IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4498

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
✓Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
OCT 11 1956

224 New Customhouse
Denver 2, Colorado

October 8, 1956

Memorandum

To: Secretary to the Operating Committee

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Parkdale Uranium Corporation (Misery Mines, et al) Fremont County, Colorado

Enclosed are three copies of the subject application in the amount of $62,500.00.

The Applicant has not presented a clear-cut program of exploration as to number, location, and depth of holes to be drilled. No drilling bids have been submitted and no chemical assay results have been received.

One copy each of the following accompanied the application and are enclosed for your use:

(1) Agreement and Contingent Sale of Interest in mining claims, unsigned and dated January 16, 1956.

(2) Preliminary geological report on "Sixteen unpatented mining claims".

(3) Geological report on "Fourteen contiguous United States Government claims".

You will note that the Applicant has requested the return to him of both geological reports.

DMEA Field Team Region

E. N. Harshman

E. N. Harshman
Acting Executive Officer

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DMEA
DEPARTMENT OF THE INTERIOR

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
OCT 11 1956

OCT 8 1956
REGION III
DENVER, COLORADO

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 4498.
Metal or Mineral Uranium
Date Received 10-11-56
Estimated Cost $62,500.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Parkdale Uranium Corporation, a Colorado Corporation
1601 Lexington Road (Joe Dumic, President & Director,
Pueblo, Colorado 1617 Saratoga Rd., Pueblo, Colo.)
Robert L. McMichael, Secy-Treasurer & Dir, same address.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract See attached

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See attached

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

Attached

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium and Vanadium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. see attached

(*c*) The work will start within 5 days and be completed within 12 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. see attached

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

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*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs?

[x] Money [x] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

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.

Dated October 4, 1956

Parkdale Uranium Corporation
(Applicant)

By Robert L. McMichael
Robert L. McMichael
Secretary-Treasurer

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

3.(a) Wish to explore the following : Misery Mines, no's. 1 through 14 inclusive, situate in Sec. 9, Township 18 South, Range 73 West of the 6th P.M. ; Satan Claims No's 1 through 20 inclusive, situate in Sections 10 and 15, Township 18 South, Range 73 West of the 6th P.M.; Red Hill No's 1 through 3 and 5 through 9 inclusive, and Tanner Boy No's 1 through 8 inclusive, all situate in Section 15, Township 19 South, Range 71 West of the 6th P.M.; Joe and Bob No's 129 through 178 Inclusive, situate in Sections 11, 12, 13, 14,23 and 24, in Township 18 South, Range 73 West of the 6th P.M..

Claims which we do not wish to explore but which are owned by us and which may be benefited are four claims known as Our Struggle No's 4 through 7 inclusive, situate in Section 1 and 12, Township 18 South, Range 73 West of the 6th P.M. and Sections 6 and 7, Township 18 South, Range 72 West of the 6th P.M.

All claims located in Fremont County, Colorado.

(b) See 3 a, Misery Mines and Satan Claims are one group, contiguous
Red Hill and Tanner Boy claims " " " "
Joe and Bob claims are one group, contiguous.

(c) 14 Misery mines, ½ ownership and the other ½ we have a working agreement where net profit split. ✓
20 Satan Claims, complete ownership.
8 Red Hill and Tanner boy claims, complete ownership with 10 % royalty on gross sales. ✓
50 Joe and Bob claims, ½ interest in 50 claims, or we may split and have full ownership in 25 claims.

(d) See attached contract on Misery mines.
See attached contract on Joe and Bob claims.

(e) There are no liens or incumbrances.

(f) All claims are unpatented.

Misery mines:

No.	Book	Page
1	347	2
2	"	3
3	"	4
4	"	5
5	"	6
6	"	7
7	"	8
8	"	9
9	"	10
10	"	11
11	"	12
12	"	13
13	"	114
14	"	115

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

3. (f) continued.

Satan Claims:

No.	Book	Page	No.	Book	Page
1	365	413	11	365	433
2	"	415	12	"	435
3	"	417	13	"	437
4	"	419	14	"	439
5	"	421	15	"	441
6	"	423	16	"	443
7	"	425	17	"	445
8	"	427	18	"	447
9	"	429	19	"	449
10	"	431	20	"	451

Red Hill Claims:

No.	Book	Page
1	356	308
2	"	310
3	"	312
5	"	314
6	"	316
7	"	318
8	"	320
9	"	322

Tanner Boy Claims:

No.	Book	Page
1	356	324
2	"	326
3	"	328
4	"	330
5	"	332
6	"	334
7	"	336
8	"	338

Joe and Bob claims.

No.	Book	page	No.	Book	Page
129	353	159	154	353	209
130	"	161	155	"	211
131	"	163	156	"	213
132	"	165	157	"	215
133	"	167	158	"	217
134	"	169	159	"	219
135	"	171	160	"	221
136	"	173	161	"	223
137	"	175	162	"	225
138	"	177	163	"	227
139	"	179	164	"	229
140	"	181	165	"	231
141	"	183	166	"	233
142	"	185	167	"	235
143	"	187	168	"	237
144	"	189	169	"	239
145	"	191	170	"	241
146	"	193	171	"	243
147	"	195	172	"	245
148	"	197	173	"	247
149	"	199	174	"	249
150	"	201	175	"	251
151	"	203	176	"	253
152	"	205	177	"	255
153	"	207	178	"	257

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

4. (a) At the present time no work is being done on any of the property as it will take extensive drilling for exploration purposes. Bulldozing work is not sufficient to properly explore the property. There has never been any actual mining operation on the property. There has been approximately $10,000.00 spent on bulldozing work in the Misery mine area for roads and some exploration work by dozer. Good commercial ore was uncovered with the dozer, and approximately two tons have been shipped to Union Carbon and Carbide, at Rifle, Colorado, which they accepted and milled. Later this ore body was wiped out by further bulldozing, and it is believed that the ore bodies lay lower and must be found by drilling.

Very little work has been done on the Tanner Boy and Red Hill claims. Approximately $2,500.00 has been spent on roads with bulldozer, and $1,000.00 spent for exploration by dozer and air compressor. The surface carries very good count, but it will take drilling to properly explore the property.

There has been approximately $3,000.00 spent on roads by bulldozing to the Joe and Bob claims, and approximately $2,000.00 on bulldozing for possible ore, but this type of exploration by dozer is not sufficient as the possible ore bodies are deeper and must be drilled.

All properties are accessible for examination at any time.

(b) None

(c) See inclosed Geologist's reports on the Misery Mines and the Tanner Boy and Red Hill claims. Have no report on the Joe and Bob claims.
Other persons in the area have similar formations and ore samples as the Misery Mine, and they have proven deposits and are shipping ore. We believe that we have as good or better property, but that there is only one way to prove it, which is by drilling. We believe that our property warrants exploration.

(d) All property is accessible. Roads are sufficient for exploration. Misery Mines are 4 miles from a railroad siding where a ramp could be built for loading ore. At the present time the closest loading ramp and shipping point is 10 miles. Supply would be at Canon City, Colorado, which is approximately 25 miles. Residence could be Parkdale, Colo., 10 miles or Canon City, 25 miles.

Tanner Boy and Red Hill claims are approximately 6 miles from Canon City which would be the shipping point, supply and residence.

Joe and Bob claims are approximately 20 miles from Parkdale, the shipping point, and are approximately 32 miles from Canon City, the point of supply and residence.

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

4.(e) Manpower, materials, supplies, equipment and water is readily available to all properties. No electricity is availavle for power. Generators could be set up for power if needed. We see no need for power at this time.

5.(b) It is proposed to do approximately $62,500.00 worth of drilling, broken down as follows: $35,000.00 in the Misery Mine and Satan claim group; $20,000.00 in the Tanner Boy and Red Hill claim group; $7,500.00 in the Joe and Bob group. We propose to furnish $12,500.00 of this sum and to obtain aid of $50,000.00 under DMEA. See attached maps.

Misery 56% 32% 12% 10%
J.B.

(d) Parkdale Uranium Corporation was organized by Lt. Col. Joe Dumic, retired, and Robert L. McMichael in October, 1954. Both parties have managed the corporation since that time to date, and they will continue to manage the corporation under this plan. The proposed work will be done under their management, but mainly under that of Joe Dumic. Since October, 1954, Joe Dumic has spent full time in the Uranium business and mining, and has acquired sufficient knowledge to manage this project.

6.(a) Independent contracts:
Bulldozing work-@ $100.00 per day,
estimated 50 days work per year..... $ 5,000.00

(b) Labor, Supervision and Geologist consultant.

Driller @ $500.00 per month x 12	6,000.00
Driller helper @ $300.00 per month x 12	3,600.00
Supervision @ $800.00 per month x 12	9,600.00
Geologist @ $50.00 per day for 30 days per year	1,500.00

(c) Operating materials and supplies:
Gas, oil, drill bits, and other supplies and
materials @ $2,000.00 per month x 12 ..... 24,000.00

(d) Operating equipment:
We own a Failing, 1000, core drill and water wagon both mounted on trucks, value approximately $12,000.00. We will furnish this equipment at no cost except for depreciation allowance of $333.33 per month x 12..... 4,000.00

(e) none
(f) none

(g) Miscellaneous:

Maintenance of equipment @ $50.00 per month x 12	600.00
Accounting, legal and other @$300.00 per month x 12..	3,600.00
Liability and other insurance $268.00 per year	268.00
Payroll taxes IE Social security $684.00 per year....	684.00

(h) Contingencies:
Loss of drill steel or other unforseen expenses..... 3,648.00
TOTAL FOR 12 MONTHS $62,500.00

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

Summary:

It is estimated that with the above expenses we can drill 200 feet per day, five days a week, for 52 weeks. This will total 52,000 feet of drilling for the year. 52,000 feet at a total cost of $62,500.00 will average approximately $1.20 per foot. This is a very low price per foot for drilling.

Instruction 3(d).

AGREEMENT AND CONTINGENT SALE

OF

INTEREST IN MINING CLAIMS

KNOW ALL MEN BY THESE PRESENTS:

That Earl M. Huddleston and L. C. Bowles, hereinafter referred to as parties of the first part, are the owners of a 1/2 interest in 14 Lode Mining Claims known as the Misery Mine Numbers 1 through 14 inclusive, and that Ira Scott, E. C. Scott and David I. Sheppard, hereinafter referred to as parties of the second part, are the owners of the other 1/2 interest in the subject 14 Lode Mining Claims ; that said first and second parties desire to have said mining claims explored, developed and mined; and that the Parkdale Uranium Corporation, a Colorado corporation, of the County of Fremont, hereinafter referred to as the party of the third part, is the owner of sufficient equipment, machinery and tools to explore, develop and mine the said claims of the first and second parties.

NOW THEREFORE, for the consideration of the money, covenants and agreements hereinafter set forth, the parties of the first and second parts have granted, sold, transferred, conveyed and assigned, and do hereby grant, sell, transfer, convey and assign unto the Parkdale Uranium Corporation, party of the third part, an undivided 1/2 interest into the below described mining claims. Parties of the first part each convey an undivided 1/8 interest leaving each party an undivided 1/8 interest. Parties of the second part convey an undivided 1/4 interest leaving said parties an undivided 1/4 interest.

The mining property covered by this agreement and sale is situate in the County of Fremont, State of Colorado, in Township 18 South, Range 73 West of the 6th P.M., in parts of Sections 14, 15 and 22, all are more particularly described in those certain location certificates now recorded in the records of the County of Fremont, State of Colorado, and bearing reception numbers as follows:

Location Certificate	Reception Number	Book and Page	
Misery Mine No. 1	295496	347	2
Misery Mine No. 2	295497	347	3
Misery Mine No. 3	295498	347	4
Misery Mine No. 4	295499	347	5
Misery Mine No. 5	295500	347	6
Misery Mine No. 6	295501	347	7
Misery Mine No. 7	295502	347	8
Misery Mine No. 8	295503	347	9
Misery Mine No. 9	295504	347	10
Misery Mine No. 10	295505	347	11
Misery Mine No. 11	295506	347	12
Misery Mine No. 12	295507	347	13
Misery Mine No. 13	295619	347	114
Misery Mine No. 14	295620	347	115

TO HAVE AND TO HOLD unto the said Parkdale Uranium Corporation, its heirs, successors and assigns, forever, or as long as it complies with the covenants contained herein.

The consideration to be paid by the party of the third part to the parties of the first and second parts is as follows:

One Thousand Dollars ($1,000.00) to be paid to the parties of the first part plus the assumption of the debt owed by the parties of the first part to one Elmore Glem in the sum of Nine Hundred Dollars ($900.00). Parties of the first part hereby warrant and agree that they will pay all the outstanding debts that were made for work, labor or material against the mining property herein mentioned.

One Thousand Dollars ($1,000.00) to be paid to the parties of the second part. All monies to be paid upon the signing of this instrument.

Party of the third part agrees to enter upon the mining property and do exploration and development work, and if sufficient commercial ores are found which the Atomic Energy Commission will purchase, mine and ship such commercial ores. Party of the third part agrees to use their best effort to obtain a contract from the Atomic Energy Commission to ship ore and, if necessary, to use the aid of the parties of the second part in obtaining a contract from the Atomic Energy Commission.

In the event that after the party of the third part enters upon the mining property, it is discovered that a sufficient quantity and quality of commercial ore is not present to make it profitable for the third party to mine and ship from said mining property, the party of the third part shall release all interest in and to the mining claims and shall sign any documents necessary to release or convey all the interests herein conveyed back to the first and second parties, free and clear of any interest in the third party.

In the event that commercial ores are found in sufficient quantity and quality to justify profitable mining, the third party agrees to enter upon the subject mining property and mine same in a workman like manner. Third party will pay all the expenses of the mining operation and be reimbursed the actual expenses of the mining and other actual costs which are direct to the mining costs out of the gross sales from the sale of ore. Party of the third part agrees to keep the actual costs of the mining operation as low as possible. The net profit from the sale of ore, after expenses of mining have been deducted, shall be divided among the first, second and third parties as follows: 1/8 to Earl M. Huddleston, 1/8 to L. C. Bowles, parties of the first part; 1/4 to Ira Scott, H. Q. Scott and

David I. Sheppard, parties of the second part; 1/2 to Parkdale Uranium Corporation, party of the third part.

The books and records kept by the third party on the mining operation, and mining property itself, shall be open for inspection at any and all times by parties of the first and second part.

If third party fails or refuses to mine and ship ore after a contract has been obtained from the Atomic Energy Commission to purchase the ore, this agreement and conveyance shall be released and the full interest in the mining claims shall revert back to the first and second parties in the interests herein conveyed. Weather and Acts of God will be taken into consideration before such release shall become effective.

IN WITNESS WHEREOF, We have hereunto subscribed our names this 16 day of January, 1956. The subscribing officers of the party of the third part sign and seal this instrument in behalf of the Corporation and by authority of its Board of Directors.

_____

_____
Parties of the First Part

_____

_____

_____
Parties of the Second Part

PARKDALE URANIUM CORPORATION

By _____
President

By _____
Secretary-Treasurer
Party of the Third Part

STATE OF COLORADO)
:ss
COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this 16 day of January 1956, by Earl M. Huddleston.
Witness my hand and official seal.

My Commission Expires_____

_____
Notary Public

STATE OF UTAH)
:ss
COUNTY OF)

The foregoing instrument was acknowledged before me this _____day of January, 1956, by L. C. Beadles.
Witness my hand and official seal.

My Commission Expires_____ _____
Notary Public

STATE OF COLORADO)
:ss
COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this _____day of January, 1956, by Ira Foott, R. Q. Foott and David I. Sheppard.
Witness my hand and official seal.

My Commission Expires_____ _____
Notary Public

STATE OF COLORADO)
:ss
COUNTY OF PUEBLO)

The foregoing instrument was acknowledged before me this _____day of January, 1956, by Joe Dunie and Robert L. Mottichael, President and Secretary-Treasurer of Fairdale Uranium Corporation, respectively.
Witness my hand and official seal.

My Commission Expires_____ _____
Notary Public

AMENDMENT AND ADDITION TO

AGREEMENT AND CONTINGENT SALE
OF
INTEREST IN MINING CLAIMS

To be attached to and made a part of the Agreement and Contingent Sale of Interest in Mining Claims by and between Earl M. Huddleston and L. C. Bowles, first parties; Ira Scott, R. Q. Scott and David I. Sheppard, second parties; and Parkdale Uranium Corporation, party of the third part.

Third party agrees to do the assessment work on the claims and to file the necessary affidavits and certificates to show that the yearly work has been done.

Third party agrees to notify by letter the first and second parties within ninety (90) days if third party intends to carry on under this agreement and contingent sale.

The fourth paragraph at top of page two in the agreement shall be changed to read as follows: To Have and to Hold unto the said Parkdale Uranium Corporation, its heirs, successors and assigns, for a period of fifteen months from this date, or as long as it complies with the covenants contained herein, or as long as third party carries on mining operations on said mining property.

