MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DMEA
Date Rec'd. AUG 14 1956
BUREAU OF MINES
Denver, Colorado

Denied 10/5/56

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. 4326
Metal or Mineral 4426
Date Received
Estimated Cost
Participation (Government %)

Survey Copy

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: Mountain Top Mining and Milling Company
T. R. Gillenwaters, President - PO Box 1451 - Grand Junction, Colorado
or 10354 Wilshire Blvd. - Los Angeles, Calif.

(*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

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

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

(*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 10% gross override outstanding on both claim groups.

(*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.

(*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.

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

(*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.

(*c*) The work will start within 30 days and be completed within 2 1/2 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.

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 [ ] 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 August 2, 1956, 195__

Mountain Top Mining and Milling Company
(Applicant)

By J. R. Gullmwalen Pres
President

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

SUPPLEMENTARY SHEET
Form MF-103

1. (a) Mountain Top Mining and Milling Company
P.O. Box 1451 - Grand Junction, aColorado

(b) T. R. Gillenwaters, President
10354 Wilshire Blvd.
Los Angeles, California

Philip Doerner, Secretary-treasurer)
4921 East 38th Avenue
Denver, Colorado

Jack W. LaFollette, Vice President
240 Jersey Street
Denver, Colorado

(Organized and incorporated in Colorado)

Robert E. Baumgarten, Director
350 Glensummer Road
Pasadena, California

James A. McRae, Director
1500 Murray St.
Midland, Texas

3. Montrose County, Colorado, Bull Canyon Mining District, Secs. 2, 11 of T46N, R18W, NMPM.

Claim	Book	Page
Ball Point	349	65
Ball Point No. 1	343	66
Ball Point No. 2	343	67
Ball Point No. 3	343	68
Ball Point No. 4	343	69
Ball Point No. 5	343	70
Ball Point No. 6	343	71
Ball Point No. 7	343	72
Ball Point No. 8	343	73
Ball Point No. 9	343	74

SUPPLEMENTARY SHEET
Form MF - 103

The Bull Canyon Mining District, Montrose County, Colorado, Sec. 12, T46N, R18W, NMPM.

Location Notice

Claim	Book	Page
Reginald Ward	349	334
Esther Maud	349	333
William Newton	349	333
Donna Anna	349	334

(b) Ball Point Mine

(f) Location Notice

Claim	Book	Page
Ball Point	349	65
" " 1	343	66
" " 2	343	67
" " 3	343	68
" " 4	343	69
" " 5	343	70
" " 6	343	71
" " 7	343	72
" " 8	343	73
" " 9	343	74

Location Notice

Claim	Book	Page
Reginald Ward	349	334
Esther Maud	349	333
William Newton	349	333
Donna Anna	349	334

4. Items a.b.c.d and e are all covered in the accompanying report.

5. (b) See attached report and map.

(d) The applicant is a public stock company organized in the State of Colorado for the purpose of exploiting uranium, oil and base and precious mineral properties.

The president of the company, T. R. Gillenwaters, has been actively

SUPPLEMENTARY SHEET
Form MF-103

participating in uranium exploration, development and mining for the last two years. During this two year period, Mr. Gillenwaters has had in his employ Mr. Robert L. Rock, a graduate mining engineer of the Colorado School of Mines, with five years experience in uranium exploration, development and production to his credit Mr. Rock, who has formulated the proposed drilling program presented in this application, was formerly employed by the United States Atomic Energy Commission for 2 1/2 years as an Exploration Division project geologist. Upon approval of this application, Mr. Rock will be able to competently surpervise the project.

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6. Estimate of Costs

(a)	Contract for 16,650 feet dry rotary non-core drilling @ $1.25/foot	$20,812.50
	10 days contract D-7 Cat. Work @ $100/day	1,000.00
	Engineering and geological fees, 2 1/2 months @ $600/mo.	1,500.00
	Deep hole probe, counter and reel assembly	675.00
	Transportation, housing, food expenses for project supervision, 2 1/2 mos. @ $150/mo.	375.00
	Assaying, blueprinting, etc.	100.00
	Estimated total cost of project	$24,462.50

MINING DEED

KNOW ALL MEN BY THESE PRESENTS, that Glenwood Mining & Uranium Corporation, a Colorado corporation, hereinafter referred to as "Grantor", in accordance with a Contract of Purchase and Sale between the Grantor and Mountain Top Mining and Milling Company, a Colorado corporation, hereinafter referred to as "Grantee", entered into by and between those parties on the 28th day of February, 1956, and in consideration of the promise by Grantee to issue to Grantor Three Hundred and Twenty-five Thousand (325,000) shares of the Grantee's common stock, does hereby grant, bargain, sell, remise, release and forever quitclaim, and by these presents does grant, bargain, sell, remise, release and forever quitclaim unto Grantee all of its right, title and interest in sixty-one (61) unpatented lode mining claims, forty-seven (47) of which are commonly called the West Carbondale Prospect in Pitkin County, Colorado and the other fourteen (14) of which are commonly known as the Davis Mesa Prospect in Bull Canyon Mining District, Montrose County, Colorado and which are described in greater detail in the location certificates recorded as follows:

Davis Mesa Propsect recorded in the county records of Montrose County, Colorado:

Claim Name	Book	Page
Ball Point	343	65
Ball Point No. 1	343	66
Ball Point No. 2	343	67
Ball Point No. 3	343	68
Ball Point No. 4	343	69
Ball Point No. 5	343	70
Ball Point No. 6	343	71
Ball Point No. 7	343	72
Ball Point No. 8	343	73
Ball Point No. 9	343	74
William Newton	349	334
Esther Maud	349	333
Donna Anna	349	333
Reginal Ward	349	334

West Carbondale Prospect recorded in the County records of Pitkin County, Colorado:

Leanna lode mining claims numbers 1 to 30, both inclusive;
Jim lode mining claims numbers 1 to 8, both inclusive;
Elsie lode mining claims number 1 to 8, both inclusive;
Sunset No. 1 lode mining claim.
Recorded as documents numbered 101, 608 to 101, 654, both inclusive.

Such descriptions are hereby incorporated by reference.

To have and to hold the granted premises with all the privileges and the appurtenances thereto belonging to the said Grantee, its successors and assigns to their own use forever, subject to all previously reserved royalty or royalties.

The Grantor does hereby assert that it is the owner of the premises discussed herein, that it has good right and authority to convey same; however, the undersigned Grantor does not warrant title to the properties conveyed herein.

IN WITNESS WHEREOF, the Grantor has hereunto caused its signature and seal to be affixed this 26th day of March, 1956.

ATTEST:

S/ Paul R. Burkaw
Secy.

GLENWOOD MINING & URANIUM CORPORATION

By S/ Wilbur Rocchio
Authorized Officer

STATE OF Texas)
)
COUNTY OF Midland)

The forgoing instrument was acknowledged before me this 26th day of March, 1956 by Wilbur Rocchio as Vice President of Glenwood Mining & Uranium Corporation.

Witness my hand and official seal.

S/ Nell Woods
Notary Public

My commission expires June 1, 1957

GEOLOGIC REPORT
BALL POINT and NEWTON CLAIM GROUPS
WILD STEER CANYON, COLORADO

INTRODUCTION:

16 July 1956

The Ball Point Group, consisting of the Ball Point Claim and the Ball Point Claims Nos. 1-9, total ten claims, which are contiguously located in Secs. 2 and 11, T46N, R18W, NMPM.

The Newton Group is composed of four contiguous claims which are located a quarter of a mile southeast of the Ball Point Group in Sec. 12, T46N, R18W, NMPM. Both claim groups are in the Bull Canyon Mining District of Montrose County, Colorado.

The properties are accessible by traveling four miles west from Naturita, Colorado on State Highway 141 and thence turning south on State Highway 90 and traveling 19 miles to the Monogram Mesa mine access road. The Monogram Mesa road is then followed for about four miles to the point where the road forks and goes up onto Monogram Mesa proper. Keeping right at this fork, travel approximately five more miles to the Newton Group access road, which forks to the left. By continuing on for about two miles past the Newton fork, access can be gained to the Ball Point Group. A deep canyon separates the two claim groups, making it necessary to drive three miles from one group to the other.

The Wild Steer mine camp and the Wild Steer mine access road are passed in the last two miles before the turn-off to the Newton Group is reached.

The Wild Steer mine is located two miles southeast of the property, while V.C.A.'s Monogram mines and the Joe Dandy mine range from three to five miles to the southeast and approximately on strike with the property.

The nearest mill is at Naturita, Colorado, 23 miles distant. Naturita is a good-sized mining community, which can provide mining supplies and manpower for the average exploration and mining needs.

HISTORY OF OPERATIONS:

On the Ball Point Claim group, 8.8 tons of high grade ($\nless$ .30% U_3O_8) carnotite ore have been mined from an outcrop in the second rim of the Ball Point claim. (see attached map) After this quantity of ore was removed, the ore body thinned noticeably and mining was discontinued. Later an attempt was made to extend the mineralization through wagon drilling. Although some ore was discovered 200 feet back from the rim, it did not justify the expense of drifting to it. Additional drilling in the general area of the aforementioned mineralized outcrop has recently been accomplished by the Mountain Top Mining and Milling Company, present owners of the property. Although more mineralization was discovered, ore in

commercial quantity was not found.

On the Newton Group, which is also presently owned by Mountain Top Mining and Milling Company, four holes were drilled behind a small but high grade carnotite outcrop on the William Newton claim. This drilling failed to extend the mineralization which is in the third Salt Wash rim.

A thick, favorable looking channel sand containing abundant limonite occurs in the first rim on the Esther Maud and William Newton claims. (see attached map)

Drilling along the trend of this sedimentary structure might well prove fruitful. Drilling has been confined to close-spaced offset drilling behind the mineralized outcrops.

GEOLOGY:

The properties are located on the southwest flank of the Paradox Valley Anticline, which influences the bedding to dip between three and five degrees to the southwest.

The Salt Wash sandstone, the potential uranium producing member, displays three sandstone ledges, each a potential uranium-bearing horizon. Although the first and third rims have proven to be the most productive units in the area, the second rim has produced high grade ore in some localities within the district. The Salt Wash which has not been removed by erosion is approximately 275 feet thick and displays well-developed primary sedimentary structures such as cross-bedding, festooning and scouring. The texture of the sandstone is generally fine to medium grained with carbon and limonite present in widely varying amounts.

Ore controls appear to be an intraformational channeling system with carbon playing a strong localizing role. Ore extensions are expected to coincide with the directions of deposition which can be interpreted by studying the primary sedimentary features. A study of these features suggests a northeasterly depositional trend.

All ore discovered so far has been the mineral carnotite in the form of bedded deposits. The ore is high grade, but outcrops are small, i. e., 30-40 feet long and averaging perhaps eight or nine inches in width.

Carbon and channelization, the localizing ingredients necessary for ore deposition, are prevalent on rim exposures and the two mineralized outcrops indicate that the area has been exposed to uranium mineralizing solutions. Considering these two facts in conjunction with the structural setting of the properties, i.e., on strike with several significant ore bodies only a short distance to the southeast, I am very optimistic about the potential of the property.

The accompanying map shows a drilling proposal for both claim groups which

would utilize a total footage of approximately 16,650 feet.

Thirty holes totaling 4,500 feet and averaging 150 feet in depth are designed for the Newton group, while 81 holes totaling 12,150 feet and averaging 150 feet in depth are proposed for the Ball Point Group.

Rotary air drilling is recommended because experience has shown that the highly fractured nature of the ground will limit wagon drilling. Core drilling is not anticipated, since a good stratigraphic picture is afforded by surface exposures and cuttings can be logged with sufficient accuracy to allow delineation of favorable ground. Each proposed hole should be logged, both lithologically and radiometrically. The proposed holes are all collared in the Salt Wash and bottomed in the shale underlying the lowest Salt Wash Sandstone ledge.

The average cost per foot is estimated at $1.25, and 10 days of D-7 Caterpillar work should suffice to construct drill sites. The total project as herein outlined will cost approximately $24,000.00.

Sincerely submitted,

Robert L. Rock

RLR:dj

Robert L. Rock
Mining Engineer

MOUNTAIN TOP
MINING AND MILLING COMPANY

C. A. JOHNSON BUILDING
SUITE 434
DENVER, COLORADO

OPERATIONS OFFICE
P. O. BOX 1451
GRAND JUNCTION, COLORADO

17 September 1956

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region 111
224 New Customhouse Bldg.
Denver 2, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
SEP 18 1956
REGION III
DENVER, COLORADO

Re: Docket No. DmEA 4426 (Uranium)
Ball Point Claims, etal.
Mountrose County, Colorado

Dear Sir:

Enclosed you will find the lithologic logs and bottoming depths of all holes drilled by the Mountain Top Mining and Milling Company.

All the holes were gamma-logged and anomalous radioactivity is shown on the logs as equivalent percent U_3O_8.

