Monument Development Company
Drill Hole Log

Claim: Dusty #4

Hole: #1

Depth: 17.5 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No reading	

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Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #2

Depth: 10.5 feet

Vanadium: 3 feet from 2.5' to 5.5'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
2.5' to 5.5'	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #3

Depth: 18.1 feet

Vanadium: 1 foot from 3.5' to 4.5'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
3' to 5.5'	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #4

Depth: 16 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #5

Depth: Filled with sand

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No reading. Hole filled with sand	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #6

Depth: 20.4 feet

Vanadium: Mineralized

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.5 to 11 '	.02 to .06

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #7

Depth: 18 feet

Vanadium: 3 feet from 5' to 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.2' to 11.4'	.02 to .05

Monument Development Company
Drill Hole Log

Claim: Dusty #4

Hole: #8

Depth: 18.9 feet

Vanadium: 1 foot from 8 foot to 9 foot

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.1	.04
8.2	.05
8.3	.05
8.4	.06
8.5	.07
8.6	.10
8.7	.10
8.8	.10
8.9	.10
9.	.10
9.1	.08
9.2	.07
9.3	.07
9.4	.07
9.5	.06
9.6	.05
9.7	.05
9.8	.05
9.9	.05
10.	.04
10.1	.04
10.2	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #9

Depth: 19.6 feet

Vanadium: Mineralized

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading	Footage	Reading
7.4	.04	11.7	.05
7.5	.04	11.8	.05
7.6	.04		
7.7	.03		
7.8	.03		
7.9	.03		
8.	.04		
8.1	.04		
8.2	.04		
8.3	.04		
8.4	.04		
8.5	.04		
8.6	.04		
8.7	.04		
8.8	.05		
8.9	.05		
9.	.06		
9.1	.05		
9.2	.06		
9.3	.07		
9.4	.07		
9.5	.07		
9.6	.07		
9.7	.08		
9.8	.08		
9.9	.09		
10.	.09		
10.1	.08		
10.2	.09		
10.3	.08		
10.4	.08		
10.5	.07		
10.6	.07		
10.7	.06		
10.8	.06		
10.9	.09		
11.	.06		
11.1	.06		
11.2	.06		
11.3	.05		
11.4	.06		
11.5	.06		
11.6	.05		

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #10

Depth: 18.8 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #11

Depth: Plugged

Vanadium: No ore seen in cuttings

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage Reading

Hole plugged. No ore seen in cuttings

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #12

Depth: 22.6 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #13

Depth: 24.5 feet

Vanadium: 2 feet from 8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.9	.04
8.	.03
8.1	.04
8.2	.06
8.3	.08
8.4	.09
8.5	.14
8.6	.19
8.7	.22
8.8	.22
8.9	.20
9.	.14
9.1	.10
9.2	.09
9.3	.07
9.4	.05
9.5	.05
9.6	.04
9.7	.04
9.8	.03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #14

Depth: 28.5 feet

Vanadium: 3 feet from 9' to 12'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #15

Depth: 24.6 feet

Vanadium: 2 feet from 9' to 11'

Radiomtric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
9.1	.04
9.2	.03
9.3	.03
9.3 to 11.5	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #16

Depth: 19.1 feet

Vanadium: Mineralized. from 10' to 12'. Commerical 8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.5	.05
8.6	.06
8.7	.08
8.8	.10
8.9	.13
9.	.14
9.1	.16
9.2	.15
9.3	.14
9.4	.11
9.5	.10
9.6	.06
9.7	.05

11.4	.05
11.5	.07
11.6	.10
11.7	.10
11.8	.10
11.9	.07
12.	.06
12.1	.05
12.2	.05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #17

Depth: 27 feet

Vanadium: No vanadium. Mineralization 9' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.0 to 9.5	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #18

Depth: 17 feet

Vanadium: 1' from 7' to 8', 1' from 10' to 11', 1' from 15' to 16'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #19

Depth: 18.5 feet

Mineralized: 1 ft. Vanadium from 8' to 9'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.2	.03
8.3	.04
8.4	.04
8.5	.03
8.6	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #20

Depth: 16.5 feet

Vanadium: 6 inches at 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.6	.02
4.7	.03
4.8	.04
4.9	.05
5.	.09
5.1	.12
5.2	.14
5.3	.13
5.4	.13
5.5	.09
5.6	.07
5.7	.06
5.8	.06
5.9	.04
6. to 7.	.02 to .04
10.	.04
10.1	.05
10.2	.05
10.3	.05
10.4	.04
to 11.5	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #21

Depth: 17.5 feet

Vanadium: No vanadium. Mineralization 7' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #22

Depth: 19.5 feet

Vanadium: no vanadium. Min. 8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #23

Depth: 29.5 feet

Vanadium: 2 feet from '8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.4	.02
8.5	.02
8.6	.03
8.7	.03
8.8	.03
8.9	.03
9.	.04
9.1	.04
9.2	.04
9.3	.04
9.4 to 11.2	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole #24

Depth: 18.3 feet

Vanadium: 2 feet from 8.5' 10.5'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.8	.02
7.9	.03
8.	.03
8.1	.03
8.2	.04
8.3	.06
8.4	.09
8.5	.14
8.6	.19
8.7	.23
8.8	.25
8.9	.25
9.	.20
9.1	.17
9.2	.16
9.3	.15
9.4	.13
9.5	.12
9.6	.11
9.7	.10
9.8	.08
9.9	.07
10.	.05
to 11.2	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4
Hole: #25

Depth: 18.3 feet

Vanadium: No vanadium. Min. 7' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #26

Depth: 18.2 feet

Vanadium: 1 foot from 9' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
6.5 to 8.2	.02 to .04
8.3	.05
8.4	.05
8.5	.05
8.6	.04
8.7	.04
8.8	.03
8.9	.03
9.	.02
9.1 to 10.2	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #27

Depth: 15.1 feet

Vanadium: 2 feet from 9' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
9.	.02
9.1	.03
9.2	.04
9.3	.04
9.4	.04
9.5	.04
9.6	.04
9.7	.04
9.8	.04
9.9	.04
10.	.03
10.1	.03
to 11.2	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #28

Depth: 14 feet

Vanadium: 1 foot from 9' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.3	.03
8.4	.04
8.5	.04
8.6	.07
8.7	.07
8.8	.11
8.9	.14
9.	.14
9.1	.12
9.2	.09
9.3	.07
9.4	.05
9.5	.04
9.6	.03
9.7	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #29

Depth: 38.4 feet

Vanadium: 7 feet from 8' to 15'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.3	.04
8.4	.04
8.5	.05
8.6	.05
8.7	.06
8.8	.06
8.9	.07
9.	.07
9.1	.07
9.2	.07
9.3	.06
9.4	.06
9.5	.06
9.6	.06
9.7	.06
9.8	.05
9.9	.05
10. to 12.5	.03 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #30

Vanadium: 4 feet from 6' to 10'

Depth: 19.0 feet

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading	Footage	Reading
5.3	.04	9.	.05
5.4	.05	to 12.	.05 to .06
5.5	.06		
5.6	.07		
5.7	.10		
5.8	.11		
5.9	.14		
6.	.16		
6.1	.20		
6.2	.21		
6.3	.22		
6.4	.20		
6.5	.22		
6.6	.20		
6.7	.19		
6.8	.16		
6.9	.15		
7.	.14		
7.1	.11		
7.2	.10		
7.3	.09		
7.4	.09		
7.5	.08		
7.6	.07		
7.7	.07		
7.8	.06		
7.9	.06		
8.	.05		
8.1	.05		
8.2	.05		
8.3	.06		
8.4	.05		
8.5	.05		
8.6	.05		
8.7	.05		
8.8	.05		
8.9	.05		

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #~~32~~ 31

Depth: 20.1 feet

Vanadium: 1 foot from 6' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
6.	.02
6.1	.02
6.2	.02
6.3	.03
6.4	.03
6.5	.04
6.6	.04
6.7	.03
6.8	.03
6.9	.03
7. to 8.3	.02
8.4	.03
8.5	.03
8.6	.04
8.7	.04
8.8	.06
8.9	.08
9.	.08
9.1	.07
9.2	.05
to 11.	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #32

Depth: 18.9 feet

Vanadium: Commerical from 7' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.8	.10
7.9	.11
8.	.12
8.1	.13
8.2	.14
8.3	.14
8.4	.15
8.5	.12
8.6	.12
8.7	.10
8.8	.10
8.9	.10
9.	.10
9.1	.11
9.2	.12
9.3	.16
9.4	.22
9.5	.24
9.6	.23
9.7	.23
9.8	.22
9.9	.24
10.	.20
10.1	.20
10.2	.17
10.3	.14
10.4	.12
10.5	.10
10.6	.06
10.7	.05
~~10~~	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #33

Depth: 30.3

Vanadium: 5 feet from 7' to 12'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
6.4	.04
6.5	.04
6.6	.05
6.7	.05
6.8	.05
6.9	.07
7.	.09
7.1	.10
7.2	.12
7.3	.14
7.4	.14
7.5	.17
7.6	.18
7.7	.20
7.8	.20
7.9	.18
8.	.15
8.1	.11
8.2	.08
8.3	.06
8.4	.05
8.5	.05
8.6	.04
8.7	.04
8.8	.03
to 11.	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4
Hole: #34