IN WITNESS WHEREOF, We have hereunto subscribed our names this _____ day of January, 1956.

_____

_____
Parties of the First Part

_____

_____

_____
Parties of the Second Part

PARKDALE URANIUM CORPORATION

By _____
President

By _____
Secretary-Treasurer

Party of the Third Part

True Copy
Original all signed & sealed.

All covenants are complied with to date.

We have until April 16, 1957, and thereafter we must carry on some type of mining operation.

Instruction 4(c)

GEOLOGICAL REPORT

Encompassing Properties Held By
Parkdale Uranium Corporation in
the Devil's Hole Area of Fremont
County, Colorado

[illegible]

The property covered in this report is located as follows:

Fourteen contiguous U. S. Government claims comprising a block of approximately 280 acres in the central part of section 9, Township 18 South, 73 West of the 6th P.M., Fremont County, Colorado. The Devil's Hole is located approximate 20 miles West of Canon City, on the North side of the Arkansas River gorge.

TOPOGRAPHY

The area as located above has a basin-like topography, being enclosed on the North, East and West by granitic and rhyolitic ridges. The basin floor is composed of massive remnants of inter-mountain tertiary sediments. Major and minor faults are trending north-south and east-west direction within the basin and partially control deep erosional drainage patterns and sedimentary exposures. The medium soft tertiary sediments form rolling mounds and sharp knolls rising approximately 200 to 300 feet above the erosional stream cuts. Accessible roads have been completed in the exact areas of interest. However, temporarily the road is closed because of the increase of water in the Arkansas River due to the melting ice and snows. Parkdale Uranium Corporation is now completing negotiations to construct a bridge over the Arkansas River this month.

WATER AND TIMBER

Ample water supply for drilling operations is in the immediate vicinity. The highly wooded area will supply timber, in part, for possible timbering for prospective mining operations.

GEOLOGY

The Devil's Hole basin sedimentary deposits are believed to be either early or middle Tertiary in age. These sediments are tentatively called the Devil's Hole formation. The formation consists of Arkosic sandstones, yellowish-brown, medium hard to very soft, cross-bedding, in part to uniform stratification. Irregular bedding planes and the development of large and small lenses are common. The sandstone is porous and generally argillaceous; however, very carbonaceous in part, which makes an excellent host material for uranium mineralization. Local yellow staining and general coloration is due to hydrous iron oxide. Numberous lenses and uniform bedding planes of grayish-green clays to mudstones are intermittently distributed throughout the intercolated sandstones and friable arkosic zones. Below the above type sediments several sedimentary members ranging from a few inches to 4.5 feet in thickness, are composed of dark brown to black clay-mudstone; high carbonaceous with plant material, finely laminated in part with limonitic staining and are well compacted. The clay-mudstone is very micaceous, silty and has visible Autunite crystals in the more radioactive zones. These dark clay-mudstones are highly radioactive and mineralized with U_3O_8. Underlying this material is a yellow-brown sandstone, however, the base of this section is not known because it is not exposed on this group of claims.

URANIUM MINERALIZATION

Uranium mineralization occurs on the Misery Claim #7 and #8. The

remaining claims have not been covered with scintillation equipment thus far, [illegible] worked with the bulldozer. The Misery Claim #7 is in the NW/SE corner of section 9, Township 18 South, 73 West in the 6th P.M., Fremont County, Colorado.

A huge bulldozer cut 300 feet in length, depth average 2[illegible] feet, has [illegible] up a dark brown to a black clay-mudstone deposit, very [illegible] medium hard, and well compacted, in two separate areas [illegible] the [illegible] cut. The two zones are believed to be continuous, however, due [illegible] the dip [illegible] zone, it is not exposed. The cut runs NW/SE. [illegible] the exposure, the material as described above is the [illegible] material [illegible] uranium mineralization and has proved to be a medium [illegible] [illegible] are measures 20 feet [illegible] and [illegible] [illegible] ness. The bed is dipping [illegible] degrees down [illegible] cut. The strike is running NW/SE and plunges [illegible] degrees on the extreme end of the north exposure of the cut. The [illegible] continues into the bank and into the floor, and therefore at the present [illegible] it is impossible to estimate the total possible tonnage which may be [illegible] extracted. The top part of the vein has been stripped back four feet. The removal of this material has produced an increase in U_3O_8 concentration. A pilot shipment of 2300 lbs was sent to the Union Carbide Nuclear Company (Mill) in Rifle, Colorado, from the outer oxidised surface. The results are as follows: Radiometric reading .14, chemical results .18 percent U_3O_8. Lime content 1.7% and Vanadium .11 percent. This shipment was sent by Lt. Col. Joe Dunlo (Retd), President of Parkdale Uranium Corporation, and the results were obtained January 30, 1956. The shipment number was R 39530.

A second pilot shipment to Union Carbide Nuclear Company was extracted from the same vein during my presence on Feb. 7, 1956. This material was taken along the 21 feet face, however, 2 to 3 feet penetration was made along the entire section. The results are as follows; Radiometric reading .16, chemical .25 percent U_3O_8, Vanadium .18% and Lime content [illegible]. The shipment number was R 39880 for 1620 lbs. The mill reported this information to Mr. Dunlo, Feb. 9, 1956. The second shipment was definitely an improvement over the first pilot load. The values are increasing in depth and at the same time, the ratio between the radiometric and chemical are most advantageously in favor of the operator. This point is highly significant, especially in Tertiary sediment so near the surface. It is my opinion that this property definitely warrants detailed drilling exploration. In addition, the pilot shipment established two factors; one, the ore is of commercial grade, two, the mill at Rifle, Colorado, can and will process this type of material.

At the north end of the bulldozer cut the same bed re-appears on the floor level and measures 7 feet in length, the thickness is not known because it is not entirely exposed. The two ore bodies are 21 feet a part, however, they are dipping concavely towards one another. The present evidence obtained thus far will necessitate drill hole information. The total mineralized linear distance measures approximatel, 100 feet in length, (not all ore grade, .10 percent U_3O_8) including minor and significant traces of U_3O_8 of the total 300 feet bulldozer cut.

The overlying material consist of medium hard to friable sandstones, medium to coarse grain, limonitic staining in part and carrying little or no count other than the contact. Numerous thin layers and lenses of clay are intermittently distributed throughout the 20 to 30 feet of overburden. The clay zones carry a slight scintillation count.

The Misery Claim #8, SE NE corner of section 9, Township 18 South, range 73 West, has three highly significant ore-type deposits.

A bulldozer cut 60 feet in length, cut down approximately 10 to 12 feet in depth, is located on the south slope of the main ridge on this claim. Here, as on Misery Claim #7, the ore body deposit is similar in structural arrangement, however, the main two ore-type developments are separated by a convex thinning which arches up 6 feet between the two maximum concave deposits.

The average thickness of these two zones are approximately 1 to 2.5 feet thick. Linear measurements are 9 and 16 feet in length. The distance between the two zones is 21 feet. The clay-mudstone, carbonaceous material is continuous throughout the 60 foot cut. In the center of the cut the bed thins to a few inches and has little radiometric count. The beds dip into the side of the cut about 12 degrees. The section above this zone is a series of sand and clay as on Misery #7. The two concave deposits as described above are believed to be .14 to .20 percent U_3O_8, however, no chemical assays have been taken from this claim.

Approximately 500 feet East on the same claim, following the slopes, two other similar conditions show strong evidence towards potential ore bodies. However, these prospects will have to be drilled in order to gain more conclusive evidence as to magnitude and quality of ore-type deposits.

In general, Misery Claims #7 and #8 are highly mineralized with U_3O_8. Samples collected by Mr. Tumic have revealed that the chemical values have been several points higher than the radiometric readings on the same given sample. Obviously, this is important in making shipments to the Mill, as well as the financial benefit.

RECOMMENDATIONS AND CONCLUSIONS

Uranium Mineralization, as pointed out in the preceding paragraphs, does exist throughout both claims, and in addition, occurs in a commercial percentage of Uranium as well as in apparent commercial quantities. The present ore that Parkdale Uranium Corporation has shipped and has stock piled now, is of a secondary type-ore, however, in addition to visible crystals of Autunite, other deposits of U_3O_8 are present and suggest a close association of both primary and secondary ore. Only by a drilling program can these primary and secondary sources be reached to determine size and extent. Each time additional depth has been taken with the bulldozer, larger bodies of U_3O_8 have been found with higher concentrations of U_3O_8. A comprehensive and well planned drill program should "block out" the present existing deposits, as well as additional larger bodies with depth.

H. W. Lee, Jr.
Consulting Geologist

Instruction 4(c)

"Preliminary Geological Report
on Properties Held by Parkhale
Uranium Corporation in Fremont
County, Colorado"

LOCATION

The property covered in this report is located as follows

Sixteen unpatented mining claims comprising a block of 320 acres. Group I, Red Hill claims, numbers 2 through 3 and 5 through 9 inclusive, and Group II Tanner Bay, Numbers 2 through 8 inclusive, all situated in Section 15, Township 19 South, Range 71 West of the 6th P.M., Fremont County, Colorado.

TOPOGRAPHY

The area described above comprises a series of rugged Pre-Cambrian igneous peaks with deep valleys and narrow connecting ridges. The slopes average from 25° to 45° and as much as 60° along the Grape Creek erosional drainage cuts. The trend of the ridges ranges from North 70° West to West in conformity with the general area. Jeep roads have been bulldozed through this group of claims and areas of interest are accessible. The town of Canon City is approximately 6 miles North of this property. The elevation ranges from 5500 to 6400 feet above sea level and year round mining operations are possible.

GEOLOGY

The claims in this report consist of Pre-Cambrian igneous and metamorphic rocks equivalent to the Pikes Peak granite age. The granite or coarse grained pegmatites have similar texture and mineralogical composition as the Pikes Peak formation. This group of claims are situated within the northeast corner of the Wet Mountain Range. During the post-Cretaceous granite up lift the Dakota formation, was up thrust and pinched out along the Pre-Cambrian granites in this area. The contact is seen along the northern part of the above group claims. Both the Morrison and Dakota formations are visible, only highly, fissured and faulted, and generally appear as remnants. However, the sedimentary rocks are several hundred feet in thickness in a few places.

URANIUM MINERALIZATION

Uranium mineralization occurs at the surface on several different claims within these two groups. Autunite, thus far, has been found primarily in the biotite schist and in the coarse grained granites of Pre-Cambrian age. Fractures and fissures filled with decomposed and weathered granite have been lightly saturated with Autunite in part, however, these are carrying a medium radiometric count and have not been assayed for chemical content, as yet. The general area of uranium mineralization covers a linear distance of approximately 3/4 of a mile.

On March 28, 1954, I collected samples from a granite biotite schist, and sent some samples to Union Carbide Nuclear Company, at Rifle, Colorado. The material sent in came from a 2 foot face in a hand dug pit, approximately 8 feet in depth. It was witnessed that with depth taken, the radiometric increased greatly and the host material was widening at the same time. On April 14, the results were obtained from Rifle, Colorado as follows; Sample No. 1 taken from the wall rock (feldspar granite) 5 feet from the center of the granite biotite schist. Ticket No. 7868, 0.08 radiometric U_3O_8 percent; Sample No. 2, a collective sample taken along the base of the granite biotite schist. Ticket No. 7867 revealed a 0.20 radiometric with

[illegible] chemical percent U_3O_8. The sample was identified by Union Carbide as being Autunite. The significant factor here is that material has a higher chemical value than the radiometric reading. This would be important in making shipments to a mill as well as being more profitable.

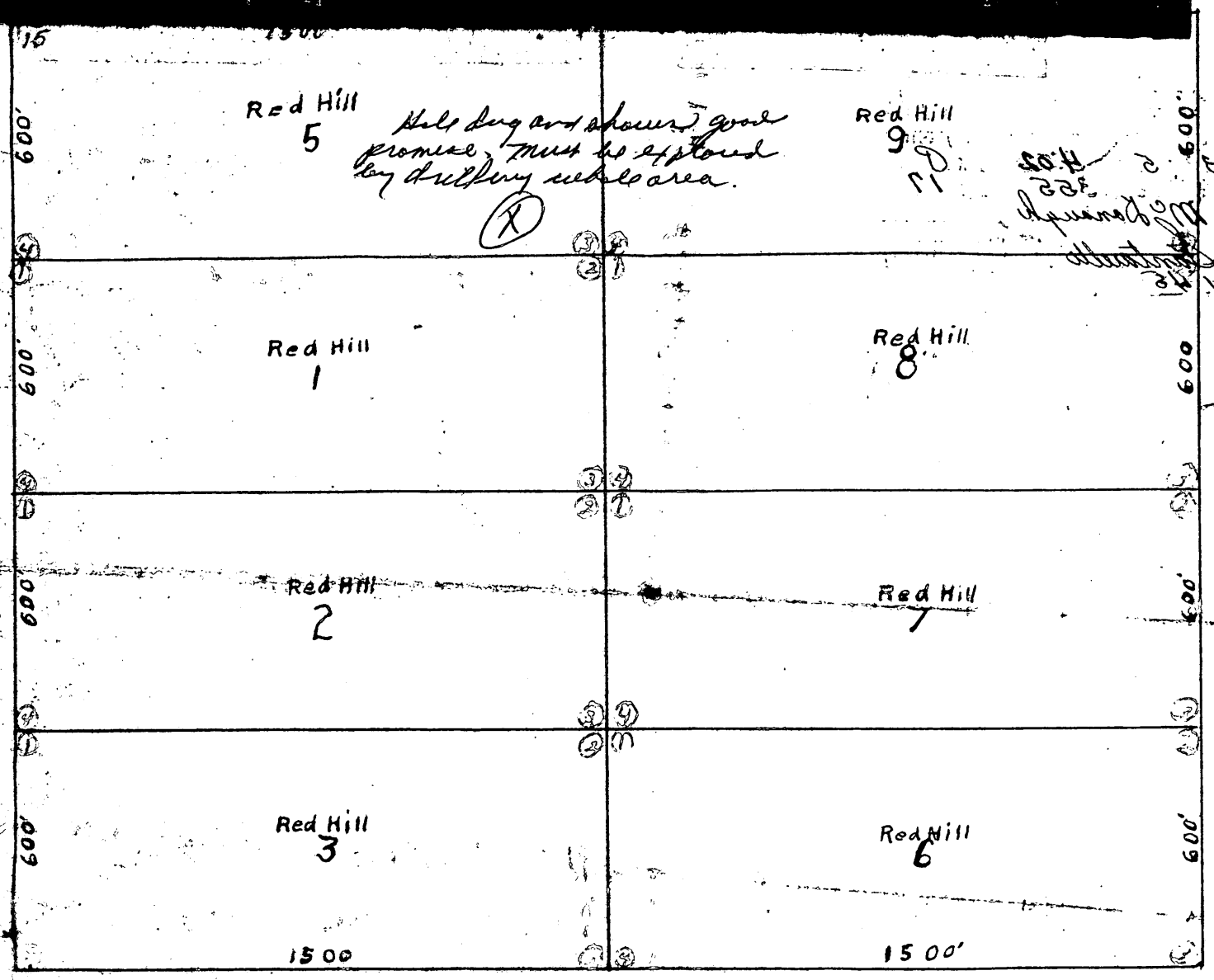
RECOMMENDATION and CONCLUSIONS

Uranium mineralization, as pointed out in the preceding paragraphs, does exist on several claims and covers a large area. However, at this time, the present exploration is inadequate to determine the ultimate potential of the commercial Autunite type ore which has been exposed to date. The area should be diligently traversed with scintillation equipment to determine the maximum concentrations of uranium mineralization along the various minor faults and fractures. The host material is favorable, being [illegible] permeable and porous in part, and having fracture porosity. It is recommended that additional bulldozing be done in order to determine the present existing Autunite bodies, as well as to trace out the possibility of primary source material. After the above has been accomplished it is suggested that drill locations be made for future drilling exploration in order to blockout existing ore bodies for purposes of mining operations.

Extensive exploration is now taking place on the Eastern slope in this type Pre-Cambrian formation. The Denver-Golden Corporation Mine at Golden, Colorado and the Schwartzwalder Mine, Ralston Creek, at Golden, are now shipping this type of ore.

It is my geological opinion that with continued exploration this property has a great potential.

H. W. LEE, JR.
Consulting Geologist



Tanner Bay Claims

Mineral Claims
Sec. 15 T19S R71W
Fremont Co. Colo.