A few holes have been drilled by persons unknown to our company, and, of course, we have no record of these other than gamma logs from those holes which we were able to probe. The ore hole shown on the map is in this category and its gamma log reveals about one foot of .25 percent U_3O_8 at a depth of 65 feet.

Very truly yours,

MOUNTAIN TOP MINING AND MILLING CO.

T. R. Gillenwaters

T. R. Gillenwaters
President

TRG:dj

LITHOLOGIC LOGS

Hole No. B. P. 27 Depth 75' Bottomed 6-15-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
	5	L. Red			
	10				
	15				

------	20				

------	25	Red			

------	30				

------	35				

	40				
	45				
	50	L. Gray			
	55		C. [illegible]		
-.-.-.-	60		(60.0-60.5' .0% Min)		.10 Radiometric Sampl
	65	L. Green	L, S		No chemical because of low grade
------	70				
------		Red			
------	75				

LITHOLOGIC LOGS

Hole No. B. P. 24 Depth 110' Bottomed 6-16-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	L			
	Red			
	10			

-----	Red			
-----	20			
	30 Red	L, S		

	35			
	Red			
	40			
-.-.-.	Gn-Gy			
.-.-.-	45			
	50 Yw.	L, A		
	55	C, S		

-------	60 Red			
	65 L			
	Red			

-------	70			
-------	Red			

-------	75			
-.-.-.-				
.-.-.-.	80 Yw.	L, S		
-.-.-.-				
.-.-.-.	Gn			
	85 Gy.			
-.-.-.-	90			
.-.-.-.				
-.-.-.-	95 Yw.			
.-.-.-.				
-.-.-.-	100 Gn.			
	110		98' - 110' No Cuttings	

LITHOLOGIC LOGS

Hole No. B. P. 25 Depth 73' Bottomed 6-13-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
0				
5	L. Gray			
10				

------- 15				

------- 20	L. Red			

------- 25				

------- 30				

35	Gray			
40				
------- 40				

-------	Red			
45				
50				
55	Gray	Limonite Some		
60				
65				

------ 70				

75				

LITHOLOGIC LOGS

Hole No. B. P. 29 Depth 74' Bottomed 6-15-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	L.			
	10 Gray			

------- 15				

------- 20				

--------				
	25 L. Red			

------- 30 Red				
	35			
	40			
	45 L. Red			
	50			
	55			
	60	C. Sp.		
------ 65				

------ 70				

	75			

LITHOLOGIC LOGS

Hole No. B.P. 28 Depth 75' Bottomed 6-15-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	L. Red			
	5			
	L. Gray			
		L. G		
------	10			

------	15			

------	20 Red			

------	25			

------	30			

	35			
	40			
	45			
	50 Red			
	55	L. G		
	60		62.5 - 66' .06% Min	no sample taken
-.-.-.	65 L Grn	C., p.		

------	70 Red			Because of too weak

-------	75			Gamma - Deflection

LITHOLOGIC LOGS

Hole No. B. P. 22 Depth 125' Bottomed 6-14-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	Gray			
	5			

------	10			

------	15 Light			
------	Red			
------	20			

	25			
	30 Light	L. S.		
	35 Gray			
------	40			
------	L. Red			
------	45			

'''''''''				
'''''''''	50 Gray			
'''''''''				
	55			
	Gray			
------	60			

------	65 Red			

	70			
	75 Gray	L, S		
	80			

------	85			

	90			
	95 L.	L, A		
	Yw.			
	100			

Continued Page 2

Hole No. B.P. 22 Depth 125' Bottomed 6-14-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	105			
	110			104 - 121' No cuttings
	115			
	120			

------	125			

LITHOLOGIC LOGS

Hole No. B.P. 9 Depth 75' Bottomed 6-12-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
0				
	Gray			
5				
10				
15	Red			
20				
25				
	L			
30				
	Red			
35				
40				
45		L, S		
	Gray			
50				
55				
60				
	Gray	L, S		
65				
70				
75				

LITHOLOGIC LOGS

Hole No. B. P. 10 Depth 79' Bottomed 6-12-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0 Gray			
------	5			

------	10			

------	15 Light			
------	Red			
------	20			

------	25			

------	30			
	35 Gray			
-.-.-.				
.-.-.-				
-.-.-	40 Red			
.-.-.-				
-.-.-.				
	45			
	50			
	55 Gray	L. Some		
	60			
	65	C. Sp		
	70			

------	75			

	80			

LITHOLOGIC LOGS

Hole No. B. P. 21 Depth 68' Bottomed 6-16-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
'''''''''	0				
'''''''''					
'''''''''	5				
'''''''''		Gray			
'''''''''	10				
'''''''''					
'''''''''					
-.-.-.-	15				
.-.-.-.		L.			
-.-.-.-	20	Red			
.-.-.-.					
-.-.-.-					
	25				
	30	L. Gray	L.		
	35				
-------	40				

-------	45	L. Red			

-------	50				

	55		L. S.		
'''''''''	60				
'''''''''		Gn.			
'''''''''	65	Yw.	L. A		Drilled to 96' w/o cuttings then caved Gammas Logged to 68'
'''''''''					
'''''''''					
	70				

LITHOLOGIC LOGS

Hole No. B.P. 15 Depth 136' Bottomed 6-22-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
0				
	Gray			
5				
10				
	Red			
15				
20	L. Gray			
25				
	Red			
30				
35	Gray			
40				
45				
50				
55				Hole caved behind steel prohibitting Garnma-Logging
60				
65				
70				
75				
80				
85				
90				
95	Gray	L. S		
100				
105				
	Gn	L. Sp		
110				
115				
120				
125	Gray	L. S		
130				
135	Red			

LITHOLOGIC LOGS

Hole No. B. P. 14 Depth 137' Bottomed 6-11-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		Light			
	5	Gray			

--------	10				

--------	15				
--------		Light			
--------	20	Red			

--------	25				

--------	30				

	35				
		Gray			
--------	40				

--------	45				

---------	50				

---------	55				

	60	L.			
		Gray			
	65				
*********					
*********					
*********	70				
*********					
*********					
*********	75				
*********					
*********					
*********	80				
*********					
*********					
	85				
		L.			
	90	Gray			
	95				
		L.			
	100	Red			
	105				

(Continued next page)

Hole No. B.P. 14 Depth 137' Bottomed 6-11-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks

-------- 110				
--------	L.Red			
115				
	Gray			
120				
125				No cuttings
130				120' - 136'
135				
140				

BALL POINT CLAIM GROUP

Hole No.	Depth	Probe Depth	Remarks
1		--	Lost Hole
2		48	None
3		118	None
4		63	None
5		63	None
6		64	None
7		60	None
8		93	None
9		75	None
10		79	None
11		91	None
12		96	None
13		85	None
14		137	None
15			Lost Hole
16	150		Not Attempted
17	150		
18	150		
19	110		
21	110	60	36' caved
22		125	None
23	110	76	Stuck Steel
24		110	None
25		73	
26		74	
27		75	.10 Min 60-60.5'
28		75	.06 Min 62.5-66'
29		74	None

FAMILY CLAIM GROUP

Hole No.	Depth	Probe Depth	Remarks
1		44	None
2		43	None
3		43	None
4		43	None
5	180		Not attempted
6	180		
7	180		
8	180		
9	180		
10	180		
11	180		
12	180		
13	180		
14	180		

LITHOLOGIC LOGS

Hole No. B. P. 3 Depth 118' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
-.-.-	0			
.-.-.				
-.-.-				
.- -.	5			
-.-.-	L			
-.-.	Red			
- -.-	10			
.-.-.				
-.- -				
----	15			
----	Gray			

	20			
	25			
	30 Gray			
	35			
	40			
--------	45			

--------	50			
--------	Red			

---------	55			

---------	60			
-.-.-.-				
.-.-.-.				
-.-.-.-	65	L. C.		
.-.-.-	Yellow	Some		
-.-.-.-	70			
.-.-.-.				
-.-.-.				
'''''''''	75			
'''''''''	Gray			
'''''''''				
'''''''''	80			
	85			
	90			83 - 118' No Cuttings
	95			
	100			
	105			
	110		Hole Bottomed 118'	

LITHOLOGIC LOGS

Hole No. B. P. 2 Depth 48' Bottomed 6-7-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
-.-.-	0			
-.-.-	L			
.-.-	Red			
-----	5			

----	10			

----	15			
----	Gray			

----	20			

	25			
	Gray	L, Some		
	30			
	L			
	35			
	Red			
----	40			

----	45			

	50		Hole Bottomed 48'	

LITHOLOGIC LOGS

Hole No. B. P. 4 Depth 63' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralizations	Remarks
	0			
	5 Red			
	10			
	Gray 15	L, Some		
	L. 20 Red			
	25 Gray	C, some		
	30			
	35 Gray	L, Some		
	40 Red 45			
	50	C, Some		
	55 Gray	L, Some		
	60			
	65			

LITHOLOGIC LOG

Hole No. B. P. 5 Depth 63' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
-.-.-.-	0			
.-.-.-.				
-.-.-.-				
.-.-.-.-	5			
-.-.-.-.				
.-.-.-.-				
- -.-.-.	10			
.-.-.-.-	Red			
-.-.-.-.				
.-.-.-.-	15			
-.-.-.-.				
.-.-.-.-				
-------	20			

-------	25 L			
-------	Red			

-------	30			

	L.			
	35 Gray			

-------	40 L.			
-------	Red			

	45			
	50			
	55 Gray	L, Some		
		C, Some		
	60			

	65			

LITHOLOGIC LOGS

Hole No. F.G. 4 Depth 43' Bottomed 6-23-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
------	0				

------	5				
------		L.			
------		Red			
------	10				

------	15				

	20				
	25	L. Gray			
	30		L.5		
------	35				
------		Red			

------	40				

	45				

LITHOLOGIC LOGS

Hole No. B. P. 12 Depth 87' Bottomed 6-9-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		Light	L, S		
	5	Gray	C, Sp		
	10				
-.-.-.-	15				
-.-.-.-					
-.-.-.-		Red			
-.-.-.-	20				
-.-.-.-					
-.-.-.-					
-------	25				

-------	30				
-------		Light	L, S		
-------	35				
-------		Red			
-------	40				

	45				
		Light Red	L, S		
-------	59				

-------	60	L			
-------		Red			

-------	65				

-------	70				
	75				
		L Gray	L, S		
	80		C, Sp		
*********	85				

LITHOLOGIC LOGS

Hole No. B. P. 13 Depth 85' Bottomed 6-10-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	L. Gray	Limonite Some		
	5			
-.-.-				
.-.-.				
-.-.-	10			
.-.-.	Red			
-.-.-				
.-.-.	15			

------	20			
------	Light Red			

------	25			

------	30			

------	35			
	L Gray	L, s C, Sp		
	40			

-------	45 L			
-------	Red			

-------	50			
	55 L. Gray			
--------	60			

--------	65			
--------	L Red			

--------	70			

--------	75			
	L. Gray			
	80			

Hole Bottomed Shale 85'

LITHOLOGIC LOGS

Hole No. B.P. 8 Depth 93' Bottomed 6-8-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
'''''''''	0				
'''''''''					
'''''''''	5	L.	L,		
'''''''''		Gray	Some		
'''''''''	10				
-.-.-.-					
.-.-.-.					
-.-.-.-	15	Red			
.-.-.-.					
-.-.-.-					
-------	20				

-------	25	L.			
-------		Red			
-------	30				

	35				
	40				
		Gray	L, Some		
	45				
			C, Sp.		
	50				
	55				
	60				
	65				
	70				
	75				
	80				
	85				
	90				
	95				

LITHOLOGIC LOGS

Hole No. B. P. 6 Depth 64' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	5 Gray			
	10			
	Red			
	15			
	20 L. Red			
	25			
	30 Red			
	35			
	40			
	45 L. Gray	L, Some C, Some		
	50			
	55			
	60 Red			
	65			

LITHOLOGIC LOGS

Hole No. F.G. 1 Depth 44' Bottomed 6-22-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
--------	0			

--------	5			

--------	10 Light	L, S		

--------	15 Red			

--------	20			

	25			
	30 L. Gray	L, S		
---------	35			

---------	L.			
---------	40 Red			

	45			

LITHOLOGIC LOGS

Hole No. F.G. 2 Depth 43' Bottomed 6-23-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
------	0				

------	5				
------		Light			
------	10				
------		Red			

------	15				
	20	Gy	L.S		
------	25	Light			

------		Red			
-------	30				
	35				
	40				No cuttings
	45				

Hole No. F.G. 3 Depth 43' Bottomed 6-22-56

------	0				

------	5				

-------	10	Light			

------	15	Red			

------	20				

	25				
	30	Gray			
------	35				
------		L.			
------	40	Red			

	43				

LITHOLOGIC LOGS

Hole No. B. P. 7 Depth 60' Bottomed 6-9-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
-------	0			

-------	5			
-------	Light			
-------	10 Red			

-.-.-.-	15			
-.-.-.	Gray &			
-.-.-.-				
.-.-.-.	20 Red Mot.			