Depth: 19.5 feet

Vanadium: 1 foot from 7' to 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
6.	.04
6.1	.05
6.2	.09
6.3	.11
6.4	.14
6.5	.16
6.6	.15
6.7	.13
6.8	.11
6.9	.09
7.	.08
7.1	.05
7.2	.05
7.3	.04
7.4	.04
7.5	.03

10.5 to 12.	.04 to .07

Monument Development Company

Drill Hole Log

Claim: Dusty#4

Hole: #35

Depth: 20 feet

Vanadium: 3 feet Low grade from 8' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7. to 13.	.02 to .06

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #36

Depth: 31.1 feet

Vanadium: 1 foot Low grade from 8' to 9'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.3 to 8.8	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #37

Depth: 18.4 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #38

Depth: 24.7 feet

Vanadium: No vanadium

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #39

Depth: 19.4 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #40

Depth: 19.5 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #41

Depth: 9.1 feet

Vanadium: 2 feet lowgrade from 5' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #42

Depth: 17.9 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #43

Depth: Plugged

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage Reading

Plugged. No reading

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Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #44

Depth: 19.5 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #45

Depth: 14.3 feet

Vanadium: 2 feet from 5' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
3.6	.04
3.7	.04
3.8	.04
3.9	.05
4.	.05
4.1	.06
4.2	.07
4.3	.08
4.4	.08
4.5	.09
4.6	.10
4.7	.11
4.8	.12
4.9	.11
5.	.11
5.1	.11
5.2	.11
5.3	.10
5.4	.08
5.5	.07
5.6	.05
5.7	.05
5.8	.06
5.9	.05
6.	.05
6.1	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #46

Depth: 8.5 feet

Vanadium: 2 feet from 4' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.4	.04
4.5	.04
4.6	.04
4.7	.04
4.8	.04
4.9	.06
5.	.08
5.1	.10
5.2	.10
5.3	.14
5.4	.15
5.5	.14
5.6	.12
5.7	.10
5.8	.08
5.9	.05
6.	.04
6.1	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #47

Depth: 16 feet

Vanadium: 1 foot from 4' to 5'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
1.8	.04
1.9	.05
2.	.05
2.1	.05
2.2	.04
2.3	.03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #48

Depth: 14.4 feet

Vanadium: 2 feet from 4' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
.3	.04
.4	.04
.5	.05
.6	.06
.7	.08
.8	.10
.9	.13
1.	.12
1.1	.12
1.2	.10
1.3	.07
1.4	.05
1.5	.04
1.6	.04
1.7	.04
1.8	.04
1.9 to 3.3	.02
3.4	.04
3.5	.04
3.6	.04
3.7	.04
3.8	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #49 & #50

Depth: Plugged

Vanadium: 2 feet from 7' to 9' in #49

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
Plugged.	No reading

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #51

Depth: Plugged

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #52

Depth: Plugged

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
Plugged. No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #53

Depth: 11.5 feet

Vanadium: 2 feet from 2' to 5'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.6	.04
4.7	.04
4.8	.04
4.9	.04
5.	.03
5.1	.03
5.2	.03
5.3	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #54

Depth: 8.9 feet

Vanadium: 1 foot from 2' to 3'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
.1	.07
.2	.09
.3	.10
.4	.10
.5	.11
.6	.10
.7	.11
.8	.08
.9	.07
1.	.06
1.1	.05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #55

Depth: 9. feet

Vanadium: 5 feet from 2' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
1.	.05
1.1	.04
1.2	.04
1.3	.03
1.4	.02
1.5	.02
1.6	.02
1.7	.02
1.8	.02
1.9	.02
2. to 4.7	.02
4.8	.05
4.9	.05
5.	.05
5.1	.05
5.2	.05
5.3	.04
5.4	.04
5.5	.03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #56

Depth: 8.9 feet

Vanadium: 2 feet from 4' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
3.5 to 4.5	Trace

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #57

Depth: Plugged at 6.5 feet

Vanadium: 2 feet from 5' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.2	.04
4.3	.04
4.4	.05
4.5	.06
4.6	.06
4.7	.07
4.8	.09
4.9	.10
5.	.10
5.1	.11
5.2	.11
5.3	.13
5.4	.15
5.5	.17
5.6	.16
5.7	.15
5.8	.13
5.9	.10
6.	.10
6.1	.08
6.2	.08
6.3	.07
6.4	.06
6.5	.07

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #58

Depth: 8.6 feet

Vanadium: 3 feet from 3' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
2. to 5.	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #59

Depth: 8 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #60

Depth: 9 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #61

Depth: 9.2 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #62

Depth: 15.8 feet

Vanadium: 1 foot from 4' to 5'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.2	.03
4.3	.04
4.4	.04
4.5	.05
4.6	.06
4.7	.07
4.8	.07
4.9	.06
5.	.06
5.1	.05
5.2	.04
5.3	.03
5.4	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #63

Depth:

Vanadium: 3 feet from 4' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
3. to 4.	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #64

Depth: Plugged at 6.4 feet

Vanadium: 4 feet from 4' to 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.3	.04
4.4	.04
4.5	.05
4.6	.07
4.7	.07
4.8	.07
4.9	.07
5.	.06
5.1	.07
5.2	.05
5.3	.05
5.4	.04
5.5	.04
5.6	.04
5.7	.04
5.8	.04
5.9	.03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #65

Depth: 17.2 feet

Vanadium: 2 feet from 9' to 11'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8.6	.05
8.7	.06
8.8	.08
8.9	.09
9.	.12
9.1	.15
9.2	.20
9.3	.23
9.4	.25
9.5	.23
9.6	.24
9.7	.26
9.8	.27
9.9	.30
10.	.30
10.1	.33
10.2	.36
10.3	.38
10.4	.40
10.5	.38
10.6	.36
10.7	.32
10.8	.26
10-9	.21
11.	.17
11.1	.15
11.2	.13
11.3	.12
11.4	.10
11.5	.11
11.6	.11
11.7	.09
11.8	.07
11.9	.06
12.	.05
12.1	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #66

Depth: 18 feet

Vanadium: 2 fee lowgrade 5' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
3.5 to 6.	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #67

Depth: 16.2 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4. to 5.	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #68

Depth: 16.4 feet

Vanadium: 2 feet from 8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.8	.05
7.9	.05
8.	.05
8.1	.06
8.2	.07
8.3	.07
8.4	.08
8.5	.08
8.6	.09
8.7	.09
8.8	.10
8.9	.10
9.	.12
9.1	.12
9.2	.11
9.3	.11
9.4	.11
9.5	.10
9.6	.11
9.7	.12
9.8	.13
9.9	.16
10.	.19
10.1	.20
10.2	.23
10.3	.26
10.4	.25
10.5	.20
10,6	.19
10.7	.15
10.8	.15
10.9	.12
11.	.10
11.1	.08
11.2	.06
11.3	.05
11.4	.05
11.5	.05
11.6	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #69

Depth: 19.3 feet

Vanadium: 2 feet from 8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
7.7	.05
7.8	.06
7.9	.08
8.	.10
8.1	.14
8.2	.20
8.3	.27
8.4	.28
8.5	.24
8.6	.17
8.7	.14
8.8	.11
8.9	.12
9.	.10
9.1	.11
9.2	.12
9.3	.12
9.4	.12
9.5	.14
9.6	.15
9.7	.17
9.8	.17
9.9	.11
10.	.10
10.1	.07
10.2	.05
10.3	.05
10.4	.05
10.5	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #70

Depth: 16.6'

Vanadium: 1 ft. from 8 ft. to 9 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
8.4	.04
8.5	.04
8.6	.04
8.7	.05
8.8	.04
8.9	.04
9.	.04
9.1	.05
9.2	.05
9.3	.05
9.4	.05
9.5	.05
9.6	.06
9.7	.06
9.8	.07
9.9	.09
10.	.10
10.1	.13
10.2	.16
10.3	.17
10.4	.15
10.5	.11
10.6	.09
10.7	.07
10.8	.06
10.9	.05
11.	.04
11.1	.04
11.2	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #71

Depth: 17.7 '

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
9.2 to 10.7	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #72

Depth: 16.8'

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
9.5 to 11.5	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #73

Depth: 16.8'

Vanadium: 1 ft. from 4 ft. to 5 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
4.	.05
4.1	.05
4.2	.05
4.3	.06
4.4	.06
4.5	.07
4.6	.07
4.7	.08
4.8	.10
4.9	.10
5.	.10
5.1	.08
5.2	.08
5.3	.08
5.4	.07
5.5	.07
5.6	.08
5.7	.10
5.8	.09
5.9	.10
6.	.11
6.1	.10
6.2	.08
6.3	.08
6.4	.07
6.5	.07
6.6	.06
6.7	.05
6.8	.05
6.9	.05
7.	.05
7.1	.04
7.2	.03
7.3	.03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #74

Depth: 19.5 '

Vanadium: 1 ft. High Grade

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
7.2	.04
7.3	.04
7.4	.05
7.5	.05
7.6	.06
7.7	.07
7.8	.07
7.9	.08
8.	.10
8.1	.10
8.2	.09
8.3	.08
8.4	.09
8.5	.08
8.6	.08
8.7	.07
8.8	.07
8.9	.06
9.	.05
9.1	.06
9.2	.06
9.3	.06
9.4	.06
9.5	.05
9.6	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #75

Depth: 12.6'

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #76

Depth: 15'

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole # 77

Depth: 17.4'

Vanadium: None

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #78

Depth: 23.7'

Vanadium: 2 ft. From 11 ft. to 13 ft.

