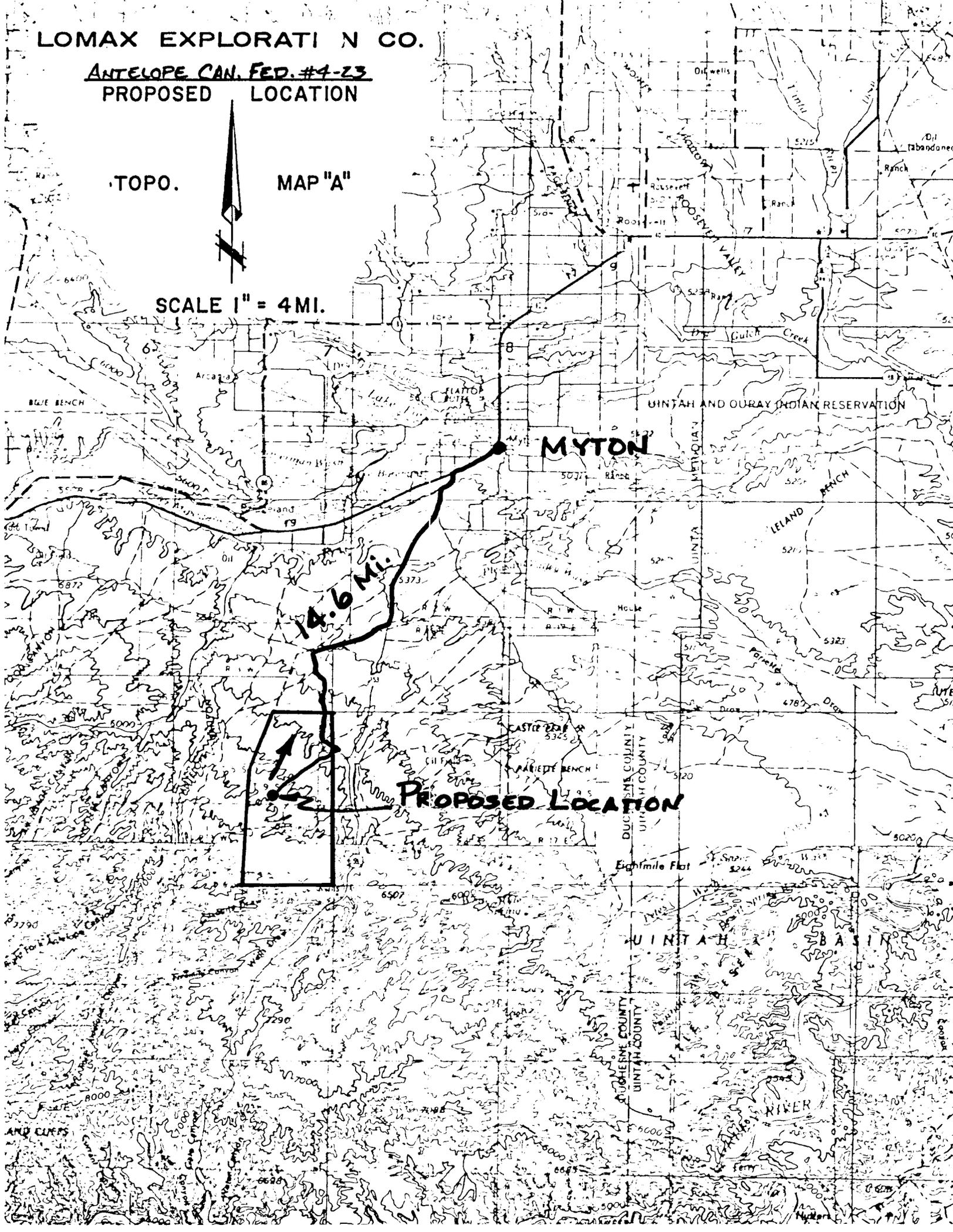
LOMAX EXPLORATION CO.

ANTELOPE CAN. FED. #4-23
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



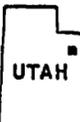
LOMAX EXPLORATION CO.
ANTELOPE CAN. FED. #4-23
PROPOSED LOCATION

Highway 53 - 2.8 Mi.
MYTON, UT. - 8.0 Mi.

