EXTRA COPY
DIRECTOR
RECEIVED JUN 26 1958
DATE | CODE

June 26, 1958
Re: DMEA 5066
Utex Exploration Co.
Cane Creek - Moab Area
Grand & San Juan Co's., Utah
$500,247.98 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

As in application DMEA 5064, the same interests now request assistance in prospecting a very large block of ground west, southwest, and south of Moab, Utah. The block is 12½ miles long and up to 5.7 miles wide.

The proposed irregularly and widely-spaced holes of Stage I (30 holes) would test the Chinle-Moenkopi contact zone. If successful in finding mineralization, offset holes would be drilled. Eighty such holes might be needed and are provided for in the estimate. The average depth of all holes is taken as 1,000 feet.

Again the drilling company, Moab Drilling Company, of which the president of the applicant company is also in control, is the lowest bidder, but the Field Team considers the lowest prices too high.

The Field Team also considers the program fantastic and not up to the requirements of DMEA.

The object of the prospecting is to locate uranium deposits in the Chinle-Moenkopi contact zone, in an area characterized by 3 prominent geologic features, (a) the King's Bottom syncline, (b) the Cane Creek anticline, and (c) a somewhat complicated structure related to the Moab-Spanish Valley graben.

The surface of the area as a whole is high in elevation and the outcropping beds are high stratigraphically compared to the Chinle-Moenkopi contact zone, hence the proposed uniformly

deep holes. However, the Colorado River on the northwest and Cane Creek on the southwest have cut through to the Moenkopi and miles of the contact zone are exposed in the rims. The applicant says one 'Chinle' deposit has been worked for several years-that of the Climax Uranium Company in Sec. 32, T26S, R21E, in the northeastern flank of the Cane Creek anticline. Otherwise, production has been small and, by inference, little is to be expected from holes along the southwestern border of the proposed project blocks.

Of the northeast border in which are the hypothisized pinchouts related to the upthrust along the southwest rim of Moab and Spanish Valleys, little exact information is probably available. In its application 5035, the Hidden Splendor Mining Company made the Chinle-Cutler pinchouts the particular feature for which to search by deep (2,600 feet) drilling northeast of the Lisbon Valley Fault. In this case, the possibilities of the favorable feature, if such it be, seems to have been disregarded in spotting the proposed holes. Perhaps the theory which has appealed to some geologists for some time does not appeal to the geologist of the present applicant, although the theory is supposed to hold in the Hidden Splendor-MiVida (Utex) mine areas.

If the presumed pinchouts, shown in the sections, are the product of valid assumptions, drilling along the northeast border of the project block may well be warranted.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

cc: DMEA (3)
James Paone
C.I. Gardner
Director's reading
Branch reading
Chron. file
Docket file

NENelson/mm
G-MD-6-26-58

REFERENCE SLIP

DEFENSE MINERALS EXPLORATION ADMINISTRATION

	INITIALS	DATE
& Files		7/2
2.		
3.		
4.		
5.		
FROM: Code 700		

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite X File

____ Instructions ____ Your information

REMARKS:

Please hold these extra copies in the event applicant requests further processing.

3 copies each comments by USGS & USBM
2 copies application

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cc: DMEA (3)
James Paone
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Director's reading
Branch reading
Chron. file
Docket file

NENelson/mm
G-MD-6-26-58

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NENelson/mm
G-MD-6-26-58

EXTRA COPY DMEA RECEIVED JUN 25 1958		
DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

Date June 24, 1958

DMEA Docket No. 5066
DMEA Contract No.
Commodity Uranium
Name of Applicant Utex Exploration Company
Name of Property Cane Creek - Moab Area
Location of property Grand & San Juan Co.s, Utah
Estimated cost of project $500,247.98

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: James Paone, Bureau of Mines Member
Uranium Commodity Committee
Subject: Review of Application
(Applications, Field Team Report, etc.)

1. Date of subject document: 6/16/58 2. Date received by reviewer: 6/23/58

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked 'yes' above:

8. Factors needing special consideration:

a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs
h. ☐

9. Action advised:

a. Obtain information from applicant ☐
b. Refer to Field Team X
c. Denial ☐
d. Agree with Field Team ☐
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another consultation ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC Office

10. Remarks: (Use back of page if necessary) The entire project appears to be very ambitious; the drilling is widely spaced and road building seems excessive. The potential is great but it may be determined with a modified program if warranted.

EXTRA COPY DMEA RECEIVED JUN 27 1958		
DATE	[illegible]	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

Date June 24, 1958

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e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs
h. ☐

9. Action advised:

a. Obtain information from applicant ☐
b. Refer to Field Team ☒
c. Decline ☐
d. Agree with Field Team ☐
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another consultation ☐
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EXTRA COPY
DMEA
RECEIVED

224 New Customhouse
Denver 2, Colorado
June 19, 1958

Memorandum

To: Secretary to the Operating Committee

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Utex Exploration Company (Cane Creek - Moab Area) Grand and San Juan Counties, Utah

Enclosed are three copies of the subject application in the amount of $500,247.98. One copy of the application is being retained in our file.

The Applicant proposes a two stage drilling program which would prospect an area covering approximately 50 square miles.

Stage I consists of drilling 30 holes averaging 1,000 feet in depth, preparation of 18.7 miles of new roads and the repair of 24 miles of old road.

Stage II consists of drilling 80 holes averaging 1,000 feet in depth and the preparation of 37.5 miles of new roads.

Three drilling bids accompany the application, and all bids are high.

The program as outlined by the Applicant appears to be fantastic and does not meet the present requirements of DMEA.

Original signed by
J. W. TOWNSEND
J. W. Townsend

HMC:dp

cc: Harshman
Nasler
Robertson
DMEA/DFC
Docket
Chron.

EXTRA COPY
DMEA
RECEIVED JUN 23 1958
DATE CODE

224 New Customhouse
Denver 2, Colorado
June 19, 1958

Mr. Charles A. Steen, President
Utex Exploration Company
P. O. Box 487
Moab, Utah

Re: Application for DMEA Aid (Uranium)
Utex Exploration Company
(Cane Creek-Moab Area)
Grand and San Juan Counties, Utah

Dear Mr. Steen:

This will acknowledge receipt of the captioned application which is being forwarded the Washington Office, DMEA, for further processing.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Alternate Acting
Executive Officer
DMEA Field Team,
Region III

EMC:dp

cc: Sec. Op. Comm. 2
Marshman
Hasler
Robertson
DMEA/DPC
Docket
Chron.

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Utex Exploration Company
Box 487
Moab, Utah

DMEA
DEPARTMENT OF THE INTERIOR
JUN 18 1958
REGION III
DENVER, COLORADO

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA - 5066
Date Received: 6-23-58
Government Participation %:
Region: III
Division Code: 700

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [X]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized: Utah

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Charles A. Steen	Box 487, Moab, Utah	President
W.R. McCormick	"	Vice-President
Mitchell Melich	"	Secretary
Maxine Steen Boyd	"	Treasurer

Mineral(s) for which you wish to explore: Uranium

Estimated Cost of Project: $ 500,247.98

LOCATION OF PROPERTY

Name	County	State
Cane Creek-Moab Area	Grand & San Juan	Utah

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

16 June 1958
Dated

Charles A Steen
BY *(Signature)*

President
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations, if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

Note – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. *(a)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

EXTRA COPY
DMEA
RECEIVED JUN 23 1958

DATE	INITIALS	CODE

APPLICATION FOR AID IN AN

EXPLORATION PROJECT

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Submitted by

UTEX EXPLORATION CO.

MOAB, UTAH

EXTRA COPY
DMEA
RECEIVED JUN 02 1958
CODE

ARTICLE 1 -- APPLICANT'S PROPERTY RIGHTS

Section 1(a)

The project land to be considered in this application consists of 1,390 claims or fractions thereof located in the following areas of San Juan County, Utah, T28S, R22E, T27S, R22E, T27S, R21E (940 claims) and the following areas in Grand County, Utah, T26S, R22E and T26S, R21E (450 claims). Other information, including book and page number of claim recording is included on the sixteen pages in the appendix of this application.

Section 1(b)

The property area as a whole does not have a specific name, but is for purposes of application called the Cane Creek - Moab Area.

Section 1(c)

This property is held by the Utex Exploration Company by virtue of mining claim deeds of May 31, 1958 from E. Wolf Miner, Houston, Texas. One exact copy of which is submitted in the appendix of this application.

Section 1(d)

There are no liens, mortgages or other encumbrances on this property.

ARTICLE 2 -- PHYSICAL DESCRIPTION

Section 2 (a,b,c,d)

There has been no known uranium production from the Triassic Chinle in the area; however, the Climax Uranium Company has operated a Chinle mine in Sec. 32, T26S, R21E for several years. South of the area under consideration, on Blue Hill, several small deposits have been exploited. In Cane Creek canyon, on the west, a number of underground excavations have been made along mineralized faults, mostly in the Cutler formation. The Monte Cristo Uranium Company workings are presently inactive, and statistical records of the production are not available.

Section 2(e)

The area on which exploration is proposed covers approximately 50 square miles and extends from Blue Hill, on the south, to the Colorado River and from Cane Creek canyon east to the Moab and Spanish Valleys. The outcropping geologic formations include the normal sequence from the Triassic Chinle to the Jurassic Entrada. A Comparatively small area of Chinle occurs in the northeast part of Sec. 30, T27S, R22E (see geologic map.) About one mile west of this outcrop a thickness of 353 feet was measured; here the formation is composed of red siltstone and sandstone in the upper half and grayish green sandstone and siltstone in the lower half with some thin layers of limy conglomate near the bottom. The average thickness of the Chinle in Cane Creek canyon is 272 feet; however a recently (3/58) completed hole in Sec. 5, T27S, R22E, about 3 miles east of Cane Creek canyon, contained 535 feet of Chinle. The Wingate is a massive buff to light brown sandstone having an average thickness of 300 feet. The Kayenta formation ranges in thickness from 179 to 352 feet and averages 247 feet. It is essentially a thin bedded, coarse grained, red-brown to lavender sandstone with some thin muddy streaks near the top. It crops out on about one third of the claims. The Navajo sandstone is medium to fine grained, yellowish white to brown, tangentially cross bedded, massive and has a thickness of 300 feet. It covers the major part of the area. The Carmel formation is a reddish brown, muddy sandstone with white to purple chert and having uniformly poor horizontal bedding; it is about 100 feet thick. The Entrada is a massive reddish brown sandstone about 300 feet thick. The Entrada formation covers only a very small area in Sec. 22, T27S, R22E. Structurally, the area occupies both anticlinal limbs and the trough of the NW plunging King's Bottom syncline. As the NE limb approaches the Spanish Valley anticline, it is faulted forming the 1200-1400 foot scarp trending along the west side of Moab Valley.

The SW limb of the syncline merges into the NE limb of the Cane Creek anticline, the crest of which is breached by one of the principal streams of the district forming a canyon some 1200 feet deep. At the SE end of the property, a series of NE striking normal faults apparently have the effect of interrupting the folded structures to the NW. In a similar manner, the Trough Springs fault terminates the Cane Springs anticline on the southeast.