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
12.3	.02
12.4	.03
12.5	.03
12.6	.04
12.7	.04
12.8	.04
12.9	.04
13.	.04
13.1 to 15.7	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #79

Depth: 17 ft.

Vanadium: 4 ft. from 8 ft. to 12 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
8.7	.03
8.8	.03
8.9	.04
9.	.04
9.1	.04
9.2	.04
9.3	.04
9.5	.04
9.6 to 10.6	.03
10.7	.05
10.8	.05
10.9	.05
to 13.	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 80

Depth: 20.5 feet

Vanadium: 2 feet from 8' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8' to 10'	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 81

Depth: 18.5 feet

Vanadium: No mineralization

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
6.9	.05
7.	.06
7.1	.10
7.2	.11
7.3	.13
7.4	.12
7.5	.10
7.6	.07
7.7	.05

Monument Development Company

Drill Hole Log

Claim: Dusty #4
Hole: 82

Depth: 18.5 feet

Vanadium: 2 feet from 7.5' to 9.5 '

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
8. to 10.	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 83

Depth: 15. feet

Vanadium: 1 foot from 8' to 9'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 84

Depth: 18.

Vanadium: 6 inches at 8'

Radiometric log with model 610 Babbel counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 85

Depth: 18.

Vanadium: 6 inches at 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #86

Depth: 16.6 feet

Vanadium: 18 inches from 7' to 9'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
5.9 to 7.1	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 87

Depth: 16. ft

Vanadium: 6 inches from 9' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 88

Depth: 15.9 feet

Vanadium: 1 foot mineralized sand at 14'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 89

Depth: 17.5 feet

Vanadium: 3 feet from 5' to 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
3.7	.04
3.8	.05
3.9	.06
4.	.07
4.1	.10
4.2	.12
4.3	.10
4.4	.10
4.5	.09
4.6	.08
4.7	.07
4.8	.07
4.9	.06
5.	.05
5.1	.05
5.2	.04
5.3	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 90

Depth: 17.6 feet

Vanadium: No vanadium

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 91

Depth: 20. feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 92

Depth: 20 feet

Vanadiume: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 93

Depth: 17 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 94

Depth: 15.8 feet

Vanadium: 2 feet at 4' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 95

Depth: 15. feet

Vanadium: 1 foot at 5' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
3.4 to 6.	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 96

Depth: 16. feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 97

Depth: 13. feet

Vanadium: 2 feet at 4' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 98

Depth: 10.5 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 99

Depth: 20.5 feet

Vanadium: None. Mineralized 2 feet at 14' to 16'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
11.5 to 13.5	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 100

Depth: 25. feet

Vanadium: 3 feet lowgrade at 13' to 16'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 101

Depth: 25 feet

Vanadium: 2 feet lowgrade at 13' to 15'. 2 feet mineralization 17'to19'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 102

Depth: 26 feet

Vanadium: Mineralized 13' to 17'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage Reading

Plugged at 3'

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #103

Depth : 23'

Vanadium: 1 ft. lowgrade 16' to 17' - Mineralized 6 to 8'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
16.5 to 19.5	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #104

Depth: 24 '

Vanadium: 1 ' - 10 to 11' - Mineralized 4' - at 16' to 20'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
8.9 - 11'	.02 to .03
16. - 21'	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #105

Depth: 28'

Vandium: 1' lowgrade 11' to 12'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #106

Depth: 31'

Vanddium: 1' - 18' to 19'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
19.	.02
19.1	.02
to 21.1	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #107

Depth: 27'

Vanadium: 1' High 17' to 18'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
17.8	.02
17.9	.02
18.	.02
18.1	.02
18.2	.03
18.3	.04
18.4	.04
18.5	.05
18.6	.04
18.7	.04
18.8	.03
to 20.2	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #108

Depth: 30.5'

Vanadium: 4' Mineralized Sand 20' to 24'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #109

Depth: 31'

Vanadium: 1' Mineralized Sand 19' to 20'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #110

Depth: 31.5'

Vanadium: 4' Mineralized Sand 17' to 2 '

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #111

Depth: 29.5'

Vanadium: 3' Mineralized 21' to 24'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #112

Depth: 33'

Vanadium: 10' Mineralized Sand & Clay & Carbon

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
18.5' - 30'	.02 - .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #113

Depth: 31.5'

Vanadium: 8' Mineralized Sand and Clay 19' to 27'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #114

Depth: 29.9'

Vanadium: 2' at 18' to 20'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
19.5 to 23.	.03 to .07

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #115

Depth: 28'

Vanadium: 1' lowgrade at 20' to 21'. 7' Mineralized Sand at 18' to 25'.

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
18.5 to 22.5	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #116

Depth: 28'

Vanadium: 3' at 19' to 22'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
19. to 25'	.02 to .04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #117

Depth: 26'

Vanadium: 2' at 18' to 20'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
18. to 21.	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #118

Depth: 26'

Vanadium: Barren Sand

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #119

Depth: 24'

Vanadium: Barren

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
no Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #120

Depth: 25.5'

Vanadium: Barren

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #121

Depth: 28'

Vanadium: 1' Mineralized at 18 to 19'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

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Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : # 122

Depth: 21'

Vanadium: 6" at 7' to 8'

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #123

Depth: 30.5'

Vanadium: Barren

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 124

Depth: 23 feet

Vanadium: Barren

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage Reading

Plugged at 11.8 '

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 125

Depth: 19.9 feet

Vanadium: 3 feet mineralized sand and clay at 14& to 17'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 126

Depth: 24 feet

Vanadium: 2 feet lowgrade at 13' to 15'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monumnat Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 127

Depth: 20.1 Feet

Vanadium: 1 foot at 13' to 14'

Radiometric log with model 610 Babbel Counter Cal. .40 en #4 Scale

Footage	Reading
12.4	.03
12.5	.04
12.6	.04
12.7	.04
12.8	.05
12.9	.06
13.	.08
13.1	.10
13.2	.11
13.3	.12
13.4	.10
13.5	.10
13.6	.08
13.7	.06
13.8	.05
13.9	.05
14.	.05
14.1	.05
to 17.5	.03 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 128

Depth: 25.6 feet

Vanadium: 5 feet lowgrade at 13' to 18'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
11.5 to 16.5	.03 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 129

Depth: 21.7 feet

Vanadium: 3 feet at 14' to 17'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
11.7	.03
11.8	.03
to 13.8	.02 to .05
13.9	.06
14.	.07
14.1	.08
14.2	.08
14.3	.09
14.4	.10
14.5	.11
14.6	.13
14.7	.13
14.8	.13
14.9	.13
15.	.11
15.1	.10
15.2	.10
15.3	.10
15.4	.10
15.5	.07
15.6	.07
15.7	.06
15.8	.05
to 19.	.02 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 130

Depth: 20.3

Vanadium: 2 feet mineralized at 14' to 16'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
11. to 11.7	.02 to .03
15. to 16.2	.02 to 03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 131

Depth: 19.1 feet

Vanadium: 4 ft. mineralized sand and clay at 12' to 16'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
13.9 to 15.5	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 132

Depth: 20.3 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 133

Depth: 18 feet

Vanadium: 18 inches at 6' to 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Beg

Claim: Dusty #4

Hole: 134

Depth: 16.5 feet

Vanadium: 4 feet at 6' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
6. to 10.	.01 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 135

Depth: ### 20.5 feet

Vanadium: 2 feet mineralized sand at 6' to 8'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 136

Depth: 15. feet

Vanadium: 1 foot high grade at 9' to 10'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
9.	.04
9. to 15.	Plugged

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 137

Depth: 20.5 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

JAN 30 1957
DMEA

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 138

Depth: 10. feet

Vanadium: 1 foot at 5' to 6'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
4.	.03
4.1	.04
4.2	.04
4.3	.07
4.4	.08
4.5	.10
4.6	.09
4.7	.08
4.8	.08
4.9	.06
5.	.05
5.1	.05
5.2	.04
5.3	.03
to 6.	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 139

Depth: 15. feet

Vanadium: 1 foot lowgrade at 6' to 7'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 140

Depth: 37.7 feet

Vanadium: 9 feet mineralized san at 18' to 27'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
18.3 to 26.5	.02 to .08

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 141

Depth: 23. feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
16.	.05
16.1	.05
16.2	.05
16.3	.06
16.4	.06
16.5	.07
16.6	.08
16.7	.08
16.8	.08
16.9	.08
17.	.08
17.1	.10
17.2	.09
17.3	.07
17.4	.06
17.5	.06
17.6	.07
17.7	.07
17.8	.07
17.9	.09
18.	.10
18.1	.11
18.2	.11
18.3	.13
18.4	.14
18.5	.15
18.6	.15
18.7	.15
18.8	.15
18.9	.16
19.	.17
19.1	.18
19.2	.16
19.3	.15
19.4	.14
19.5	.11
19.6	.10
19.7	.08
19.8	.06
19.9	.06
20.	.05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 142