------	25			
------	Red			

------	30			
	35			
	L.			
	40 Gray	Limonite Some		
	45			
	50			47-60' No cuttings
	55			couldn't get through second sand because of caving ground
	60			

LITHOLOGIC LOGS

Hole No. B. P. 14 Depth 91' Bottomed 6-9-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	5 Gray	C - S L - S		
	10			
	Red			
	15			
	20 Light Red			
	25			
	30 Red			
	35			
	40 Red			
	45			
	50 YW	Limonite Abundant		
	55 Gray	Carbon Sp.		
	60			
	65 Light	L, Sp.		
	70 Red			
	75			
	80 L Gray	L, A.		
	85	C, Sp.		
	90 Red			
	95			

Chp

This is the case I discussed with you. EWE

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

28

DATE 9-21-56

REFERRED TO:

1. Operating Committee, 4459
2. Mr. Johnson, Rm. 4460
3. Mr. Mittondorf, Rm. 4459
4. Mails & Files, Rm. 4450
5. Return docket to Code 700

DMEA-4426

FOR:

____ Action	____ Recommendation
____ Approval	____ Record of ____
____ Comment	____ Referring to ____
____ Conference	____ Reply for signature of ____
____ Consideration	____ Rewriting
____ Filing	X Signature
____ Instructions	____ Suggestions
____ Investigation	____ Your information
X Initials	
X Mailing	
____ Previous correspondence	

P.S.

REMARKS: I believe we have sufficient information to deny this application without making a field exam. EWE

Check (X) before the items needing attention.

Ernest W. Ellis
Initials of sender.

GPO 16—63815-1

cla

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

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

Re: Docket No. DMEA-4426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Traver:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated September 5 and 21, from Mr. W. P. Williams, USGS, and September 7 and 27, from Messrs. John E. Crawford and James Paone, USBM, respectively, relating to the subject project.

If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Glenwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

Sincerely yours,

Chairman, Operating Committee

Enclosures

Frank D. Lamb (noted)
Member, Bureau of Mines

Noted: Thos H. Kleinpaard
Member, Geological Survey

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

Mr. W. M. Traver
Executive Officer
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Sincerely yours,

Chairman, Operating Committee

Enclosures

Member, Bureau of Mines

Member, Geological Survey

IN REPLY REFER TO:

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

RECEIVED
SEP - 7 1956

September 5, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4426 (uranium), Mountain Top Mining and Milling Company, Ball Point Mine, Montrose County, Colorado.

The applicant proposes to explore for uranium ore deposits on 14 mining claims located in the Bull Canyon district. The proposed project would consist of a total of 16,650 feet of rotary drilling at an estimated total cost of $24,462.00.

Some 26 holes, drilled by the applicant, failed to extend small ore outcrops. About 9 tons of ore have been mined from the property.

After study of the application, Mr. D. P. Elston, USGS, Grand Junction, points out in a memorandum dated July 16, 1956, that the property is located poorly with regard to major trends of mineralization, that previous examination of the Salt Wash sands on the property shows them to be unfavorable for large ore deposits, and that the known mineralization on the property is found in a zone other than the principal ore zone of the vicinity. Mr. Elston is thoroughly familiar with the general area and has presented in his memo a convincing description of the unfavorable features of the property.

In view of the large amount of information already available about the property it seems that a field examination, in the strict sense of the word, would be superfluous. I recommend that the application be denied, on the basis of information presently available to the Government.

WPWilliams:iml
G-9/6/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

W. P. Williams

IN REPLY REFER TO:

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

RECEIVED
SEP - 7 1956

September 5, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4426 (uranium), Mountain Top Mining and Milling Company, Bull Point Mine, Montrose County, Colorado.

The applicant proposes to explore for uranium ore deposits on 14 mining claims located in the Bull Canyon district. The proposed project would consist of a total of 10,650 feet of rotary drilling at an estimated total cost of $24,402.00.

Some 20 holes, drilled by the applicant, failed to extend small ore outcrops. About 9 tons of ore have been mined from the property.

After study of the application, Mr. D. P. Elston, USGS, Grand Junction, points out in a memorandum dated July 16, 1956, that the property is located poorly with regard to major trends of mineralization, that previous examination of the Salt Wash sands on the property shows them to be unfavorable for large ore deposits, and that the known mineralization on the property is found in a zone other than the principal ore zone of the vicinity. Mr. Elston is thoroughly familiar with the general area and has presented in his memo a convincing description of the unfavorable features of the property.

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WPWilliams:iml
G-9/6/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

W. P. Williams

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

RECEIVED
SEP - 7 1956

Date 9/7/56

DMEA Docket No. 4426
DMEA Contract No.
Commodity Uranium
Name of applicant Mountain Top Mining & Milling Co.
Name of property Ball Point Mine
Location of property Montrose County, Colorado
Estimated cost of project $24,462.50

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: 8/2. 2. Date received by reviewer: 9/5.

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 drilling 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. _____ at _____ AEC office.

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

The application has been reviewed with J. O. Hosted, Washington representative of the Atomic Energy Commission. We concur with the recommendations of the Field Team in their attached memorandum of August 31.

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

RECEIVED
SEP - 7 1956

Date 9/7/56

DMEA Docket No. 4426
DMEA Contract No.
Commodity Uranium
Name of applicant Mountain Top Mining & Milling Co.
Name of property Ball Point Mine
Location of property Montrose County, Colorado
Estimated cost of project $24,462.50

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.)

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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. _____ ☐

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- 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 ☐
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IN REPLY REFER TO:

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

RECEIVED
SEP 24 1956

September 21, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of supplemental information, DMEA 4426, Mountain Top Mining and Milling Company, Ball Point Mine, Montrose County, Colorado (uranium).

As information supplemental to the subject application the applicant submits partial gamma ray logs for 29 previously completed drill holes, lithologic logs for 24 of the holes, and a small scale claim map showing the locations of the holes.

The lithologic logs are so brief and so lacking in detail that they are of little real use. Furthermore, the "lithology" of the holes is designated symbolically on the logs, but no legend is presented as a key to the symbols. The gamma ray logs are noteworthy in the fact that only one hole, No. 27, showed any appreciable radioactivity -- and the value of that was only 0.10 percent eU_3O_8 through a thickness of only 0.5 feet.

The supplemental drill hole logs demonstrate one fact rather clearly -- the unsuccessfulness of the past drilling. Although the completed drilling covers only a minor part of the property the drilling very likely indicates the results that might be expected from further exploration work. This conclusion is based on the geologic information already known about the area (see D. P. Elston's memorandum Aug. 28, 1956).

The supplemental logs and map do not cause me to alter in any manner my recommendations of September 5, 1956. It would be advisable to ask the Field Team for their opinion concerning denial of the application without formal field examination.

WPWilliams:iml
G-9/21/56

W. P. Williams

cc: Director's reading, 4212
Branch reading, 4212
DMEA(3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

RECEIVED
SEP 24 1956

September 21, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of supplemental information, DMEA 4426, Mountain Top Mining and Milling Company, Ball Point Mine, Montrose County, Colorado (uranium).

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The supplemental logs and map do not cause me to alter in any manner my recommendations of September 5, 1956. It would be advisable to ask the Field Team for their opinion concerning denial of the application without formal field examination.

WPWilliams:iml
G-9/21/56

W. P. Williams

cc: Director's reading, 4212
Branch reading, 4212
DMEA(3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

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

RECEIVED
SEP 27 1956

Date 9-27-56

DMEA Docket No. 4426
DMEA Contract No.
Commodity Uranium
Name of applicant Mountain Top Mining & Milling Co.
Name of property Ball Point Claims
Location of property Montrose, County, Colorado
Estimated cost of project $24,462.50

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 9/17/56. 2. Date received by reviewer: 9/19/56.

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. _____ at _____ AEC office.

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

Reviewed application 9/7/56. Supplemental information essentially negative. Mr. J. O. Hosted, Washington Representative of the Atomic Energy Commission, assisted in the review.

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

RECEIVED
SEP 27 1956

Date 9-27-56

DMEA Docket No. 4426
DMEA Contract No.
Commodity Uranium
Name of applicant Mountain Top Mining & Milling Co.
Name of property Ball Point Claims
Location of property Montrose, County, Colorado
Estimated cost of project $24,462.50

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

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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. _____ at _____ AEC office.

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

Reviewed application 9/7/56. Supplemental information essentially negative. Mr. J. O. Hosted, Washington Representative of the Atomic Energy Commission, assisted in the review.

Surname copy

700

FIKnouse

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

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

Re: Docket No. DMEA-4426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Traver:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memorenda, dated September 5 and 21, from Mr. W. P. Williams, USGS, and September 7 and 27, from Messrs. John E. Crawford and James Paone, USBM, respectively, relating to the subject project.

If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Glenwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

FIKnouse
MCHoing/gla
9-28-56

Sincerely yours,

cc to: Admr.'s Reading File
Operating Committee
Docket

Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Knouse

Enclosures

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

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

Mr. L. M. Traver
Executive Officer
DMEA Field Team, Region III
22d New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Traver:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated September 5 and 21, from Mr. W. F. Williams, USGS, and September 7 and 27, from Messrs. John E. Crawford and James Paone, USBM, respectively, relating to the subject project.

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1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Glenwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

FIKnouse
MMking/gla
9-28-56

Sincerely yours,

Chairman, Operating Committee

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Enclosures Code 700
Mr. Knouse

Member, Bureau of Mines

Member, Geological Survey

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

Mr. R. M. Trevor
Executive Officer
DMEA Field Team, Region III
721 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Trevor:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated September 5 and 21, from Mr. W. F. Williams, USGS, and September 7 and 27, from Messrs. John B. Crawford and James Paone, USBM, respectively, relating to the subject project.

If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Clamwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

FKnouse
MMing/gla
9-28-56

Sincerely yours,

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JBCrawford, Rm. 3643
THKillingsgard, Rm. 5224
JOHooted, Rm. 3210, OFA
Code 700
Mr. Knouse

Chairman, Operating Committee

Enclosures

Member, Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE

(date)

Member, Geological Survey

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

Mr. L. M. Trauer
Executive Officer
DMEA Field Team, Region III
2th New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Trauer:

The captioned application is returned to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated September 5 and 21, from Mr. L. P. Willinger, DMEA, and September 7 and 27, from Messrs. John F. Crawford and James Paone, DMEA, respectively, relating to the subject project.

If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Glenwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

Sincerely yours,

Chairman, Operating Committee

FKnowns
MMking/gla
9-28-56

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JFCrawford, Rm. 3643
TMKillegaard, Rm. 5228
JMCosted, Rm. 3210, GSA
Code 700
Mr. Knowns

Enclosures

Member, Bureau of Mines

Member, Geological Survey

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

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

Re: Docket No. DMEA-4426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Travers:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated September 5 and 21, from Mr. R. P. Williams, USGS, and September 7 and 27, from Messrs. John E. Crawford and James Paone, USBM, respectively, relating to the subject project.

If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Glenwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

FIKnouse
MMking/gla
9-28-56

Sincerely yours,

Chairman, Operating Committee

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JCHosted, Rm. 3210, DMEA
Code 700
Mr. Knouse

Enclosures

Member, Bureau of Mines

Member, Geological Survey

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

Mr. W. W. Trawer
Executive Officer
DMEA Field Team, Region III
[illegible] Federal Building
Denver 2, Colorado

Re: Docket No. DMA-[illegible] (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Trawer:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

Enclosed are copies of memoranda, dated September 5 and 21, from Mr. [illegible] Williams, USGS, and September 7 and 27, from Messrs. John E. Crawford and James Paone, USBM, respectively, relating to the subject project.

If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Diamond Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

FLNelson
MMcing/gla
9-28-56

Sincerely yours,

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3643
THWillingham, Rm. 5228
JORosted, Rm. 3210, GSA
Code 700
Mr. Kawano

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

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

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

Re: Docket No. DMEA-4426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Traver:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on information available to your office.

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If the Field Team recommends an exploration program, we will require, in addition to the usual information, the following:

1. Drilling bids from three contractors for the drilling recommended; and

2. Consent to Lien and Subordination Agreement executed by Glenwood Mining and Uranium Corporation covering the claims listed in the application.

Any work recommended by the Field Team should not be closer than 100 feet to the outside boundary of the property.

MEkiong/gla
9-28-56

Sincerely yours,

cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Enclosures: Code 700
Mr. Knouse

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

Mr. L. T. [illegible]
Executive [illegible]
AEC Plu[illegible]
22[illegible] Ave
Denver 2, [illegible]

[illegible] (m)
[illegible] ing Company
[illegible]

Dear Mr. [illegible]

[illegible] ties for either a field [illegible] the Field Team's recommend[illegible] ice.

[illegible] r 5 and 21. From Mr. [illegible] Manager. John L. [illegible] ating to the subject [illegible]

[illegible] gram, we will require, [illegible] that

1. [illegible]

2. [illegible]

[illegible] not be closer than 100 feet to the outside boundary of the property.