Section 2(f)

During the past several years, considerable geologic knowledge has been brought to bear on the exploration for uarnium deposits; as a result, the U.S.G.S. in Professional Paper 300 has set down certain guides. The more pertinent ones are as follows:

Structural Features

Low anticlines, domes or other features showing abrupt changes in dip of permeable host rock below an impermeable cap; channels in a relatively impermeable formation below the channel-filling sandstone host rock; faults, fractures and shears cutting porous beds; zones of sandstone interfingering with shale; thickened parts of lenses.

Lithologic Features

Cross bedded, medium to coarse grained, variable textured sandstone; carbonaceous sandstone and shale; clay pellet conglomerate and sandstone; red shales or siltstones altered to grey, green or white below sandstone; abundant Fe and Mn concretions; arkosic rock.

Mineralogic Features

Yellow or green incrustations or grains; Jarosite; Fe and Mn carbonates; Vanadium, Silver or Copper minerals; carbon, in addition to uranium minerals.

Chemical Features

Unusual quantities of V., As, Se, Mo, Zn, Cu, Co, Ni, Mn, Fe, Ra, He in rocks, soils, surface and sub-surface waters; silicification of sandstones and shales enclosing carbonate-cemented sandstone.

It appears well established that in productive districts certain combinations of the guides are peculiar to certain areas. For example in the Big Indian district, the U.S. Bureau of Mines Information Circular 7669 states, "the greatest concentration of ore in the Utex mine is 1500 ft. down dip from the rim rock, in basal sandstones of the Triassic Chinle formation that are conglomeratic in many places -- this indicates that the ore body follows the strike of the beds along the flank." In addition to the above observation on the structure and lithology, practically all the chemical and mineralogic guide features mentioned have been noted in Big Indian. In the exploration of a virgin area, it appears logical to begin by applying information obtained from the best known productive district.

The primary purpose for the acquisition of the area as described in this application (Article 1a) was to obtain lands which appear to have a uranium mineral potential similar to those of the Big Indian Wash area. The most obvious similarity between the areas is one of a certain degree of comparable structural features. Specific structural features in the claims area may or may not be regionally related to structural extensions from the Lisbon Valley - Big Indian area. The extension and correlation of such features as the Disappointment Syncline to the Kings Bottom syncline and Attendant anticlines will depend in part upon the interpretation of geologic features in the Blue Hill - Cane Springs area. As such, the southwestern flank of the Moab Anticline and the northeastern flank of the Cane Creek Anticline merits considerable exploratory attention.

In addition to certain structural conditions, a favorable lithologic environment is needed for the deposition of uranium. Although the specific lithologic character of the lower Chinle (ore horizon) is unknown within a great part of the claims area, the outcrops in the adjacent Cane Creek area are favorable for uranium deposition.

In summary, the area described in this application offers a particularly favorable structural environment and in combination with the proper lithology should be conducive to the deposition of uranium.

Section 2(g)

The following maps and sections are included in the envelope of this application:

1 Geologic map with outer claim boundaries

1 Claims map with 30 proposed drill hole locations, existing and proposed roads

1 Geologic sections

ARTICLE 3 -- ACCESSIBILITY OF PROJECT

Section 3(a)

Mr. Max D. Pierson, or other geologist from the Utex Exploration Company of Moab, Utah will guide the D.M.E.A. field examining team. The property is readily accessible from Moab by traveling south on U. S. route 160 about 12 miles to the top of Blue Hill, then turn right about 2 miles northwest on a one way unsurfaced road to the south end of the property. A network of similar roads extend over the entire area.

Section 3(b)

Ore would be disposed of at the Uranium Reduction Company mill in Moab, Utah, about 20 miles away. Crescent Junction, Utah is the nearest rail point, about 55 miles north on the D. & R.G.W. Railroad. Housing and all the principal drilling and mining supplies are available in Moab, Utah.

ARTICLE 4 -- THE EXPLORATION PROJECT

Section 4(a)

It is proposed to prospect the lower Triassic Chinle formation for uranium deposits by drilling from the surface. In the initial stage 30 - 3½ inch holes would be put down at the locations shown on the claims and drill hole map. These holes would have an average estimated depth of 1000 ft. and be wet or dry plug drilled to within 40 ft. of the bottom, then diamond cored with an NX bit.

Section 4(b)

Approximately 18.7 miles of new access roads will be required in phase I of this project. Depending upon the results of phase I drilling, and additional 37.4 miles of access roads would be constructed in phase II. The location of the new roads of phase I are shown on the claims and drill hole map.

Section 4(c)

In the event that this DMEA application is approved, work will start within 15 days or less. The total time required would depend upon the number of drill rigs in operation. It is anticipated that at least two rigs would be available. At normal drilling rates 60 days would be required to complete phase I.

ARTICLE 5 -- EXPERIENCE

Section 5(a)

The operation of this project will be supervised by the staff of of the Utex Exploration Company, Box 487, Moab, Utah. The president and chief geologist of this company is Mr. Charles A. Steen. This firm has had wide experience in both foreign and domestic exploration and in the operation of the Mi Vida Mine in the Big Indian Wash area. Mr. W. R. McCormick, vice president of the Utex Exploration Company is a banker and president of the Standard Uranium Co. Mr. Mitchell Melich, secretary of the Utex Exploration

Company, is also president of the Uranium Reduction Company, Moab, Utah.

ARTICLE 6 -- ESTIMATE OF COSTS

Section 6(a) - Independent Contracts

All exploration work will be done by independent drilling contract. Three bids for this work are attached to this application.

The following cost estimates for the drilling and road work have been made:

Phase I

Preparation of new roads, 18.7 miles

Tractor hours - 1,016 @ $12.00 per hr.	$12,192.00
Compressor & operator hrs. 532 @ $7.38/hr	3,926.16
Dynamite, 225 bxs. @ $17.00 ea.	3,825.00
	$19,943.16

Repair of old roads, 24 miles

Tractor hrs. - 48 @ $12.00 per hr.	$ 576.00

Transportation charges

Drill rig and water truck @ $1.25 per mile, total round trip distances - 90 miles	$ 112.50
Tractor & compressor transportation, 90 mi. @ $.75 per mile	$ 67.50

Drill Site Preparation

Tractor hrs. per location - 16 hrs. @ $12.00 per hr.	$ 208.00
Compressor hrs. - 16 hrs. @ $7.38/hr.	$ 144.00
Dynamite - 1.5 bxs. @ $17.00 per box	$ 25.75
	377.75
Preparation of 6 difficult drill sites @ $377.75 ea.	$2,266.50

Hole Drilling

The cost per foot of plug or diamond drilling in the Moab area depends upon the depth of such action. The estimated cost of a 1000 foot hole is as follows:

Plug drilling, 0'-200' @ $2.75/ft.	$ 550.00
Plug drilling, 200'-400' @ $2.85/ft.	$ 570.00
Plug drilling, 400'-600' @ $2.95/ft.	590.00
Plug drilling, 600'-800' @ $3.05/ft.	610.00
Plug drilling, 800'-960' @ $3.25/ft.	521.00
NX Core drilling, 960-1000' @ $9.00/ft.	360.00
	$3,201.60

Cost of drilling 30 holes, ave. depth 1000 ft. with 960 ft. of plug drilling and 40 ft. of NX core drilling = 30 x $3,201.60 = $96,048.00

Services

Engineering and geological services may or may not be provided in the independent drilling contract. Such services should include

(a) supervision of drilling operations, logging and splitting of all core

(b) Probing of holes

(c) Certified wet chemical analysis of uranium, calcium and vanadium

(d) Preparation of a drill hole location map

(e) Preparation of ore reserve maps if required

(f) Core boxes, NX size

It is estimated that the cost of the above services would be $.50 per foot of hole drilled, hence .50 x 30,000 ft. = $15,000.00

Summary of Phase I Costs

Preparation of new roads, 18.7 miles	$19,943.16
Repair of old roads, 24.0 miles	576.00
Transportation of drill rig and water truck	112.50

Transportation of compressor and tractor	$ 67.50
Preparation of 6 drill sites	2,266.50
Drilling of 30 holes	96,048.00
Services (engineering, assays, etc.)	15.000.00
TOTAL ESTIMATED COST OF PHASE I	$134,013.66

Phase II - Costs, Independent contracts

Within a total project of this size, the amount of money to be expended in phase II will depend upon the extent of uranium mineral discovery in phase I; hence, the cost estimates of phase II are in part relative. Based on the unit costs of phase I, the following estimated for phase II are submitted:

Phase II

Drilling of 80 holes, 1000 ft. deep @ $3,201.60 ea.	$256,128.00
Preparation of 80 drill sites @ $377.75 ea.	30,220.00
Preparation of new roads, 37.5 mi.	39,886.32
Technical services @ $.50 per foot	40,000.00
TOTAL ESTIMATED COST OF PHASE II	$366,234.32

Total Estimated Cost of Project

Total cost of phase I, 30 holes	$134,013.66
Total cost of phase II, 80 holes	366,234.32
	$500,247.98

Section 6(b) -- Personal Services

Supervision, engineering, geological and other services are available from the independent drilling contractor, as noted in Section 6(a) at the rate of $.50 per foot of hole drilled.

Section 6(c) -- Operating Materials and Supplies

None

Section 6(d) -- Operating Equipment

None

Section 6(e) -- Initial Rehabilitation and Repairs

None

Section 6(f) -- New Building, etc.

None

Section 6(g) -- Miscellaneous

None

ARTICLE 7

Section 7(a)

The Utex Exploration Company is prepared to share the exploration costs as defined in D. M. E. A. Order I, amended.

Section 7(b)

The Utex Exploration Company is prepared to share the above mentioned costs by providing money.

CONTRACT DRILLING BID FORM

DRILLING:

Bid price is for hole completed to 5 ft. below the lower ore horizon contact, cleaned for probing. Coring, when required, shall be at a minimum size of NX.

ROCK BIT				CORING			
0 -	200 ft.	@ $ 2.75	per ft.	0 -	200 ft.	@ $ 5.50	per ft.
200 -	400 ft.	@ $ 2.85	per ft.	200 -	400 ft.	@ $ 6.00	per ft.
400 -	600 ft.	@ $ 2.95	per ft.	400 -	600 ft.	@ $ 6.50	per ft.
600 -	800 ft.	@ $ 3.05	per ft.	600 -	800 ft.	@ $ 7.50	per ft.
800 -	1,000 ft.	@ $ 3.25	per ft.	800 -	1,000 ft.	@ $ 9.00	per ft.
1,000 -	1,100 ft.	@ $ 3.45	per ft.	1,000 -	1,100 ft.	@ $ 11.00	per ft.
1,100 -	1,200 ft.	@ $ 3.65	per ft.	1,100 -	1,200 ft.	@ $ 13.00	per ft.

ACCESS ROAD CONSTRUCTION:

Bulldozer with Operator D-6 Cats $ 12.00 per hr.
Compressor & Jackhammer & Operator & 125 C.F.M. $ 7.38 per hr.