Depth: 31.4 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
16.2	.05
16.3	.05
16.4	.06
16.5	.06
16.6	.07
16.7	.08
16.8	.08
16.9	.08
17.	.08
17.1	.08
17.2	.09
17.3	.10
17.4	.10
17.5	.10
17.6	.10
17.7	.09
17.8	.09
17.9	.08
18.	.08
18.1	.08
18.2	.09
18.3	.09
18.4	.10
18.5	.09
18.6	.09
18.7	.08
18.8	.08
18.9	.09
19.	.10
19.1	.10
19.2	.11
19.3	.12
19.4	.10
19.5	.11
19.6	.10
19.7	.10
19.8	.09
19.9	.08
20.	.07
20.1	.07
20.2	.06
20.3	.05
20.4	.05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 143

Depth: 30.2 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
19.1	.05
19.2	.05
19.3	.05
19.4	.06
19.5	.05
19.6	.06
19.7	.06
19.8	.08
19.9	.09
20.	.09
20.1	.09
20.2	.09
20.3	.07
20.4	.05
--	
25.	.05
25.1	.06
25.2	.10
25.3	.12
25.4	.15
25.5	.13
25.6	.11
25.7	.08
25.8	.05
25.9	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #144

Depth: 30.4'

Vanadium: 2 ft. at 17 ft. to 19 ft.

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
19.2	.05
19.3	.05
19.4	.07
19.5	.08
19.6	.10
19.7	.12
19.8	.12
19.9	.14
20.	.13
20.1	.13
20.2	.14
20.3	.11
20.4	.13
20.5	.11
20.6	.10
20.7	.09
20.8	.08
20.9	.05
21.	.04

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #145

Depth: 34.5'

Vanadium: 1 ft. at 14 to 15 ft. and 6 in. at 18 to 19 ft.

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
17. to 22.	Very low

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #146

Depth: 30.7'

Vanadium: 3 ft. at 15 to 18 ft. and 1 ft. at 19 to 20 ft.

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
16.4	.05
16.5	.05
16.6	.08
16.7	.10
16.8	.15
16.9	.19
17.	.20
17.1	.20
17.2	.20
17.3	.18
17.4	.15
17.5	.12
17.6	.10
17.7	.08
17.8	.05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #147

Depth: 31.5'

Vanadium: 8' Mineralized sand

Radiometric log with Model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #148

Depth: 35 ft.

Vanadium: 5 ft. mineralized sand at 16 ft. to 21 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
Plugged at 5 ft.	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #149

Depth: 39 ft.

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
20.	No reading
20.	Plugged

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #150

Depth: 40 ft.

Vandium: 1 ft. lowgrade at 18 to 19 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
Plugged at 5 ft.	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #151

Depth: 40 ft.

Vanadium: Barren

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: #152

Depth: 50 ft.

Vanadium: 3 ft. Mineralized sand at 24 to 27 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
	No Reading

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #153

Depth: 40 ft. in white sand

Vanadium: 1 ft. low grade at 27 to 28 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No reading	
Red clay band 30 ft.	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #154

Depth: 40 ft.

Vanadium: 8 ft. mineralized sand at 25 to 33ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #155

Depth: 40 ft.

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
23. to 26.	Ore showing. Bad Circulation

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #156

Depth: 40 ft.

Vanadium: Mineralized sand and mineralized clay

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
18. to 21.	.02 to .05

Bad circulation

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #157

Depth: 42 ft.

Vanadium: 5 ft. mineralized sand at 25 to 30 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #158

Depth: 40 ft.

Vanadium: 10 ft. mineralized sand at 20 to 30 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #159

Depth: 42 ft.

Vanadium: 3 in. at 30 ft. and 4 ft. of mineralized clay

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
31 to 35	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #160

Depth: 40 ft.

Vanadium: 3 in. at 30 ft. and 6 in. at 34 to 35 ft.
8 ft. mineralized sand at 28 to 36 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
31 to 34 ft.	.02

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #161

Depth: 40 ft.

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
	No reading
	Plugged at 30 ft.
	Lost circulation when drilled

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #162

Depth: 40 ft.

Vanadium: 1 ft. lowgrage at 29 to 30 ft. and 4 ft. mineralized sand at 27 to 31 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #163

Depth: 40 ft.

Vanadium: 2 ft. lowgrade at 31 to 33 ft. and 6 ft. mineralized sand at 28 to 34 ft.

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole : #164

Depth: 43 ft.

Vanadium: Barren

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale.

Footage	Reading
No Reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 165

Depth: 50. feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 166

Depth: 41. feet

Vanadium: 6 inches at 34' to 35'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
34.5 to 36	.02 to .03

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 167

Depth: 50. feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 168

Depth: 42. feet

Vanadium: 1 foot at 33' to 34'

Radiometric log with model 610 Babbel Counter cal. .40 on #4 Scale

Footage	Reading
33. to 35.	.03 to .05

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 169

Depth: 40. feet

Vanadium: 2 feet mineralized sand at 29' to 31'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage Reading

No reading

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 170

Depth: 40. feet

Vanadium: 1 foot mineralized sand 29' to 30'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 171

Depth: 41. feet

Vanadium: 6 feet mineralized sand at 29' to 35'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 172

Depth: 42 feet

Vanadium: White Sand

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 173

Depth: 40.1 feet

Vanadium: None

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Foootage	Reading
No reading	

Monument Development Company

Drill Hole Log

Claim: Dusty #4

Hole: 174

Depth: 40 feet

Vanadium: 3 feet at 24' to 27'

Radiometric log with model 610 Babbel Counter Cal. .40 on #4 Scale

Footage	Reading	Footage	Reading
21.5	.04	25.7	.15
21.6	.04	25.8	.13
21.7	.04	25.9	.12
21.8	.06	26.	.11
21.9	.06	26.1	.06
22.	.06	26.2	.06
22.1	.06	26.3	.05
22.2	.06	26.4	.04
22.3	.07	26.5	.04
22.4	.07	26.6	.04
22.5	.07	26.7	.03
22.6	.06	26.8	.03
22.7	.06	26.9	.03
22.8	.06	27.	.02
22.9	.06	to 30.	.02 to .03
23.	.06		
23.1	.06	Plugged at 30 ft.	
23.2	.06		
23.3	.06		
23.4	.07		
23.5	.07		
23.6	.09		
23.7	.10		
23.8	.11		
23.9	.10		
24.	.10		
24.1	.11		
24.2	.14		
24.3	.17		
24.4	.21		
24.5	.23		
24.6	.27		
24.7	.31		
24.8	.34		
24.8	.31		
25.	.27		
25.1	.25		
25.2	.23		
25.3	.22		
25.4	.20		
25.5	.17		
25.6	.15		

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS
~~Mrs Carlson~~ ~~A.A.S. Personnel~~	RUN / STOP	
Personnel, ~~Geological Survey~~	RUN / STOP	
J. Lunsky 5208 Gsn	RUN / STOP	
B. B. Jones Room 4240	RUN / STOP	
~~Mrs Distribution~~ ~~Memo & Dispatch~~	RUN / STOP	
Mr. Martin 3538 Ga.	RUN / STOP	
	RUN / STOP	
	RUN / STOP	
	RUN / STOP	
	RUN / STOP	

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Use other side first

DMEA Form 7
(12-56)

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Date	Surname	Code
5/28	Ching	700
5/28	Ching	700
5/31	Selfridge	130
5/29	M Mahon	130
5/29	Kiilsgaard	130
31	Whitenack	1001
5/31	JAV9	220
		225

MAY 31 1957

Mr. J. B. Sanchez, General Manager
Monument Development Company
Box 282
Dove Creek, Colorado

Re: Docket No. DMEA-4623 (Uranium)
Dusty Claims
San Juan County, Utah

Dear Mr. Sanchez:

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

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

Careful study of all our information, although noting some 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,

C. O. Mittendorf (for)

Administrator

MChing/izm 5-28-57
cc to: Mr. Ching
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. 3 (2)

8623

Docket

Chiang
Ellis

May 28, 1957

Summary of Proposed Project

Object: Denial of application for an exploration project.

Docket No.: DMEA-4623

Commodity: Uranium

Applicant: Monument Development Co., a partnership
Box 282
Dove Creek, Colorado

Property: 10 lode mining claims, Dusty 1-10, located in secs. 26 and 35, T. 36 S., R. 25 E., S.L.M.&B., San Juan County, Utah. Applicant is the owner.