TOPO. MAP "B"

SCALE 1" = 2000'

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



QUADRANGLE LOCATION

T8S
T9S

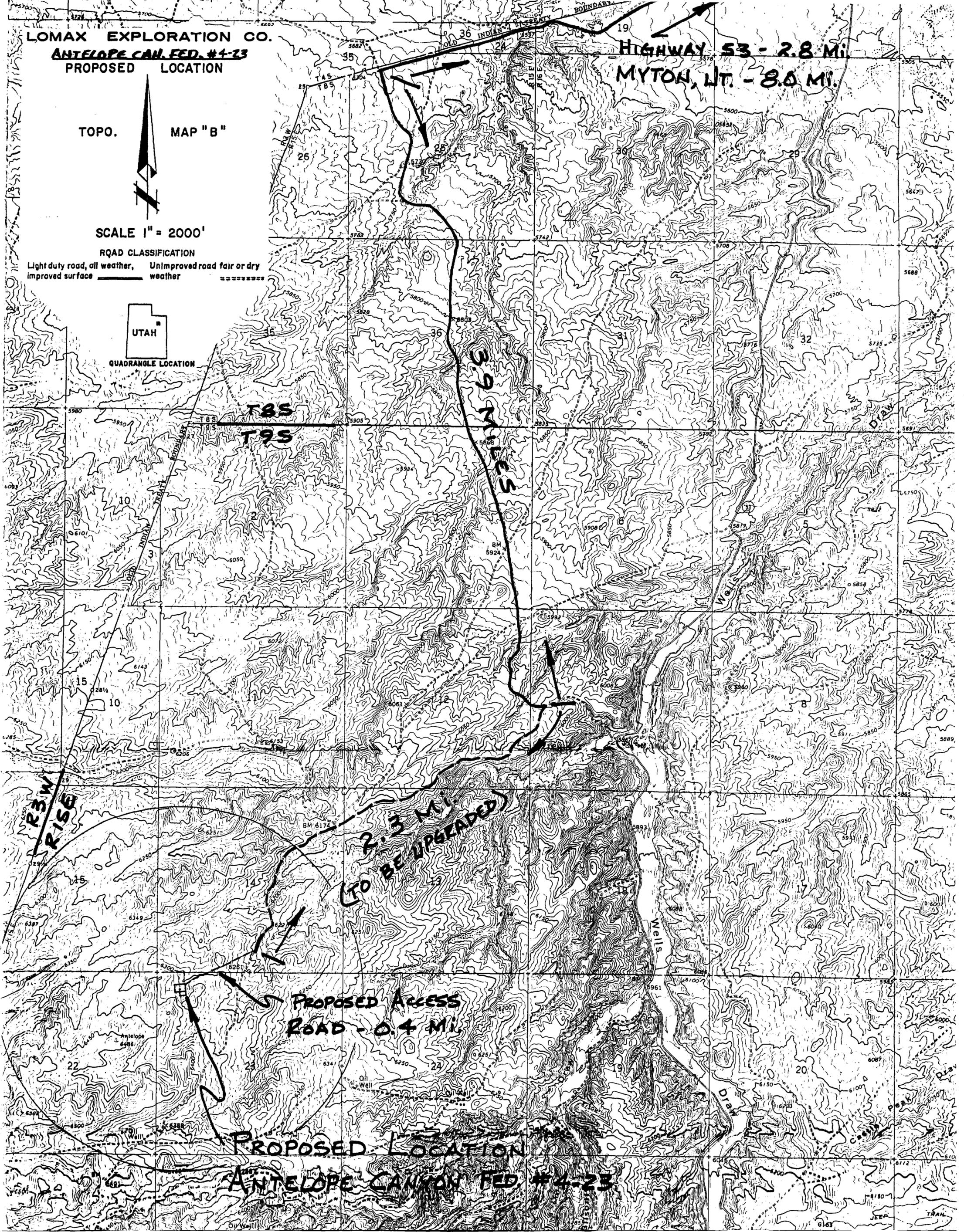
69 MILES

R3W
RISE

2.3 Mi.
(TO BE UPGRADED)

Proposed Access
Road - 0.4 Mi.