GEOLOGICAL-ENGINEERING SERVICES:

Logging & report on core and/or cuttings
~~[illegible]~~
Location of holes
Survey location of hole with collar elevation
Splitting core; 1/2 for analysis, 1/2 for storage
Ore reserve calculation, including map
Geologic information of adjacent properties

All above included per ft. $ .50

Standby time w/3 man crew @ $ 25.00 per hour

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DMEA
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DATE | INITIALS | CODE

Moab Drilling Co.
Ray Medlock
Ray Medlock

RM/tjh

CONTRACT DRILLING BID FORM

DRILLING:

Bid price is for hole completed to 5 ft. below the lower ore horizon contact, cleaned for probing. Coring, when required, shall be at a minimum size of NX.

ROCK BIT		CORING	
0 - 200 ft.	@ $300 per ft.	0 - 200 ft.	@ $600 per ft.
200 - 400 ft.	@ $400 per ft.	200 - 400 ft.	@ $800 per ft.
400 - 600 ft.	@ $500 per ft.	400 - 600 ft.	@ $900 per ft.
600 - 800 ft.	@ $600 per ft.	600 - 800 ft.	@ $1000 per ft.
800 - 1,000 ft.	@ $700 per ft.	800 - 1,000 ft.	@ $1100 per ft.
1,000 - 1,100 ft.	@ $800 per ft.	1,000 - 1,100 ft.	@ $1200 per ft.
1,100 - 1,200 ft.	@ $900 per ft.	1,100 - 1,200 ft.	@ $1300 per ft.

ACCESS ROAD CONSTRUCTION:

Bulldozer with Operator	$16.00 per hr.
Compressor & Jackhammer	$ 12.50 per hr.

GEOLOGICAL-ENGINEERING SERVICES:

Logging & report on core and/or cuttings
Gamma ray logging
Location of holes
Survey location of hole with collar elevation
Splitting core; 1/2 for analysis, 1/2 for storage
Ore reserve calculation, including map
Geologic information of adjacent properties

All above included $

Pioneer Drilling Co.
Box 471
Moab, Utah

J. F. Costanza

June 10, 1958

To: Vivian Drilling Co.
Moab, Utah

CONTRACT DRILLING BID FORM

PROPERTY LOCATION:

This property, consisting of mining claims located in both Grand and San Juan Counties, Utah may be reached via U. S. 160 southeast of Moab to Blue Hill, hence 2 miles southwest on unimproved roads to the field area. Specifically the claims are located in Grand County, T26S R22E and T26S R21E also in San Juan County T28S R22E and T27S R21E and T27S R22E.

HOLE DEPTH AND NUMBER:

Approximately 30 holes in Phase I to be drilled in sandstone to a depth of 1,000 feet.

DRILLING:

Bid price as for hole completed 5 ft. below the lower ore horizon contact, cleaned for probing. Coring, when required, shall be at a minimum size of BX.

ROCK BIT		CORE BIT	
0 to 200 ft.	@ $3.50 per ft.	0 to 200 ft.	@ $5.50 per ft.
200 to 400 ft.	@ $3.65 per ft.	200 to 400 ft.	@ $ 6.00 per ft.
400 to 600 ft.	@ $3.85 per ft.	400 to 600 ft.	@ $7.50 per ft.
600 to 800 ft.	@ $4.10 per ft.	600 to 600 ft.	@ $9.00 per ft.
800 to 1000ft.	@ $4.50 per ft.	800 to 1000ft.	@ $11.00 per ft.
1000 to1100 ft	@ $5.00 per ft.	1000 to 1100ft.	@ $12.00 per ft.
1100 to1200 ft.	@ $5.75 per ft.	1100 to 1200ft.	@ $13.00 per ft.
Standby time	$15.00 per hr.	Standby time	$15.00 per hr.

ACCESS ROAD CONSTRUCTION:

Bulldozer with operator	$12.50 per hr.
Compressor and Jackhammer	$ 8.50 per hr.

GEOLOGICAL ENGINEERING SERVICES:

Logging and report on core and/or cuttings
Locations of holes
Survey location of hole with collar elevation
Splitting core; 1/2 for analysis, 1/2 for storage
Ore reserve calculation, including map
Geologic information of adjacent properties

All above included $1750.00 per Mo.

Gamma ray logging — cost plus 10%

REAMING FOR CASING AND CEMENTING

0 to 500 ft.	$2.75 per ft.
500 to 750 ft.	$3.50 per ft.
750 to 1200 ft.	$5.00 per ft.
Installing and pulling casing	$15.00 per hr.
Casing	Invoice plus freight.
Cementing and drilling out cement	$6.50 per ft.

Vivian Drilling Co

By C. B. Vivian

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Utex Exploration Company

Moab, Utah

Supplemental sheet to Form MF-103

1(a) The project land consists of the following unpatented claims, recorded at County Reocrder's office, Monticello, Utah, located in San Juan County, Utah:

Township 28 South, Range 22 East SLM

Name	Sec.	Book	Page
AA63	3	206	335
BB63	"	"	334
CC61	"	"	"
DD61	"	"	"
DD66	"	"	390
CC67	"	"	"
DD68	"	"	391
DD67	"	"	"
CC66	"	"	390
DD64	"	"	389
DD65	"	"	"
CC65	"	"	"
CC64	"	"	"
CC63	"	"	388
DD63	"	"	"
CC62	"	"	387
DD62	"	"	"
BB64	"	"	"
AA65	"	"	386
AA64	"	"	"
BB65	"	"	"
BB62	"	"	370
BB61	"	"	"
AA62	"	"	"
BB60	"	"	371
AA60	"	"	"
AA61	"	"	"
CC59	"	"	372
CC60	"	"	"
DD60	"	"	"
DD59	"	"	373
BB74	4	"	379
AA74	"	"	"
AA73	"	"	380
BB75	"	"	"
AA75	"	"	"
AA72	"	"	381
BB72	"	"	"
BB73	"	"	"
AA70	"	"	382
AA71	"	"	"

Name	Sec.	Book	Page
BB71	4	206	382
BB70	"	"	383
BB69	"	"	"
AA69	"	"	"
AA68	"	"	384
AA67	"	"	"
BB68	"	"	"
BB67	3	"	385
BB66	"	"	"
AA66	"	"	"
DD69	4	"	392
CC68	"	"	391
CC70	"	"	392
CC69	"	"	392
DD70	"	"	393
DD71	"	"	"
CC71	"	"	"
CC73	"	"	394
DD72	"	"	"
CC72	"	"	"
DD74	"	"	395
CC74	"	"	"
DD73	"	"	"
DD75	"	"	396
CC75	"	"	"
CC76	5	"	339
CC77	"	"	338
CC78	"	"	"
CC79	"	"	337
CC80	"	"	336
CC81	"	"	"
CC82	"	"	335
CC83	"	"	379
DD76	"	"	339
DD77	"	"	338
DD78	"	"	337
DD79	"	"	339
DD81	"	"	336
DD80	"	"	337
DD82	"	"	335
DD83	5	"	378

Township 28 South, Range 22 East SLM

Name	Sec.	Book	Page
CC84	5	206	378
AA76	"	"	377
DD84	"	"	378
BB76	"	"	377
AA77	"	"	"
BB77	"	"	376
BB78	"	"	"
AA78	"	"	"
AA79	"	"	375
BB80	"	"	"
BB79	"	"	"
AA80	"	"	374
AA81	"	"	"
BB81	"	"	"
BB82	"	"	373
AA82	"	"	"

Township 27 South, Range 21 East, SLM

T93	12	212	73
T94	"	"	"
T95	"	"	74
T96	"	"	"
T97	"	"	"
T98	"	"	75
T99	"	"	"
T100	"	"	"
T101	"	"	76
T102	"	"	"
U94	"	"	79
U95	"	"	"
U96	"	"	"
U97	"	"	80
U98	"	"	"
U99	"	"	"
U100	"	"	81
U101	"	"	"
U102	"	"	"
V94	"	"	82
V95	"	"	"
V96	"	"	"
V97	"	"	83
V98	"	"	"
V99	"	"	"
V100	"	"	84
V101	"	"	"
V102	"	"	"
W94	12	212	85
W95	"	"	"
W96	"	"	"
W97	"	"	86
W98	"	"	"
W99	"	"	"
W100	"	"	87
W101	"	"	"
W102	"	"	"
X94	1	"	88
X95	"	"	"
X96	"	"	"
X97	"	"	89
X98	"	"	"
X99	"	"	"
X100	"	"	90
Y94	"	"	"
Y95	"	"	"
Y96	"	"	91
Y97	"	"	"
Y98	"	"	"
X99	"	"	92
Y100	"	"	"
Z94	"	"	93
Z95	"	"	"
Z96	"	"	94
Z97	"	"	"
Z93	"	"	92

Township 27 South, Range 22 East SLM

X75	4	208	541
Y75	"	"	546
W76	5	"	535
X76	"	"	541
X77	"	"	542
X78	"	"	"
X79	"	"	"
X81	"	"	543
X84	"	"	"
Y76	"	"	547
Y77	"	"	"
Y78	"	"	"
Y79	"	"	548
Y81	"	"	"
Y84	"	"	"
X85	6	"	543

Township 27 South, Range 22 East SLM

Name	Sec.	Book	Page
X86	6	208	544
X87	"	"	"
X88	"	"	"
X89	"	"	545
X90	"	"	"
X91	"	"	"
X92	"	"	546
X93	"	"	"
Y85	"	"	549
Y86	"	"	"
Y87	"	"	"
Y88	"	"	550
Y89	"	"	"
Y90	"	"	"
Y91	"	"	551
Y92	"	"	"
Y93	"	"	"
T85	7	206	397
T86	"	"	396
T87	"	212	71
T88	"	"	"
T89	"	"	72
T90	"	"	"
T91	"	"	"
T92	"	"	73
U85	"	206	397
U86	"	"	"
U87	"	212	76
U88	"	"	77
U89	"	"	"
U90	"	"	"
U91	"	"	78
U92	"	"	"
U93	"	"	"
V85	"	208	528
V86	"	"	529
V87	"	"	"
V88	"	"	"
V89	"	"	530
V90	"	"	"
V91	"	"	"
V92	"	"	331
V93	"	"	"
W85	"	"	538
W86	"	"	"
W87	"	"	539
W88	"	"	"

Name	Sec.	Book	Page
W89	7	208	539
W90	"	"	540
W91	"	"	"
W92	"	"	"
W93	"	"	541
T76	8	206	331
T77	"	"	330
T78	"	"	"
T79	"	"	329
T80°	"	"	332
T81	"	"	333
T82	"	"	"
T83	"	"	398
T84	"	"	"
U76	"	"	331
U77	"	"	"
U78	"	"	"
U79	"	"	329
U80	"	"	332
U81	"	"	"
U82	"	"	333
U83	"	"	399
U84	"	"	398
V76	"	208	525
V77	"	"	526
V78	"	"	"
V79	"	"	"
V80	"	"	527
V81	"	"	"
V82	"	"	"
V83	"	"	528
V84	"	"	"
W77	"	"	535
W78	"	"	536
W79	"	"	"
W80	"	"	"
W81	"	"	537
W82	"	"	"
W83	"	"	"
W84	"	"	538
S68	9	204	430
S69	"	"	"
S70	"	"	431
S71	"	"	"
S72	"	"	"
S73	"	"	432
S74	"	"	"