Date of Application: January 17, 1957

Amount of Application: $65,369.84

Referred to Region III: Feb. 8, 1957

Field Examination made: March 20, 1957

Field Team Report recd: May 20, 1957

Work Proposed: Explore the areas back from the rim opposite three major mineralized outcrops on the property by means of core and non-core drilling. Originally 2 stages were contemplated with 17,500 feet of drilling in the first stage and 10,000 feet in the second stage. This plan was later modified by the addition of a third stage which would actually precede the two stages originally contemplated and require 2,000 feet of drilling closer to the existing workings in the central or "A" area. Original estimated costs were not modified and are as follows:

23,000 ft. non-core drilling @ $1.50/ft.	$34,500.00
4,500 ft. core drilling @ $4/ft.	18,000.00
100 hrs. bulldozing @ $14/hr.	1,400.00
Supervision & consultants (8 mths.)	6,000.00
Operating materials & supplies	320.00
Operating equipment	1,000.00
Miscellaneous	4,149.84
Total	$65,369.84
Government Participation @ 75%	$49,027.38

Field Team Report: May 14, 1957, F.M. Byers, Jr., USGS & Carl Belser, USBM:

The mineralized zone is in an upper sandstone rim of the Salt Wash member of the Morrison formation which is exposed for a distance of about 4,600 feet on the property. The rim contains at least seven shallow workings. Two new adits on the Dusty No. 4 claim total 340 feet in length. 174 wagon-drill holes, averaging 23.3 feet in depth have been drilled in the vicinity of the two adits. Production from the two adits amounted to 22.97 tons of ore averaging 0.13% U_3O_8 and 1.94% V_2O_5. The Applicant has stockpiled an estimated 200 tons of material averaging 0.09% U_3O_8 and 2.00% V_2O_5. Ore averaging about 0.20% U_3O_8 was present in the faces of two drifts.

Of 119 holes drilled near the main outcrop and workings, 55 contained vanadium in significant quantities and 44 contained material with an average thickness of 3.33 feet and an average content of 0.059% eU_3O_8. 7 holes contained material averaging better than 0.10% eU_3O_8. Of 55 other holes drilled in outlying areas, 22 contained uranium of less than ore grade.

The ore-bearing sandstone ranges from 30 to 50 feet in thickness. Small lenses of uranium ore are scattered through a southerly trending blanket deposit of vanadium ore about 100 feet wide and of unknown length. The uranium lenses appear to be localized only where there is abundant carbonaceous trash in the vanadium ore layer. They average about 15 feet in diameter and contain 50 tons or less of marginal grade uranium ore. The cost of finding erratically distributed bodies of this size would be disproportionately high in relation to the value of the ore. It is recommended that the application be denied.

Commodity Group Comments:

USBM, James Paone, May 24, 1957:

Agrees with the Field Team and advises denial of the application.

USGS, N. E. Nelson, May 27, 1957:

Concurs with the Field Team's recommendation for denial of the application.

Div. of Rare and Miscellaneous Metals, Michael Ching, May 28, 1957:

Potential deposits on the property would have more vanadium than uranium value. Mineralization is widespread but concentrations of uranium ore are spotty and marginal in grade at best. The seven nearest DMEA applications in this general area have been denied.

Conclusions and Recommendations:

The chances of making a worthwhile discovery on this property are not good. It is recommended that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Director
Division of Rare and
Miscellaneous Metals

IN REPLY REFER TO:

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

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DMEA
RECEIVED MAY 28 1957

DATE	INITIALS	CODE
5 28	C	220
"	Chang	700

May 27, 1957
Re: DMEA 4623
Monument Devel. Co.
Dusty Claims
San Juan County, Utah
$65,370 - Uranium

Memorandum

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

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

Subject: Review of Field Team Report

The applicant requested assistance in drilling 27,500 feet of core and non-core holes.

The property has been prospected with 174 wagon drill holes, 4,057 feet, several hundred feet of drifting in 7 adits or shallow workings. Ore production from 2 adits was 22.97 tons of 0.13% U_3O_8 and 1.94% V_2O_5 during 1956-'57. Vanadium ore to the amount of 200-300 tons has been shipped and a stockpile contains about 200 tons of 0.09% U_3O_8 and 2.00% V_2O_5.

The vanadium-uranium ore occurs in the Salt Wash member of the Morrison (Jurassic) formation. The beds are exposed in the rim for 4,600 feet. Judging by the results of prospecting and exploration, the ore potential of the ore-bearing beds is low.

Therefore, the examiners and the Field Team recommend that the application be denied.

I concur with that recommendation.

N. E. Nelson

N. E. Nelson

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"	Chmy	700

May 24, 1957

4623

Uranium

Monument Development Co.
Dusty Claims
San Juan County, Utah
$65,369.84

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member
Uranium Commodity Committee

Field Team Report

[illegible] 5/14/57 [illegible] 5/23/57

[illegible] Yes [ ] No [ ]

[illegible] Yes [ ] No [ ]

[illegible] Yes [ ] No [ ]

[illegible] Yes [ ] No [ ]

[illegible] Yes [ ] No [ ]

[illegible]

[illegible]

a. Factors meeting general conditions:
- a. Location [ ]
- b. Commodity [ ]
- c. Evidence of mineralization [ ]
- d. Geology [ ]
- e. Proposed exploration method [ ]
- f. Alternate exploration method [ ]
- g. Costs [ ]
- h. [ ]

b. Action effected:
- a. Obtain information from [illegible] [ ]
- b. Refer to Field Team [ ]
- c. Dropped [x]
- d. Agree with Field Team [x]
- e. Discuss with Field Team [ ]
- f. Suggest alternate plan [ ]
- g. Request another examination [ ]
- h. Approval [ ]
- i. Consult with Mr. _____ at _____ AEC office.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

May 17, 1957

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5/20	JWB	220
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5/27	JWB	220
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Memorandum

To: Secretary to the operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination Docket DMEA 4623 (Uranium) Monument Development Company (Dusty Claims) San Juan County, Utah

Enclosed are the original and three copies of the Joint Report of Examination on the subject property by Carl Belser, USBM, and F. M. Byers, Jr., USGS.

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

E. N. Harshman

E. N. Harshman
Acting Executive Officer

Enclosures

ON-SITE EXAM.

Reviewed by
DMEA OPERATING COMMITTEE
5-24-57
(date)

IN REPLY REFER TO:

DMEA
DEPARTMENT OF THE INTERIOR
MAY 16 1957
REGION III
DENVER, COLORADO

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

May 16, 1957

Memorandum

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

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

Subject: DMEA Docket 4623 (Uranium), Monument Development Company (Dusty claims), San Juan County, Utah

Enclosed are the original and nine copies of a joint report by Carl Belser, U. S. Bureau of Mines, and F. M. Byers, Jr., U. S. Geological Survey covering their examination of the subject property.

The applicant proposed a program of core and non-core drilling, estimated to cost $65,369.84, to explore for uranium ore on a group of 10 unpatented claims in the Monument Canyon area, San Juan County, Utah.

The examiners report that very small lenses of ore occur in the Salt Wash member of the Morrison formation, associated with larger areas of vanadium mineralization. They conclude that the uranium ore bodies that might be found by drilling will contain 50 tons or less of marginal grade uranium ore.

The examiners recommend, and we concur, that the application for exploration assistance be denied.

The report and the conclusions and recommendations therein have the approval of J. W. Hasler.

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		220

A. S. Konselman
Mining Engineer

Reviewed by
DMEA OPERATING COMMITTEE

E. N. Harshman 5-24-57 (date)
E. N. Harshman
Member, Field Team

Enclosures (10)
ENHarshman:mp

TRANSMITTED
MAY 16 1957

FOR UNITED STATES GOVERNMENT USE ONLY

DMEA
DEPARTMENT OF THE INTERIOR
MAY 16 1957
REGION III
DENVER, COLORADO

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

OFFICIAL FILE COPY
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RECEIVED MAY 20 1957
DATE | CODE
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DMEA 4623

Monument Development Company

Dusty Claims

San Juan County, Utah

Uranium

TRANSMITTED
MAY 16 1957

Joint Engineering and Geologic Report

by

F. M. Byers, Jr., Geologist
U. S. Geological Survey

Carl Belser, Mining Engineer
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
5-24-57
(date)

May 14, 1957

CONTENTS

	Page
Introduction and Summary	1
Acknowledgments	2
Location, Topography, and Climate	2
History and Production	4
Ownership and Extent	5
Present Status	5
Exploration and Development	5
Mining and Milling Equipment and Other Facilities	7
Geology	7
Ore Deposits	8
Sampling and Ore Reserves	9
Applicant's Estimated Cost of Project	10
Conclusions and Recommendations	10

ILLUSTRATIONS

Figure	Follows page
1. Location map, Dusty claims, Monument Development Co., San Juan County, Utah - DMEA 4623	2
2. Portion of Dusty No. 4 claim showing work done by applicant, Monument Development Co., San Juan County, Utah	10

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RECEIVED MAY 20 1957

DATE	INITIALS	CODE
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		220

DMEA 4623

MONUMENT DEVELOPMENT COMPANY
DUSTY CLAIMS
SAN JUAN COUNTY, UTAH

INTRODUCTION AND SUMMARY

Monument Development Company, a partnership, Box 282, Dove Creek, Colorado, on January 17, 1957, applied for aid from the Defense Minerals Exploration Administration to explore for uranium ore behind an ore-bearing sandstone outcrop of the Salt Wash member of the Morrison formation. The property consists of the 10 unpatented Dusty claims in secs. 26 and 35, T. 36 S., R. 25 E., S.L.M., San Juan County, Utah. The applicant requested aid in doing 27,500 feet of core and non-core drilling at an estimated cost of $65,369.84.