Sincerely yours,

PIKnox
WHoag/jla
9-28-56

cc to: Admr.'s Reading File
Operating Committee
Docket
Members. J.Crawford, Rm. 3643
H.Willingham, Rm. 5228
J.Wanted, Rm. 3210,GTA
Chairman, Operating Committee
Enclosures: Code 700
Mr. Knox

Author, Branch of Area

Author, Technical Library

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 9-28-56

REFERRED TO:

DMEA-4426

1. ~~Mr. Johnson, Rm. 4460~~
2. ~~Mr. Wittendorf, Rm. 4459~~
3. ~~Mails & Files, Rm. 4450~~
4. ~~Return docket to Code 700~~

FOR:

---------- Action	---------- Recommendation
---------- Approval	---------- Record of ----------
---------- Comment	---------- Referring to ----------
---------- Conference	---------- Reply for signature of ----------
---------- Consideration	---------- Rewriting
---------- Filing	X Signature
---------- Instructions	---------- Suggestions
---------- Investigation	---------- Your information
X Initials	
X Mailing	
---------- Previous correspondence	

REMARKS: ----------

Check (X) before the items needing attention.

Ernest Wm. Ellis
Initials of sender.

gla

GPO 16—63815-1

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

Mr. T. R. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-4426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Gillenwaters:

The application for assistance in exploring your claims, 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 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Administrator

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

Mr. T. R. Gillemsters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

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Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Administrator

FIKnouse/gla
9-28-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Knouse
DMEA Field Team, Region III (2)

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

Mr. T. R. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

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Ball Point Claims, et al.
Montrose County, Colorado

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

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

Sincerely yours,

Administrator

FIKnouse/gla
9-28-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Knouse
DMEA Field Team, Region III (2)

Surname copy

700

F L Knouse
Lamb

Noted: Kilogaard

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

Mr. T. R. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-4426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

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

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

Sincerely yours,

Administrator

FLKnouse/gla
9-28-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr.Knouse
DMEA Field Team, Region III (2)

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

Mr. T. R. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Gillenwaters:

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Mr. W. H. Traver
Executive Officer
DMEA Field Team, Region III
22h New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Administrator

FIKnouse/gla
9-28-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Knouse
DMEA Field Team, Region III (2)

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

Mr. T. N. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Gillenwaters:

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Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
22d New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Administrator

FIKnowse/gla
9-28-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Knowse
DMEA Field Team, Region III (2)

Mr. T. R. Gillespieters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Bell Point Claims, et al.
Montrose County, Colorado

Dear Mr. Gillespieters:

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Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
7th New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

Administrator

FIKnowes/gla
9-28-56
cc to: Admr.'s Reading File
Docket
Code 700
Mr. Knowes
DMEA Field Team, Region III (2)

Surname copy

700

FLKnouse
Ellis
Bishop
Kilgaard
Selfridge

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

OCT - 5 1956

Mr. T. R. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-1426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Gillenwaters:

Your application for aid in an exploration project and other information available to us in Washington concerning your 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 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.

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

Sincerely yours,

G. O. Mittendorf
Administrator

FLKnouse/gla
10-5-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, 3613
THKillsgaard, 5224
JOHosted, 3210, GSA
Code 700
Mr. Knouse

DMEA Field Team, Region III (2)

R.C.S.

700

F. L. Brown
Ellis
Bishop

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

October 5, 1956

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-426

Commodity: Uranium

Applicant: Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Property: Consists of 13 unpatented lode mining claims, as follows: Ball Point Nos. 1 through 9, Reginald Ward, Esther Maud, William Newton, and Donna Anna claims, in secs. 2, 11, and 12, N.M.P.M., Montrose County, Colorado.
T. 26 N., R. 18 W.
Property rights of Applicant are covered by a Mining Deed from the Glenwood Mining & Uranium Company, dated March 26, 1956, for a stock interest.

Date of application: August 2, 1956

Work proposed: Consists of 10 days of tractor operation to prepare drill sites and access roads thereto, and 111 rotary drill holes at random location from the surface to an average depth of 150 feet, aggregating 16,650 feet, at a total estimated cost of $24,462.50. All holes are to be collared in the overlying Salt Wash sandstone and bottomed in the shale underlying the lower-most Salt Wash sandstone ledge.

On the Ball Point claim group 8.8 tons of plus-0.30% U_3O_8 carnotite ore was mined from an outcrop in the second rim. After mining the ore, the body thinned and mining was discontinued. Later, attempts by close-spaced exploration wagondrilling were made to extend the limits of ore body, but only one hole penetrated about one foot of .25% U_3O_8, shown by gamma-ray log, and two holes showed some mineralization. The one hole is about 200 feet away from the mineralized ore body; consequently, the indications were too weak and small to justify mining.

Cost of proposed work:	16,650 feet dry rotary drilling @ $1.25/ft.	$20,812.50
	10 days tractor operating time @ $100/day	1,000.00
	Engineering and geology fees $2\frac{1}{2}$ mos. @ $600/mo.	1,500.00
	Deep hole probing	675.00
	Transportation and expenses for supervisors @ $150/mo., $2\frac{1}{2}$ mos.	375.00
	Assaying and blueprinting	100.00
	Total estimated cost of project	$24,462.50
	Government participation @ 75%	$18,346.87

Comments: Grand Junction review memorandum:
E. P. Elston, USGS, August 28, 1956.

The subject claims are located about 2 miles west of the Monogram Mines and a little less than one mile northwest of the Wild Steer mines. The Monogram Mines are the westernmost mines of the Jo Dandy area. The ore in this area is in the uppermost sandstone layer ("ore-bearing sandstone") of the Salt Wash member of the Morrison formation of Jurassic age. The ore horizon in the Wild Steer mines is the basal sandstone layer of the Salt Wash member. The area west of the Monogram Mines is classed as semi-favorable and unfavorable for ore on the basis of outcrop and drill hole data. There are several very small deposits of uranium-vanadium ore in the ground west of the Monogram Mine, but the deposits are spotty and potential is nil. The western north-south trending margin of the "Uravan mineral belt" passes through, or very near, the subject claim, but shifts eastward to exclude the Wild Steer mines (in the basal sandstone layer of the Salt Wash). Production from the Wild Steer mines has been about 20,000 tons.

The upper sandstone layer of the Salt Wash member is eroded on much of the subject claims and normal thickness of the member is about 330 feet. The thickness reported by Applicant (275 feet) and the description of the mineralized outcrops indicate that the uranium minerals are in two different sandstonelenses in the middle parts of the Salt Wash member. These intermediate lenses contain no known reserves in the area and potential from these horizons are considered nil. Drilling by the Vanadium Corporation of America about 1/2 mile east of

the property was unsuccessful in finding ore in any part of the Salt Wash member.

The potential ore horizon in the general area is the lowermost sandstone layer of the Salt Wash member. This basal sandstone is exposed continuously for several miles in Wild Steer Canyon. The canyon extends from the Wild Steer Mines northwestward to the Dolores River and bounds the southern part of the claims. The outcrops have been extensively prospected, but there are no known mineralized outcrops in the lower Salt Wash northwest of the Wild Steer Mines.

The Applicant's drilling has shown there is little chance of finding minable ore deposits in the sandstone lenses which overlie the basal sandstone layer of the Salt Wash member.

In summary, the Applicant's claims are located at the very western fringe of the "Uravan mineral belt" where uranium-vanadium mineral deposits are very small, spotty, and except for surface outcrops, generally uneconomic. The chances for finding sizeable economic ore deposits on the subject property are poor.

The Applicant should be requested to furnish more complete information on previous drilling, including hole bottoming depths. Unless definite evidence of mineralization on the lower sandstone layerof the Salt Wash member is supplied, it is recommended that no field examination be made.

(Applicant submitted drill logs of holes drilled on the property and the Field Team wasrequested to review the logs and advise if they would recommend a field examination or denial of the application without a field examination.)

Field Team's teletype, dated Octoberl, 1956, from W. M. Traver:

Geologist considers lithologic logs with bottoming depths submitted by Applicant have added nothing significant and reiterates recommendation of denial without field examination.

Comments of Commodity Specialists:

U. S. Geological Survey, W. P. Williams:

September 5, 1956:

In view of the large amount of information already

already available about the property, it seems that a field examination would be superfluous. I recommend denial of the application.

September 21, 1956:

The supplemental logs and maps do not cause me to alter in any manner my recommendations of September 5, 1956. Opinion of field should be requested.

U. S. Bureau of Mines, John E. Crawford

September 7, 1956:

Concur with the recommendations of the Field Team.

September 27, 1956:

Recommends denial of application.

Rare and Miscellaneous Metals Division, F. L. Knouse, October 2, 1956:

The information submitted by the Applicant and the Field Team indicates rather conclusively that only extremely small, irradically-spaced uranium-vanadium ore bodies are likely to be found on the subject claims. Also, that such ore bodies, except for surface outcrops, generally would be uneconomic. Therefore, the application should be denied.

Conclusions:

A review of all our information relating to the proposed project indicates that the probability of making a significant discovery on the subject property is not sufficiently promising to justify Government participation. Therefore, the application should be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis

700

Mr. George Selfridge

RECEIVED
OCT - 2 1956

DN 235 BUR MINES 10-1-56 4 PM

CHAIRMAN, OPERATING COMMITTEE, DMEA
ATTENTION -- F L KNOUSE

REFERENCE YOUR TELEPHONE CALL 10-1-56 DOCKET DMEA 4426, MOUNTAIN TOP MINING AND MILLING COMPANY, GEOLOGIST CONSIDERS LITHOLOGIC LOGS WITH BOTTOMING DEPTHS SUBMITTED BY APPLICANT SEPT. 17 HAVE ADDED NOTHING SIGNIFICANT AND REITERATES RECOMMENDATION OF DENIAL WITHOUT FIELD EXAMINATION.

W M TRAVER

Denver, Colo.

ICT 2 8 40 AM '56

BUREAU OF AUDIT
MAIL ROOM
WASHINGTON 25 D.C.

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

October 1, 1956

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Telephone call to W. M. Traver, Denver, Colorado
Docket No. DMEA-4426 (Uranium)
Mountain Top Mining and Milling Company
Ball Point Claims, et al.
Montrose County, Colorado

Knouse: I'm calling about DMEA-4426, Mountain Top Mining and Milling Company. Did you receive a copy of the Applicant's letter, dated September 17, 1956, with attached lithologic logs of the holes they have drilled on the property? We requested the logs in our letter of September 12, at the request in your memorandum of August 31, 1956.

Traver: Yes, we received the letter and the logs.

Knouse: The project looks weak and we would appreciate learning your views as to whether the proposed project should have a field examination or, if you know enough about the property, to recommend that it should be denied.

Traver: I will get in touch with Nelson (Harshman) right away and we will get a teletype off to you, advising you of our opinion, this afternoon.

F. L. Knouse

F. L. Knouse

10/1/56 gla

MOUNTAIN TOP MINING AND MILLING COMPANY

C. A. JOHNSON BUILDING
SUITE 404
DENVER, COLORADO

OPERATIONS OFFICE
P. O. BOX 1451
GRAND JUNCTION, COLORADO

27 September 1956

RECEIVED
OCT - 1 1956

United States Dept. of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: DMEA-4426

Attn: Mr. Allen S. Dakan

Gentlemen:

To keep the records straight on our DMEA application dated August 2, 1956, I wish to state that in item 3 (e) covering liens and encumbrances against our property, I overlooked advising you that the property has been contracted for a fifty percent (50%) working interest by the U-Kan Minerals Corporation of Kansas.

This contract will make no difference in the financing or royalty repayment of the loan, but I believe you will want their signature on any loan which is awarded the property.

I am enclosing three copies for forwarding to their present appropriate location.

Very truly yours,

MOUNTAIN TOP MINING & MILLING CO.

T. R. Gillenwaters

T. R. Gillenwaters
President

RLR/G/dj

Not received.
Crosy.

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

RECEIVED
SEP 27 1956

Date 9-27-56

DMEA Docket No. 4426
DMEA Contract No.
Commodity Uranium
Name of applicant Mountain Top Mining & Milling Co.
Name of property Ball Point Claims
Location of property Montrose, County, Colorado
Estimated cost of project $24,462.50

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 9/17/56. 2. Date received by reviewer: 9/19/56.

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 [X]
   d. Agree with Field Team ☐
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)
Reviewed application 9/7/56. Supplemental information essentially negative. Mr. J. O. Hosted, Washington Representative of the Atomic Energy Commission, assisted in the review.

9/24/56 gla

IN REPLY REFER TO:

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

RECEIVED
SEP 24 1956

September 21, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of supplemental information, DMEA 4426, Mountain Top Mining and Milling Company, Ball Point Mine, Montrose County, Colorado (uranium).

As information supplemental to the subject application the applicant submits partial gamma ray logs for 29 previously completed drill holes, lithologic logs for 24 of the holes, and a small scale claim map showing the locations of the holes.