Township 27 South, Range 22 East, SLM

Name	Sec.	Book	Page
S75	9	204	432
T67	"	206	353
T68	"	"	362
T69	"	"	"
T70	"	208	518
T71	"	"	"
T72	"	"	"
T73	"	"	519
T74	"	"	"
T75	"	"	"
U70	"	"	520
U71	"	"	"
U72	"	"	"
U73	"	"	521
U74	"	"	"
U75	"	"	"
U67	"	206	361
U68	"	"	363
U69	"	"	362
V68	"	208	523
V69	"	"	"
V70	"	"	"
V71	"	"	524
V72	"	"	"
V73	"	"	"
V74	"	"	525
V75	"	"	"
W68	"	"	532
W69	"	"	533
W70	"	"	"
W71	"	"	"
W72	"	"	534
W73	"	"	"
W74	"	"	"
W75	"	"	535
T59	10	206	363
T60	"	"	364
T61	"	"	365
T62	"	"	353
T63	"	"	359
T64	"	"	360
T65	"	"	359
T66	"	"	361
U59	"	"	363
U60	"	"	364
U61	"	"	"
U62	"	"	353
U63	"	"	359

Name	Sec.	Book	Page
U64	10	206	360
U65	"	"	"
U66	"	"	361
V65	"	208	522
V66	"	"	"
V67	"	"	"
W65	"	"	531
W66	"	"	532
W67	"	"	"
P52	14	204	404
P53	"	"	"
P54	"	"	"
P55	"	"	405
P56	"	"	"
P57	"	"	"
Q52	"	"	417
Q53	"	"	412
Q54	"	"	417
Q55	"	"	418
Q56	"	"	"
Q57	"	"	"
Q58	"	"	419
R56	"	206	319
R57	"	"	318
S56	"	"	"
S57	"	"	"
P58	"	204	406
P59	15	"	"
P60	"	"	"
P61	"	"	407
P62	"	"	"
P63	"	"	"
P64	"	"	408
P65	"	"	"
P66	"	"	"
P67	"	"	409
Q59	"	"	419
Q60	"	"	"
Q61	"	"	420
Q62	"	"	"
Q63	"	"	"
Q64	"	"	421
Q65	"	"	"
Q66	"	"	"
Q67	"	"	422
R58	14	206	317
R59	15	"	"
R60	"	"	316

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Name	Sec.	Book	Page
R61	15	206	315
R62	"	"	"
R66	"	204	427
R67	"	"	"
S58	14	206	317
S59	15	"	316
S60	"	"	"
S61	"	"	315
S62	"	"	314
S66	"	204	429
S67	"	"	430
P77	17	"	412
P78	"	"	"
P81	"	"	413
P82	"	"	414
P83	"	"	"
P84	"	"	"
Q76	"	"	422
Q77	"	"	"
Q78	"	"	423
Q79	"	"	"
Q80	"	"	"
Q81	"	"	424
Q82	"	"	"
Q83	"	"	"
Q84	"	"	425
R76	"	"	428
R77	"	"	"
R78	"	"	"
R79	"	"	429
R80	"	"	"
R81	"	206	323
R82	"	"	322
R83	"	"	"
R84	"	"	321
S81	"	"	323
S82	"	"	"
S83	"	"	322
S84	"	"	321
S76	"	204	433
S77	"	"	"
S78	"	"	"
S79	"	"	434
S80	"	"	"
P85	18	"	415
P86	"	"	"
P87	"	"	"

Name	Sec.	Book	Page
P88	18	204	416
P89	"	"	"
P90	"	"	"
Q85	"	"	425
Q86	"	"	"
Q87	"	"	426
Q88	"	"	"
Q90	"	"	427
Q89	"	"	426
R85	"	206	320
R86	"	"	"
R87	"	"	319
R88	"	212	67
R89	"	"	"
R90	"	"	68
R91	"	"	"
R92	"	"	"
R93	"	"	69
S85	"	206	321
S86	"	"	320
S87	"	"	319
S88	"	212	69
S89	"	"	"
S90	"	"	70
S91	"	"	"
S92	"	"	"
S93	"	"	71
K86	19	204	360
K87	"	"	"
K88	"	"	361
K89	"	"	"
L85	"	"	373
L86	"	"	"
L87	"	"	374
L88	"	"	"
L89	"	"	"
M85	"	"	386
M86	"	"	"
M87	"	"	387
M88	"	"	"
M89	"	"	"
N85	"	"	402
N86	"	"	"
N87	"	"	403
N88	"	"	"
N89	"	"	"
K76	20	"	357

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Name	Sec.	Book	Page
K77	20	204	357
K78	"	"	358
K79	"	"	"
K80	"	"	"
K81	"	"	359
K82	"	"	"
K83	"	"	"
K84	"	"	360
L77	"	"	370
L78	"	"	371
L79	"	"	"
L80	"	"	"
L81	"	"	372
L82	"	"	"
L83	"	"	"
L84	"	"	373
M76	"	"	383
M77	"	"	"
M78	"	"	384
M79	"	"	"
M80	"	"	"
M81	"	"	385
M82	"	"	"
M83	"	"	"
M84	"	"	386
N76	"	"	399
N77	"	"	"
N78	"	"	400
N79	"	"	"
N80	"	"	"
N81	"	"	401
N82	"	"	"
N83	"	"	"
N84	"	"	402
K68	21	"	354
K69	"	"	355
K70	"	"	"
K71	"	"	"
K72	"	"	356
K73	"	"	"
K74	"	"	"
K75	"	"	357
L68	"	"	367
L69	"	"	368
L70	"	"	"
L71	"	"	"
L72	"	"	369
L73	"	"	"

Name	Sec.	Book	Page
L74	21	204	369
L75	"	"	370
L76	"	"	"
M69	"	"	381
M70	"	"	"
M71	"	"	"
M72	"	"	382
M73	"	"	"
M74	"	"	"
M75	"	"	383
N67	"	"	396
N68	"	"	"
N69	"	"	397
N70	"	"	"
N71	"	"	"
N72	"	"	398
N73	"	"	"
N74	"	"	"
N75	"	"	399
P68	"	"	409
P69	"	"	"
P70	"	"	410
P71	"	"	"
P72	"	"	"
P73	"	"	411
P74	"	"	"
P75	"	"	"
P76	"	"	412
P79	"	"	413
P80	"	"	"
M68	"	"	380
K59	22	"	351
K60	"	"	352
K61	"	"	"
K62	"	"	"
K63	"	"	353
K64	"	"	"
K65	"	"	"
K66	"	"	354
K67	"	"	"
L59	"	"	364
L60	"	"	365
L61	"	"	"
L62	"	"	"
L63	"	"	366
L64	"	"	"
L65	"	"	"
L66	"	"	367

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Name	Sec.	Book	Page
L67	22	204	367
M59	"	"	377
M60	"	"	378
M61	"	"	"
M62	"	"	"
M63	"	"	379
M64	"	"	"
M65	"	"	"
M66	"	"	380
M67	"	"	"
N59	"	"	393
N60	"	"	394
N61	"	"	"
N62	"	"	"
N63	"	"	395
N64	"	"	"
N65	"	"	"
N66	"	"	396
K50	23	"	348
K51	"	"	"
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K56	"	"	"
K57	"	"	351
K58	"	"	"
L50	"	"	361
L51	"	"	362
L53	"	"	"
L52	"	"	"
L54	"	"	363
L55	"	"	"
L56	"	"	"
L57	"	"	364
L58	"	"	"
M51	"	"	375
M52	"	"	"
M53	"	"	"
M54	"	"	376
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M56	"	"	"
M57	"	"	377
M58	"	"	"
N50	"	"	390
N51	"	"	391
N52	"	"	"
N53	"	"	"
N54	"	"	392

Name	Sec.	Book	Page
N55	23	204	392
N56	"	"	"
N57	"	"	393
N58	"	"	"
K41	24	"	345
K42	"	"	"
K43	"	"	346
K44	"	"	"
K45	"	"	"
K46	"	"	347
K47	"	"	"
K48	"	"	"
K49	"	"	348
K52	"	"	349
N42	"	"	388
N43	"	"	"
N44	"	"	"
N45	"	"	389
N46	"	"	"
N47	"	"	"
N48	"	"	390
N49	"	"	"
I41	25	"	314
I42	"	"	"
I43	"	"	"
I44	"	"	315
I45	"	"	"
I46	"	"	"
I47	"	"	316
I48	"	"	"
I49	"	"	"
J41	"	"	329
J42	"	"	330
J43	"	"	"
J44	"	"	"
J45	"	"	331
J46	"	"	"
J47	"	"	"
J48	"	"	332
J49	"	"	"
I50	26	"	317
I51	"	"	"
I52	"	"	"
I53	"	"	318
I54	"	"	"
I55	"	"	"
I56	"	"	319
I57	"	"	"

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Name	Sec.	Book	Page
I58	26	204	319
I59	"	"	320
J50	"	"	332
J51	"	"	333
J52	"	"	"
J53	"	"	"
J54	"	"	334
J55	"	"	"
J56	"	"	"
J57	"	"	335
GG59	27	206	358
GG60	"	"	"
GG61	"	"	357
GG62	"	"	356
GG63	"	"	"
GG64	"	"	354
GG65	"	"	"
GG66	"	"	355
GG67	"	"	352
H59	"	"	358
H60	"	"	357
H61	"	"	"
H62	"	"	355
H63	"	"	356
H64	"	"	354
H65	"	"	355
H66	"	"	352
H67	"	"	"
I60	"	"	320
I61	"	"	"
I61	"	"	"
I62	"	"	321
I63	"	204	"
I64	"	"	"
I65	"	"	322
I66	"	"	"
I67	"	"	322
J58	26	"	335
J59	27	"	"
J60	"	"	336
J61	"	"	"
J62	"	"	"
J63	"	"	337
J64	"	"	"
J65	"	"	"
J66	"	"	338
H68	28	206	308

Name	Sec.	Book	Page
H69	28	206	309
H70	"	"	310
H71	"	"	"
H72	"	"	311
H73	"	"	312
H74	"	"	"
H75	"	"	313
I68	"	204	323
I69	"	"	"
I70	"	"	"
I71	"	"	324
I72	"	"	"
I73	"	"	"
J67	"	"	338
J68	"	"	"
J69	"	"	339
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J74	"	"	"
J75	"	"	341
J76	"	"	"
H76	29	206	314
H77	"	"	346
H78	"	"	"
H79	"	"	345
H80	"	"	"
H81	"	"	"
H82	"	"	344
H83	"	"	"
H84	"	"	"
I74	28	204	325
I75	"	"	"
I76	29	"	"
I77	"	"	326
I78	"	"	"
I79	"	"	"
I80	"	"	327
I81	"	"	"
I82	"	"	"
J77	"	"	341
J78	"	"	342
J79	"	"	"
J80	"	"	"
J81	"	"	343
J82	"	"	"