7-24-55

1" = 400'

B. A. Newton
Reg. Engr.

August 3 5 3.53 355 P 18
Mary J. McDonough
Ura Santarelli
1.45

MAP

N

10 11
15 14

761' Sec. line

600' 600' 600' 600'

TANNER BOY NO. 8

TANNER BOY NO. 3

TANNER BOY NO. 2

TANNER BOY NO. 1

Red Hill Claims

1500'

1500'

Mineral Claims
Sec. 15 T19 S R 71 W
Fremont Co. Colo.
7-24-53
1" = 400'
B. A. Newton
Reg. Engr.

TANNER BOY NO. 7

TANNER BOY NO. 4

TANNER BOY NO. 5

TANNER BOY NO. 6

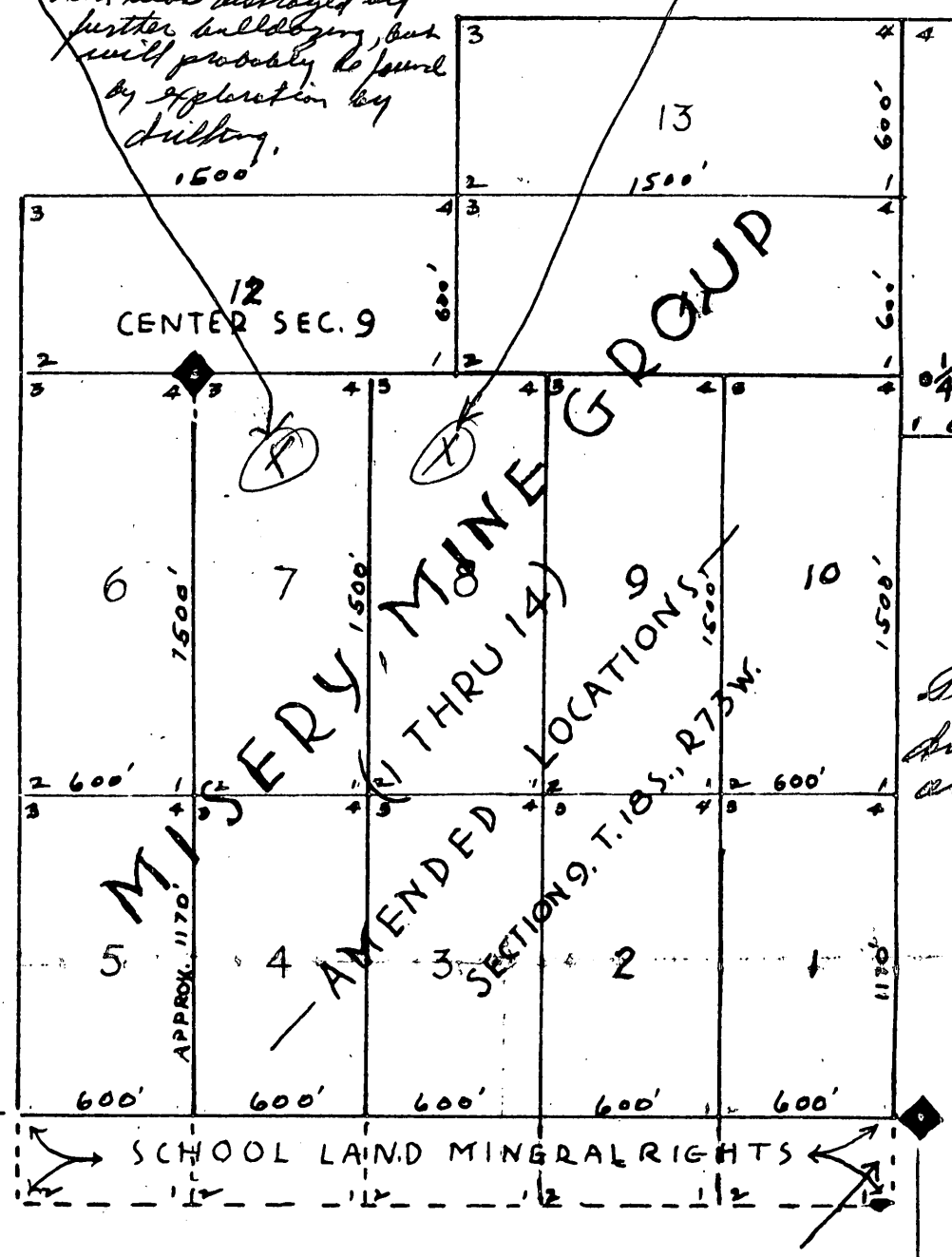
1500'

1500'

600' 600' 600' 600'

AMENDED LOCATION of
MISERY MINE GROUP
LOCATED APR. 5, 1956
BY EARL M. HUDDLESTON
L.C. BOWLES
MARK D. WALRATH

COUNTY OF FRESNO } I hereby certify that this instrument was filed for record in my office Feb. 22, 1956, at 2 P.M. and duly recorded in Book ... Official Records. Wm. Ben Hall, Jr., Recorder.
By Wayne Morrison Deputy
Fee 1.25



Plan & test drill the entire area.

S. ¢16.

5/20/57

NOTE TO FIIE:

Per phone conversation with James Paone, USBM, he concurs in recommendation of the Field Team to deny the application.

His comments were prepared, but apparently lost after typing.

F M Murphy

F. M.Murphy

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-15	Murphy	700
5-20		700
5/20	[illegible]	130
5/20	[illegible]	130
5 20	Kilsgaard	130
"	[illegible]	110
	Mittendorf	100
5/21	[illegible]	220
		228

MAY 20 1957

Mr. Robert L. McMichael
Secretary and Treasurer
Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. McMichael:

Your application for aid in an exploration project and other information available to us in Washington concerning the above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting some minor uranium mineralization on your property, indicates that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

As requested, we are returning copies of two reports by H. W. Lee, Jr., (identified as "Instruction 4(c)"), which you submitted with your application.

We wish to thank you for your interest in the Defense Minerals Exploration Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosures
FMMurphy/izm 5-15-57
cc to: Mr. Murphy
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA Field Team, Reg. III (2)

8623

Docket

May 15, 1957

Summary of Proposed Project

Murphy

Object: Denial of application for exploration aid.

Docket No.: DMEA-4498

Commodity: Uranium

Applicant: Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Property Rights: ½ ownership in 14 Misery Mine claims, situated in sec. 9, T. 18 S., R. 73 W., 6 P. M.; owner of 10 (amended from 20) Satan claims, situated in secs. 10 and 15, T. 18 S., R. 73 W., 6 P.M.; owner with 10% royalty on 8 Red Hill and 8 Tanner Boy claims situated in sec. 15, T. 19 S., R. 71 W., 6 P.M.; and ½ interest in 50 Joe and Bob claims situated in secs. 11, 12, 13, 14, 23, and 24, T. 18 S., R. 73 W., 6 P.M.,

Date of Application: October 4, 1956

Amount of Application: $62,500.00, amended January 12, 1957 to $48,831.00

Referred to Region III: February 1, 1957

Field Examination made: March 5 and 6, 1957

Field Team Report received: May 8, 1957

Work Proposed and Costs: (amended application)

$18,968.00 on Misery Mine claims;
4,696.00 on Satan claims;
14,462.00 on Joe and Bob claims; and
10,705.00 on Tanner Boy and Red Hill claims as follows:

Bulldozing, 50 days @ $100/day	$5,000.00	
Labor, supervision and consultants	15,900.00	
Operating materials and supplies	18,000.00	
Depreciation on Operator's equipment, 9 months @ $333.33/month	2,999.97	
Miscellaneous	3,931.00	
Contingencies	3,000.03	
TOTAL		$48,831.00

Excerpts from Field Team Report:

On the Misery Mine claims uranium occurs in sandy carbonaceous shale beds ranging from a few inches to 18 inches in thickness that can be traced along a distance of 10 to 200 feet. Only low abnormal radioactivity was found on the claims. A 2-ton shipment of ore from Misery Mine No. 7 depleted the reserves from one of the thickest radioactive beds, indicating the amount of ore to be expected. Drilling on the nearby Josey-Roper claims under DMEA-3786, Idm-E907 disclosed no commercial uranium ore bodies.

A sample from Misery Mine No. 6 claim assayed 0.204% U_3O_8, it was a grab from the most radioactive part of a layer only 6 inches thick. The amount of ore in this bed is probably less than a ton. The possibility of finding a substantial tonnage of ore on the Misery Mine claims is poor.

The Satan and Joe and Bob claims are underlain by Precambrian gneisses and granitic rocks; and Tertiary volcanic rocks. Abnormal radioactivity was recorded in the volcanic rocks on the Joe and Bob claims, none was observed on the Satan claims. The radioactivity in the rhyolitic tuff is very widespread, but nowhere does it appear to be high enough to indicate ore-grade material. Samples from the Joe and Bob claims contained only 0.003% U_3O_8.

The Tanner Boy and Red Hill claims are underlain by gneisses, granitic rocks, and "diabase" dikes of Precambrian age; and Dakota sandstone of Cretaceous age. Abnormal radioactivity was noted on Red Hill Nos. 1 and 2 claims in trenches exposing a biotite-microcline rock. The examiners believe that the radioactivity is due to small amounts of uranium and thorium present in minerals disseminated throughout the rock, such as appatite, zircon, and rare earths, and also the potassium in the biotite and the microcline. A sample from an 8-inch thick pod of radioactive Precambrian biotite-microcline rock, taken from a pit on Red Hill No. 2 claim, assayed 0.032% U_3O_8.

The examiners note that there is no geologic evidence to indicate that uranium ore bodies will be found that will be larger or of higher grade than those examined. Therefore they recommended denial of the application. The Field Team concurred in this recommendation.

Commodity Member's Comments:

U. S. Geological Survey - N. E. Nelson, May 14, 1957.

Concurs in recommendation of the Field Team to deny the application.

U. S. Bureau of Mines - JamesPaone, May 20, 1957

Per telephone conversation, Mr. Paone concurs in recommendation of Field Team to deny the application.

Rare and Miscellaneous Metals Division: F. M. Murphy, May 15, 1957:

Data submitted by the field examiners indicate that none of the claim groups show favorable geological indications of uranium potentiality. The rock showing mineralization is in small thin beds or pods that do not present adequate drilling targets. Moreover, samples taken from the places showing highest radioactivity showed no significant ore-grade mineralization.

Conclusion and Recommendations:

This Division agrees with the findings of the field examiners in regard to the subject claim groups and concurs in the Field Team's recommendation to deny application DMEA-4498.

F M Murphy

for Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 17 1957

DATE	INITIALS	CODE
5/17	JWD	220
5/17	[illegible]	700

May 14, 1957
Re: DMEA 4498
Parkdale Uranium Corporation
Misery, etc. Groups
Fremont County, Colorado
$48,831.00 - Uranium

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring, by drilling, 6 groups of claims, so situated as to comprise 3 consolidated tracts.

The various groups are underlain by 3 types of anomalously radioactive rocks, as:-

Group	Uranium occurs in
Misery	Tertiary sedimentary rocks (Sandstone, Mudstone, Sandy Carbonaceous shale)
Joe and Bob	Tertiary volcanic rocks, Tuff
Red Hill	Precambrian biotite-microcline gneiss
Satan and Tanner	No radioactivity

Although the radioactivity occurs in several places and in the three types of rocks, the examiners found no significant quantity of ore grade material. Two pilot samples, of about 1 ton each, which assayed 0.18 and 0.25% U_3O_8 depleted ore lens. A grab sample of a 6-inch layer assayed 0.204% U_3O_8 but again the amount exposed is small, probably less than a ton.

Drilling on the nearby Josey-Roper claims under DMEA contract Idm-E907 disclosed no commercial ore bodies.

The examiners conclude the chances of finding ore bodies of consequence are small and they and the Field Team recommend denial of the application.

The conclusions are well supported and I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

May 6, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 8 1957

DATE	INITIALS	CODE
5/8	C	220
	esf	130
5/14		220
		700

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA ~~1498, (Uranium)~~ Parkdale Uranium Corporation (Misery Mine et al. Groups of Claims) Fremont County, Colorado

Enclosed are the original and three copies of the Joint Report of Examination on the subject property by Carl Belser, USBM, and Robert C. Pearson, USGS.

The field examiners conclude that the probability for making a significant discovery is not sufficiently promising to justify Government participation. Accordingly they recommend that the Applicant's work proposal be denied to which the Field Team concurs.

E. N. Harshman

E. N. Harshman
Acting Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
5/13/57
(date)

ON-SITE EXAM. REPORT

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
MAY 3 - 1957
REGION III
DENVER, COLORADO

TRANSMITTED
MAY 6 1957

May 3, 1957

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
A. S. Konselman

Subject: DMEA Docket 4498 (Uranium), Parkdale Uranium Corporation (Misery mine et al. groups of claims) Fremont County, Colorado

Enclosed are the original and nine copies of a joint examination report by Robert C. Pearson, U. S. Geological Survey, and Carl Belser, U. S. Bureau of Mines, in which denial of the subject application is recommended.

The application was referred to the field for examination by the Chairman's letter of February 1, 1957, and the examination was made on March 5 and 6, 1957,--the delay was caused by heavy winter snows.

The applicant requested Government assistance in an exploration program comprising 52,200 feet of drilling at an estimated cost of $62,500.00.

Uranium occurs on the claim groups associated with Tertiary sedimentary and volcanic rocks and Precambrian gneiss.

The examining team concludes that the mineralized material on the claims is either very low grade or, if ore grade, it occurs in insignificant amounts. They recommend that the application for exploration assistance be denied.

We concur with the conclusions and recommendations.

E. N. Harshman
E. N. Harshman
Member, Field Team

A. S. Konselman
A. S. Konselman
Mining Engineer

Reviewed by
DMEA OPERATING COMMITTEE
5/13/57
(date)

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 8 1957

DATE	INITIALS	CODE

Enclosures (10)
ENHarshman:mp

FOR UNITED STATES GOVERNMENT USE ONLY

TRANSMITTED

MAY 6 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

ORIGINAL FILE COPY
DMEA
RECEIVED MAY 8 1957
DATE

DMEA 4498

Parkdale Uranium Corporation

Misery mines, et al.

Fremont County, Colorado

Uranium

Joint Engineering and Geological Report

by

Robert C. Pearson, Geologist
Geological Survey

Carl Belser, Mining Engineer
Bureau of Mines

May 2, 1957

Reviewed by
DMEA OPERATING COMMITTEE
5/13/57
(date)

CONTENTS

	Page
Introduction and summary	1
Acknowledgments	2
Location, topography, and climate	2
History and production	4
Ownership and extent	4
Present status	8
Exploration and development	8
Mining and milling equipment and other facilities	8
Geology	8
Sampling and ore reserves	15
Applicant's estimated cost of project	16
Conclusions and recommendations	18

ILLUSTRATIONS

Figure	Follows page
1. Location map, Uranium properties, Parkdale Uranium Corporation, Fremont County, Colorado	2
2. Location map of various uranium groups, Parkdale Uranium Corporation, Fremont County, Colorado	2

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 8 1957
CODE
DATE

DMEA 4498

PARKDALE URANIUM CORPORATION
MISERY MINES ET AL.
FREMONT COUNTY, COLORADO

INTRODUCTION AND SUMMARY

Parkdale Uranium Corporation, Joe Dumic, president, 1601 Lexington Road, Pueblo, Colorado, on October 4, 1956, applied for aid from the Defense Minerals Exploration Administration to explore for uranium ore on the Misery mines, Satan, Joe and Bob, Red Hill, and Tanner Boy groups of claims in secs. 9, 10, 11, 12, 13, 14, 15, 23, and 24, T. 18 S., R. 73 W., and sec. 15, T. 19 S., R. 71 W., of the 6th P. M., Fremont County, Colorado. The applicant requested aid in exploring the above groups by 52,000 feet of drilling at a total estimated cost of $62,500.00. The application was later amended to 26,000 feet of drilling at an estimated cost of $48,831.

The examining team visited the properties on March 5 and 6, 1957.

Uranium occurs on the Misery mine claims disseminated through sedimentary rocks of Tertiary (?) age, on the Joe and Bob claims it occurs in Tertiary volcanic rocks, and on the Red Hill claims in small pods of biotite-microcline rock in a Precambrian gneiss sequence. No anomalously radioactive rock was observed on the Satan and Tanner Boy claims.

The Misery mine claims are developed by three bulldozer cuts and one drill hole, the Joe and Bob claims are developed by one bulldozer cut and the Red Hill claims by a bulldozer cut and small pits.

The examining team recommends that the application be denied because assays are low and because it is believed that no substantial tonnage of ore is likely to be found on these claims.

ACKNOWLEDGMENTS

Joe Dumic, president of Parkdale Uranium Corporation, accompanied the examining team during the examination.

The Atomic Energy Commission was consulted before the examination was made. Memoranda of George C. Selfridge and N. E. Nelson were noted.

LOCATION, TOPOGRAPHY, AND CLIMATE

The five claim groups are in Fremont County, Colorado.