The lithologic logs are so brief and so lacking in detail that they are of little real use. Furthermore, the "lithology" of the holes is designated symbolically on the logs, but no legend is presented as a key to the symbols. The gamma ray logs are noteworthy in the fact that only one hole, No. 27, showed any appreciable radioactivity -- and the value of that was only 0.10 percent eU_3O_8 through a thickness of only 0.5 feet.

The supplemental drill hole logs demonstrate one fact rather clearly -- the unsuccessfulness of the past drilling. Although the completed drilling covers only a minor part of the property the drilling very likely indicates the results that might be expected from further exploration work. This conclusion is based on the geologic information already known about the area (see D. P. Elston's memorandum Aug. 28, 1956).

The supplemental logs and map do not cause me to alter in any manner my recommendations of September 5, 1956. It would be advisable to ask the Field Team for their opinion concerning denial of the application without formal field examination.

W. P. Williams

W. P. Williams

IN REPLY REFER TO:

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

RECEIVED
SEP 24 1956

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WPWilliams:iml
G-9/21/56

W. P. Williams

cc: Director's reading, 4212
Branch reading, 4212
DMEA(3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

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

224 Customhouse
Denver 2, Colorado

September 19, 1956

Memorandum

To: J. W. Hasler

From: DMEA Field Team, Region III

Subject: Docket DMEA 4426 (Uranium) Mountain Top Mining and Milling Company (Ball Point claims, et.al.) Montrose County, Colorado

Enclosed are the lithologic logs and bottoming depths of all holes drilled by the Mountain Top Mining and Milling Company, and one copy of claim map showing the location of holes drilled. Will you please place these data with your copy of the brochure.

This information has been submitted by the Applicant at the request of the Washington Office, DMEA and it is presumed the Applicant complied with their request to also forward copies to the Washington Office.

W. M. TRAVER

W. M. Traver
Executive Officer

HMC:ytl

cc: Sec. of Op. Comm. (2)
Harshman
Shaw (2)
Docket
Chron.

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

224 Customhouse
Denver 2, Colorado

September 19, 1956

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W. M. TRAVER

W. M. Traver
Executive Officer

HMC:ytl

cc: Sec. of Op. Comm. (2)
Harshman
Shaw (2)
Docket
Chron.

9/18/56 gla

MOUNTAIN TOP MINING AND MILLING COMPANY

Reply to:

C. A. JOHNSON BUILDING
SUITE 404
DENVER, COLORADO

OPERATIONS OFFICE
P. O. BOX 1451
GRAND JUNCTION, COLORADO

17 September 1956

United States Dept. of The Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket No. DMEA-4426 (Uranium)
Ball Point Claims, etal.
Montrose, County, Colorado

Attn: Mr. Ernest Wm. Ellis,
Chief Rare and Miscellaneous Metals
Division

Dear Sir:

Enclosed you will find the lithologic logs and bottoming depths of all holes drilled by the Mountain Top Mining and Milling Company.

All the holes were gamma-logged and anomalous radioactivity is shown on the logs as equivalent percent U_3O_8.

A few holes have been drilled by persons unknown to our company and, of course, we have no record of these other than gamma logs from those holes which we were able to probe. The ore hole shown on the map is in this category and its gamma log reveals about one foot of .25 percent U_3O_8 at a depth of 65 feet.

Very truly yours,

MOUNTAIN TOP MINING AND MILLING CO.

T. R. Gillenwaters

T. R. Gillenwaters
President

TRG:dj

See Map of proposed Drilling in packet.

LITHOLOGIC LOGS

Hole No. B.P. 27 Depth 75' Bottomed 6-15-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
	5	L. Red			
	10				
	15				

------	20				

------	25	Red			

------	30				

------	35				

	40				
	45				
	50	L. Gray			
	55		C. Sp		
-.-.-.-	60		(60.0-60.5'	.10% Min)	.10 Radiometric Sample
	65	L. Green	L, S		No chemical because of low grade
------	70				
------		Red			
------	75				

LITHOLOGIC LOGS

Hole No. B.P. 24 Depth 110' Bottomed 6-16-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		L			
		Red			
	10				

-----		Red			
-----	20				
	30	Red	L, S		

	35				
		Red			
	40				
-.-.-.		Gn-Gy			
.-.-.-	45				
	50	Yw.	L, A		
	55		C, S		

-------	60	Red			
	65	L			
		Red			

-------	70				
-------		Red			

-------	75				
-.-.-.-					
.-.-.-.	80	Yw.	L, S		
-.-.-.-					
.-.-.-.		Gn			
	85	Gy.			
-.-.-.-	90				
.-.-.-.					
-.-.-.-	95	Yw.			
.-.-.-.					
-.-.-.-	100	Gn.			
	110			98' - 110' No Cuttings	

LITHOLOGIC LOGS

Hole No. B.P. 25 Depth 73' Bottomed 6-13-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
	5	L. Gray			
	10				

--------	15				

--------	20	L. Red			

--------	25				

--------	30				

	35	Gray			
	40				
--------	40				

--------		Red			
	45				
	50				
	55	Gray	Limonite Some		
	60				
	65				

-------	70				

	75				

LITHOLOGIC LOGS

Hole No. B.P. 29 Depth 74' Bottomed 6-15-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		L.			
	10	Gray			

--------	15				

--------	20				

	25	L. Red			

--------	30	Red			
	35				
	40				
	45	L. Red			
	50				
	55				
	60		C. Sp.		
--------	65				

--------	70				

	75				

LITHOLOGIC LOGS

Hole No. B.P. 28 Depth 75' Bottomed 6-15-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		L. Red			
	5				
		L. Gray			
			L, S		
------	10				

------	15				

------	20	Red			

------	25				

------	30				

	35				
	40				
	45				
	50	Red			
	55		L, S		
				62.5 - 66'	
	60			.06% Min	no sample taken
-.-.-.	65	L. Grn.	C., Sp.		

------	70	Red			Because of too weak

-------	75				Gamma - Deflection

LITHOLOGIC LOGS

Hole No. B.P. 22 Depth 125' Bottomed 6-14-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	Gray			
	5			

------	10			

------	15 Light			
------	Red			
------	20			

	25			
	30 Light	L. S.		
	35 Gray			
------	40			
------	L. Red			
------	45			

'''''''''				
'''''''''	50 Gray			
'''''''''				
	55			
	Gray			
------	60			

------	65 Red			

	70			
	75 Gray	L, S		
	80			

------	85			

	90			
	95 L.	L, A		
	Yw.			
	100			

Continued Page 2

Hole No. B.P. 22 Depth 125' Bottomed 6-14-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	105			
	110			104 - 121' No cuttings
	115			
	120			

------	125			

LITHOLOGIC LOGS

Hole No. B.P. 9 Depth 75' Bottomed 6-12-56

Lithology	Depth	Color	Limonite Carbon	Mineralization	Remarks
	0				
		Gray			
	5				

-------	10				

-------	15	Red			

-------	20				

-------	25				

-------		L			
-------	30				
-------		Red			

-------	35				

	40				
	45		L, S		
		Gray			
	50				
-------	55				

-------	60				
		Gray	L, S		
	65				

-------	70				

-------	75				

LITHOLOGIC LOGS

Hole No. B.P. 10 Depth 79' Bottomed 6-12-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0	Gray			
------	5				

------	10				

------	15	Light Red			

------	20				

------	25				

------	30				
	35	Gray			
-.-.-.					
.-.-.-					
-.-.-.	40	Red			
.-.-.-					
-.-.-.					
	45				
	50				
	55	Gray	L. Some		
	60				
	65		C, Sp		
	70				

------	75				

	80				

LITHOLOGIC LOGS

Hole No. B.P. 21 Depth 68' Bottomed 6-16-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
!!!!!!!!!	0				
!!!!!!!!!					
!!!!!!!!!	5				
!!!!!!!!!		Gray			
!!!!!!!!!	10				
!!!!!!!!!					
!!!!!!!!!					
-.-.-.-	15				
.-.-.-.		L.			
-.-.-.-	20	Red			
.-.-.-.					
-.-.-.-					
	25				
	30	L.	L , A		
		Gray			
	35				
-------	40				

-------	45	L.			
-------		Red			

-------	50				

	55		L, S		
!!!!!!!!!	60				
!!!!!!!!!		Gn.			Drilled to 96' w/o cuttings then caved Gammas Logged to 68'
!!!!!!!!!	65	Yw.	L, A		
!!!!!!!!!					
!!!!!!!!!					
	70				

LITHOLOGIC LOGS

Hole No. B.P. 15 Depth 136' Bottomed 6-22-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		Gray			
	5				
-------	10				

-------		Red			
-------	15				

	20	L. Gray			
------	25				

------		Red			
------	30				
	35	Gray			
	40				
------	45				

------	50				

------	55				Hole caved behind steel prohibitting Gamma-Logging
------					
------	60				

------	65				

------	70				

------	75				

------	80				

------	85				

	90				
	95	Gray	L, S		
	100				
!!!!!!!!					
!!!!!!!!!	105				
!!!!!!!!!		Gn	L, Sp		
!!!!!!!!!	110				
!!!!!!!!!					
!!!!!!!!!	115				

------	120				

	125	Gray	L, S		
------	130				

-------	135	Red			

LITHOLOGIC LOGS

Hole No. B.P. 14 Depth 137' Bottomed 6-11-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	Light			
	5 Gray			

--------	10			

--------	15			
--------	Light			
--------	20 Red			

--------	25			

--------	30			

	35			
	Gray			
--------	40			

--------	45			

---------	50			

---------	55			

---------				
	60 L.			
	Gray			
	65			
'''''''''				
'''''''''				
'''''''''	70			
'''''''''				
'''''''''				
'''''''''	75			
'''''''''				
'''''''''				
'''''''''	80			
'''''''''				
'''''''''				
	85			
	L.			
	90 Gray			
	95			
	L.			
	100 Red			
	105			

Continued next page

Hole No. B.P. 14 Depth 137' Bottomed 6-11-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks

-------- 110				
--------	L.Red			
115				
	Gray			
120				
125				No cuttings
130				120' - 136'
135				
140				

BALL POINT CLAIM GROUP

Hole No.	Depth	Probe Depth	Remarks
1		--	Lost Hole
2		48	None
3		118	None
4		63	None
5		63	None
6		64	None
7		60	None
8		93	None
9		75	None
10		79	None
11		91	None
12		96	None
13		85	None
14		137	None
15			Lost Hole
16	150		Not Attempted
17	150		
18	150		
19	110		
21	110	60	36' caved
22		125	None
23	110	76	Stuck Steel
24		110	None
25		73	
26		74	
27		75	.10 Min 60-60.5'
28		75	.06 Min 62.5-66'
29		74	None

FAMILY CLAIM GROUP

Hole No.	Depth	Probe Depth	Remarks
1		44	None
2		43	None
3		43	None
4		43	None
5	180		Not attempted
6	180		
7	180		
8	180		
9	180		
10	180		
11	180		
12	180		
13	180		
14	180		

LITHOLOGIC LOGS

Hole No. B. P. 3 Depth 118' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	5			
	L Red			
	10			
	15			
	Gray			
	20			
	25			
	30 Gray			
	35			
	40			
	45			
	50			
	Red			
	55			
	60			
	65	L. C.		
	Yellow	Some		
	70			
	75			
	Gray			
	80			
	85			
	90			83 - 118' No Cuttings
	95			
	100			
	105			
	110		Hole Bottomed 118'	

LITHOLOGIC LOGS

Hole No. B. P. 2 Depth 48' Bottomed 6-7-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
-.-.-	0				
-.-.-		L			
.-.-		Red			
-----	5				

----	10				

----	15				
----		Gray			

----	20				

	25				
		Gray	L, Some		
	30				
		L			
	35				
		Red			
----	40				

----	45				

	50			Hole Bottomed 48'	

LITHOLOGIC LOGS

Hole No. B.P. 4 Depth 63' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralizations	Remarks
-.-.-.	0			
.-.-.-				
-.-.-.	5 Red			
.-.-.-				
-.-.-.				
.-.-.-				
-.-.-.	10			
	Gray	L,		
	15	Some		
-.-.-.-				
-.-.-.				
.-.-.-.-	L.			
-.-.-.-.	20 Red			
!!!!!!!!!				
!!!!!!!!!				
!!!!!!!!!	25 Gray	C,		
!!!!!!!!!		some		
!!!!!!!!!				
	30			
		L,		
	35 Gray	Some		
==========	40			
----------	Red			
----------	45			
	50	C, Some		
	55 Gray	L, Some		
--------	60			

	65			

LITHOLOGIC LOGS

Hole No. B.P. 5 Depth 63' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	5			
	10			
	Red			
	15			
	20			
	25 L			
	Red			
	30			
	L.			
	35 Gray			
	40 L.			
	Red			
	45			
	50			
	55 Gray	L, Some		
		C, Some		
	60			
	65			

LITHOLOGIC LOGS

Hole No. F.G. 4 Depth 43' Bottomed 6-23-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
------	0				