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Name	Sec.	Book	Page
J83	29	204	343
J84	"	"	344
H85	30	206	343
H86	"	"	342
H87	"	"	"
H88	"	"	341
I83	29	204	328
I84	"	"	"
I85	30	"	"
I88	"	"	329
I89	"	"	"
J85	"	"	344
J88	"	"	"
J89	"	"	345
EE85	31	206	341
EE86	"	"	340
FF85	"	"	"
FF86	"	"	"
GG85	"	"	343
GG86	"	"	"
GG87	"	"	342
GG88	"	"	341
EE68	33	"	351
EE69	"	"	"
EE70	"	"	350
EE71	"	"	349
EE72	"	"	"
EE73	"	"	348
EE74	"	"	347
EE75	"	"	"
FF68	"	"	351
FF69	"	"	350
FF70	"	"	"
FF71	"	"	349
FF72	"	"	348
FF73	"	"	"
FF74	"	"	347
FF75	"	"	346
GG68	"	"	309
GG69	"	"	"
GG70	"	"	310
GG71	"	"	311
GG72	"	"	"
GG73	"	"	312
GG74	"	"	313
GG75	"	"	"
GG76	"	"	314

Name	Sec.	Book	Page
EE59	34	206	327
EE60	"	"	328
EE61	"	"	329
EE62	"	"	324
EE63	"	"	325
EE64	"	"	"
EE67	"	"	308
EE65	"	"	326
EE66	"	"	"
FF59	"	"	327
FF60	"	"	328
FF61	"	"	"
FF62	"	"	324
FF63	"	"	"
FF64	"	"	325
FF65	"	"	326
FF66	"	"	327
FF67	"	"	308
H52	35	"	365
H53	"	"	366
H54	26	"	369
H55	"	"	368
H56	35	"	"
H57	"	"	367
H58	35	"	"
GG52	"	"	365
GG53	"	"	366
GG54	"	"	369
GG55	"	"	"
GG56	"	"	368
GG57	"	"	366
GG58	"	"	367
M50	23	216	245
H43	25	"	241
H42	"	"	"
H41	"	"	"
H44	"	"	242
H46	"	"	"
H45	"	"	"
H49	"	"	243
H48	"	"	"
H47	"	"	"
H50	26	"	244
H51	"	"	"
GG50	35	"	"
GG51	"	"	245
L50	23	"	"

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Name	Sec.	Book	Page
P48	24	216	247
P47	"	"	"
P49	"	"	"
P46	"	"	246
P45	"	"	"
P44	"	"	"
Q46	13	"	248
P50	14	"	"
P51	"	"	"
Q48	13	"	249
Q49	"	"	"
Q47	"	"	"
Q51	14	"	250
Q50	"	"	"
R63	15	"	"
R46	13	"	251
R64	15	"	"
R65	"	"	"
R47	13	"	252
R49	"	"	"
R48	"	"	"
R52	14	"	253
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R50	"	"	"
R53	"	"	254
R54	"	"	"
R55	"	"	"
S51	"	"	255
S50	"	"	"
S49	13	"	"
S53	14	"	256
S55	"	"	257
S64	15	"	"
S63	"	"	"
T51	11	"	258
S65	15	"	"
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T52	"	"	"
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T57	"	"	260
T56	"	"	"
T55	"	"	"
T58	"	"	261
U52	1	"	"
U53	"	"	"
U55	"	"	262

Name	Sec.	Book	Page
U54	11	216	262
U56	"	"	"
U58	"	"	263
U57	"	"	"
V53	"	"	"
V56	"	"	264
V55	"	"	"
V54	"	"	"
V58	"	"	265
V59	10	"	"
V57	11	"	"
V60	10	"	266
V62	"	"	"
V61	"	"	"
V63	"	"	267
V64	"	"	"
W61	3	"	"
W64	"	"	268
W63	"	"	"
W62	"	"	"
X62	"	"	269
X63	"	"	"
X61	"	"	"
X64	"	"	270
X65	"	"	"
X66	"	"	"
X67	"	"	271
X72	4	"	272
X80	5	"	273
X73	4	"	"
X82	5	"	274
Y74	4	"	275
X83	5	"	274
Y80	"	"	275
Y73	4	"	"
Y72	4	"	274
Y83	5	"	276
Y82	"	"	"
Z77	"	"	277
Z78	"	"	"
Z79	"	"	"
Z80	"	"	278
Z81	"	"	"
Z82	"	"	"
Z83	"	"	279
Z89	6	"	"
Z90	"	"	"

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Name	Sec.	Book	Page
Z91	6	216	280
Z92	"	"	"
X68	4	"	271
X69	"	"	"
Z76	5	"	276
X74	4	"	273
X70	"	"	272
X71	"	"	"
S52	11	216	256
S54	14	"	"

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Name	Sec.	Book	Page
Z88	31	87	542
Z87	"	"	541
Z86	"	"	540
Z85	"	"	539
Z84	"	"	538
E80	"	"	522
E79	"	"	521
D80	"	"	506
D79	"	"	505
C84	"	"	504
C83	"	"	503
C82	"	"	502
B84	"	"	501
B83	"	"	500
B82	"	"	499
A88	"	"	498
A87	"	"	497
A86	"	"	496
A85	"	"	495
A84	"	"	494
B89	"	88	312
C85	"	"	313
C86	"	"	314
C87	"	"	315
C88	"	"	316
C89	"	"	317
B85	"	"	308
A89	"	"	307
B81	"	87	543
C81	"	"	553
B86	"	88	309
B87	"	"	310
B88	31	88	311
G80	29	"	65
F80	"	"	44
G84	30	"	69
G86	"	"	71
G87	"	"	72
F87	"	"	51
F86	"	"	50
F85	"	"	49
F88	"	"	52
G81	"	"	66
G85	"	"	70
G82	"	"	67
G83	"	"	68
G88	"	"	73
F81	"	"	45
F82	"	"	46
F83	"	"	47
F84	"	"	48
E88	"	78	530
E87	"	87	529
E86	"	78	528
E85	"	87	527
E84	"	"	526
E83	"	"	525
E82	"	"	524
E81	"	"	523
D88	"	"	514
D87	"	"	513
D86	"	"	512
D85	"	"	511
D84	"	"	510

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Name	Sec.	Book	Page
D83	30	87	509
D82	"	"	508
D81	"	"	507
HH85	19	88	86
HH86	"	"	87
HH87	"	"	88
HH88	"	"	89
II85	"	"	103
II86	"	"	104
II87	"	"	105
II88	"	"	106
KK90	24	"	386
KK89	19	"	385
KK88	"	"	384
KK87	"	"	383
KK86	"	"	382
KK85	"	"	381
JJ89	"	"	375
JJ88	"	"	374
JJ87	"	"	373
JJ86	"	"	372
JJ85	"	"	371
C80	31	"	370
B80	"	"	369
A83	"	"	368
A82	"	"	367
A81	"	"	366
A80	"	"	365

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Name	Sec.	Book	Page
PP110	10	88	194
OO113	"	"	193
OO112	"	"	192
OO111	"	"	191
OO110	"	"	190
OO107	"	"	189
NN113	"	"	188
NN112	"	"	187
NN111	"	"	186
NN107	"	"	185
RR108	"	"	270
RR107	"	"	269
QQ108	"	"	268
QQ107	"	"	267
PP111	"	"	266
PP109	"	"	265
PP108	10	88	264
OO111	"	"	263
OO109	"	"	262
OO108	"	"	261
JJ111	"	"	230
MM92	13	"	181
MM91	"	"	180
MM90	"	"	179
MM89	"	"	178
LL97	"	"	174
LL96	"	"	173
LL95	"	"	172
LL94	"	"	171
LL93	"	"	170
LL92	"	"	169
LL91	"	"	168
LL90	"	"	167
LL89	"	"	166
LL105	14	"	251
LL104	"	"	250
LL103	"	"	249
LL99	"	"	334
LL98	"	"	333
LL100	"	"	335
LL101	"	"	336
LL102	"	"	337
LL106	"	"	338
MM115	15	"	184
MM114	"	"	183
MM113	"	"	182
LL115	"	"	177
LL114	"	"	176
LL113	"	"	175
MM112	"	"	260
MM111	"	"	259
MM110	"	"	258
LL112	"	"	257
LL111	"	"	256
LL110	"	"	255
LL109	"	"	254
LL108	"	"	253
LL107	"	"	252
MM107	"	"	339
MM108	"	"	340
MM109	"	"	341
NN108	"	"	342
NN109	"	"	343
NN110	"	"	344

Township 26 South, Range 21 East, SLM

Name	Sec.	Book	Page
KK116	21	87	586
JJ116	"	"	587
KK114	22	"	591
KK115	"	"	590
JJ115	"	"	589
JJ114	"	"	588
II114	"	88	161
II113	"	"	160
II112	"	"	159
II111	"	"	158
II110	"	"	157
II109	"	"	156
II108	"	"	155
II107	"	"	154
HH114	"	"	153
HH113	"	"	152
HH112	"	"	151
HH111	"	"	150
HH110	"	"	149
HH109	"	"	148
HH108	"	"	147
HH107	"	"	146
KK113	"	"	248
KK112	"	"	247
KK111	"	"	246
KK110	"	"	245
KK109	"	"	244
KK108	"	"	243
KK107	"	"	242
JJ113	"	"	232
JJ112	"	"	231
JJ110	"	"	229
JJ109	"	"	228
JJ108	"	"	227
JJ107°	"	"	226
II101	23	"	118
II100	"	"	117
HH100	"	"	101
HH99	"	"	100
HH98	"	"	99
II 98	"	"	116
HH101	"	"	102
II106	"	87	585
II105	"	"	584
II104	"	"	583
II103	"	"	582

Name	Sec.	Book	Page
HH106	23	87	581
HH105	"	"	580
HH104	"	"	579
HH103	"	"	578
KK106	"	88	241
II99	"	212	67
KK105	"	88	240
KK104	"	"	239
KK103	"	"	238
KK102	"	"	237
KK101	"	"	236
KK100	"	"	235
KK99	"	"	234
KK98	"	"	233
JJ106	"	"	225
JJ105	"	"	224
JJ104	"	"	223
JJ103	"	"	222
JJ102	"	"	221
JJ101	"	"	220
JJ100	"	"	219
JJ99	"	"	218
JJ98	"	"	217
II102	"	"	214
HH102	"	"	213
HH89	24	"	90
II89	"	"	107
HH97	"	"	98
II97	"	"	115
II96	"	"	114
II95	"	"	113
II94	"	"	112
II93	"	"	111
HH96	"	"	97
HH95	"	"	96
II92	"	"	110
II91	"	"	109
II90	"	"	108
HH94	"	"	95
HH93	"	"	94
HH92	"	"	93
HH91	"	"	92
HH90	"	"	91
KK97	"	"	165
KK96	"	"	164
KK95	"	"	163