The property was examined by the examining team on March 20, 1957. The mineralized zone is in an upper sandstone rim of the Salt Wash member of the Jurassic Morrison formation, which is exposed for a distance of about 4,600 feet on the Dusty claims. The rim contains at least seven shallow workings. Two new adits on the Dusty No. 4 claim total 340 feet in length, and 174 wagon-drill holes, averaging 23.3 feet in depth, have been drilled in the vicinity of the two adits. Ore production from the two adits is 22.97 tons averaging 0.13 percent U_3O_8 and 1.94 percent V_2O_5.

Uranium-ore lenses, averaging about 15 feet in planimetric diameter, are scattered through a southerly-trending blanket deposit of vanadium ore about 100 feet wide and of unknown length. The uranium-ore lenses are localized by carbonaceous trash accumulations within the ground mineralized with vanadium. The reserves in such a lens might be as much as 50 tons containing about 0.20 percent U_3O_8.

The expected ore bodies (50 tons or less of marginal grade uranium) are too small to contribute substantially to the nation's stockpile, and exploration costs are disproportionately high for the amount of ore that might be discovered. The DMEA examining team therefore recommends that the application under Docket 4623 be denied.

ACKNOWLEDGMENTS

J. B. Sanchez and Lee Ancell, 2 of the 8 partners, accompanied the examining team during the examination. The Atomic Energy Commission was consulted before the examination was made.

LOCATION, TOPOGRAPHY, AND CLIMATE

The Dusty claims are located on the east side of Monument Canyon, about 9 miles northeast of the confluence of Monument Canyon and Montezuma Canyon, at an approximate altitude of 6,000 feet, in secs. 26 and 35, T. 36 S., R. 25 E., S.L.M., San Juan County, Utah (fig. 1). The claims are contiguous; they cover the Salt Wash rim on the side of the canyon and extend back over the Westwater rim into the Brushy Basin

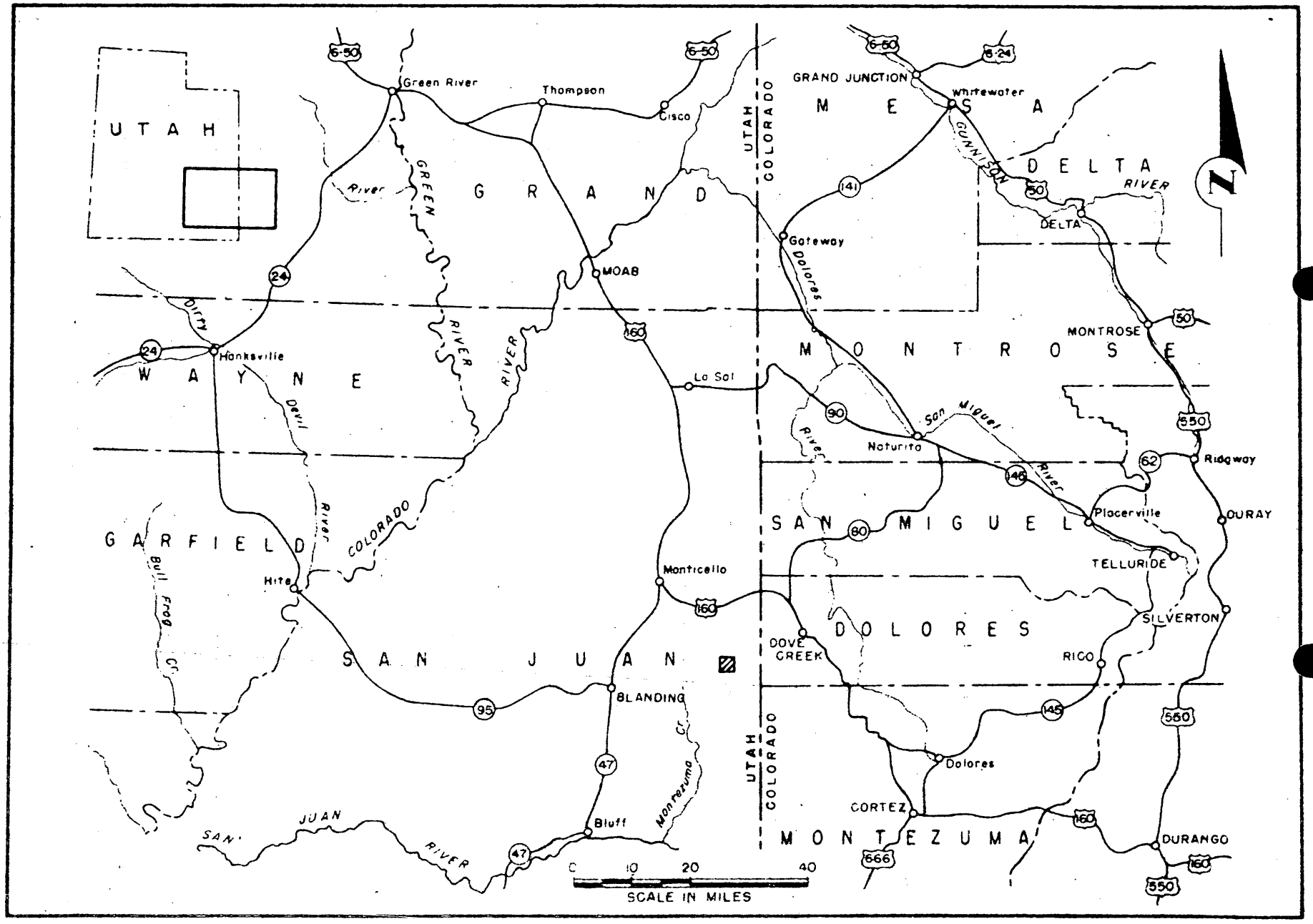

FIGURE 1 - LOCATION MAP, DUSTY CLAIMS, MONUMENT DEVELOPMENT COMPANY, SAN JUAN COUNTY, UTAH.

DMEA 4623

member of the Jurassic Morrison formation. The Brushy Basin member covers the top of a rolling bench which extends southeastward to the steep slopes of the Burro Canyon and Dakota formations, which lie just under the plateau that extends outward from the Dakota rim of the canyon.

A severe storm blocked operations on the Dusty claims for 60 days in January, February, and March 1957, but in normal years drilling operations can be carried on during most of the winter.

The property is reached from Dove Creek by following the Bug Point road southwest for about 16 miles, then continuing over an unimproved dirt road 8 miles to the claims. From Dove Creek, Durango, Colorado, is 78 miles to the east over U. S. Highway 160. Monticello, Utah, is 27 miles to the west over the same paved highway, and Thompson, Utah, is 111 miles to the northwest over U. S. Highways 160 and 50. The Denver & Rio Grande Western narrow-gauge railroad terminal is at Durango and the Denver & Rio Grande Western main line passes through Thompson, Utah.

REA transmission lines are about 10 miles from the property. Pinon and pine grow on and near the property and would be suitable for some mine use. Water for domestic use is hauled from Dove Creek, and drilling water can be obtained locally. Ore-buying depots are maintained at Durango, Colorado, and Monticello, Utah. Labor and supplies can be obtained in Dove Creek, Durango, Colorado, and Monticello, Utah.

HISTORY AND PRODUCTION

Little is known of the early history of the area. The upper rim on the Dusty claims was worked with shallow, scattered workings for vanadium in 1939-1940 by Bob Everett and Jim Robenett, and between 200 and 300 tons of ore are said to have been shipped. This estimate appears to be the right order of magnitude, judging from the size of the workings along the rim. Later, Givens and Eggers held the properties but abandoned them in 1955. In 1956, the ground was relocated as the Dusty claims by the Monument Development Company. The applicant has built and improved access roads, but has confined all mining and exploration work to the Dusty No. 4 claim. About 340 feet of drifts and crosscuts have been driven from two inclines, and 174 holes, comprising 4,061.4 feet (23.3-foot average), have been drilled. Production for 1956-1957 has been 22.97 tons averaging 0.13 percent U_3O_8 and 1.94 percent V_2O_5. On the dump is a stockpile estimated to contain 200 tons of ore averaging 0.09 percent U_3O_8 and 2.00 percent V_2O_5, which the applicant plans to up-grade. More uranium ore, averaging about 0.20 percent of U_3O_8, appears to have been penetrated in the faces of two drifts and was being shipped at the time of the examination.

The Rusty Can claims of the Vanadium Corporation of America are across the canyon from the mine, and half a mile to the southwest of the Dusty claims is the Pure Luck property. Both of these properties are inactive at the present time.

OWNERSHIP AND EXTENT

The 10 unpatented claims are recorded in the office of the County Recorder of San Juan County, Utah, as follows:

Claim	Book	Page	Date Recorded	Locator
Dusty No. 1	128	148	7/9/56	Monument Development Co.
2	"	"	"	" " "
3	"	149	"	" " "
4	"	"	"	" " "
5	132	9	7/25/56	" " "
6	"	"	"	" " "
7	"	38	7/26/56	" " "
8	"	"	"	" " "
9	136	167	8/15/56	" " "
10	"	"	"	" " "

The claims appear to be in good order. A proof of labor notice by Givens and Eggers, dated July 1, 1955, was found in the old rim workings on the Dusty No. 8 claim. This notice included the Blue Bird, Hidden, First Link, Second Link, Last Link, East Link No. 1, East Link No. 2, and East Link No. 3 claims. These claims covered the rim in about the same area that is now covered by the Dusty claims. According to J. B. Sanchez, Givens did not plan to do any more work on the claims and had let the assessment work lapse.