------	5				
------		L.			
------		Red			
------	10				

------	15				

	20				
	25	L. Gray			
	30		L, S		
------	35				
------		Red			

------	40				

	45				

LITHOLOGIC LOGS

Hole No. B. P. 12 Depth 87' Bottomed 6-9-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		Light	L, S		
	5	Gray	C, Sp		
	10				
-.-.-.-	15				
-.-.-.-					
-.-.-.-		Red			
-.-.-.-	20				
-.-.-.-					
-.-.-.-					
-------	25				

-------	30				
-------		Light	L, S		
-------	35				
-------		Red			
-------	40				

	45				
		Light			
		Red	L, S		
-------	59				

-------	60	L			
-------		Red			

-------	65				

-------	70				
	75				
		L Gray	L, S		
	80		C, Sp		
'''''''''	85				

LITHOLOGIC LOGS

Hole No. B.P. 13 Depth 85' Bottomed 6-10-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
		L.	Limonite		
	5	Gray	Some		
-.-.-					
.-.-.					
-.-.-	10				
.-.-.		Red			
-.-.-					
.-.-.	15				

------	20				
------		Light			
------		Red			
------	25				

------	30				

------	35				
		L	L, s		
	40	Gray	C, Sp		

-------	45	L			
-------		Red			

-------	50				
	55	L.			
		Gray			
--------	60				

--------	65				
--------		L			
--------		Red			
--------	70				

--------	75				
		L.			
		Gray			
	80				

Hole Bottomed Shale 85'

LITHOLOGIC LOGS

Hole No. B.P. 8 Depth 93' Bottomed 6-8-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
'''''''''	0				
'''''''''					
'''''''''	5	L.	L,		
'''''''''		Gray	Some		
'''''''''	10				
-.-.-.-					
.-.-.-.					
-.-.-.-	15	Red			
.-.-.-.					
-.-.-.-					
--------	20				

--------	25	L.			
--------		Red			
--------	30				

	35				
	40				
		Gray	L, Some		
	45				
			C, Sp.		
	50				
	55				
	60				
	65				
	70				
	75				
	80				
	85				
	90				
	95				

LITHOLOGIC LOGS

Hole No. B.P. 6 Depth 64' Bottomed 6-8-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
	0			
	5 Gray			
	10			
	Red			
	15			
	20 L. Red			
	25			
	30 Red			
	35			
	40			
	45 L. Gray	L, Some C, Some		
	50			
	55			
	60 Red			
	65			

LITHOLOGIC LOGS

Hole No. F.G. 1 Depth 44' Bottomed 6-22-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
	0				
	5				
	10	Light	L, S		
	15	Red			
	20				
	25				
	30	L. Gray	L, S		
	35				
	40	L. Red			
	45				

LITHOLOGIC LOGS

Hole No. F.G. 2 Depth 43' Bottomed 6-23-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
------	0				

------	5				
------		Light			
------	10				
------		Red			

------	15				
	20	Gy	L, S		
------	25	Light			

------		Red			
------	30				
	35				
	40				No cuttings
	45				

Hole No. F.G. 3 Depth 43' Bottomed 6-22-56

------	0				

------	5				

------	10	Light			

------	15	Red			

------	20				

	25				
	30	Gray			
------	35				
------		L.			
------	40	Red			

	43				

LITHOLOGIC LOGS

Hole No. B. P. 7 Depth 60' Bottomed 6-9-56

Lithology		Color	Limonite Carbon	Mineralization	Remarks
-------	0				

-------	5				
-------		Light			
-------	10	Red			

-.-.-.-	15				
.-.-.-		Gray &			
-.-.-.-					
.-.-.-.	20	Red Mot.			

------	25				
------		Red			

------	30				
	35				
		L.			
	40	Gray	Limonite Some		
	45				
	50				47-60' No cuttings
	55				couldn't get through second sand because of caving ground
	60				

LITHOLOGIC LOGS

Hole No. B.P. 11 Depth 91' Bottomed 6-9-56

Lithology	Color	Limonite Carbon	Mineralization	Remarks
0				
5	Gray	C - S L - S		
10				
	Red			
15				
20	Light Red			
25				
30	Red			
35				
40	Red			
45				
50	YW	Limonite Abundant		
55	Gray	Carbon Sp.		
60				
65				
	Light	L, Sp.		
70	Red			
75				
80	L Gray	L, A.		
85		C, Sp.		
90	Red			
95				

Surname copy

F L Knouse 700
Ellis
GEJohnson

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

SEP 12 1956

Mr. T. R. Gillenwaters, President
Mountain Top Mining and Milling Company
P. O. Box 1451
Grand Junction, Colorado

Re: Docket No. DMEA-4426 (Uranium)
Ball Point Claims, et al.
Montrose County, Colorado

Dear Mr. Gillenwaters:

This is with reference to your application for Government aid to explore the subject property.

In order that we may continue to process your application, please furnish the following:

1. We note in your application that some drilling has been done on your property, and your map shows the locations of 22 completed holes. In the event that detailed lithologic logs, as well as any chemical assays or gamma-ray determinations were obtained from these holes, the results would be helpful in evaluating your proposed program and the information should be submitted. Such logs should show the bottoming depth of each hole.

2. The map you submitted does not show the hole numbers. Therefore, you should submit a sketch which shows the hole location and corresponding hole number on each log, all in relation to the claim boundaries.

Four copies of this information should be forwarded in order to process your application with a minimum of delay. Two copies should be sent to Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado, and the remaining two copies to this office.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FLKnouse/gla
9-11-56
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700, Mr. Knouse
DMEA Field Team, Region III (2)

9/7/56 gla

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

RECEIVED
SEP - 7 1956

Date 9/7/56

DMEA Docket No. 4426
DMEA Contract No.
Commodity Uranium
Name of applicant Mountain Top Mining & Milling Co.
Name of property Ball Point Mine
Location of property Montrose County, Colorado
Estimated cost of project $24,462.50

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

JEC

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

1. Date of subject document: 8/2. 2. Date received by reviewer: 9/5.

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: drilling
- 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. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)
The application has been reviewed with J. O. Hosted, Washington representative of the Atomic Energy Commission. We concur with the recommendations of the Field Team in their attached memorandum of August 31.

9/7/56 gla

IN REPLY REFER TO:

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

RECEIVED
SEP - 7 1956

September 5, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4426 (uranium), Mountain Top Mining and Milling Company, Ball Point Mine, Montrose County, Colorado.

The applicant proposes to explore for uranium ore deposits on 14 mining claims located in the Bull Canyon district. The proposed project would consist of a total of 16,650 feet of rotary drilling at an estimated total cost of $24,462.00.

Some 26 holes, drilled by the applicant, failed to extend small ore outcrops. About 9 tons of ore have been mined from the property.

After study of the application, Mr. D. P. Elston, USGS, Grand Junction, points out in a memorandum dated July 16, 1956, that the property is located poorly with regard to major trends of mineralization, that previous examination of the Salt Wash sands on the property shows them to be unfavorable for large ore deposits, and that the known mineralization on the property is found in a zone other than the principal ore zone of the vicinity. Mr. Elston is thoroughly familiar with the general area and has presented in his memo a convincing description of the unfavorable features of the property.

In view of the large amount of information already available about the property it seems that a field examination, in the strict sense of the word, would be superfluous. I recommend that the application be denied, on the basis of information presently available to the Government.

W. P. Williams

W. P. Williams

IN REPLY REFER TO:

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

RECEIVED
SEP 7 1956

September 5, 1956

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of application, DMEA 4486 (uranium), Mountain Top Mining and Milling Company, Bull Point Mine, Montrose County, Colorado.

The applicant proposes to explore for uranium ore deposits on 14 mining claims located in the Bull Canyon district. The proposed project would consist of a total of 10,650 feet of rotary drilling at an estimated total cost of $24,462.00.

Some 26 holes, drilled by the applicant, failed to extend small ore outcrops. About 9 tons of ore have been mined from the property.

After study of the application, Mr. D. P. Elston, USGS, Grand Junction, points out in a memorandum dated July 10, 1956, that the property is located poorly with regard to major trends of mineralization, that previous examination of the Salt Wash sands on the property shows them to be unfavorable for large ore deposits, and that the known mineralization on the property is found in a zone other than the principal ore zone of the vicinity. Mr. Elston is thoroughly familiar with the general area and has presented in his memo a convincing description of the unfavorable features of the property.

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WPWilliams:iml
G-9/6/56
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

W. P. Williams

9-5-56

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

RECEIVED
SEP - 4 1956

August 31, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 4426 (Uranium) Mountain Top Mining and Milling Company (Ball Point Mine) Montrose County, Colorado

Enclosed are the original and three copies of a review of the subject application by D. P. Elston of the Grand Junction Office, DMEA.

He notes that the Applicant's claims are located at the very western fringe of the "Uravan Mineral Belt" where uranium-vanadium deposits are extremely small, spotty and, except for surface outcrops, generally uneconomical. He recommends that the Applicant be requested to furnish more complete information on previous drilling, including hole bottoming depth. Unless definite evidence of mineralization in the lower sandstone layer of the Salt Wash member is submitted by the Applicant, he recommends that no field examination be made. We concur in this recommendation.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

MINERAL DEPOSITS
DMEA
RECEIVED
AUG 29 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

RECEIVED
SEP - 4 1956

August 28, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: J. William Hasler

From: D. P. Elston

DMEA
DEPARTMENT OF THE INTERIOR
AUG 30 1956
REGION III
DENVER, COLORADO

Subject: DMEA docket 4426 (Uranium), Mountain Top Mining and Milling Company (Ball Point Mine), Montrose County, Colorado. Advisability of making a field examination relative to DMEA assistance.

The subject claims are located about 2 miles west of the Monogram mines and a little less than one mile northwest of the Wild Steer mines. The Monogram mines are the westernmost mines of the Jo Dandy area. The ore in the Jo Dandy area is in the uppermost sandstone layer ("ore-bearing sandstone") of the Salt Wash member of the Morrison formation of Jurassic age. About 300 to 500 feet west of the Monogram mine the ore-bearing sandstone becomes thinner, green mudstone associated with sandstone is much less well developed and the sandstone locally is colored light red instead of light brown. The area west of the Monogram mine is classed as semi-favorable and unfavorable for ore on the basis of outcrop and drill hole data. There are several very small deposits of uranium-vanadium ore in the ground west of the Monogram mine but the deposits are spotty and potential is nil. The western north-south trending margin of the "Uravan mineral belt" as drawn by Fischer and Hilpert (U. S. Geol. Sur. Bull. 988-A, 1952) passes through, or very near, the subject claims but shifts eastward to exclude the Wild Steer mines which are in the basal sandstone layer of the Salt Wash member, a few feet above mudstone and siltstone of the Summerville formation of Jurassic age. The Salt Wash member is composed largely of sandstone near the Wild Steer mines and the main mineralized trend appears to be in a north-south direction coincident with a channel-like trend at the base of the lower sandstone layer. This has been substantiated by private drill holes. Production from the Wild Steer mines has been about 20,000 short tons, and as such is anomalously large for a lower Salt Wash deposit, much larger than the size of geologically similar deposits in Bull Canyon to the south.

The upper sandstone layer of the Salt Wash member is eroded on much of the subject claims. Normal thickness of the Salt Wash member is about 330 feet. The thickness reported by the applicant (275 feet)

and the description of mineralized outcrops indicate that the uranium-vanadium minerals are in two different sandstone lenses in the middle parts of the Salt Wash member. To the east, where a complete section of the member is present, there are, in a few places, three lenses, but usually there are four or five sandstone lenses or "rims". The applicant's map indicates that he has numbered the three "rims" on his property from the base to the top of the section preserved on his claims. The mineralized outcrops are located in sandstone lenses above the basal sandstone layer. These intermediate lenses contain no known reserves in the area and potential from these horizons are considered nil. Drilling by the Vanadium Corporation of America about one-half mile east of the subject claims was unsuccessful in finding uranium-vanadium ore in any part of the Salt Wash member.

The potential ore horizon in the general area is the lower part of the lowermost sandstone layer of the Salt Wash member. The applicant's map shows that a favorable sandstone is exposed at the base of the Salt Wash member on part of the subject claims. The applicant proposes to drill 111 holes on the claims which will average 150 feet in depth. The holes are to be bottomed in the mudstones below the lowermost sandstone layer of the Salt Wash member. By inference, these holes are to test both the sandstone lenses which contain the ore minerals on outcrop and the underlying basal sandstone. The basal sandstone is exposed continuously for several miles in Wild Steer Canyon. The canyon extends from the Wild Steer mines, northwestward to the Dolores River, and bounds the southern part of the claims. Production from the Wild Steer mines date at least from the Vanadium mining period prior to and during World War II. The outcrops have been prospected intensively but the writer knows of no mineralized outcrop in the lower Salt Wash northwest of the Wild Steer mines although the sandstone may be classed as favorable for ore on the basis of color and lithology.

The applicant's own drilling has shown that there is little chance of finding minable ore deposits in the sandstone lenses which overlie the basal sandstone layer of the Salt Wash member. It is not known if the applicant's holes penetrated the basal sandstone layer. If he can show that there is mineralized rock in the lower sandstone layer, then there potentially can be economic deposits on the property. In view of the miles of barren outcrop of the lower sandstone layer near the property this is unlikely.