The Misery mine group consists of 14 claims in secs. 9 and 16, T. 18 S., R. 73 W., sixth principal meridian (figs. 1 and 2). It is located near the north end of a subcircular drainage basin called Devil's Hole that drains south to the Arkansas River via Echo Canyon. Echo Canyon enters the river about 18 miles west of Canyon City. The altitude of the claims is about 7,000 feet.

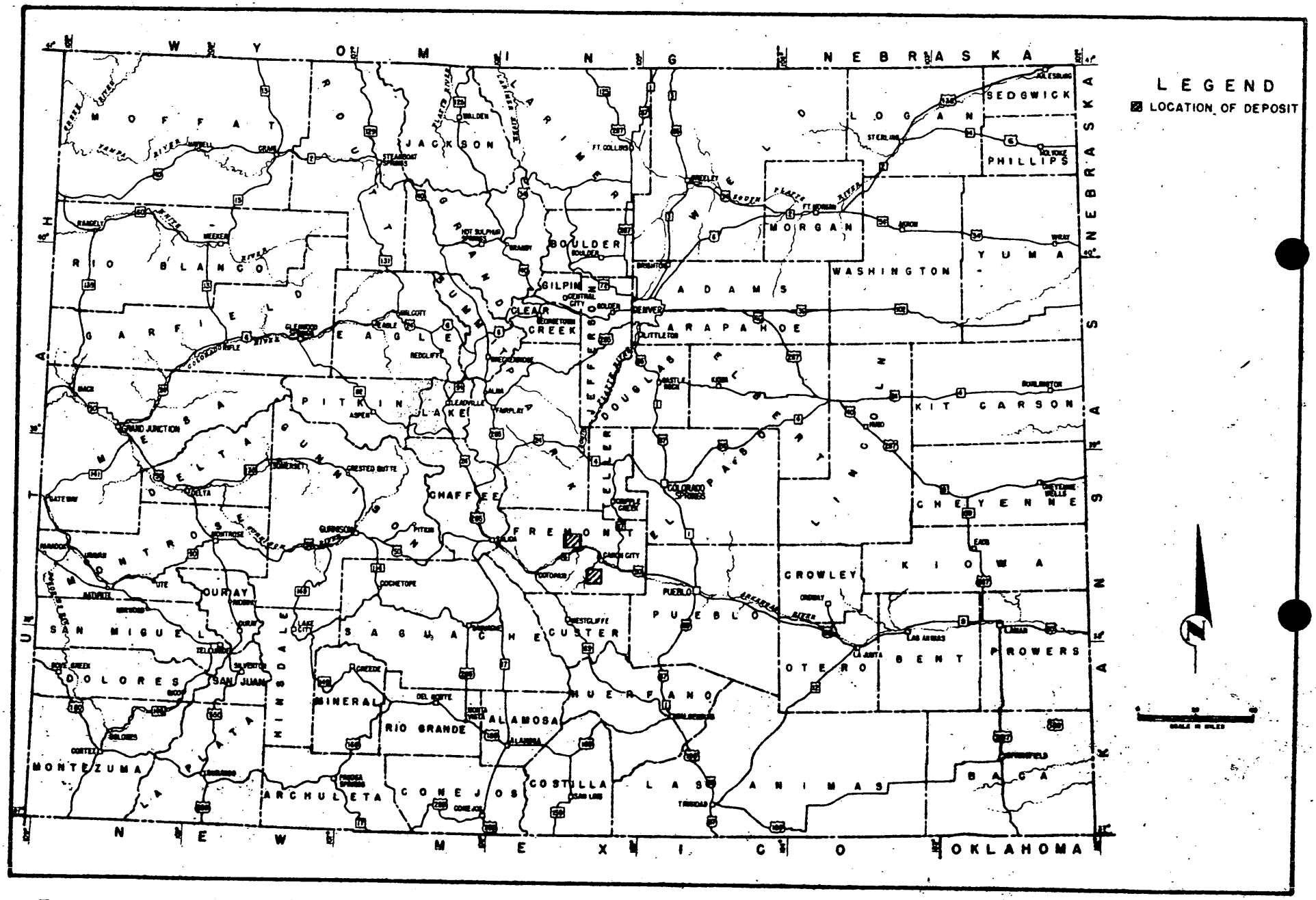


FIGURE 1 – LOCATION MAP, URANIUM PROPERTIES, PARKDALE URANIUM CORPORATION, FREMONT COUNTY, COLO.
DMEA 4498

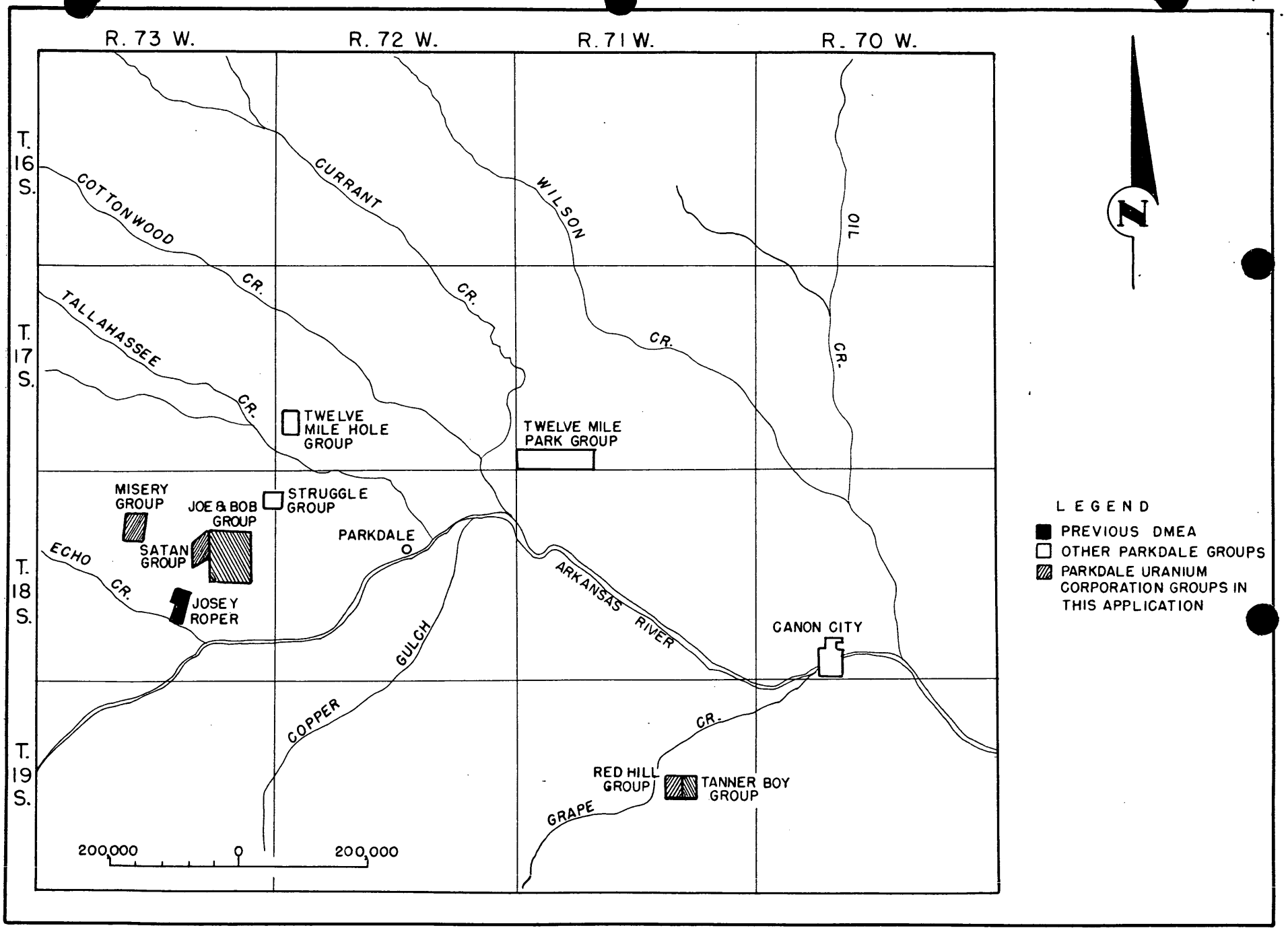


FIGURE 2 – LOCATION MAP OF VARIOUS URANIUM GROUPS, PARKDALE URANIUM CORPORATION, FREMONT COUNTY, COLO.
DMEA 4498

The Satan group of 10 claims is in secs. 10, 11, 14, and 15, T. 18 S., R. 73 W., sixth principal meridian (figs. 1 and 2). These claims are on the steep east side of Devil's Hole, about a mile east-southeast of the Misery mine claims.

The Joe and Bob group of 50 claims is in secs. 11, 12, 13, 14, 23, and 24, T. 18 S., R. 73 W., of the 6th P. M., and join the Satan group on the east. The Joe and Bob claims lie astride the high flat-topped ridge east of Devil's Hole known as Sheep Basin.

The Red Hill and Tanner Boy groups are contiguous and consist of 8 claims each, in sec. 15, T. 19 S., R. 71 W., 6th P. M., about 6 miles west-southwest of Canon City. They are on the northeast flank of the Wet Mountains at altitudes of about 6,600 feet. Much of the area underlying these claims is gently rolling, but the westernmost claims are on the steep southeast side of Grape Creek Canyon.

An access road extends up Echo Canyon from Echo, a station on the Denver & Rio Grande Western railroad on the Arkansas River; however, there is no bridge across the river to U. S. Highway 50. The first 2 miles of the access road is in fair condition. At that point the road forks: the left fork is a poor road, 2 miles long, that connects with the Misery mine claims; the right fork is a very steep and rough access road about 3 miles long to the Satan and Joe and Bob claims. Another road with a better grade is said to connect the Joe and Bob claims with the Tallahassee Creek road to the north,

but this road was blocked with snow at the time of the examination. Water for drilling the Misery mine, Satan, and Joe and Bob claims would have to be hauled from the Arkansas River. Only scrub timber, mostly pinon pine, grows on the property.

The Red Hill and Tanner Boy groups are reached from Canon City over 5 miles of good county road and 2 miles of fair access road. Water for drilling could be hauled from Grape Creek, 5 miles distant.

Drinking water for all the groups could be trucked from Canon City, which is also the nearest source for supplies and labor.

HISTORY AND PRODUCTION

All the claims submitted were located in 1955 and 1956, and were probably staked following drilling on the Josey-Roper claims, which were explored under DMEA contract Idm-E 907. Production consists of two small shipments of about a ton each that were sent to Rifle, Colorado, which are said to have contained 0.18 and 0.25 U_3O_8.

OWNERSHIP AND EXTENT

The 90 claims subject to this application are recorded in the office of the County Clerk and Recorder of Fremont County as follows:

Claim	Book	Page	Discovery date	Locator
Misery No. 1	347	2	5/5/55	L.C. Bowles, Mark D. Waldroth and Earl M. Huddleston
" " 2	"	3	"	
" " 3	"	4	"	" " "
" " 4	"	5	"	" " "
" " 5	"	6	"	" " "
" " 6	"	7	"	" " "
" " 7	"	8	"	" " "
" " 8	"	9	"	" " "
" " 9	"	10	"	" " "
" " 10	"	11	"	" " "
" " 11	"	12	"	" " "
" " 12	"	13	"	" " "
" " 13	"	14	4/5/55	" " "
" " 14	"	15	"	" " "
Satan No. 1	365	433	2/17/56	Parkdale Uranium Corp.
" " 2	"	435	"	" " "
" " 3	"	437	"	" " "
" " 4	"	439	"	" " "
" " 5	"	441	"	" " "
" " 6	"	443	"	" " "
" " 7	"	445	"	" " "
" " 8	"	447	"	" " "
" " 9	"	449	"	" " "
" " 10	"	451	"	" " "

Note: The company dropped 10 claims and changed nos. 11 to 20 to 1 to 10.

Claim	Book	Page	Discovery date	Locator
Red Hill No. 1	356	308	5/12/55	Robert L. Austin and J.B. Overfelt
" " " 2	"	310	4/20/55	
" " " 3	"	312	"	" " "
" " " 5	"	314	5/12/55	" " "
" " " 6	"	316	"	" " "
" " " 7	"	318	"	" " "
" " " 8	"	320	5/28/55	" " "
" " " 9	"	322	6/22/55	" " "

Claim	Book	Page	Discovery date	Locator
Tanner Boy No. 1	356	324	6/30/55	Robert L. Austin and
" " " 2	"	326	"	J.B. Overfelt
" " " 3	"	328	"	" " "
" " " 4	"	330	"	" " "
" " " 5	"	332	"	" " "
" " " 6	"	334	"	" " "
" " " 7	"	336	"	" " "
" " " 8	"	338	"	" " "
Joe & Bob No. 129	353	159	4/16/55	Parkdale Uranium Corp.
" " " " 130	"	161	"	" " "
" " " " 131	"	163	"	" " "
" " " " 132	"	165	"	" " "
" " " " 133	"	167	"	" " "
" " " " 134	"	169	"	" " "
" " " " 135	"	171	"	" " "
" " " " 136	"	173	"	" " "
" " " " 137	"	175	"	" " "
" " " " 138	"	177	"	" " "
" " " " 139	"	179	4/18/55	" " "
" " " " 140	"	181	"	" " "
" " " " 141	"	183	"	" " "
" " " " 142	"	185	"	" " "
" " " " 143	"	187	"	" " "
" " " " 144	"	189	"	" " "
" " " " 145	"	191	"	" " "
" " " " 146	"	193	"	" " "
" " " " 147	"	195	"	" " "
" " " " 148	"	197	"	" " "
" " " " 149	"	199	4/19/55	" " "
" " " " 150	"	201	"	" " "
" " " " 151	"	203	"	" " "
" " " " 152	"	205	"	" " "
" " " " 153	"	207	"	" " "

Claim	Book	Page	Discovery date	Locator
Joe & Bob No. 154	353	209	4/19/55	Parkdale Uranium Corp.
" " " " 155	"	211	"	" " "
" " " " 156	"	213	"	" " "
" " " " 157	"	215	"	" " "
" " " " 158	"	217	"	" " "
" " " " 159	"	219	4/20/55	" " "
" " " " 160	"	221	"	" " "
" " " " 161	"	223	"	" " "
" " " " 162	"	225	"	" " "
" " " " 163	"	227	"	" " "
" " " " 164	"	229	"	" " "
" " " " 165	"	231	"	" " "
" " " " 166	"	233	"	" " "
" " " " 167	"	235	"	" " "
" " " " 168	"	237	"	" " "
" " " " 169	"	239	"	" " "
" " " " 170	"	241	"	" " "
" " " " 171	"	243	4/21/55	" " "
" " " " 172	"	245	"	" " "
" " " " 173	"	247	"	" " "
" " " " 174	"	249	"	" " "
" " " " 175	"	251	"	" " "
" " " " 176	"	253	"	" " "
" " " " 177	"	255	"	" " "
" " " " 178	"	257	"	" " "

The Misery claims were transferred by L. C. Bowles and Earl M. Huddleston to the Parkdale Uranium Corporation on January 16, 1956, and the transfer is recorded in Book 365, page 97.

The Red Hill and Tanner Boy claims were transferred by Robert L. Austin and J. B. Overfelt to the Parkdale Uranium Corporation on February 6, 1956, and the transfer is recorded in Book 365, page 95.

The recordings seem to be in order and no conflicting locations were noticed. However, some of the claims, especially on the Satan group, should have their numbers changed.

PRESENT STATUS

Exploration and development

Work done on the Misery mine claims Nos. 6 and 7 consists of bulldozer cuts and one drill hole. Joe and Bob claim No. 141 has a surface cut. Red Hill No. 2 claim has a 4-foot pit, and Red Hill No. 8 a bulldozer cut.

Mining and milling equipment and other facilities

There is no mining or milling equipment on the property. Other facilities consist of several miles of access roads leading to various parts of the claim groups.

GEOLOGY

Misery mine claims

On the Misery mine claims uranium occurs in detrital sedimentary rocks of Tertiary (?) age. These occurrences are virtually identical to those on the Big Bear and Big Hole claim groups, about 1-1/2 miles to the south, described by R. U. King in a DMEA examination report (Docket 3786).

The rocks in Devil's Hole are gneisses and granitic rocks of Precambrian age, sedimentary rocks of Tertiary (?) age, and volcanic rocks of Tertiary age. Overlying the Tertiary (?) sediments and Precambrian rocks is a deposit of boulder conglomerate of Tertiary age, or younger.

The Tertiary (?) sediments occupy about 4 square miles in the low, central portion of Devil's Hole; these deposits are in contact with Precambrian rocks on the east, south, and west, but to the north the volcanic rocks may overlie the Tertiary (?) sediments. A thick series of volcanic rocks forms the high rim on the north and northeast sides of the basin.