PRESENT STATUS

Exploration and Development

The upper Salt Wash rim had been explored by prior locators in shallow workings in at least seven different places along 4,600 feet

of rim exposure. The applicant has confined all his work to the Dusty No. 4 claim. Two inclines or adits (the flat-lying ore zone is about 12 feet under surface) have been driven from portals about 60 feet apart (fig. 2). The westerly adit is about 90 feet long and is now used as a storehouse. The easterly or main adit has about 250 feet of drifts. A small amount of stoping has been done. In addition, 174 holes, averaging 23.3 feet in depth and comprising 4,061.4 feet of drilling, have been drilled behind the rim in the vicinity of the adits.

Of the 175 holes, 119 are shown on figure 2. Fifty-five of the holes contained vanadium in significant quantities by visual inspection to constitute minable vanadium ore according to the applicant (shaded areas of figure 2). Of these mineralized vanadium holes, 44 contained material with an average thickness of 3.33 feet and an average content of ~~0.59~~ 0.039 percent eU_3O_8 by radiometric determination. Of these, four scattered holes and three other adjoining holes averaged better than 0.10 percent eU_3O_8 and, in conjunction with the vanadium content, might be considered to be acceptable at mills as uranium ore. Of 55 outlying holes not shown on figure 2, 22 contained uranium of less than ore grade and the rest were barren.

Mining and Milling Equipment and Other Facilities

Mining equipment consists of the following:

125 c.f.m. Worthington compressor with Continental engine.

Scoot-Crete shuttle car with Hallet diesel engine.

Gardner-Denver drill with air leg.

Hand tools.

Chevrolet 1/2 ton pickup truck

A two-year-old Failing 1,500 hydraulic drill is owned by Lee Ancell, a drilling contractor and one of the partners.

Other facilities consist of a fair access road.

GEOLOGY

The Dusty claims of Monument Development Company are near the southern edge of the Great Sage Plain in southeastern Utah. The beds are essentially horizontal. Monument Canyon is incised to a depth of 300 feet, nearly through the Salt Wash member of the Jurassic Morrison formation. About seven sandstone lenses ranging from 20 to 50 feet in maximum thickness are exposed in the walls of the canyon. The ore-bearing sandstone is the second sandstone bed from the top and appears to be more continuous than the others. The uppermost lens is discontinuous and is thin or lacking in the area of the mine workings (fig. 2).

Overlying the Salt Wash member is a mudstone-sandstone unit that ranges from 25 to 50 feet in thickness, depending on the thickness of

the uppermost Salt Wash sandstone. This unit is probably the Recapture member of the Morrison formation.

About 100 feet above the top of the ore-bearing sandstone at the mine is the base of a 50-foot coarse sandstone bed that forms a prominent bench. This is the Westwater Canyon sandstone member of the Morrison formation. The Brushy Basin member of the Morrison is also some distance back from the Westwater Canyon rim but is of no concern to the applicant's proposed drilling program. Holes collared on the top surface of the Westwater Canyon sandstone would have to be about 210 feet deep to insure penetration of the ore-bearing sandstone and 10 feet of underlying mudstone.

ORE DEPOSITS

The ore-bearing sandstone ranges from 30 to 50 feet in thickness. The vanadium ore occurs on different horizons through an interval 5 to 20 feet below the top of the ore-bearing sandstone, but there is generally only one ore zone, up to 5 feet in thickness. Small lenses of uranium ore appear to be localized within the vanadium ore only where there is abundant carbonaceous trash in the vanadium ore layer. The lateral extent of a typical lens is shown by the stope outlines at the end of the most easterly drift and by three closely spaced ore holes just south of the short, mostly westerly adit (fig. 2). The average diameter of the uranium ore shoots is about 15 feet, a rather small target.

SAMPLING AND ORE RESERVES

No samples were taken for chemical analysis. The rim exposures were tested with a scintillator over most of its exposed length on the claims. The exposures in the two adits were tested in the same manner. As a whole, tested exposures on the rims were narrow and of low U_3O_8 content, but exposures registering 0.30 to 0.50 percent eU_3O_8 were found in narrow, isolated spots. In the adits, the uranium content was low except towards the two headings in the main adit, where the mineralized zone was 5 feet thick and appeared to contain from 0.10 to 0.20 percent U_3O_8. About 200 tons of mineralized material taken from the adit and piled on the dump is said to average 0.09 percent U_3O_8 and 2.00 percent V_2O_5.

The mineralized area comprises a reserve which, according to the applicant, totals 4,000 tons of ore with an average content of 0.11 percent eU_3O_8 and 2.00 percent V_2O_5. Inasmuch as this reserve has been based on the content of only 22 tons shipped plus a visual appraisal of the vanadium content of ore holes, it cannot be considered a well substantiated reserve. Even with the content claimed, the tenor of ore can hardly be termed profitable or significant.

APPLICANT'S ESTIMATED COST OF PROJECT

The applicant requested aid in building access roads and drill sites and doing 27,500 feet of core and non-core drilling, at an estimated cost of $65,369.84. Government participation at 75 percent would be $49,027.38. Inasmuch as the examining team is going to deny any DMEA assistance for exploration on the Dusty group, no alternative program is proposed.

CONCLUSIONS AND RECOMMENDATIONS

It is the opinion of the examining team, because of the small average planimetric diameter of the uranium ore lenses (15 feet), and their scattered erratic distribution, that the probability of finding them by drilling is remote. Such ore lenses, if found, would not be significant and the cost of finding them would be disproportionately high in relation to the value of the ore.

Denial of the application of Monument Development Company, under Docket 4623, is therefore recommended.

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

Date: April 10, 1957

DMEA Docket No. 4623
DMEA Contract No.
Commodity Uranium
Name of applicant Monument Development Co.
Name of property Dusty Claims
Location of property San Juan County, Utah
Estimated cost of project $65,369.84

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 1/25/57. 2. Date received by reviewer: 4/9/57

3. Other reports on this property known to reviewer: Yes [ ] No [✓]

4. Other 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 meeting 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 [ ]
  - 1. Consult with Mr. _____ at _____ AEC office.
- e. Disagree with Field Team [ ]
- f. Suggest alternate plan [ ]
- g. Request another coordination [ ]
- h. Approval [x]

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

Application was previously reviewed by USBM. This review applies only to some supplemental information supplied by the Applicant. No action required.
MC.

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4623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

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4/9	C	220
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4/9	JP	BM

April 5, 1957

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA-4623 (Uranium) Monument Development Co., (Dusty Claims) San Juan County, Utah

Enclosed as a supplement to the original application are two copies of the following:

1. Map showing revised hole locations.

2. Letter dated April 3, 1957, transmitting Item I above from J. B. Sanchez, General Manager, Monument Development Company.

The listed items are being forwarded to the field examiners by copy of this letter. Two copies of the items are being retained in our file.

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

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RECEIVED APR 8 1957

DATE	INITIAL	CODE

Monument Development Company
Box 282
Dove Creek, Colorado

April 3, 1957

DMEA
DEPARTMENT OF THE INTERIOR
APR 4 - 1957
REGION III
DENVER, COLORADO

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

Re: Docket No. DMEA 4623 (Uranium)
Monument Development Co.,
Dusty Claims
San Juan County, Utah

Dear Sir:

Submitted herewith are the additional drill hole sites as suggested by Mr. J. William Hassler of your Grand Junction office. Red shaded hole Nos. 1-18 are the proposed new sites.

They were carefully located by Brunton-tape to take advantage of the benching afforded by thesandstone rims.

It is our understanding that the new holes are to be used as Stage I of the program, with the rest of the original "A" program as stages II and III. This meets with our approval.

The blue shaded hole sites Nos. 1-8 arethe first row of the original "A" program and are shown here so you can better see how they fit theproposed new holes. I have also shown the mine drifts mapped up to date.

I would estimate 50 hours of Bulldozer work for the additional new sites. There will be a little rough going. There will be approximately 2,000 feet of drilling in these new holes.

We are well pleased with theadditional sites as it makes a more thorough Drilling program. Hoping this also meets with your approval. If you need additional information please let us know.

Very truly yours,

MONUMENT DEVELOPMENT COMPANY

J. B. Sanchez

J. B. Sanchez, General Manager

JBS:gs
Enclosures

W.O

DMEA
DEPARTMENT OF THE INTERIOR
FEB 13 1957
REGION III
DENVER, COLORADO

February 13, 1957

Memorandum

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

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4623 (Uranium) Monument Development Co. (Dusty claims) San Juan County, Utah

The application for Monument Development Company, Docket DMEA 4623, in the amount of $65,369.84 was received in this office on February 13, 1957.