In summary, the applicant's claims are located at the very western fringe of the "Uravan mineral belt" where uranium-vanadium deposits are extremely small, spotty and, except for surface outcrops, generally uneconomic. This is borne out by the results of applicant's own drilling. In addition, the mineralized outcrops on the subject claims are in non-productive parts of the Salt Wash member in between the uppermost and lowermost sandstone layers. The chances of finding sizeable economic ore deposits on the subject claims are poor.

The applicant has not furnished any information on previous drilling except that no significant mineralization was found. It is recommended that the applicant be requested to furnish more complete information on previous drilling, including hole bottoming depths. Unless definite evidence of mineralization in the lower sandstone layer of the Salt Wash member is supplied, it is recommended that no field examination be made.

The above information and recommendations are based upon the writer's familiarity with the general area derived during 2-1/2 years field residence in the Jo Dandy and Monogram areas. Field work included outcrop and mine mapping and supervision of a Government drilling program in that area. During this period cores of private holes drilled to within about one-half mile east of the subject claims were logged and outcrops of the Salt Wash member in the general area were subjected to field reconnaissance for the evaluation of the ground as to favorableness for ore. However, neither the reported mineralized outcrops nor the basal sandstone layer of the Salt Wash member on the subject claims have been examined in detail by the writer.

D. P. Elston,
Geologist

DPE/mlr

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

August 31, 1956

224 New Customhouse
Denver 2, Colorado

RECEIVED
SEP - 4 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Docket DMEA 4426 (Uranium) Mountain Top Mining and Milling Company (Ball Point Mine) Montrose County, Colorado

Enclosed are the original and three copies of a review of the subject application by D. P. Elston of the Grand Junction Office, DMEA.

He notes that the Applicant's claims are located at the very western fringe of the "Uravan Mineral Belt" where uranium-vanadium deposits are extremely small, spotty and, except for surface outcrops, generally uneconomical. He recommends that the Applicant be requested to furnish more complete information on previous drilling, including hole bottoming depth. Unless definite evidence of mineralization in the lower sandstone layer of the Salt Wash member is submitted by the Applicant, he recommends that no field examination be made. We concur in this recommendation.

DMEA Field Team, Region III

W. M. TRAVER,

By W. M. Traver
Executive Officer

Enclosures

MINERALS DEPARTMENT REFER TO:
DMEA
RECEIVED
AUG 29 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

RECEIVED
SEP - 4 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
AUG 30 1956
REGION III
DENVER, COLORADO

August 28, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: J. William Hasler

From: D. P. Elston

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D. P. Elston,
Geologist

DPE/mlr

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 360
Grand Junction, Colorado

IN REPLY REFER TO:
MINERAL DEPOSITS
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RECEIVED
AUG 29 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
AUG 30 1956
REGION III
DENVER, COLORADO

August 28, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: J. William Hasler

RECEIVED
SEP - 4 1956

From: D. P. Elston

Subject: DMEA docket 4426 (Uranium), Mountain Top Mining and Milling Company (Ball Point Mine), Montrose County, Colorado. Advisability of making a field examination relative to DMEA assistance.

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D P Elston

D. P. Elston,
Geologist

DPE/mlr

August 17, 1956

Mountain Top Mining and
Milling Co.
P. O. Box 1451
Grand Junction, Colorado

Subject: DMEA-4426
Re: Exploration Assistance
Ball Point Mine

Gentlemen

The receipt of your application dated August 2, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4426 and referred to the Rare & Misc. Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Allen S. Dakan
~~XXXXXXXXXXXXXXXX~~, Chief
Operations Control and
Statistics Division

August 17, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA
-4426 Mountain Top Mining and Milling Co.
Ball Point Mine

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

August 14, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Mountain Top Mining and Milling Company (Ball Point Mine) Montrose County, Colorado

Enclosed are two copies of the subject application in the amount of $24,462.50. One copy of the application is being forwarded to the Grand Junction Office, DMEA, for their recommendations concerning the advisability of making a field examination and one copy is being retained in our file.

The Applicant has not confirmed the presence of mineralization on the property by enclosing any certified assay certificates and there were no records submitted of the results of any company work. No drilling bids were submitted by the Applicant.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

RECEIVED
AUG 17 1956

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

August 14, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Mountain Top Mining and Milling Company (Bell Point Mine) Montrose County, Colorado

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DMEA Field Team, Region III

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224 New Customhouse
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Memorandum

To: J. W. Hasler

From: Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Mountain Top Mining and Milling Company (Ball Point Mine) Montrose County, Colorado

Enclosed is the subject application in the amount of $24,462.50.

Please discuss this application with the Bureau of Mines representative in the Grand Junction office and the AEC and forward this office nine copies of your recommendations concerning the advisability of making a field examination.

DMEA Field Team, Region III

W. M. TRAVER,

By W. M. Traver
Executive Officer

Enclosure

WMC:ab

cc: Sec. Op. Comm. (2)
Docket
Harshman
Shaw (2)
Chron.

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By W. M. Traver
Executive Officer

Enclosure

BMC:ab

cc: Sec. Op. Comm. (2)
Docket
Harshman
Shaw (2)
Chron.

RECEIVED
AUG 17 1956

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DMEA
Date Rec'd. AUG 14 1956
BUREAU OF MINES
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. 4426
Metal or Mineral Uranium
Date Received 8-17-56
Estimated Cost $24,962.50
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: Mountain Top Mining and Milling Company
T. R. Gillenwaters, President - PO Box 1451 - Grand Junction, Colorado
or 10354 Wilshire Blvd. - Los Angeles, Calif.

(*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

RECEIVED AUG 17 1956

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

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

(*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 10% gross override outstanding on both claim groups.

(*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.

(*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.

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

(*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.

(*c*) The work will start within 30 days and be completed within 2 1/2 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.

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 [ ] 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 August 2, 1956, 195__

Mountain Top Mining and Milling Company
(Applicant)

By J. R. Gillmartin Pres
President

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

SUPPLEMENTARY SHEET
Form MF-103

1. (a) Mountain Top Mining and Milling Company
P.O. Box 1451 - Grand Junction, aColorado

(b) T. R. Gillenwaters, President
10354 Wilshire Blvd.
Los Angeles, California

Philip Doerner, Secretary-treasurer)
4921 East 38th Avenue
Denver, Colorado

Jack W. LaFollette, Vice President
240 Jersey Street
Denver, Colorado

(Organized and incorporated in Colorado)

Robert E. Baumgarten, Director
350 Glensummer Road
Pasadena, California

James A. McRae, Director
1500 Murray St.
Midland, Texas

3. Montrose County, Colorado, Bull Canyon Mining District, Secs. 2, 11 of T46N, R18W, NMPM.

Claim	Book	Page
Ball Point	349	65
Ball Point No. 1	343	66
Ball Point No. 2	343	67
Ball Point No. 3	343	68
Ball Point No. 4	343	69
Ball Point No. 5	343	70
Ball Point No. 6	343	71
Ball Point No. 7	343	72
Ball Point No. 8	343	73
Ball Point No. 9	343	74

SUPPLEMENTARY SHEET
Form MF - 103

The Bull Canyon Mining District, Montrose County, Colorado, Sec. 12, T46N, R18W, NMPM.

Location Notice

Claim	Book	Page
Reginald Ward	349	334
Esther Maud	349	333
William Newton	349	333
Donna Anna	349	334

(b) Ball Point Mine

(f) Location Notice

Claim	Book	Page
Ball Point	349	65
" " 1	343	66
" " 2	343	67
" " 3	343	68
" " 4	343	69
" " 5	343	70
" " 6	343	71
" " 7	343	72
" " 8	343	73
" " 9	343	74

Location Notice

Claim	Book	Page
Reginald Ward	349	334
Esther Maud	349	333
William Newton	349	333
Donna Anna	349	334

4. Items a.b.c.d and e are all covered in the accompanying report.

5. (b) See attached report and map.

(d) The applicant is a public stock company organized in the State of Colorado for the purpose of exploiting uranium, oil and base and precious mineral properties.

The president of the company, T. R. Gillenwaters, has been actively

SUPPLEMENTARY SHEET
Form MF-103

participating in uranium exploration, development and mining for the last two years. During this two year period, Mr. Gillenwaters has had in his employ Mr. Robert L. Rock, a graduate mining engineer of the Colorado School of Mines, with five years experience in uranium exploration, development and production to his credit Mr. Rock, who has formulated the proposed drilling program presented in this application, was formerly employed by the United States Atomic Energy Commission for 2 1/2 years as an Exploration Division project geologist. Upon approval of this application, Mr. Rock will be able to competently surpervise the project.

---

6. Estimate of Costs

(a)	Contract for 16,650 feet dry rotary non-core drilling @ $1.25/foot	$20,812.50
	10 days contract D-7 Cat. Work @ $100/day	1,000.00
	Engineering and geological fees, 2 1/2 months @ $600/mo.	1,500.00
	Deep hole probe, counter and reel assembly	675.00
	Transportation, housing, food expenses for project supervision, 2 1/2 mos. @ $150/mo.	375.00
	Assaying, blueprinting, etc.	100.00
	Estimated total cost of project	$24,462.50

MINING DEED

KNOW ALL MEN BY THESE PRESENTS, that Glenwood Mining & Uranium Corporation, a Colorado corporation, hereinafter referred to as "Grantor", in accordance with a Contract of Purchase and Sale between the Grantor and Mountain Top Mining and Milling Company, a Colorado corporation, hereinafter referred to as "Grantee", entered into by and between those parties on the 28th day of February, 1956, and in consideration of the promise by Grantee to issue to Grantor Three Hundred and Twenty-five Thousand (325,000) shares of the Grantee's common stock, does hereby grant, bargain, sell, remise, release and forever quitclaim, and by these presents does grant, bargain, sell, remise, release and forever quitclaim unto Grantee all of its right, title and interest in sixty-one (61) unpatented lode mining claims, forty-seven (47) of which are commonly called the West Carbondale Prospect in Pitkin County, Colorado and the other fourteen (14) of which are commonly known as the Davis Mesa Prospect in Bull Canyon Mining District, Montrose County, Colorado and which are described in greater detail in the location certificates recorded as follows:

Davis Mesa Propsect recorded in the county records of Montrose County, Colorado:

Claim Name	Book	Page
Ball Point	343	65
Ball Point No. 1	343	66
Ball Point No. 2	343	67
Ball Point No. 3	343	68
Ball Point No. 4	343	69
Ball Point No. 5	343	70
Ball Point No. 6	343	71
Ball Point No. 7	343	72
Ball Point No. 8	343	73
Ball Point No. 9	343	74
William Newton	349	334
Esther Maud	349	333
Donna Anna	349	333
Reginal Ward	349	334

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West Carbondale Prospect recorded in the County records of Pitkin County, Colorado:

Leanna lode mining claims numbers 1 to 30, both inclusive;
Jim lode mining claims numbers 1 to 8, both inclusive;
Elsie lode mining claims number 1 to 8, both inclusive;
Sunset No. 1 lode mining claim.
Recorded as documents numbered 101, 608 to 101, 654, both inclusive.

Such descriptions are hereby incorporated by reference.

To have and to hold the granted premises with all the privileges and the appurtenances thereto belonging to the said Grantee, its successors and assigns to their own use forever, subject to all previously reserved royalty or royalties.

The Grantor does hereby assert that it is the owner of the premises discussed herein, that it has good right and authority to convey same; however, the undersigned Grantor does not warrant title to the properties conveyed herein.

IN WITNESS WHEREOF, the Grantor has hereunto caused its signature and seal to be affixed this 26th day of March, 1956.

ATTEST: GLENWOOD MINING & URANIUM CORPORATION

S/ Paul R. Burkaw
Secy.

By S/ Wilbur Rocchio
Authorized Officer

STATE OF Texas)
)
COUNTY OF Midland)

The forgoing instrument was acknowledged before me this 26th day of March, 1956 by Wilbur Rocchio as Vice President of Glenwood Mining & Uranium Corporation.

Witness my hand and official seal.

S/ Nell Woods
Notary Public

My commission expires June 1, 1957

GEOLOGIC REPORT
BALL POINT and NEWTON CLAIM GROUPS
WILD STEER CANYON, COLORADO

INTRODUCTION:

16 July 1956

The Ball Point Group, consisting of the Ball Point Claim and the Ball Point Claims Nos. 1-9, total ten claims, which are contiguously located in Secs. 2 and 11, T46N, R18W, NMPM.

The Newton Group is composed of four contiguous claims which are located a quarter of a mile southeast of the Ball Point Group in Sec. 12, T46N, R18W, NMPM. Both claim groups are in the Bull Canyon Mining District of Montrose County, Colorado.