Township 26 South, Range 21 East, SLM

Name	Sec.	Book	Page
JJ95	24	88	162
JJ97	"	"	216
JJ96	"	"	215
JJ94	"	"	332
G90	25	"	75
G89	"	"	74
G92	"	"	77
G91	"	"	76
G95	"	"	80
G94	"	"	79
G93	"	"	78
F90	"	"	54
F89	"	"	53
F92	"	"	56
F91	"	"	55
F94	"	"	58
F93	"	"	57
F95	"	"	59
G96	"	87	537
E96	"	"	536
E93	"	"	535
E92	"	"	534
E91	"	"	533
E90	"	"	532
E89	"	"	531
D96	"	"	520
D93	"	"	519
D92	"	"	518
D91	"	"	517
D90	"	"	516
D89	"	"	515
G97	"	"	575
F97	"	"	572
F96	"	"	571
E97	"	88	324
E95	"	"	323
E94	"	"	322
D98	"	"	321
D97	"	"	320
D95	"	"	319
D94	"	"	318
D101	26	"	36
D100	"	"	35
D99	"	"	34
D106	"	"	37
E100	"	"	40
E99	"	"	39
E106	"	"	42

Name	Sec.	Book	Page
E101	26	88	41
G106	"	"	84
G105	"	"	83
G104	"	"	82
G103	"	"	81
F106	"	"	63
F103	"	"	60
F105	"	"	62
F104	"	"	61
G99	"	87	577
G98	"	"	576
F99	"	"	574
F98	"	"	573
E105	"	"	570
E104	"	"	569
E103	"	"	568
E102	"	"	567
D105	"	"	566
D104	"	"	565
D103	"	"	564
D102	"	"	563
F100	"	88	326
F101	"	"	327
F102	"	"	328
G100	"	"	329
G101	"	"	330
G102	"	"	331
E98	"	"	325
D107	27	"	38
E107	"	"	43
G107	"	"	85
F107	"	"	44
G109	"	"	145
G108	"	"	144
F109	"	"	143
F108	"	"	142
Z101	35	"	122
Z100	"	"	121
Z99	"	"	120
Z98	"	"	119
A98	"	"	30
A100	"	"	32
A99	"	"	31
A101	"	"	33
C106	"	87	562
C105	"	"	561
C104	"	"	560
C103	"	"	559

Township 26 South, Range 21 East, SLM

Name	Sec.	Book	Page
C102	35	87	558
C101	"	"	557
C100	"	"	556
C99	"	"	555
C98	"	"	554
B106	"	"	552
B105	"	"	551
B104	"	"	550
B103	"	"	549
B102	"	"	548
B101	"	"	547
B100	"	"	546
B99	"	"	545
B98	"	"	544
JO1	10	"	279
JO2A	11	"	280
JO2D	"	"	281
JO2E	14	"	282
JO2F	"	"	283
JO3	2	"	284
JO3A	11	"	285
JO3B	"	"	286
JO3D	"	"	287
JO3E	14	"	288
JO3F	"	"	289
JO4	2	"	290
JO4A	11	"	291
JO4B	"	"	292
JO4C	"	"	293
JO4D	"	"	294
JO4E	14	"	295
JO4F	"	"	296
JO5	2	"	297
JO5A	"	"	298
JO5B	"	"	299
JO5C	"	"	300
JO5D	"	"	301
JO5E	14	"	302
JO5F	"	"	303
JO6	2	"	304
JO6A	11	"	305
JO6B	"	"	306
JO6C	"	"	307
JO6D	"	"	308
JO6E	"	"	309
JO6F	"	"	310
JO6G	11	87	312
JO6H	14	"	312
JO6I	"	"	313
JO7	2	"	314
JO7A	11	"	315
JO7B	"	"	316
JO7C	"	"	317
JO7D	"	"	318
JO7E	14	"	319
JO7F	"	"	320
JO8A	11	"	321
JO8B	"	"	322
JO8C	"	"	323
JO8D	"	"	324
JO8E	14	"	325
JO8F	"	"	326
JO9A	11	"	237
JO9B	"	"	328
JO9C	"	"	329
JO9D	"	"	330
JO9E	14	"	331
JO9F	14	"	332
JO10A	11	"	333
JO10B	"	"	334
JO10C	"	"	335
JO10D	"	"	336
JO10E	14	"	337
JO10F	"	"	338
JO11B	12	"	339
JO11C	"	"	342
JO11E	13	"	344
JO11F	"	"	345
JO12A	12	"	346
JO12B	"	"	347
JO12C	"	"	348
JO12D	13	"	349
JO12E	"	"	350
JO13C	12	"	351
JO13D	"	"	352
JO13E	13	"	353
JO13F	"	"	354
JO14D	Not staked 16, Apr. 58		
JO11D	12	"	343
JO14E	13	"	355
JO14F	"	"	356
JO15D	"	"	357

Township 26 South, Range 21 East, SLM

Name	Sec.	Book	Page
JO15E	13	87	358
JO15F	"	"	359
JO16D	"	"	360
JO16E	"	"	361
JO16F	"	"	362
KK93	24	88	389
KK92	"	"	388
KK91	"	"	387
JJ94	"	"	380
JJ93	"	"	379
JJ92	"	"	378
JJ91	"	"	377
JJ90	"	"	376
JO11D	13	"	402
JO14D	"	"	401

MINING DEED

E. WOLF MINER, a widow, Houston, Texas, as GRANTOR, hereby quit-claims to UTEX EXPLORATION COMPANY, a corporation, GRANTEE, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration, all of her right, title and interest in and to the following unpatented lode mining claims located in Grand County, Utah, the names of said claims and the notices of location thereof being recorded in the office of the County Recorder of Grand County, Utah, being as follows, to wit:

NAME OF CLAIM	RECORDED IN	
	Book	Page
Z88	87	542
Z87	87	541
Z86	87	540
Z85	87	539
Z84	87	538
E80	87	522
E79	87	521
D80	87	506
D79	87	505
C84	87	504
C83	87	503
C82	87	502
B84	87	501
B83	87	500
B82	87	499
A88	87	498
A87	87	497
A86	87	496
A85	87	495
A84	87	494
B89	88	312
C85	88	313
C86	88	314
C87	88	315
C88	88	316
C89	88	317
B85	88	308
A89	88	307
B81	87	543
C81	87	553
B86	88	309
B87	88	310
B88	88	311
G80	88	65
F80	88	44
G84	88	69
G86	88	71
G87	88	72

Name	Book	Page
F87	88	51
F86	88	50
F85	88	49
F88	88	52
G81	88	66
G85	88	70
G82	88	67
G83	88	68
G88	88	73
F81	88	45
F82	88	46
F83	88	47
F84	88	48
E88	78	530
E87	87	529
E86	78	528
E85	87	527
E84	87	526
E83	87	525
E82	87	524
E81	87	523
D88	87	514
D87	87	513
D86	87	512
D85	87	511
D84	87	510
D83	87	509
D82	87	508
D81	87	507
HH85	88	86
HH86	88	87
HH87	88	88
HH88	88	89
II85	88	103
II86	88	104
II87	88	105
II88	88	106
KK90	88	386
KK89	88	385
KK88	88	384
KK87	88	383
KK86	88	382
KK85	88	381
JJ89	88	375
JJ88	88	374
JJ87	88	373
JJ86	88	372
JJ85	88	371
C80	88	370
B80	88	369
A83	88	368
A82	88	367
A81	88	366
A80	88	365
PP110	88	194
OO113	88	193
OO112	88	192
OO111	88	191
OO110	88	190
OO107	88	189
NN113	88	188
NN112	88	187
NN111	88	186

Name	Book	Page
NN107	88	105
RR108	88	270
RR107	88	269
QQ108	88	268
QQ107	88	267
PP111	88	266
PP109	88	265
PP108	88	264
OO111	88	263
OO109	88	262
OO108	88	261
JJ111	88	230
MM92	88	181
MM91	88	180
MM90	88	179
MM89	88	178
LL97	88	174
LL96	88	173
LL95	88	172
LL94	88	171
LL93	88	170
LL92	88	169
LL91	88	168
LL90	88	167
LL89	88	166
LL105	88	251
LL104	88	250
LL103	88	249
LL99	88	334
LL98	88	333
LL100	88	335
LL101	88	336
LL102	88	337
LL106	88	338
MM115	88	184
MM114	88	183
MM113	88	182
LL115	88	177
LL114	88	176
LL113	88	175
MM112	88	260
MM111	88	259
MM110	88	258
LL112	88	257
LL111	88	256
LL110	88	255
LL109	88	254
LL108	88	253
LL107	88	252
MM107	88	339
MM108	88	340
MM109	88	341
NN108	88	342
NN109	88	343
NN110	88	344

Name	Book	Page
KK116	87	586
JJ116	87	587
KK114	87	591
KK115	87	590
JJ115	87	589
JJ114	87	588
II114	88	161
II113	88	160
II112	88	159
II111	88	158
II110	88	157
II109	88	156
II108	88	155
II107	88	154
HH114	88	153
HH113	88	152
HH112	88	151
HH111	88	150
HH110	88	149
HH109	88	148
HH108	88	147
HH107	88	146
KK113	88	248
KK112	88	247
KK111	88	246
KK110	88	245
KK109	88	244
KK108	88	243
KK107	88	242
JJ113	88	232
JJ112	88	231
JJ110	88	229
JJ109	88	228
JJ108	88	227
JJ107	88	226
II101	88	118
II100	88	117
HH100	88	101
HH99	88	100
HH98	88	99
II98	88	116
HH101	87	102
II106	87	585
II105	87	584
II104	87	583
II103	87	582
HH106	87	581
HH105	87	580
HH104	87	579
HH103	88	578
KK106	212	241
II99	88	67
KK105	88	240
KK104	88	239
KK103	88	238
KK102	88	237
KK101	88	236
KK100	88	235
KK99	88	234
KK98	88	233

Name	Book	Page
JJ106	88	225
JJ105	88	224
JJ104	88	223
JJ103	88	222
JJ102	88	221
JJ101	88	220
JJ100	88	219
JJ99	88	218
JJ98	88	217
II102	88	214
HH102	88	213
HH89	88	90
II89	88	107
HH97	88	98
II97	88	115
II96	88	114
II95	88	113
II94	88	112
II93	88	111
HH96	88	97
HH95	88	96
II92	88	110
II91	88	109
II90	88	108
HH94	88	95
HH93	88	94
HH92	88	93
HH91	88	92
HH90	88	91
KK97	88	165
KK96	88	164
KK95	88	163
JJ95	88	162
JJ97	88	216
JJ96	88	215
JJ94	88	332
G90	88	75
G89	88	74
G92	88	77
G91	88	76
G95	88	80
G94	88	79
G93	88	78
F90	88	54
F89	88	53
F92	88	56
F91	88	55
F94	88	58
F93	88	57
F95	87	59
G96	87	537
E96	87	536
E93	87	535
E92	87	534
E91	87	533
E90	87	532
E89	87	531
D96	87	520
D93	87	519
D92	87	518
D91	87	517
D90	87	516