The Precambrian rocks are mainly biotite-quartz-feldspar gneisses with minor amounts of interlayered lime-silicate rock that are strongly contorted and have a northeasterly strike and steep dip. Abundant granite pegmatite cuts the gneisses.

In the Tertiary (?) sediments three principal rock types exist: sandstone, mudstone, and sandy carbonaceous shale. Uranium occurs principally in the latter.

The most abundant rock type is a group of light-gray to buff crossbedded friable feldspathic sandstones and conglomerates. The grain size ranges from coarse sand to fine conglomerate. These beds are composed principally of angular feldspar and quartz grains up to a half inch in diameter and have conspicuous mica in some beds and

on bedding planes. The beds are lenticular and range from a few inches up to several feet thick. Most beds are strongly cross-bedded.

Interlayered with the sandstones are lenses of greenish-gray mudstone some of which are sandy and pebbly. At places the mudstone possesses low radioactivity.

The sandy carbonaceous shale is dark brown to gray as a result of carbonized fossil plant debris. This rock is the most radioactive in the area. The carbonaceous beds are actually thin lenses that range from a few inches to 18 inches in thickness and can be traced from 10 to 200 feet.

The Tertiary (?) beds are believed to be approximately flat-lying although the abundant crossbedding makes determination of regional attitude difficult. Although the thickness of these sediments is not known, a drill hole on the Misery mine No. 7 claim cut 140 feet of sandstone and mudstone, and on the Big Bear and Big Hole claims the sediments are known to be in excess of 300 feet thick.

The Tertiary (?) sediments are exposed principally on the steep gully walls, for most of the drainage divides are capped by an indurated boulder conglomerate largely composed of volcanic rocks. The surface of this capping is remarkably flat and slopes about 4° - 10° S. Its thickness is variable but probably does not exceed 50 feet on the Misery mine claims.

King's hypothesis (DMEA Docket 3786) that these sediments occupy a downfaulted block is supported by evidence found on the Misery mine claims: bulldozing at the drill station on Misery mine No. 7 exposed a steeply dipping fault trending N. 50° E. that has brought Precambrian rocks against Tertiary (?) sediments.

Abnormally radioactive zones in the Tertiary (?) sediments have been exposed in three bulldozer cuts. Near the south end of Misery mine No. 8, a trench has exposed a dark-brown lens of carbonaceous, sandy shale 6 inches to a foot thick. This layer is 190 feet long and at each end it tapers rapidly and disappears. It is abnormally radioactive over most of its exposed length; on a scintillation counter readings of up to 0.2 mr/hr were obtained, but the average reading for the whole layer was about 0.08 mr/hr.

About 150 feet northwest of the above trench another radioactive zone has been exposed by bulldozing. Here the zone is only 4 to 6 inches thick and extends about 50 feet. Readings of up to 0.25 mr/hr were recorded, but the average reading was much less.

The third bulldozer trench is near the north end of Misery mine No. 7. Abnormally radioactive brown carbonaceous shale in a layer 18 inches thick is exposed near the bottom of the cut for a length of 3 feet. (The rest of the layer was covered by slumping in the trench.) The scintillation counter reading is 0.06 mr/hr on this outcrop.

According to the applicant, the drill hole put down 140 feet near the north end of Misery mine No. 7, cut about 60 feet of mudstone and 80 feet of sandstone. Only low abnormal radioactivity was found in the cuttings. Ten feet northwest of the drill hole Precambrian rocks are in fault contact with the sediments.

No uranium-bearing minerals were observed on any of the claims.

Satan claims and Joe and Bob claims

The Satan and Joe and Bob claim groups are underlain by Precambrian gneisses and granitic rocks and Tertiary volcanic rocks. The Joe and Bob claims lie astride the high ridge east of Devil's Hole that is capped in part by volcanic rocks. The Satan claims were staked in Precambrian rocks along the road from Devil's Hole to the top of the ridge. Abnormal radioactivity was recorded in the volcanic rocks on the Joe and Bob claims; none was observed on the Satan claims.

The Precambrian rocks are predominantly biotite-quartz-feldspar gneisses that contain small layers of lime-silicate rock. These rocks are cut by granite pegmatite.

The volcanic rock that occupies the central portion of the Joe and Bob claims is a light-brown felsic tuff, probably rhyolitic. It contains abundant rock fragments up to a few inches in diameter and sanidine crystals about one-eighth inch long. The identifiable rock

fragments make up 5 to 10 percent of the tuff and are composed of light-brown pumice, dark-brown vesicular lava, and light-gray porphyritic, aphanitic lava. The thickness of this tuff unit was not determined, but it probably is greater than 50 feet. Its relationship to other volcanic rocks in the area was likewise not determined.

Certain areas of the tuff are abnormally radioactive. On Joe and Bob No. 141, a bulldozer trench about 40 feet long and 5 feet deep exposes the tuff--broken by frost action, creep, etc.--in one of these areas of low abnormal radioactivity. Scintillation counter readings range from 0.01 to 0.03 mr/hr.

Fifty feet south of the trench a probable fault, trending northeasterly, brings Precambrian gneiss into contact with the tuff.

The abnormal radioactivity in the rhyolitic tuff is very widespread, but nowhere does it appear to be high enough to be ore grade.

The Red Hill and Tanner Boy claim groups

The Red Hill and Tanner Boy claim groups are underlain by gneisses, granitic rocks, and "diabase" dikes of Precambrian age and Dakota sandstone of Cretaceous age. Abnormal radioactivity was found in Precambrian rocks on two of the claims.

The Precambrian rocks are comprised principally of gray to pink medium-grained, biotite-bearing, granitic gneisses. Small lenses and pods of amphibolite are interlayered with the granitic gneisses.

The rock type that possesses abnormal radioactivity is also interlayered with the gneisses as small pods and lenses. It is a medium- to coarse-grained almost massive rock that is composed principally of nearly equal amounts of biotite and microcline. Several percent of apatite is also present in the rock in addition to small amounts of quartz, zircon, graphite, and an unidentified rare-earth-bearing (?) mineral. The biotite is about 1/8 inch in diameter and is apparently unoriented. The microcline crystals have a poor parallel orientation and range from one-eighth to 1 inch in length.

"Diabase" dikes cut the gneisses on the Red Hill claims. They are gray to brown fine- to medium-grained rocks similar to those that have been related to the Pikes Peak granite by Heinrich.1/

On the Tanner Boy claims Dakota sandstone is in fault contact with the Precambrian rocks.

Lenses of radioactive biotite-microcline rock have been exposed by a small prospect pit on Red Hill No. 2 and by a bulldozer trench on Red Hill No. 1. The prospect pit on Red Hill No. 2 exposes a pod of the biotite-microcline rock about 2 feet thick. The pod could not be traced on the surface although outcrops were abundant.

1/ E. W. Heinrich, Pegmatites of the Eight Mile Park area, Fremont County, Colorado: Am. Min. vol. 33, pp. 420-448, 1948.

On Red Hill No. 1, a nearly-flat-lying lens of the radioactive rock is 15 feet long and 2 to 3 feet thick. Most of this lens is abnormally radioactive, the maximum reading with a scintillation counter being 0.5 mr/hr.

The applicant stated that the radioactivity on the Red Hill claims was due to autunite; however a specimen from the prospect pit on Red Hill No. 2 contained a highly fluorescent mineral on joint faces that is believed to be opaline silica and not autunite. Other fluorescent minerals in minute grains disseminated through the rock are probably accessory minerals such as zircon.

The anomalous radioactivity in the rock is believed due primarily to uranium and thorium in the apatite. Some of the apatite separated from the other mineral components was found to contain uranium. The potassium in the biotite and in the microcline, and the uranium and thorium in zircon and in the rare-earth mineral probably also contribute to the total radioactivity.

SAMPLING AND ORE RESERVES

Four samples were taken and sent to the Bureau of Mines Intermountain Experiment Station at Salt Lake City, Utah, for assaying.

Sample CB 119 was an 18-inch chip sample cut across the soft carbonaceous shale bed on Misery mine No. 7 claim. The assay ran 0.025 percent U_3O_8. The application states that bulldozing at this locality "wiped out the ore." Presumably the two pilot shipments

of about 1 ton each, which assayed 0.18 and 0.25 percent U_3O_8, depleted the ore-grade material in this carbonaceous lens giving an indication of the size of these potential ore bodies.

A grab sample CB-120 was taken from the most radioactive portion of a 6-inch-thick bed on Misery No. 6 claim. It assayed 0.204 U_3O_8.

Sample CB-121 represents an 8-inch-thick pod of radioactive Precambrian biotite-microcline rock from a small pit on the Red Hill No. 2 claim. The sample ran 0.032 percent U_3O_8.

Sample CB-122 is a grab from a bulldozer cut in the volcanic rock on the Joe and Bob No. 141 claim. The sample ran 0.004 percent U_3O_8.

With the present meager developments none of the small exposures can be considered as ore.

APPLICANT'S ESTIMATED COST OF PROJECT

The application requested aid in doing 52,000 feet of drilling at a total estimated cost of $62,500. This was later amended to 26,000 feet of drilling at an estimated cost of $48,831 to be distributed as follows: $18,968 on the Misery mine group, $4,696 on the Satan group, $14,462 on the Joe and Bob group, and $10,705 on the Tanner Boy and Red Hill claims. The applicant's breakdown follows:

Independent contracts		
Bulldozing 50 days at $100/day		$ 5,000.00
Labor and supervision		
Driller 9 months at $500/mo.	$ 4,500.00	
Helper 9 months at $300/mo.	2,700.00	
Supervisor 9 months at $800/mo.	7,200.00	
Geologist 30 days at $50/day	1,500.00	
Total labor and supervision		$15,900.00
Operating material and supplies		
Gas, oil, drill bits, miscl., 9 months at $2,000/mo.		$18,000.00
Operating equipment		
Rental - Failing 1,000 drill valve $12,000 9 months at $333.33/mo.		$ 2,999.99
Rehabilitation and repairs		
None		
New buildings, improvements, installations		
None		
Miscellaneous		
Maintenance of equipment 9 months at $50/mo.	$ 450.00	
Accounting, legal fees, etc. 9 months at $300/mo.	2,700.00	
Liability and other insurance	268.00	

Payroll taxes and social security	$ 513.00	
Total miscellaneous		$ 3,931.00
Contingencies		
Loss of drill steel and unforseen expenses		$ 3,000.03
Total estimated cost of project		$48,831.00
Total estimated cost per foot		$ 1.88
Government participation at 75 percent		$36,623.25

No drilling plan has been submitted. On the Joe and Bob group and the Tanner Boy group a considerable footage would have to be cored. The three contract bids submitted for the 26,000 feet of drilling range from $57,700 to $79,825 for non-core drilling with price increases of from $1.00 to $2.75 a foot for coring. This price includes roads and drill sites, but does not include supervision, engineering, geological work, core boxes, etc.

CONCLUSIONS AND RECOMMENDATIONS

The examining team recommends denial of the application for exploration assistance because:

1. Sample CB 120 from Misery mine No. 6 claim assayed 0.204 U_3O_8; however, it was a grab from the most radioactive part of a layer only 6 inches thick. The amount of ore-grade rock in this bed is very small, probably less than a ton, and the possibility of finding a substantial tonnage here is poor.

On Misery mine No. 7 claim a shipment of less than 2 tons depleted the ore from one of the thickest radioactive beds indicating the amount of ore to be expected.

Drilling on the nearby Josey-Roper claims under DMEA contract Idm-E 907 disclosed no commercial uranium ore bodies.

2. Samples from the Joe and Bob claims and the Red Hill claims contained only 0.003 and 0.032 percent U_3O_8, respectively, and so do not contain ore-grade material except perhaps very locally.

There is no geologic evidence to indicate that uranium ore bodies will be found that will be larger or of higher grade than those examined.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 11 1957

DATE	INITIALS	CODE
2-11	C	220
	~~Murphy~~	~~100~~

February 7, 1957

Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Reg. III

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4498 (Uranium) Parkdale Uranium Corp., (Misery Mine, et al claim groups) Fremont County, Colorado

The application for Parkdale Uranium Corp., Docket DMEA 4498, in the amount of $48,831.00 was received in this office on February 7, 1957.

A field examination will be made and suitable report prepared by an engineer from the Denver office.

W. H. KING
W. H. King

cc: W. M. Traver (2)
E. N. Harshman
J. F. Shaw

DMEA
DEPARTMENT OF THE INTERIOR
FEB 8 1957
REGION III
DENVER, COLORADO

See Opr Comm (2)

224 New Customhouse
Denver 2, Colorado

February 4, 1957

Memorandum

To: E. N. Harshman w/c Appl., Chmn. Letter & Review Memoranda
W. H. King (2) w/c Appl., Chmn. Letter & Review Memoranda

From: DMEA Field Team, Region III

Subject: Docket DMEA-4498 (Uranium) Parkdale Uranium Corp. (Misery Mine, et al. Claim Groups) Fremont County, Colorado

Enclosed are a copy of the subject application in a revised amount of $48,831.00 instead of the original amount of $62,500.00, the Chairman's letter referring the application to the Executive Officer for field examination, and memoranda of review from N. E. Nelson, USGS, (2) and J. E. Crawford, USBM. In addition, there are copies of supplemental information and Geological Reports supplied by the applicant. A field examination appears advisable with suitable joint Report of Examination.

Should the examiners consider a project warranted and you will so advise this office as early as possible in advance, we will undertake to obtain the required MF-205 Forms.

Please return the Bureau of Mines application with your report of examination.

DMEA Field Team, Region III

Original signed by
W. M. TRAVER

By W. M. Traver
Executive Officer

ORIGINAL FILE COPY
DMEA
RECEIVED FEB 11 1957

DATE	INITIALS	CODE
2/12	C	220
"	Murphy	700

Enclosures

WMT:eh
cc: Ch. Op. Comm. (2)
Docket 4498 w/c Ch's Letter & Review Memoranda
Chron.

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2/1/57	Murphy	700
2-1	Ellis	700
2/1	Selledge	130
"	Johnson	110
"	Mitendorf	100
2.4	C	220

700

FEB 1 1957

Mr. Robert L. McMichael
Secretary and Treasurer
Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Nelson
Lamb

Dear Mr. McMichael:

Your letter of January 12, 1957, with the copies of the amended application data, drilling bids, and the assay certificate, has been received. Your application is now referred to Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mitendorf (for)

Administrator

FMMurphy/izm/gla (1-31-57)
2-1-57
cc to: Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Region III (2)

8623

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
1-31	Murphy	700
1-31	Ellis	700
		130
		110
		100
		220

Mr. Robert L. McMichael
Secretary and Treasurer
Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. McMichael:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to:

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 NewCustomhouse Building
Denver 2, Colorado

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

Administrator

FMMurphy/izm 1-31-57
cc to: Code 700
Mr. Murphy
Admr.'s Reading File
DMEA FT Reg. 3 (2)

8623

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2-1	Murphy	700
2-1	[illegible]	700
2/1	Selfridge	130
"	[illegible]	110
"	[illegible]	100
		220

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

FEB 1 1957

Re: Docket No. DMEA-4498 (Uranium)
Parkdale Uranium Corporation
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. Traver:

The captioned application is referred to Region III Field Team for investigation, a field examination if deemed advisable, and recommendations.

Enclosed are copies of memoranda, dated October 19 and 25, 1956, by N. E. Nelson, USGS, and J. E. Crawford, USBM, respectively; and N. E. Nelson's and James Paone's, USBM, memoranda, dated January 25, 1957, relating to the application. Also enclosed for Field Team use are two copies of the application with the additional information, and two copies of each of the Geological Reports.

You will note in the application that the Applicant has a 50 percent interest in the Misery Mines group and in the Joe and Bob claims; also, that a 10 percent overriding royalty on the Red Hill and Tanner Boy claims is in effect. In the event the Field Team believes a project is warranted on these groups, it should advise the Applicant that we will require a set (six copies) of Form MF-205, signed by the owners of each of the various groups of claims. Only the names of the owners of the Misery Mines group are given in the application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

FMMurphy/izm (1-31-57) 2-1-57
cc to: Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
Messrs. THKiilsgaard, 5224
JKratchman, AEC

8623

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
1-31	Murphy	700
1-31	Ellis	700
		130
		180
		100
		220

Mr. W. H. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Parkdale Uranium Corporation
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. Traver:

The captioned application is referred to Region III Field Team for investigation, a field examination if deemed advisable, and recommendations.

Enclosed are copies of memoranda, dated October 19 and 25, 1956, by H. H. Nelson, USGS, and J. E. Crawford, USBM, respectively; and H. H. Nelson's and James Paone's, USBM, memoranda, dated January 25, 1957, relating to the application. Also enclosed for Field Team use are ~~one~~ two copy of the application with the additional information, and 2 copies of each of the Geological Reports. ~~One copy of the application was forwarded to Region III in October by the Washington USGS office.~~ ?