PROPOSED LOCATION
ANTELOPE CANYON FED #4-23



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

3162.35
U-320
U-42449

January 15, 1986

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

RE: Rescind Application for Permit to Drill
Well No. 4-23
Section 23, T9S, R15E
Duchesne County, Utah
Lease No. U-42449

The Application for Permit to Drill the referenced well was approved on December 19, 1984. 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
Jim Shaeffer-Roosevelt Office



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

January 17, 1986

Bureau of Land Management
Branch of Fluid Minerals
P O Box 970
Moab, Utah 84532

Attention: Ms. Carol Fruediger

Dear Carol:

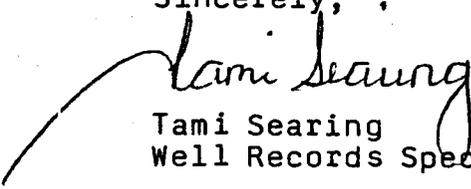
Re: Well No. Antelope Canyon Federal #4-23 - Sec. 23, T. 9S, R. 15E
Duchesne County, Utah - Lease No. U-42449
Operator of Record: Lomax Exploration Company

The above referenced well in your district was given federal approval to drill December 19, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely, .


Tami Searing
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0320/51



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

January 22, 1986

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

Gentlemen:

Re: Well No. Antelope Canyon Federal #4-23 - Sec. 23, T. 9S, R. 15E
Duchesne County, Utah - API 43-013-31029

In concert with action taken by the Bureau of Land Management, January 15, 1986, 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.

Sincerely,

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

John R. Baza
Petroleum Engineer

ts
cc: Dianne R. Nielson
Ronald J. Firth
File

0320/79



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

RECEIVED

FEB - 3 1986

IN REPLY
REFER TO:

3162
U-820

DIVISION OF OIL
GAS & MINING

January 30, 1986

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

Attention: Ms Tami Searing

RE: Requests on Status of Wells

The requests for status on the following wells were sent to the Moab District Office. You might want to change your records as these are located in the Vernal District.

<u>Referenced Well</u>	<u>Status</u>
1. Beartooth Oil & Gas Co. Well No. Fed. 3-23 Sec. 23, T12S, R21E Lease No. U-51033	Rescinded 1/15/86. Copy sent to your office.
2. Beartooth Oil & Gas Co. Well No. Fed. 2-22 Sec. 22, T12S, R21E Lease No. U-51032	Rescinded 1/15/86. Copy sent to your office.
3. Beartooth Oil & Gas Co. Well No. Fed. 1-13 Sec. 13, T12S, R21E Lease No. U-51029	Rescinded 1/15/86. Copy sent to your office.
4. Lomax Exploration Co. Well No. Antelope Canyon Fed. 4-23 Sec. 23, T9S, R15E Lease No. U-42449	Rescinded 1/15/86. Copy sent to your office.
5. Lomax Exploration Co. Well No. S.C. Ute Tribal 9-4 Sec. 4, T5S, R4W Lease No. 14-20-H62-3524	Rescinded 12/16/85. Copy sent to your office.

6. Lomax Exploration Co.
Well No. T.C. Ute Tribal 4-14
Sec. 14, T5S, R5W
Lease No. 14-20-H62-3423
7. Lomax Exploration Co.
Well No. W.Pariette Fed. 6-19
Sec. 19, T8S, R18E
Lease No. U-36846
8. Lomax Exploration Co.
Well No. Coyote Ute Tribal 16-8
Sec. 8, T4S, R4W
Lease No. I-109-IND-5351

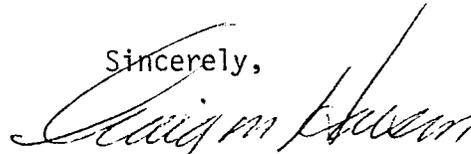
This application does not
expire until 2/11/86.

Extension request is in
the mail.

Extension request is in
the mail.

If you have any questions, please contact Margie Herrmann at the Vernal
District Office (801) 789-1362.

Sincerely,



Craig M. Hansen
ADM for Minerals