Name	Book	Page
D89	87	515
G97	87	575
F97	87	572
F96	87	571
E97	88	324
E95	88	323
E94	88	322
D98	88	321
D97	88	320
D95	88	319
D94	88	318
D101	88	36
D100	88	35
D99	88	34
D106	88	37
E100	88	40
E99	88	39
E106	88	42
E101	88	41
G106	88	84
G105	88	83
G104	88	82
G103	88	81
F106	88	63
F103	88	60
F105	88	62
F104	88	61
G99	87	577
G98	87	576
F99	87	574
F98	87	573
E105	87	570
E104	87	569
E103	87	568
E102	87	567
D105	87	566
D104	87	565
D103	87	564
D102	87	563
F100	88	326
F101	88	327
F102	88	328
G100	88	329
G101	88	330
G102	88	331
E98	88	325
D107	88	38
E107	88	43
G107	88	85
F107	88	64
G109	88	145
G108	88	144
F109	88	143
F108	88	142
Z101	88	122
Z100	88	121
Z99	88	120
Z98	88	119
A98	88	30
A100	88	32
A99	88	31
A101	88	33
C106	87	562
C105	87	561
C104	87	560

Name	Book	Page
C103	87	559
C102	87	558
C101	87	557
C100	87	556
C99	87	555
C98	87	554
B106	87	552
B105	87	551
B104	87	550
B103	87	549
B102	87	548
B101	87	547
B100	87	546
B99	87	545
B98	87	544
JO1	87	279
JO2A	87	280
JO2D	87	281
JO2E	87	282
JO2F	87	283
JO3	87	284
JO3A	87	285
JO3B	87	286
JO3D	87	287
JO3E	87	288
JO3F	87	289
JO4	87	290
JO4A	87	291
JO4B	87	292
JO4C	87	293
JO4D	87	294
JO4E	87	295
JO4F	87	296
JO5	87	297
JO5A	87	298
JO5B	87	299
JO5C	87	300
JO5D	87	301
JO5E	87	302
JO5F	87	303
JO6	87	304
JO6A	87	305
JO6B	87	306
JO6C	87	307
JO6D	87	308
JO6E	87	309
JO6F	87	310
JO6G	87	311
JO6H	87	312
JO6I	87	313
JO7	87	314
JO7A	87	315
JO7B	87	316
JO7C	87	317
JO7D	87	318
JO7E	87	319
JO7F	87	320

Name	Book	Page
JO8A	87	321
JO8B	87	322
JO8C	87	323
JO8D	87	324
JO8E	87	325
JO8F	87	326
JO9A	87	237
JO9B	87	328
JO9C	87	329
JO9D	87	330
JO9E	87	331
JO9F	87	332
JO10A	87	333
JO10B	87	334
JO10C	87	335
JO10D	87	336
JO10E	87	337
JO10F	87	338
JO11B	87	339
JO11C	87	342
JO11E	87	344
JO11F	87	345
JO12A	87	346
JO12B	87	347
JO12C	87	348
JO12D	87	349
JO12E	87	350
JO13C	87	351
JO13D	87	352
JO13E	87	353
JO13F	87	354
JO14D	Not staked 16 Apr. 58	
JO11D	87	343
JO14E	87	355
JO14F	87	356
JO15D	87	357
JO15E	87	358
JO15F	87	359
JO16D	87	360
JO16E	87	361
JO16F	87	362
KK93	88	389
KK92	88	388
KK91	88	387
JJ94	88	380
JJ93	88	379
JJ92	88	378
JJ91	88	377
JJ90	88	376
JO11D	88	402
JO14D	88	401

Together with all metals, ores, rock and earth, and all carnotite, uranium, vanadium and fissionable bearing ores located therein; and all dips and spurs, rights, privileges and franchises thereto incident or belonging, or therewith

used and enjoyed, and all estate, right, title, interest, property, claim and demand whatsoever, legal and equitable, as well in possession as in expectancy, of the Grantors, of, in or to said claim, and every part thereof, except as herein otherwise provided.

IN WITNESS WHEREOF, the said Grantor has hereunto set her hand this 31st day of May, 1958.

E. Wolf Miner

STATE OF TEXAS)
: ss
COUNTY OF HARRIS)

On the 31st day of May, 1958, personally appeared before me, E. Wolf Miner, a widow, the signer of the above instrument, who duly acknowledged to me that she executed the same.

Jewel G. Hash
Notary Public

Residing at: JEWEL G. HASH Notary Public, Harris County, Texas

My Commission Expires
June 1, 1959

MINING DEED

E. WOLFE MINER, a widow, Houston, Texas, as GRANTOR, hereby quit-claims to UTEX EXPLORATION COMPANY, a corporation, GRANTEE, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration, all of her right, title and interest in and to the following unpatented lode mining claims located in San Juan County, Utah, the names of said claims and the notices of location thereof being recorded in the office of the County Recorder of San Juan County, Utah, being as follows, to wit:

NAME OF CLAIM	RECORDED IN	
	Book	Page
AA63	206	335
BB63	206	334
CC61	206	334
DD61	206	334
DD66	206	390
CC67	206	390
DD68	206	391
DD67	206	391
CC66	206	390
DD64	206	389
DD65	206	389
CC65	206	389
CC64	206	389
CC63	206	388
DD63	206	388
CC62	206	387
DD62	206	387
BB64	206	387
AA65	206	386
AA64	206	386
BB65	206	386
BB62	206	370
BB61	206	370
AA62	206	370
BB60	206	371
AA60	206	371
AA61	206	371
CC59	206	372
CC60	206	372
DD60	206	372
DD59	206	373
BB74	206	379
AA74	206	379
AA73	206	380
BB75	206	380
AA75	206	380
AA72	206	381
BB72	206	381
BB73	206	381
AA70	206	382
AA71	206	382

Name	Book	Page
BB71	206	382
BB70	206	383
BB69	206	383
AA69	206	383
AA68	206	384
AA67	206	384
BB68	206	384
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BB79	206	375
AA80	206	374
AA81	206	374
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BB82	206	373
AA82	206	373

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Z97	212	94
Z93	212	92

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R57	206	318

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R79	204	429
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N70	204	397

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V58	216	265
V59	216	265

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V61	216	266
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X69	216	271
Z76	216	276
X74	216	273
X70	216	272
X71	216	272
S52	216	256
S54	216	256

Together with all metals, ores, rock and earth, and all carnotite, uranium, vanadium and fissionable bearing ores located therein; and all dips and spurs, rights, privileges and franchises thereto incident or belonging, or therewith used and enjoyed, and all estate, right, title, interest, property, claim and demand whatsoever,

legal and equitable, as well in possession as in expectancy, of the Grantors, of, in or to said claim, and every part thereof, except as herein otherwise provided.

IN WITNESS WHEREOF, the said Grantor has hereunto set her hand this 31st day of May, 1958.

Edna Wolf Miner

STATE OF TEXAS)
: ss
COUNTY OF HARRIS

On the 31st day of May, 1958, personally appeared before me, E. Wolf Miner, a widow, the signer of the above instrument, who duly acknowledged to me that she executed the same.

Janet C. Hash
Notary Public
JANET C. HASH
Notary Public, Harris County, Texas
Residing at:

My Commission Expires
June 1, 1959

EXTRA COPY
D M F
RECEIVED JUN 23 1958

INITIALS	CODE

TW 255

Exploration Project Claims

Grand & San Juan Counties
Utah

Utex Exploration Company
Moab, Utah
1958

SCALE : 1" = 2000'