You will note in the application that the Applicant has a 50 percent interest in the Misery Mines group and in the Joe and Bob claims; also, that a 10 percent overriding royalty on the Red Hill and Tanner Boy claims is in effect. In the event the Field Team believes a project is warranted on these groups, it should advise the Applicant that we will require a set (six copies) of Form IF-205, signed by the owners of each of the various groups of claims. Only the names of the owners of the Misery Minesgroup are given in the application.

Sincerely yours,

Enclosures

Chairman, Operating Committee

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

FMMurphy/izm 1-31-57
cc to: Code 700
Mr. Murphy
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, 3643
THKiilsgaard, 5224
JKratchman, AEC

8623

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 25 1957

DATE	INITIALS	CODE
1-25	cw	220
1-25	Murphy	700

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

Date January 25, 1957

DMEA Docket No. 4498
DMEA Contract No.
Commodity Uranium
Name of applicant Parkdale Uranium Corp.
Name of property Misery Mine, et al group claims
Location of property Fremont County, Colorado
Estimated cost of project $48,831.00

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Alternate Member JP
Uranium Commodity Committee

Subject: Review of Additional information
(Application, Field Team Report, etc.)

1. Date of subject document: _____. 2. Date received by reviewer: _____.

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 ☐
   c. Denial ☐
   d. Agree with Field Team ☐
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. E. E. Thurlow at Denver AEC office.

10. Remarks: (Use back of page if necessary) Mr. Jack Kratchman, Washington representative of the Atomic Energy Commission, assisted in the review.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 29 1957

DATE	INITIALS	CODE
1-29	cw	220
1-29	Murphy	700

Comments Complete

January 25, 1957

Re: DMEA 4498
Parkdale Uranium Corp.
Misery Mines and other claims
Fremont County, Colo.
New est. $48,831.00 - Uranium

Memorandum

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

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

Subject: Review of supplementary application

The applicant requested assistance in exploring by drilling 5 groups of claims, at an estimated cost of $62,500. It now makes an amended application wherein $48,831.00 worth of drilling is proposed.

Additional information is offered concerning the deposits and a rough drilling layout is given. An examination appears warranted.

Referral of the application to the Field Team is again recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 18 1957

DATE	INITIALS	CODE
1-18	C	220
1-18	Murphy	700

224 New Customhouse
Denver 2, Colorado

January 15, 1957

Memorandum

To: Secretary to the Operating Committee

From: DMEA Field Team, Region III

Subject: Docket DMEA 4498 (Uranium) Parkdale Uranium Corp. (Misery Mine, et al group claims) Fremont County, Colorado.

Enclosed are the original and two copies of additional information on the subject docket, which was submitted by the Applicant. One copy is being retained in our file.

This additional information was requested from the Applicant by the Ernest Wm. Ellis letter, dated October 24, 1956.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

Enclosures

Them that's got it, got it, them that ain't, ain't—we got it.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 18 1957

DATE	INITIALS	CODE

Parkdale Uranium Corporation

A COLORADO CORPORATION

LT. COL. JOE DUMIC, (RETD.),
PRESIDENT
1617 SARATOGA ROAD,
PUEBLO, COLORADO
PHONE LINCOLN 4-8946

Address all correspondence to:
1601 Lexington Road
PUEBLO, COLORADO

ROBERT L. McMICHAEL
ATTORNEY AT LAW
SECRETARY-TREASURER
1601 LEXINGTON ROAD, PUEBLO, COLO.
PHONE LINCOLN 4-0244

January 12, 1957

DMEA
DEPARTMENT OF THE INTERIOR
JAN 15 1957
REGION III
DENVER, COLORADO

Defense Minerals Exploration Adm.
224 New Customhouse Bldg.
Denver 2, Colorado

Re: Docket No. DMEA-4498 (Uranium)

Dear Sir:

Inclosed is additional information requested in your letter of 24 October. It has taken us some time to get our surveyor to visit the property and draw the inclosed maps with the correct locations marked thereon.

After visiting the property and checking the proposed drill sites, it was found necessary to amend some of the original filing. Our drill has been on lease in the area, and we find that we can only drill 150 feet per day instead of the 200 feet we originally proposed. Also the proposed drilling as inclosed herein is sufficient to explore the claims. We will not need as much money as we originally figgured. Therefore, I have amended the original filing to comply with the new figgures. I hope it can be amended in this manner.

If there is any new material that we can furnish, we will be very happy to do so.

Sincerely Yours,
Robert L. McMichael
Robert L. McMichael

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103

Since filing the original application and receiving your letter of October 24, 1956, we have made every effort to furnish the information asked for in your letter. We visited the property with our surveyor and had him sketch the locations of the proposed drill sights, and we had him draw a map showing this information. Said map is inclosed in quadruplicate. The following are answers in reference to your letter.

RECEIVED JAN 18 1957 D.M.E.A.

Answer to 1. d and e.

The locations of anomalous radioactive areas are as follows: Joe and Bob claims 20 on the .05 scale almost in the center of claim No. 147 near the granite contact and extends over an area approximately 300 x 300 feet. The entire proposed drilling area has a good background count from one and one half to double the background count.

The Satan group of claims has only one radiometric reading worth considering. This is near the south east corner of claim no. 3, reading 10 on the .25 scale at an old mine dump.

The Misery mine group has good readings at many points from the hole that was drilled on the north end of No. 7 to the south east corner of no. 8 which is approximately 2,000 feet in length. Bulldozer cuts along the road have exposed deposits of ore ranging in thickness from 6 inches to two feet thick of better than .20 U308. Two pilot loads were shipped to Union Carbide Nuclear plant at Rifle, Colo., The first load ran .18 U308 and the second ran .25 U308. These loads were taken approximately 70 feet south of the drill hole on no. 7. Since then better ore has been discovered on no. 8 at the south east corner where the two existing drill sites are shown on the map. The readings are between third and fourth scale. The hottest spot being 5 on the .5 scale. It is believed that this ore is far out of equilibrium the right way. For instance, the two pilot loads shipped to Rifle showed .11 radiometric and .18 chemical and .18 radiometric and .25 chemical U308. The certificate inclosed showing 1.36 U308 was the first ever taken from Misery no.8. The radiometric taken on a babbel counter showed it to be a little better than .40 radiometric. This sample was hand selected and does not by any means attempt to show that all of the ore is 1.00 or better. Since this high assay it is indicated that there is good possibility of a large ore body being found by drilling.

The highest reading found on the Red Hill claims is near the existing drill site in the center of claim no. 2, it being 10 on the .5 scale. Readings near the center of no. 5, being the same dyke, is 10 on the .25 scale. The assay shown on certificate inclosed was taken from the center of claim no. 2.

The Tanner Boy claims have a good background count. No commercial ore is showing, but being near the contact of mica schist and granite, ore may be found by drilling. It is recommended that all holes be drilled to a depth of 100 feet and if ore is found at between 90 and 100 feet to drill a few holes to 150 feet to determine if a deposit is below the 100 foot depth.

All the above readings were taken on a Scintillator- La Roe Model FV-6S with scales .025, .05, .25, .5, 2.5 and 5, graduated from 0 to 25 on the reading dial.

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103

Narrative report as per request in letter.

One hole was drilled on the Misery Mine group since our filing. This is shown on the map on Misery No. 7 as a dark circle extreme north end center. This hole was drilled with our own drill to a depth of 140 feet to test the formation. The formation was tertiary sedimentary with mudstone deposits between the sandstone deposits. The one hole drilled showed approximately 60 feet of mudstone which is the ore bearing formation in the area. The first encounter of the mudstone was approximately 50 feet below the surface and was 20 feet thick. Then 30 feet later into another zone of mudstone 40 feet thick, when drilling was stopped still in mudstone. Anomalous radioactive count with the scintilator taken of the cuttings in the first mudstone encountered showed that some count was present. The reading was 20 on the .05 scale or a second scale reading. The hole was drilled approximately 75 feet north of where the two pilot loads were shipped which ran .18 U308 and .25 U308. The hole was not probed. Commercial ore should be hit between 30 to 50 feet below the surface on the Misery no. 7 and 8. Others will be slightly deeper depending on the overburden. Ore is visible on no's. 7 and 8. It is believed that all holes to be drilled in the Misery group will be the same formation as explained above. The formation is visible throught the area shown to be drilled except the claims 11 and 13 which have a rhyolite cap which is estimated to be 20 to 30 feet thick. It is believed that the Satan and the Joe and Bob claims will be similar in formation to the Misery group except with a 20 to 30 foot overburden consisting of rhyolite and conglomerates.

The Red Hill group is in dykes of mica-schists which appear to be from 10 to 30 feet thick. Blasting to a depth of 5 feet indicated that the commercial ore is approximately 2 feet thick at present. Assay certificate inclosed was taken from near the center of Red Hill claim No. 2. Anomaly taken at that point was 10 on the .5 scale. Readings on claim no. 5 was 10 on the .25 scale. All other readings are approximately two to three times background count. Most holes drilled on claims no. 2 and 5 should be into ore from near the surface to an undetermined depth. This group has not been drilled.

The Tanner Boy group consists of the Dakota Sandstone and shale formation. The reading throughout the area is approximately two times background count. It is felt that this should be tested being near the contact of granite. We have low grade ore in this formation in one of our other properties- 10 U308 or better. Commercial ore from our experience should be hit at a depth of 50 feet. The ore found, if any, should be in the Dakota at approximately 50 feet and should be from 5 to 10 feet thick ranging from .10 to .20 U308. This is based on our experience and from other holes drilled in this county. The morrison formation is approximately 80 feet below the surface through the dakota and may have ore.

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

RECEIVED JUN 18 1957 D.M.E.A.

Amendments to original application for aid.

3. (a) Amend the second group of claims to read as follows: Satan Claims no's 1 through 10 inclusive, situate in Sections 10, 11, 14 and 15, Township 18 South, Range 73 West of the 6th P.M. The remainder of the paragraph remains the same.

(b) Deleted in its entirety and amended to read as follows.
Misery mines are one group, contiguous.
Red Hill and Tanner Boy claims are one group, contiguous.
Joe and Bob and Satan Claims are one group, contiguous.

(f) Satan Claims;
Delete the last ten claims. Leaving 1 through 10 inclusive.

5. (B) Delete in it's entirety and amend to read as follows:
It is proposed to do approximately $48,831.00 worth of drilling, broken down as follows: $18,968.00 in the Misery Mine Claims; $4,696.00 on the Satan group of claims; $14,462.00 on the Joe and Bob group of claims; $10,705.00 on the Tanner Boy and Red Hill group of claims. We propose to furnish $12,207.75 of this sum, and to obtain aid of $36,623.25 under DMEA. See attached maps.

6. All of paragraph 6 shall be deleted and amended to read as follows:

(a) Independent contractors:
Bulldozing work-@ $100.00 per day,
estimated 50 days work per nine months.....$ 5,000.00

(b) Labor, Supervision and Geologist consultant.
Driller @ $500.00 per month x 9..... 4,500.00
Driller helper @$300.00 per month x9..... 2,700.00
Supervision @ $800.00 per month x 9..... 7,200.00
Geologist @ $50.00 per day for 30 days..... 1,500.00

(c) Operating materials and supplies:
Gas, oil, drill bits, and other supplies and
materials @ $2,000.00 per month x 9 ..... 18,000.00

(d) Operating equipment:
We own a Failing, 1000, core drill and water wagon both mounted on trucks, value approximately $12,000.00. We will furnish this equipment at no cost except for depreciation allowance of $333.33 per month x 9 ..... 2,999.97

(e) none
(f) none

(g) Miscellaneous:
Maintenance of equipment @ $50.00 per month x 9 ..... 450.00
Accounting, legal and other @$300.00 per month x 9... 2,700.00
Liability and other insurance $268.00 per year 268.00
Payroll taxes IE Sicial security..... 513.00

Parkdale Uranium Corporation, 1601 Lexington Road, Pueblo, Colo.
MF-103
Instruction No.

Amendments to original application for aid.

6. continued:
(h) Contingencies:
Loss of drill steel or other unforseen expenses....$ 3,000.03

TOTAL FOR 9 months$48,831.00

Summary:
All of the summary shall be deleted and amended to read as follows:

We agree that with the above expenses we can drill 150 feet per day, five days a week, for nine months, with the exception of when drilling the Red Hill group of claims we may be able to drill only 100 feet per day. At this figgure we will drill a total of 26,000 feet for the nine month period at a total cost of $48,831.00. This will average approximately $1.88 per foot of which amount we are paying one-fourth. This is a very low price per foot for drilling, but we are sure with our own equipment we can do it.

INTERIOR LIBRARY

TO: PARKDALE URANIUM CORPORATION

I hereby make the following bid to drill the following uranium peoperties. This bid may be accepted at any time within six months from the below signed date.

I will drill 101 holes at 100 feet per hole in the Devil's hole Area on the Misery Mine Group for $ 2.00 per foot for straight plug holes and for $ 3.00 per foot for coring holes.

I will drill 25 holes at 100 feet per hole on the Satan Group and 77 holes at 100 feet per hole on the Joe and Bob Group for $ 2.00 per foot for straight plug holes and for $ 3.00 per foot for coring holes.

I will drill 20 holes at 100 feet per hole on the Tanner Boy Group for $ 2.00 per foot for straight plug holes and for $ 3.00 per foot for coring holes.

I will drill 37 holes at 100 feet per hole on the Red Hill Group for $ 3.00 per foot for plug holes and for $ 5.00 per foot for coring holes.

I understand that the above price includes that I make my own drill sites and necessary roads. I will drill the holes in the approximate locations as shown on the map shown to me by Parkdale Uranium Corporation. This is the same map that they are sending to the Defense Minerals Exploration Administration.

Signed this 8 th day of January, 1957.

Elmore Giem

GIEM CONSTRUCTION
Prospect Heights
Canon City, Colo.

Witness:

Henry C. Phillips

Mrs Elmore Giem

TO: PARKDALE URANIUM CORPORATION

I hereby make the following bid to drill the following uranium properties. This bid may be accepted at any time within six months from the below signed date.

I will drill 101 holes at 100 feet per hole in the Devil's hole Area on the Misery Mine Group for $ 2.75 per foot for straight plug holes and for $ 5.50 per foot for coring holes.

I will drill 25 holes at 100 feet per hole on the Satan Group and 77 holes at 100 feet per hole on the Joe and Bob Group for $ 2.75 per foot for straight plug holes and for $ 5.50 per foot for coring holes.

I will drill 20 holes at 100 feet per hole on the Tanner Boy Group for $ 2.75 per foot for straight plug holes and for $ 5.50 per foot for coring holes.

I will drill 37 holes at 100 feet per hole on the Red Hill Group for $ 5.50 per foot for straight plug holes and for $ 7.50 per foot for coring holes.

I understand that the above price includes that I make my own drill sites and necessary roads. I will drill the holes in the approximate locations as shown on the map shown to me by Parkdale Uranium Corporation. This is the same map that they are sending to the Defense Minerals Exploration Administration.

Signed this 8 day of January, 1957.

STURBAUM CONSTRUCTION CO.
[illegible] MAIN STREET
CANON CITY, COLO.

Witness:

6666666666

RECEIVED JAN 15 1957 D.M.E.A.

TO: PARKDALE URANIUM CORPORATION

I hereby make the following bid to drill the following uranium properties. This bid may be accepted at any time within six months from the below signed date.

I will drill 101 holes at 100 feet per hole in the Devil's Hole Area on the Misery Mine Group for $2.50 per foot for straight plug holes and for $5.00 per foot for coring holes.

I will drill 25 holes at 100 feet per hole on the Satan Group and 77 holes at 100 feet per hole on the Joe and Bob Group for $2.50 per foot for straight plug holes and for $5.00 per foot for coring holes.

I will drill 20 holes at 100 feet per hole on the Tanner Boy Group for $2.50 per foot for straight plug holes and for $5.00 per foot for coring holes.

I will drill 37 holes at 100 feet per hole on the Red Hill Group for $5.00 per foot for plug holes and for $7.00 per foot for coring holes.

I understand that the above price includes that I make my own drill sites and necessary roads. I will drill the holes in the approximate locations as shown on the map shown to me by Parkdale Uranium Corporation. This is the same map which they are sending to the Defense Minerals Exploration Administration.

Signed this 7th day of January, 1957.

E. Lincoln Fontecchio

Witness:

J. V. Fontecchio

Mary Lee Fontecchio

900 Logan Avenue
Canon City, Colorado

RECEIVED
JAN 10 1957
D.M.E.A.

2114 CURTIS STREET

TELEPHONE MAin 3-1852

[redacted]

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5, COLORADO

Folio 6936

Date Dec. 5, 1956.

Parkdale Uranium Corporation,
1601 Lexington Ave.,
Pueblo, Colorado.