The properties are accessible by traveling four miles west from Naturita, Colorado on State Highway 141 and thence turning south on State Highway 90 and traveling 19 miles to the Monogram Mesa mine access road. The Monogram Mesa road is then followed for about four miles to the point where the road forks and goes up onto Monogram Mesa proper. Keeping right at this fork, travel approximately five more miles to the Newton Group access road, which forks to the left. By continuing on for about two miles past the Newton fork, access can be gained to the Ball Point Group. A deep canyon separates the two claim groups, making it necessary to drive three miles from one group to the other.

The Wild Steer mine camp and the Wild Steer mine access road are passed in the last two miles before the turn-off to the Newton Group is reached.

The Wild Steer mine is located two miles southeast of the property, while V.C.A.'s Monogram mines and the Joe Dandy mine range from three to five miles to the southeast and approximately on strike with the property.

The nearest mill is at Naturita, Colorado, 23 miles distant. Naturita is a good-sized mining community, which can provide mining supplies and manpower for the average exploration and mining needs.

HISTORY OF OPERATIONS:

On the Ball Point Claim group, 8.8 tons of high grade ($\neq$ .30% U_3O_8) carnotite ore have been mined from an outcrop in the second rim of the Ball Point claim. (see attached map) After this quantity of ore was removed, the ore body thinned noticeably and mining was discontinued. Later an attempt was made to extend the mineralization through wagon drilling. Although some ore was discovered 200 feet back from the rim, it did not justify the expense of drifting to it. Additional drilling in the general area of the aforementioned mineralized outcrop has recently been accomplished by the Mountain Top Mining and Milling Company, present owners of the property. Although more mineralization was discovered, ore in

commercial quantity was not found.

On the Newton Group, which is also presently owned by Mountain Top Mining and Milling Company, four holes were drilled behind a small but high grade carnotite outcrop on the William Newton claim. This drilling failed to extend the mineralization which is in the third Salt Wash rim.

A thick, favorable looking channel sand containing abundant limonite occurs in the first rim on the Esther Maud and William Newton claims. (see attached map)

Drilling along the trend of this sedimentary structure might well prove fruitful. Drilling has been confined to close-spaced offset drilling behind the mineralized outcrops.

GEOLOGY:

The properties are located on the southwest flank of the Paradox Valley Anticline, which influences the bedding to dip between three and five degrees to the southwest.

The Salt Wash sandstone, the potential uranium producing member, displays three sandstone ledges, each a potential uranium-bearing horizon. Although the first and third rims have proven to be the most productive units in the area, the second rim has produced high grade ore in some localities within the district. The Salt Wash which has not been removed by erosion is approximately 275 feet thick and displays well-developed primary sedimentary structures such as cross-bedding, festooning and scouring. The texture of the sandstone is generally fine to medium grained with carbon and limonite present in widely varying amounts.

Ore controls appear to be an intraformational channeling system with carbon playing a strong localizing role. Ore extensions are expected to coincide with the directions of deposition which can be interpreted by studying the primary sedimentary features. A study of these features suggests a northeasterly depositional trend.

All ore discovered so far has been the mineral carnotite in the form of bedded deposits. The ore is high grade, but outcrops are small, i. e., 30-40 feet long and averaging perhaps eight or nine inches in width.

Carbon and channelization, the localizing ingredients necessary for ore deposition, are prevalent on rim exposures and the two mineralized outcrops indicate that the area has been exposed to uranium mineralizing solutions. Considering these two facts in conjunction with the structural setting of the properties, i.e., on strike with several significant ore bodies only a short distance to the southeast, I am very optimistic about the potential of the property.

The accompanying map shows a drilling proposal for both claim groups which

would utilize a total footage of approximately 16,650 feet.

Thirty holes totaling 4,500 feet and averaging 150 feet in depth are designed for the Newton group, while 81 holes totaling 12,150 feet and averaging 150 feet in depth are proposed for the Ball Point Group.

Rotary air drilling is recommended because experience has shown that the highly fractured nature of the ground will limit wagon drilling. Core drilling is not anticipated, since a good stratigraphic picture is afforded by surface exposures and cuttings can be logged with sufficient accuracy to allow delineation of favorable ground. Each proposed hole should be logged, both lithologically and radiometrically. The proposed holes are all collared in the Salt Wash and bottomed in the shale underlying the lowest Salt Wash Sandstone ledge.

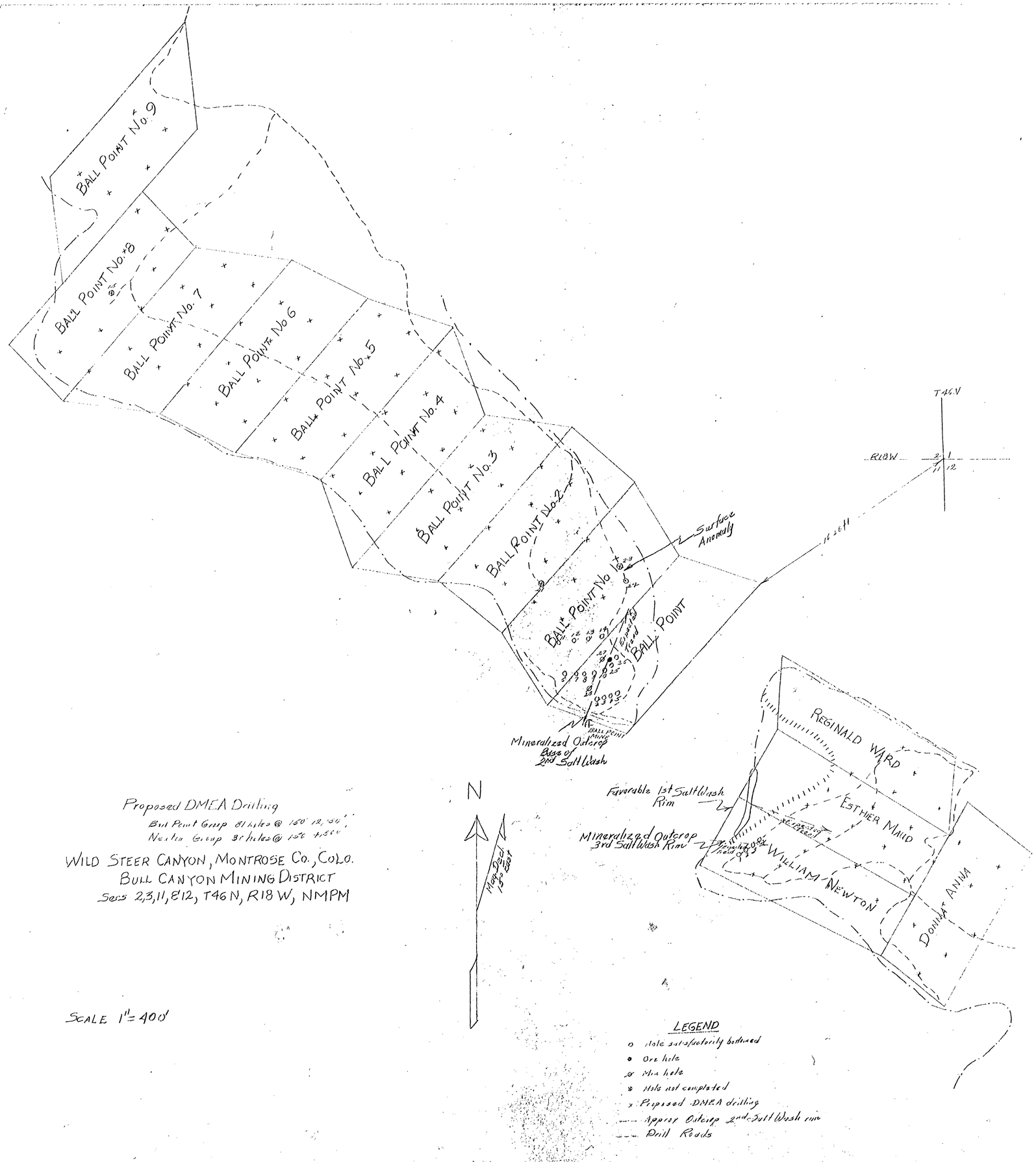
The average cost per foot is estimated at $1.25, and 10 days of D-7 Caterpillar work should suffice to construct drill sites. The total project as herein outlined will cost approximately $24,000.00.

Sincerely submitted,

Robert L. Rock

RLR:dj

Robert L. Rock
Mining Engineer



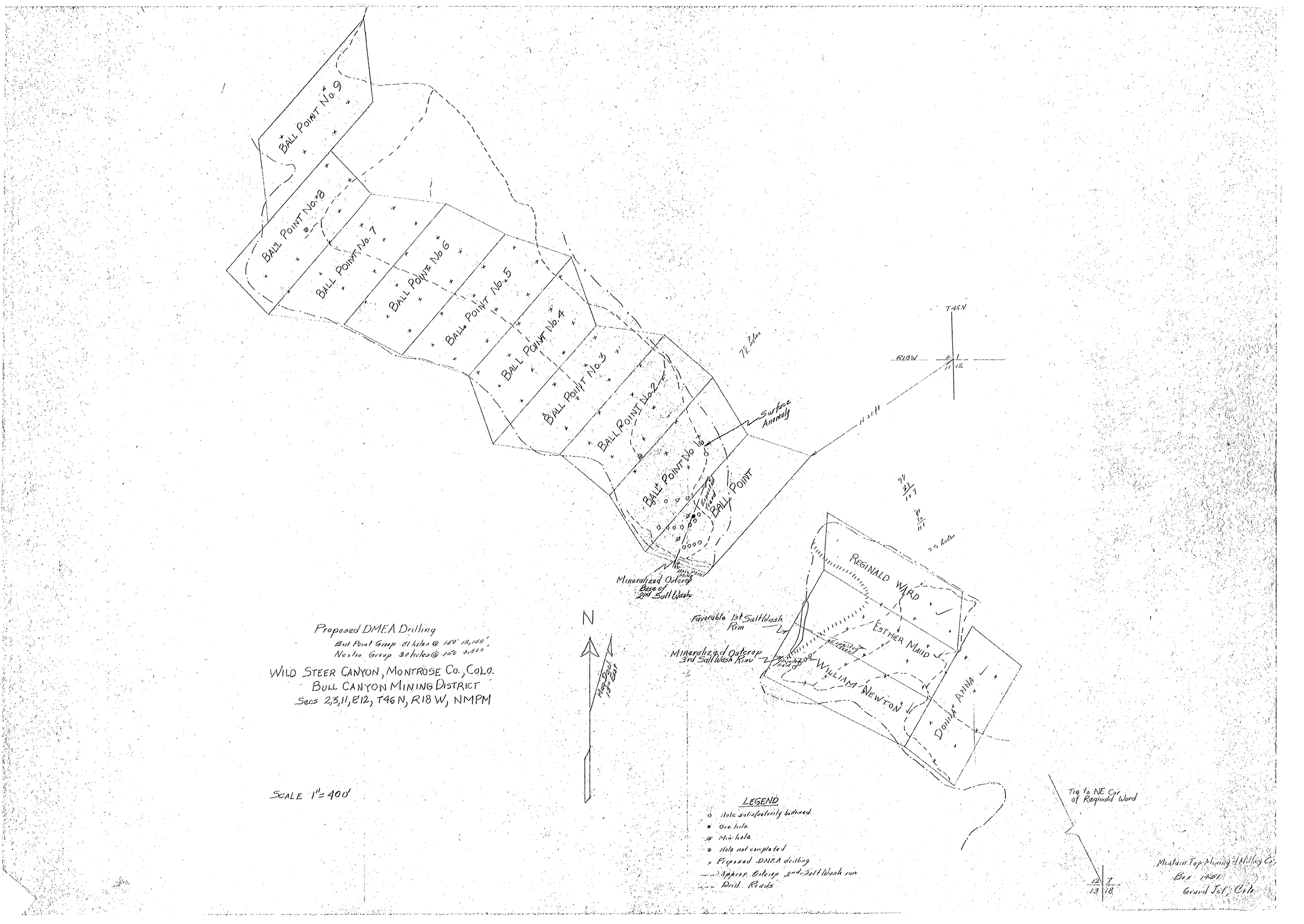
Proposed DMEA Drilling
Ball Point Group 81 holes @ 150' 12,150'
Newton Group 31 holes @ 150' 4,650'

WILD STEER CANYON, MONTROSE Co., COLO.
BULL CANYON MINING DISTRICT
Secs 2,3,11, E12, T46N, R18W, NMPM

SCALE 1" = 400'

LEGEND
- o Hole satisfactorily bottomed
- • Ore hole
- ⊗ Min hole
- ⊗ Hole not completed
- x Proposed DMEA drilling
- —— Approx Outcrop 2nd Salt Wash rim
- - - - Drill Roads

Mesatop Mining & Milling Co.
Box 1461
Grand Jct, Colo.



Proposed DMEA Drilling
Ball Point Group 61 holes @ 150' 12,150'
Newton Group 30 holes @ 150' 4,500'

WILD STEER CANYON, MONTROSE Co., COLO.
BULL CANYON MINING DISTRICT
Secs 2,3,11, E12, T46N, R18W, NMPM