LEGEND

ROADS

PROPOSED ROADS

PRIOR VALID CLAIMS

DRILL HOLE LOCATION

APPROXIMATE ELEVATION 4950

R 21 E

R 22 E

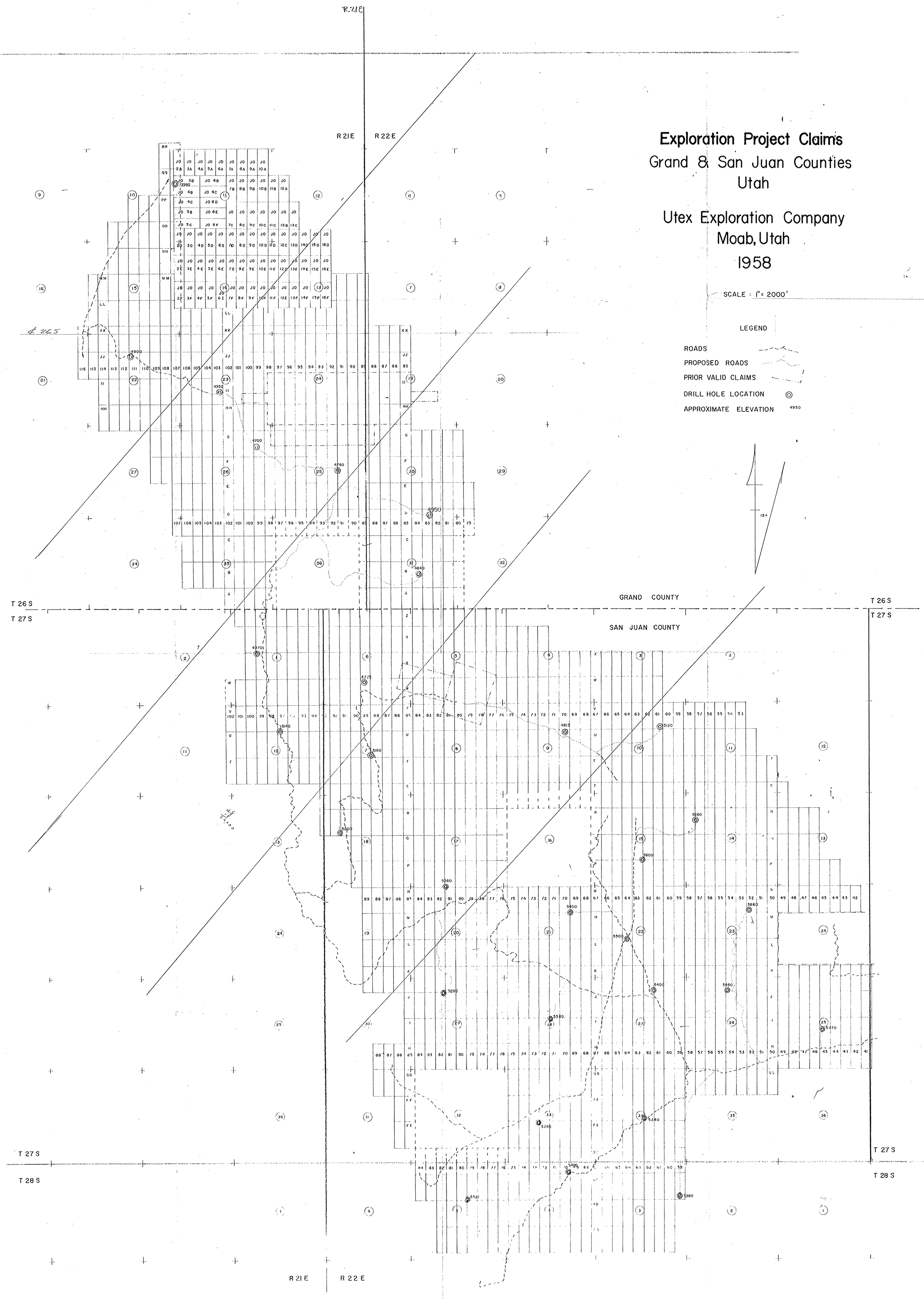
T 26 S

T 27 S

T 28 S

GRAND COUNTY

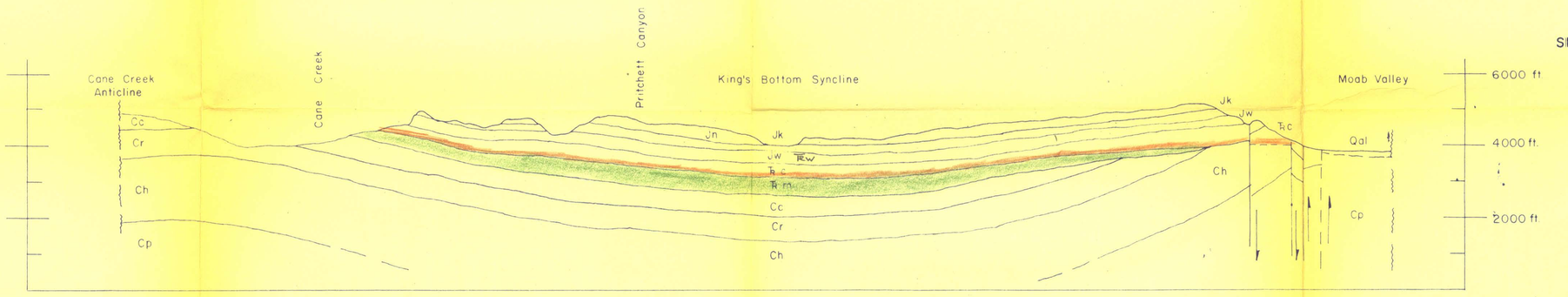
SAN JUAN COUNTY



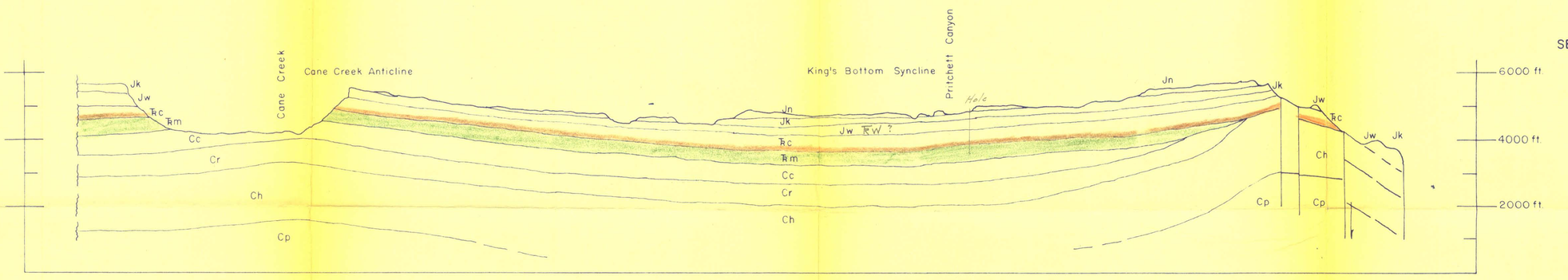
Exploration Project Cross-Sections
Utex Exploration Company
Moab, Utah
1958

HORIZONTAL & VERTICAL SCALE: 1" = 2000'

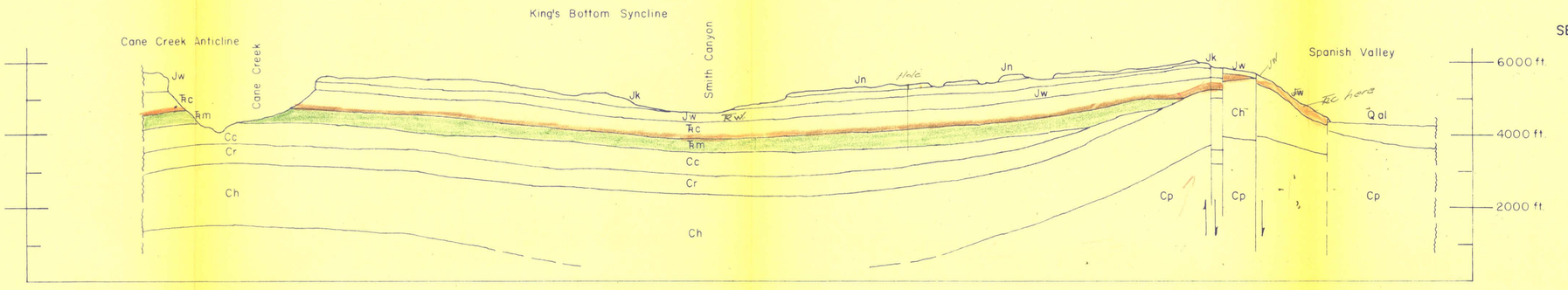
SECTION 4



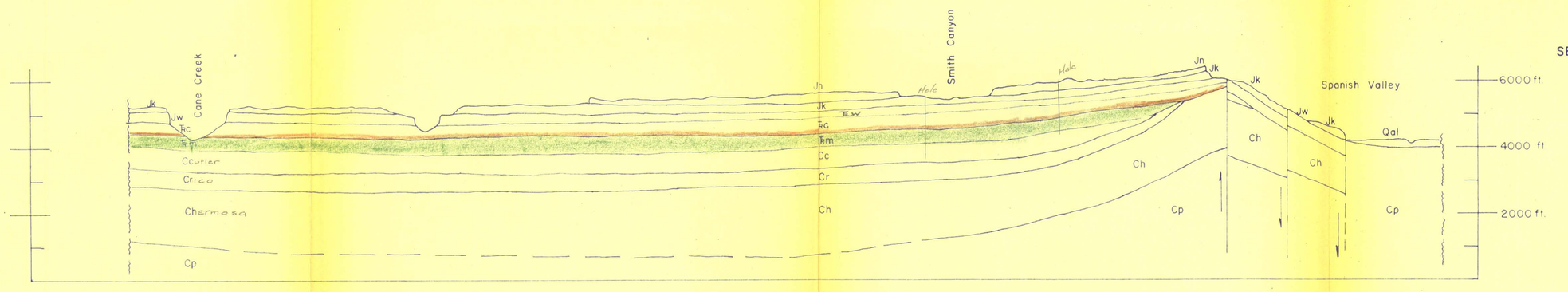
SECTION 3

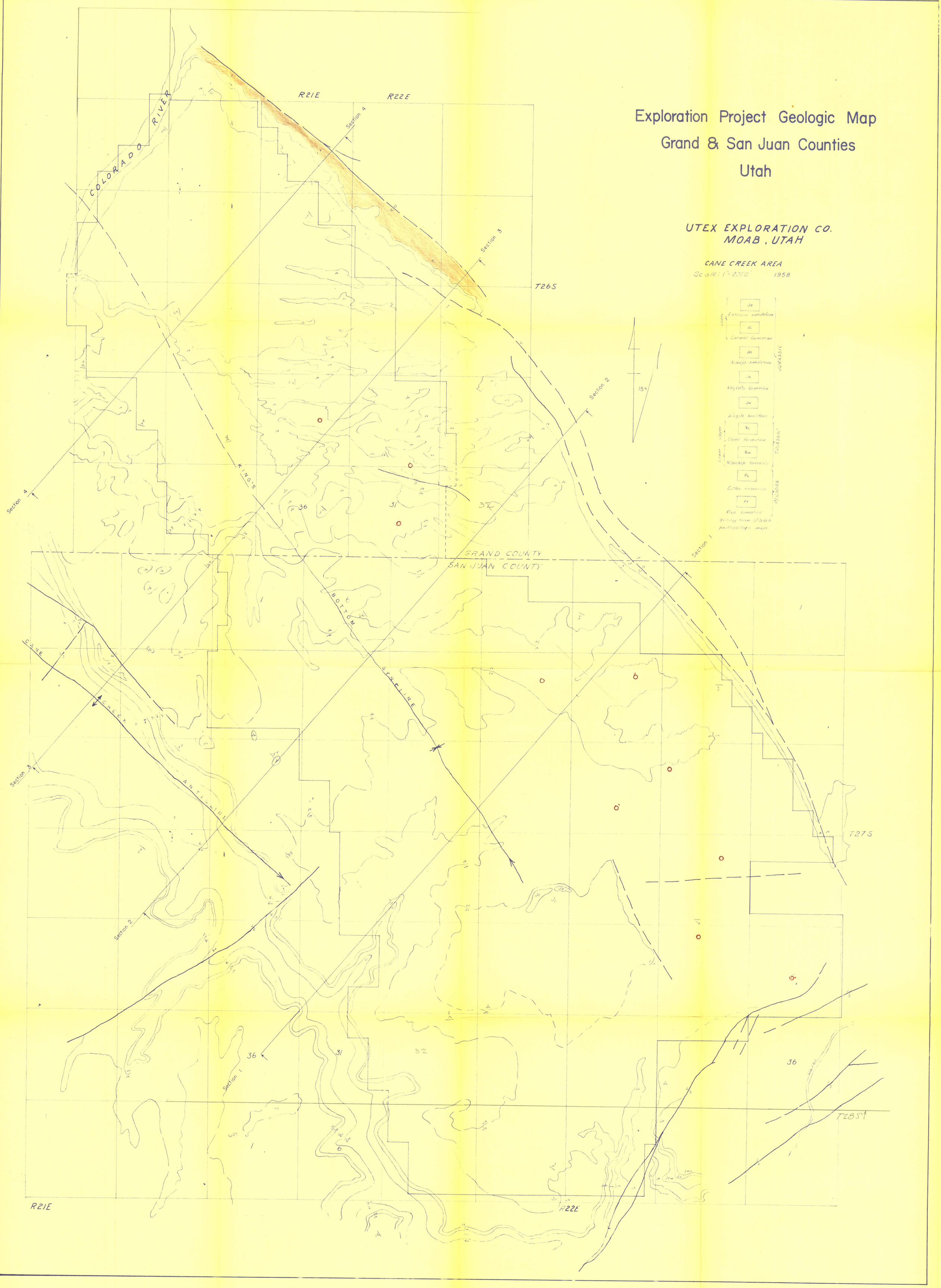


SECTION 2



SECTION 1




Exploration Project Geologic Map
Grand & San Juan Counties
Utah
UTEX EXPLORATION CO.
MOAB, UTAH
CANE CREEK AREA
Scale: 1" = 2000'
1958
Je
Entrada sandstone
Upper
Jc
Carmel formation
Jn
Navajo sandstone
Jk
Kayenta formation
Jw
Wingate sandstone
JURASSIC
Rc
Chinle formation
Upper
Rm
Moenkopi formation
Lower
TRIASSIC
Pc
Cutler formation
Pr
Rico formation
PERMIAN
geology from USGS
preliminary geologic maps.
R21E
R22E
T26S
T27S
T28S
COLORADO RIVER
KING'S BOTTOM
SYNCLINE
CANE CREEK ANTICLINE
GRAND COUNTY
SAN JUAN COUNTY
Section 1
Section 2
Section 3
Section 4
15°
36
31
32
6
1