Attention: Lt. Col. Joe Dumic.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
		Uranium oxide (U3O8)						
Misery:		1.376%						
Red Hill		0.505%						

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 10.00

CHARLES O. PARKER & CO.

CHEMISTS, ASSAYERS and ENGINEERS

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
1/3/57	Murphy	700
1/4	Ellis	700
1/4	C. O. Mittendorf (for)	100
		700
1/4	CW	225

4 JAN 1957

Mr. Robert L. McMichael
Secretary and Treasurer
Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Mirery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. McMichael:

Reference is made to our letters of October 24 and November 28, 1956, requesting additional information concerning the subject application for exploration assistance.

We wish to cooperate with you fully in allowing ample time to supply the requested information; however, we cannot indefinitely postpone action on an application. Therefore, if we do not receive the requested information within 30 days from the date of this letter, we will assume that you are no longer interested in proceeding with your application, and we will consider it as having been withdrawn.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy/gla
1-3-57
cc to: Admr.'s Reading File
JECrawford, 3643
THKiilsgaard, 5224
JOHosted, 3210,GSA
Code 700, Mr. Murphy
DMEA Field Team, Region III (2)

CW

8623

Surname copy

700

Murphy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. Robert L. McMichael, Secretary
and Treasurer
Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. McMichael:

Reference is made to our letter, dated October 24, 1956, relating to the captioned docket.

Action on your application is pending receipt of the information requested in the above-mentioned letter. If you are no longer interested in the processing of this application, please advise us.

Sincerely yours,

Ernest W. Ellis, Chief
Rare and Miscellaneous
Metals Division

EMMurphy/gla
11-28-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700, Mr. Murphy
DMEA Field Team, Region III (2)

10/25/56

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

RECEIVED
OCT 25 1956

Date 10/25/56

DMEA Docket No. 4498
DMEA Contract No.
Commodity Uranium
Name of applicant Parkdale Uranium Corp.
Name of property Misery Mines, et al
Location of property Fremont County, Colorado
Estimated cost of project $62,500.00

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 10/4/56. 2. Date received by reviewer: 10/18/56.

3. Prior reports on this property known to reviewer: Yes [ ], No [x].

4. Prior reports on nearby properties known to reviewer: Yes [ ], No [x].

5. Information available on past production: Yes [ ], No [x].

6. Other pertinent factors known to reviewer: Yes [ ], No [x].

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [ ]
   d. Geology [x]
   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. Denial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another investigation [ ]
   h. Approval [ ]
   i. Consult with Mr. _____ at _____ Area office.

10. Remarks: (Use back of page if necessary)

Defer recommendation pending review of geological report. Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

700

FILE COPY

Surname: Murphy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

OCT 24 1956

Mr. Robert L. McMichael, Secretary
and Treasurer
Parkdale Uranium Corporation
1601 Lexington Road
Pueblo, Colorado

Re: Docket No. DMEA-4498 (Uranium)
Misery Mine, et al., Claim Groups
Fremont County, Colorado

Dear Mr. McMichael:

The above-referenced application for aid in an exploration project has been reviewed by the Rare and Miscellaneous Metals Division.

A general program for the drilling has been submitted, such as drilling near the known ore occurrences on the Misery Mine group of claims, and to drill where the highest radiometric readings are found on the other groups of claims.

In order to judge the merits of your proposal we require a more specific outline of the work you wish to perform than has been submitted. Therefore, to assist us in processing your application in a satisfactory manner, we suggest that you submit as much of the following additional information as possible:

1. A composite map or sketch, drawn to scale, of all the claim groups showing the following:

   a. The approximate location of all the proposed drill holes and bulldozer trenches. Also, the locations of any drill holes or trenches that have already been completed;

   b. The outline of the rock masses cropping out on the property and their classification, such as mica-schist, Dakato formation, Morrison formation, etc.;

   c. The approximate collar elevation of the proposed drill holes;

R.G.

d. The location and recorded values of anomalous radioactive areas; and

e. The locations where samples were taken.

2. A narrative report giving the depth of the individual drill holes, and the potential uranium-bearing rock formation that you anticipate the holes will penetrate. Also, the assay results obtained from individual samples with a reference to their location on the above map or sketch.

Please submit four copies each of the map and narrative.

We note that you propose to perform the drilling with your own equipment and personnel. This is permitted under DMEA contracts, however, even in such cases we require copies of bids from three independent contractors on the proposed drilling.

We will hold your application in abeyance for a reasonable length of time in order that you may submit the above-suggested additional information. If you anticipate that you will require more than thirty days from the date of this letter to forward the information, please advise this office the approximate date we may expect to receive it.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/zim 10-24-56
cc to: Docket
Code 700
Mr. Murphy
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

10-23-56

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
OCT 22 1956

October 19, 1956

Re: DMEA 4498
Parkdale Uranium Corp.
(Joe Dumic)
Misery Mines and other claims
Fremont County, Colorado
$62,500 - Uranium

Memorandum

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

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

Subject: Review of application.

The applicant requests assistance in exploring by drilling 6 groups of claims so situated as to comprise 3 consolidated groups. No definite drilling patterns have been set up, but expenditures are estimated as:

Misery-Satan	$35,000	at $1.20/ft.	=	29,000 feet
Red Hill-Tanner Boy	$20,000	at $1.20/ft.	=	16,750 feet
Joe & Bob	$ 7,500	at $1.20/ft.	=	6,250 feet
Total	$62,500			52,000 feet

Two types of deposits are to be explored. On the Red Hill-Tanner Boy group, autunite is found in Precambrian mica schist. From one cut 8 feet deep a "collective" sample (grab?) was taken. It assayed 0.33% U_3O_8. Another sample assayed 0.08%. The 16,750-foot drilling program is, apparently, based on the one sample, unless work has been done since the geological report was written.

On the Misery-Satan group autunite occurs in lenticular beds of dark brown to black clay mudstone. The mudstone occurs up to 25 feet below the surface. From one cut 2 large samples were taken. They assayed:

Weight of sample (pounds)	$\%U_3O_8$	%CaO	$\%V_2O_5$
2,300	0.18	1.7	0.11
1,620	0.25	1.6	0.18

Subsequent bulldozing work appears to have removed the lens from which the samples were taken.

No drilling layout is submitted covering the 29,000 feet of drilling proposed. A large area is considered to be underlain by the mudstone and it is assumed that many lenses of ore will be found by drilling.

No data are given in support of the Joe Bob drilling program.

The prospects are over the mountain from the Schwartzwalder mine and the Red Hill-Tanner Boy occurrences are said to be similar to those at the Schwartzwalder mine, where the ore occurs in mica schist.

The information furnished by the application does not justify the work proposed, but an examination is probably warranted.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

October 17, 1956

Parkdale Uranium Corp.
1601 Lexington Rd.
Pueblo, Colorado

Subject: DMEA-4498
Re: Exploration Assistance
Misery Mines, et al.

Gentlemen

Your application for exploration assistance, dated October 4, 1956 submitted to our office at Denver, has been assigned Docket Number DMEA-4498 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region III. Denver, Colorado

Code 700

3571

OUT

No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken
~~Kissgood~~	~~M. Meiselman~~	~~4/29~~	~~3265~~					
~~Mc Ching (49)~~	~~420~~	~~4/29~~	~~700~~					
~~[illegible]~~	~~700~~	~~7/12~~						
~~4705~~	~~[illegible]~~	~~[illegible]~~						
~~4499~~	~~700~~	~~[illegible]~~						
~~3235~~	~~Bal 50~~	~~[illegible]~~						
~~2596~~	~~[illegible]~~	~~11/12/57~~						
~~3215~~	~~[illegible]~~	~~11/20/57~~						
~~1969~~	~~[illegible]~~	~~11/20/57~~						
~~4648~~	~~[illegible]~~	~~11/20/57~~						
~~6017~~	~~600~~	~~6/3/59~~						
~~[illegible]~~	~~[illegible]~~	~~3/14/62~~						
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~						
4490	500	5/14						
Bal 90								
Denied								

OUT

No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken
~~2180~~	~~[illegible]~~	~~[illegible]~~		~~700~~	~~1/21~~	~~2700~~	~~[illegible]~~	~~[illegible]~~
~~1621~~	~~W. Martin~~	~~3-3~~						
3915	W S Martin	3/24		~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~4/8/[illegible]~~	
~~Mrs Redgrave~~	~~2955~~	~~4/15~~	~~(Bail 4 N)~~					
~~[illegible]~~	~~4270~~	~~5-28~~						
~~[illegible]~~	~~4556~~	~~9/11~~						
~~ZM~~	~~4269~~	~~7/16~~						
~~B. Regan~~	~~4520~~	~~7/23~~						
~~[illegible]~~	~~4257~~	~~7/26~~	~~700~~	~~3693~~	~~10/8~~			
~~Code 700~~	~~4246~~	~~7/29~~						
Code 700	4071	8/18		~~Bail 62~~				
~~4445~~	~~700~~	~~[illegible]~~						
~~4727~~		~~9/17/57~~	~~Murphy~~					
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~						
~~4816 (700)~~	~~Ellis~~	~~12/5/~~						
~~2726~~	~~[illegible]~~	~~12/6/57~~						
~~5039~~	~~700 Murphy~~	~~5/22~~						
~~[illegible]~~								
6041	500	5/25						
~~F073~~	~~500~~	~~8-21~~						
~~6076~~ 6071	Murphy	12/4						

OUT

No or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken
~~3373~~	[illegible]	[illegible]						
~~3614~~ P.E. [illegible]	"	4-15						
~~3614~~	[illegible]	4-27						
~~3549~~	[illegible]	6-26						
~~3801~~	[illegible]	[illegible]						
Allis	4501	6-28						
Graves	4501	12/10						

OUT

No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken	No. or Name	Taken By	Date Taken
40 v v	Mullinky	8/12						

MINERAL SURVEY

CLAIMS OF

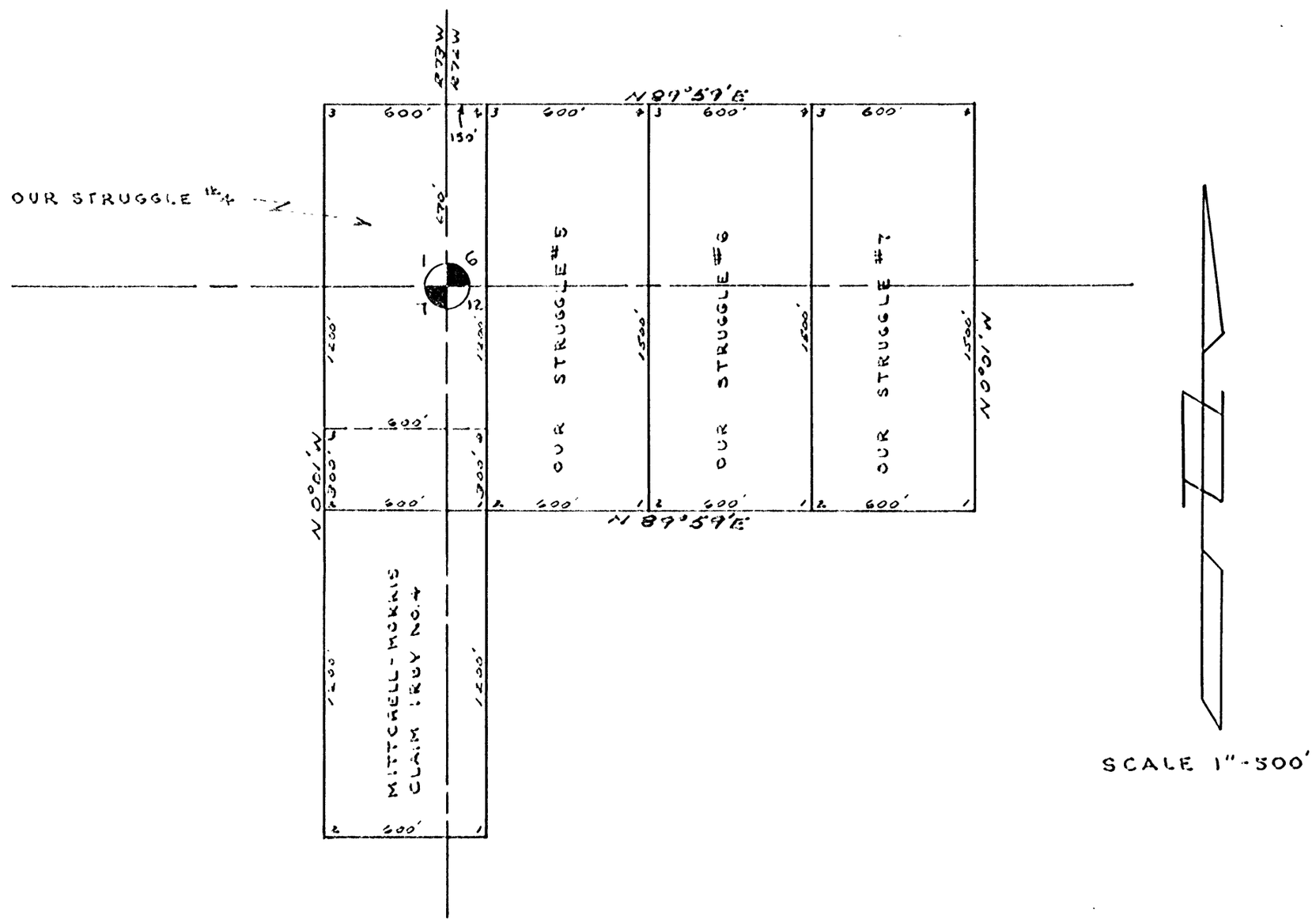
JOE DUMIC
617 W. 25TH. STREET
PUEBLO, COLORADO

KNOWN AS

OUR STRUGGLE SITE

no work anticipated on these claims

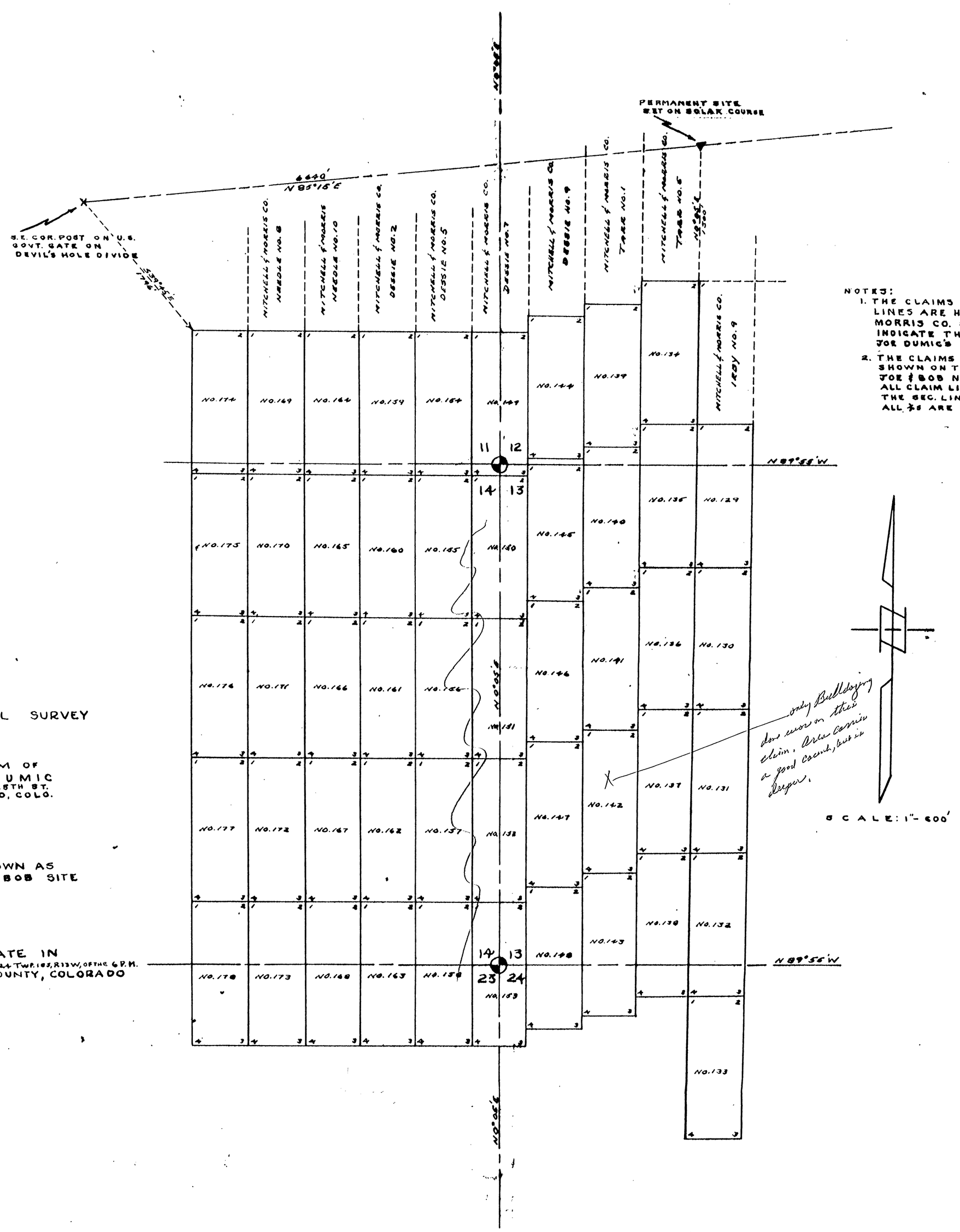
SITUATE IN SEC. 1 & 7 TWP. 18S, R 73W & SEC. 6 & 12, TWP. 18S, R 72W OF THE 6TH. P.M.
FREMONT CO., COLO.



C. J. Q. McNATT, BEING A REGISTERED PROFESSIONAL ENG'R AND LAND SURVEYOR IN THE STATE OF COLO., DO HEREBY CERTIFY THAT THE MINERAL CLAIMS KNOWN AS OUR STRUGGLE 4-7 INCL. WERE SURVEYED UNDER MY SUPERVISION & DIRECTION. THE CLAIMS ARE LOCATED AS SHOWN ON THIS PLAT & ARE CORRECT TO THE BEST OF MY KNOWLEDGE & BELIEF.

C. J. Q. McNatt

REG. PROFESSIONAL ENG'R & LAND SURVEYOR
COUNTY SURVEYOR



NOTES:

1. THE CLAIMS ENCLOSED BY DOTTED LINES ARE HELD BY THE MITCHELL-MORRIS CO. & ARE SHOWNHERE TO INDICATE THEIR RELATIONSHIP TO JOE DUMIC'S JOE & BOB GROUP.
2. THE CLAIMS HELD BY JOE DUMIC AS SHOWN ON THIS PLAT ARE NAMED JOE & BOB NOS. 129 THROUGH 178 INCL. ALL CLAIM LINES ARE PARALLEL WITH THE SEC. LINES & MEASURE 600' X 1800'. ALL ∠s ARE 90°.

MINERAL SURVEY

CLAIM OF
JOE DUMIC
617 W. 25TH ST.
PUEBLO, COLO.

KNOWN AS
JOE & BOB SITE

SITUATE IN
Sec. 6, 11, 12, 13, 14, 23, & 24 Twp. 18S, R 73W, of the 6 P.M.
FREMONT COUNTY, COLORADO

I, J. Q. McNATT, BEING A REGISTERED LAND SURVEYOR AND PROFESSIONAL ENGINEER IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE MINERAL CLAIMS KNOWN AS JOE & BOB NOS. 129 THROUGH 178 INCL. WERE SURVEYED UNDER MY DIRECTION. THE CLAIMS ARE LOCATED AS SHOWN ON THE PLAT, & ARE CORRECT TO THE BEST OF MY KNOWLEDGE & BELIEF.

J. Q. McNatt

REGISTERED LAND SURVEYOR &
PROFESSIONAL ENGINEER.
COUNTY SURVEYOR, FREMONT CO.

I, R. H. HOUSTON, BEING A LAND SURVEYOR AND A DISINTERESTED PARTY IN THE CLAIMS OF JOE DUMIC DO HEREBY ATTEST THAT I HAVE GONE OVER THE LAND COVERED BY THE CLAIMS OF JOE DUMIC AS SHOWN ON THIS PLAT, AND THAT NO POSTS OR MARKERS OR NOTICES OF ANY TYPE WERE PRESENT OTHER THAN THOSE SET BY JOE DUMIC.

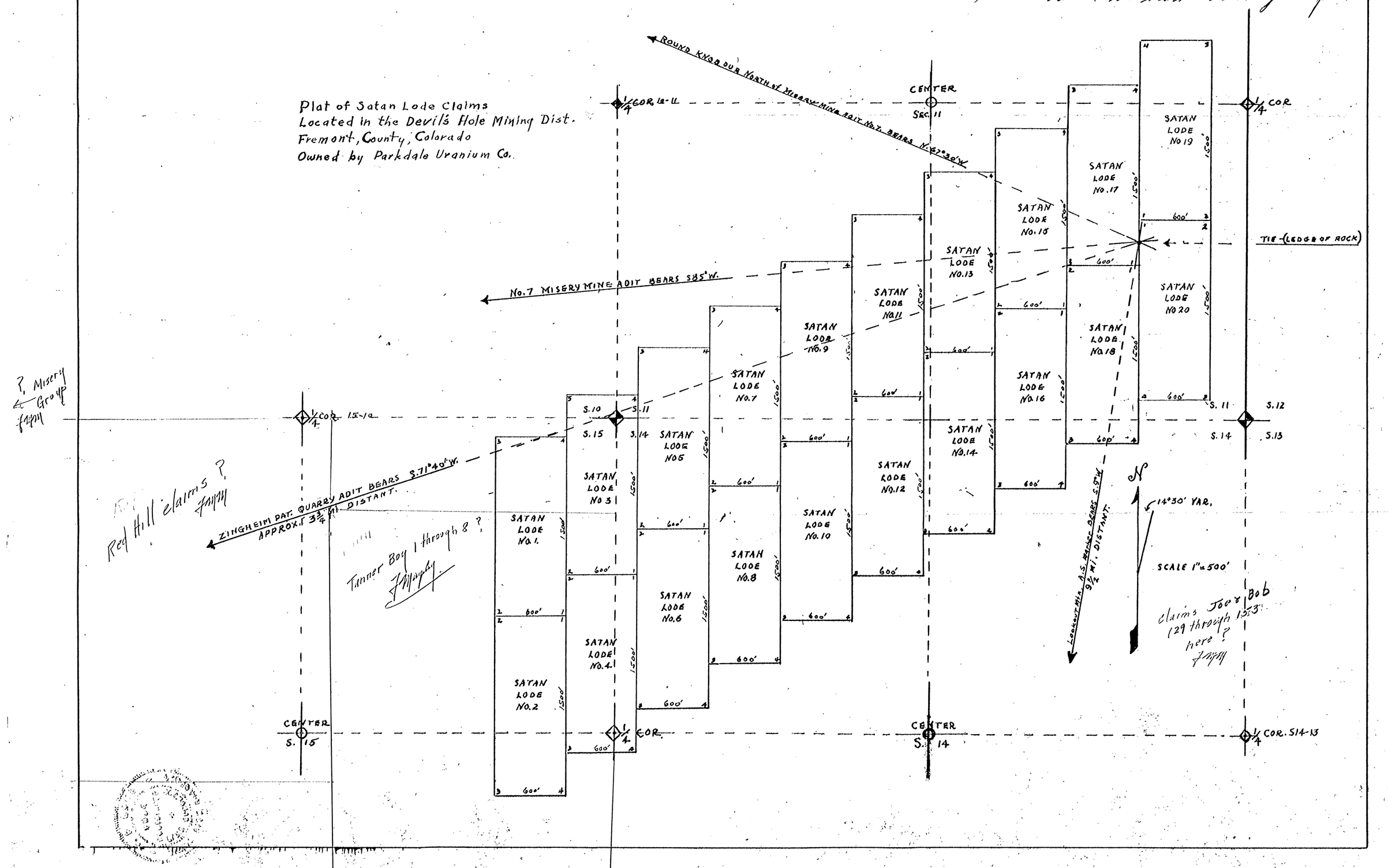
R. H. Houston

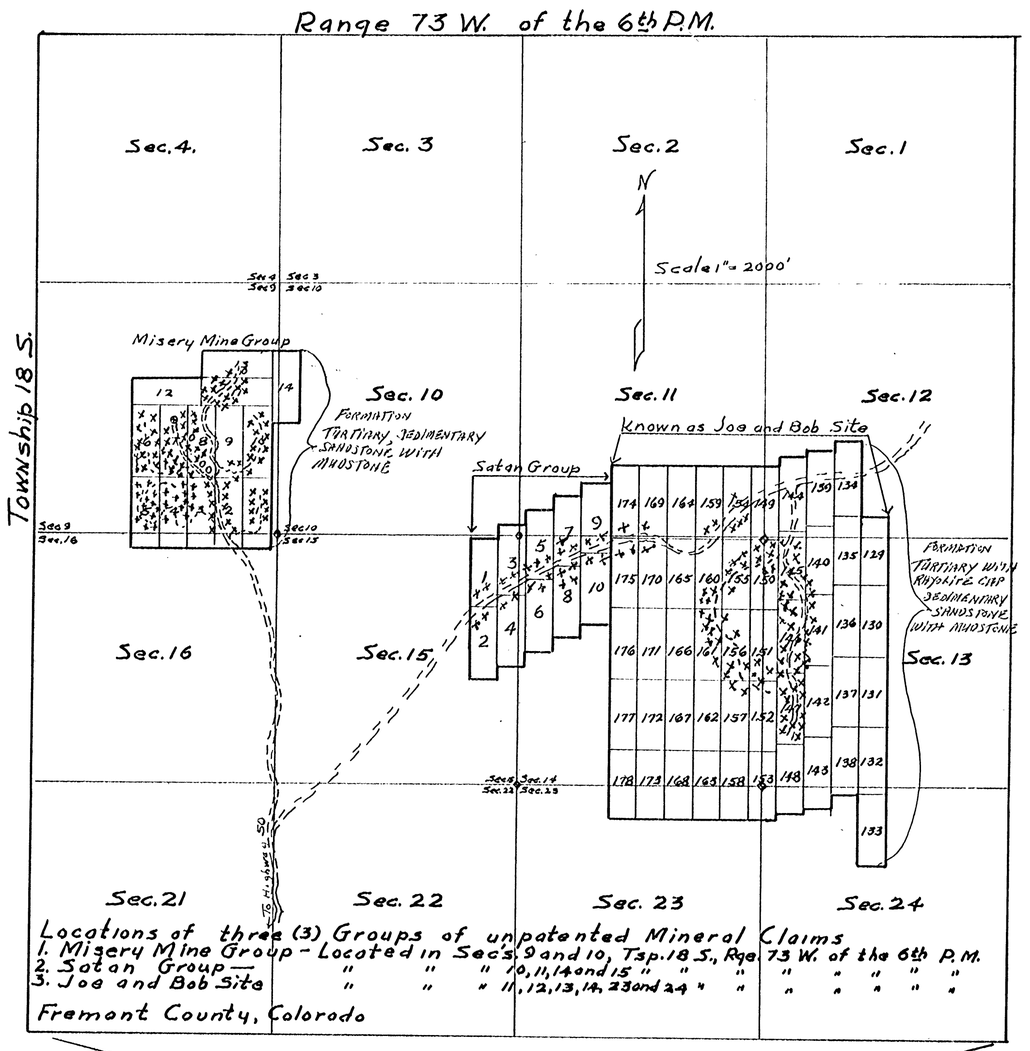
WITNESSED BY ME THIS 28TH DAY OF MAY, 1955

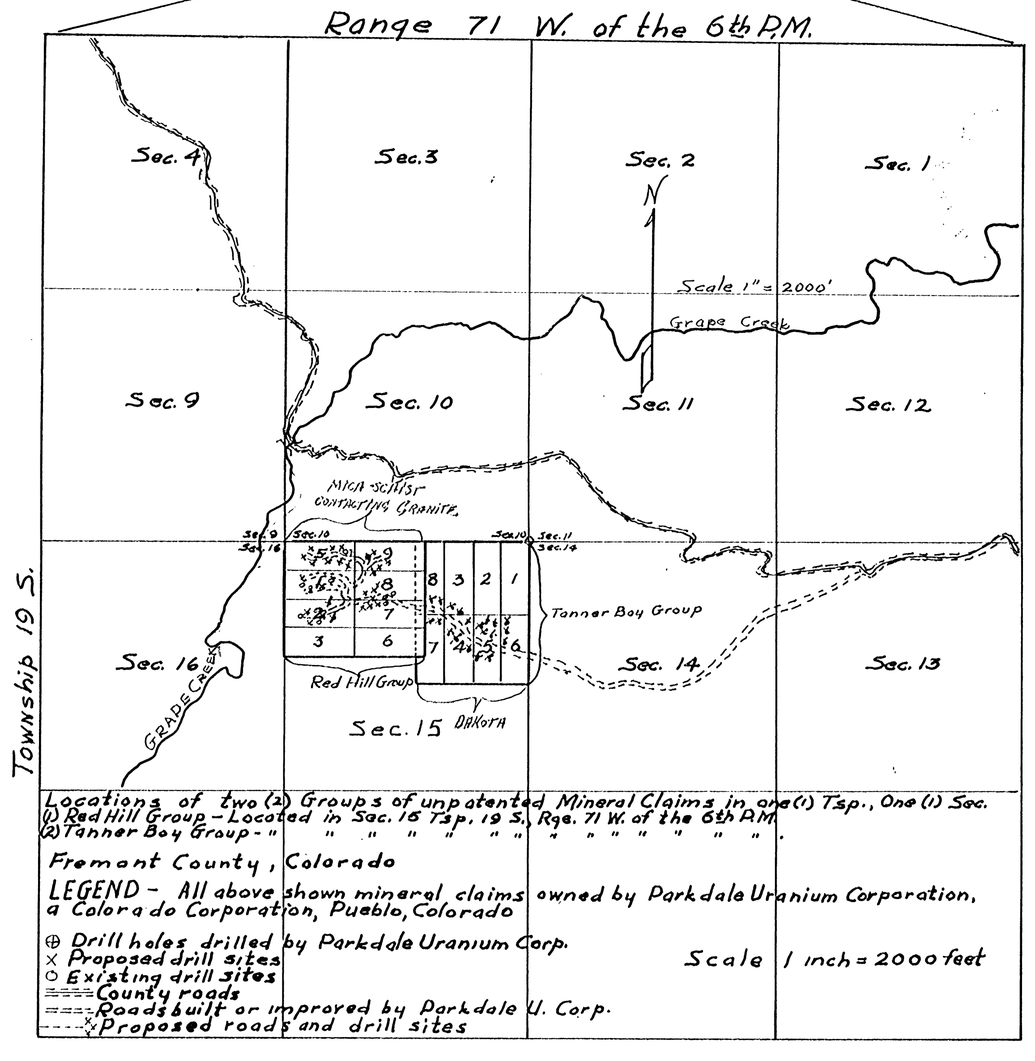
Russel A. Hill
NOTARY PUBLIC

MY COMMISSION EXPIRES: Feb. 25 1958

No work has been done on these claims. They have been prospected. And they carry a count. Are comparable to many mines which we believe are very good. We plan to drill where the hottest readings are found.




Range 73 W. of the 6th P.M.
Sec. 4.
Sec. 3
Sec. 2
Sec. 1
N
Scale 1" = 2000'
Township 18 S.
Misery Mine Group
Sec. 10
Sec. 11
Sec. 12
FORMATION TERTIARY SEDIMENTARY SANDSTONE WITH MUDSTONE
Known as Joe and Bob Site
Satan Group
FORMATION TERTIARY WITH RHYOLITE CAP SEDIMENTARY SANDSTONE WITH MUDSTONE
Sec. 16
Sec. 15
Sec. 13
Sec. 21
Sec. 22
Sec. 23
Sec. 24
To Highway 50
Locations of three (3) Groups of unpatented Mineral Claims
1. Misery Mine Group - Located in Secs. 9 and 10, Tsp. 18 S., Rge. 73 W. of the 6th P.M.
2. Satan Group — " " " 10, 11, 14 and 15 " " " " " " "
3. Joe and Bob Site " " " 11, 12, 13, 14, 23 and 24 " " " " " " "
Fremont County, Colorado


Range 71 W. of the 6th P.M.
Sec. 4
Sec. 3
Sec. 2
Sec. 1
N
Scale 1" = 2000'
Grape Creek
Sec. 9
Sec. 10
Sec. 11
Sec. 12
Township 19 S.
MICA-SCHIST CONTACTING GRANITE
Tanner Bay Group
Red Hill Group
Sec. 16
Sec. 14
Sec. 13
Sec. 15
DAKOTA
GRADE CREEK
Locations of two (2) Groups of unpatented Mineral Claims in one (1) Tsp., One (1) Sec.
(1) Red Hill Group - Located in Sec. 15 Tsp. 19 S., Rge. 71 W. of the 6th P.M.
(2) Tanner Bay Group - " " " " " " " " " " " " " " .
Fremont County, Colorado
LEGEND - All above shown mineral claims owned by Parkdale Uranium Corporation, a Colorado Corporation, Pueblo, Colorado
⊕ Drill holes drilled by Parkdale Uranium Corp.
× Proposed drill sites
○ Existing drill sites
County roads
Roads built or improved by Parkdale U. Corp.
Proposed roads and drill sites
Scale 1 inch = 2000 feet