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

W. H. KING

W. H. King

cc: W. M. Traver (2)
E. H. Harshman
J. W. Hasler
M. E. Salsbury
J. F. Shaw

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Inc. Ep. Comm (2)

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

224 New Customhouse
Denver 2, Colorado

February 12, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 15 1957

DATE	INITIALS	CODE
2/18	C	220
	~~Chief~~	700

Memorandum

To: W. H. King (2) w/copy application, Chm's. letter and review memoranda
J. W. Hasler w/copy Chm's. letter and review memoranda

From: DMEA Field Team, Region III

Subject: Docket DMEA-4623 (Uranium) Monument Development Co. (Dusty claims) San Juan County, Utah

Enclosed are copies of the subject application in the amount of $65,369.84, its transmittal to the Executive Officer by the Chairman, Operating Committee, and memoranda of review by W. P. Williams, USGS, and J. E. Crawford, USBM. A field examination and suitable covering joint Report of Examination are requested. A copy of the application was furnished to J. W. Hasler by our memorandum of January 28, 1957.

Your attention is directed to the Survey's review memorandum which indicates that deposits in the Montezuma Canyon area, discovered in the past, have been small and scattered.

Please return the Bureau of Mines' copy of the application with your Report of Examination.

DMEA Field Team, Region III

Original signed by
W. M. TRAVER

By W. M. Traver
Executive Officer

Enclosures
WMT:jy
cc: Sec. Op. Comm. (2)
Harshman w/copy Chm's. ltr. & review memoranda
Docket 4623
Chron.

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2-7	Ching	700
2-7	Ellis	700
2/8	Selledge	130
"	Johnson	110
"	Whittendorf	100
		220

Kilgoard
Lamb

FEB 8 1957

Mr. J. B. Sanchez, General Manager
Monument Development Company
Box 282
Dove Creek, Colorado

Re: Docket No. DMEA-4623 (Uranium)
Dusty Claims
San Juan County, Utah

Dear Mr. Sanchez:

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

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

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

Sincerely yours,

C. O. Mitten (for)

Administrator

MChing/izm 2-7-57
cc to: Code 700
Mr. Ching
Admr.'s Reading File
DMEA FT Reg. 3 (2)

RCS

8623

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2-7	Ching	700
2-7	[illegible]	700
2/8	Selfridge	130
"	Johnson	110
"	Whitaker	100
2/11	C	220

700

FEB 8 1957

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

Re: Docket No. DMEA-4623 (Uranium)
Monument Development Company
Dusty Claims
San Juan County, Utah

Dear Mr. Traver:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendations.

Copies of memoranda, dated February 4 and 5, 1957, by W. P. Williams, USGS, and John E. Crawford, USBM, respectively, relating to the application are enclosed for your information. Also enclosed is one copy of the application with two maps attached and a separate bound volume of drill logs for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

MChing/ism 2-7-57
cc to: Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee
Messrs. THKiilsgaard, 5224
AEC - JKratchman

8623

OFFICIAL FILE COPY DMEA RECEIVED FEB 6 1957		
DATE	INITIALS	CODE
2/6	C	220
2-6	Ellis	700

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

Date February 5, 1957

DMEA Docket No. 4623
DMEA Contract No.
Commodity Uranium
Name of applicant Monument Development Co.
Name of property Dusty Group
Location of property San Juan County, Utah.
Estimated cost of project $65,369.84

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

1. Date of subject document: 1/31/57. 2. Date received by reviewer: 2/5/57.

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 meriting 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. Support alternate plan ☐
g. Request another consultation ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC office.

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

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

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DMEA
RECEIVED FEB 6 1957

DATE	INITIALS	CODE
2-6	C	220
2-6	Ellis	700

Comments complete

February 4, 1957

Memorandum

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

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

Subject: Review of application, DMEA 4623, Monument Development Company, Dusty group of claims, San Juan County, Utah, (uranium).

The applicant proposes to explore for uranium ore deposits on ten mining claims. The proposed work would consist of a total of 27,500 feet of drilling in two stages at a total estimated cost of $65,370.

Past work on the property, according to the applicant, consists of 174 drill holes and 245 feet of drifting. This work resulted in the shipment of about 23 tons of material and a mine stockpile of 200 tons both of which are about 0.10 percent U_3O_8 in grade.

The property appears to be located within the reaches of Montezuma Canyon in an area where ore deposits are known to be very small and scattered. The outlook for success for the proposed work seems unpromising.

I recommend that the application be referred to the Field Team. It is likely that specific information about the Dusty claims exists in Grand Junction. If not, a field examination of the property may be required in view of the large amount of work completed by the applicant and the reported occurrence of ore.

W. P. Williams

W. P. Williams

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

January 31, 1957

Monument Development Company
P. O. Box 282
Dove Creek, Colorado

Subject: DMEA-4623

Gentlemen

Your application for exploration assistance, dated January 17, 1957 submitted to our office at Denver, has been assigned Docket Number DMEA-4623 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

(Sgd) Allen S. Dakan

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region III. Denver 2, Colorado

Code 700

6416

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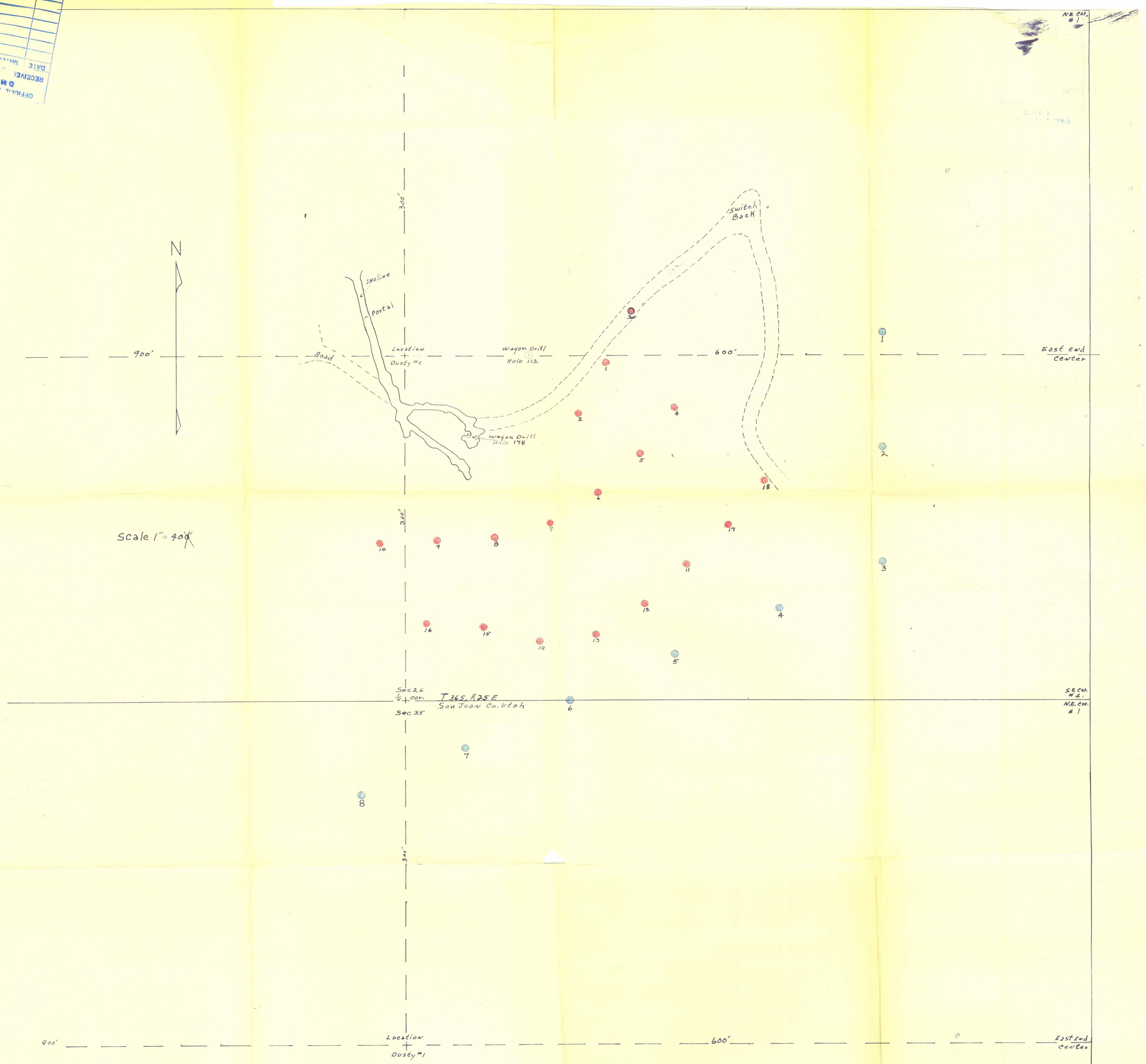
DMEA
DATE MINERALS CODE
MAR 8 1957



Amendment to DMEA Loan Application — Docket No. DMEA 4623 (Uranium)
Monument Development Co. Box 282 Dove Creek, Colo.
Holes Shaded In Red Now Represent Stage I Of Drilling Program
Holes 1-8 Shaded In Blue Indicate First Row Shown on Original Map
Drifts Are Also Mapped to Date

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
MAY 1957
DOCKET 4623

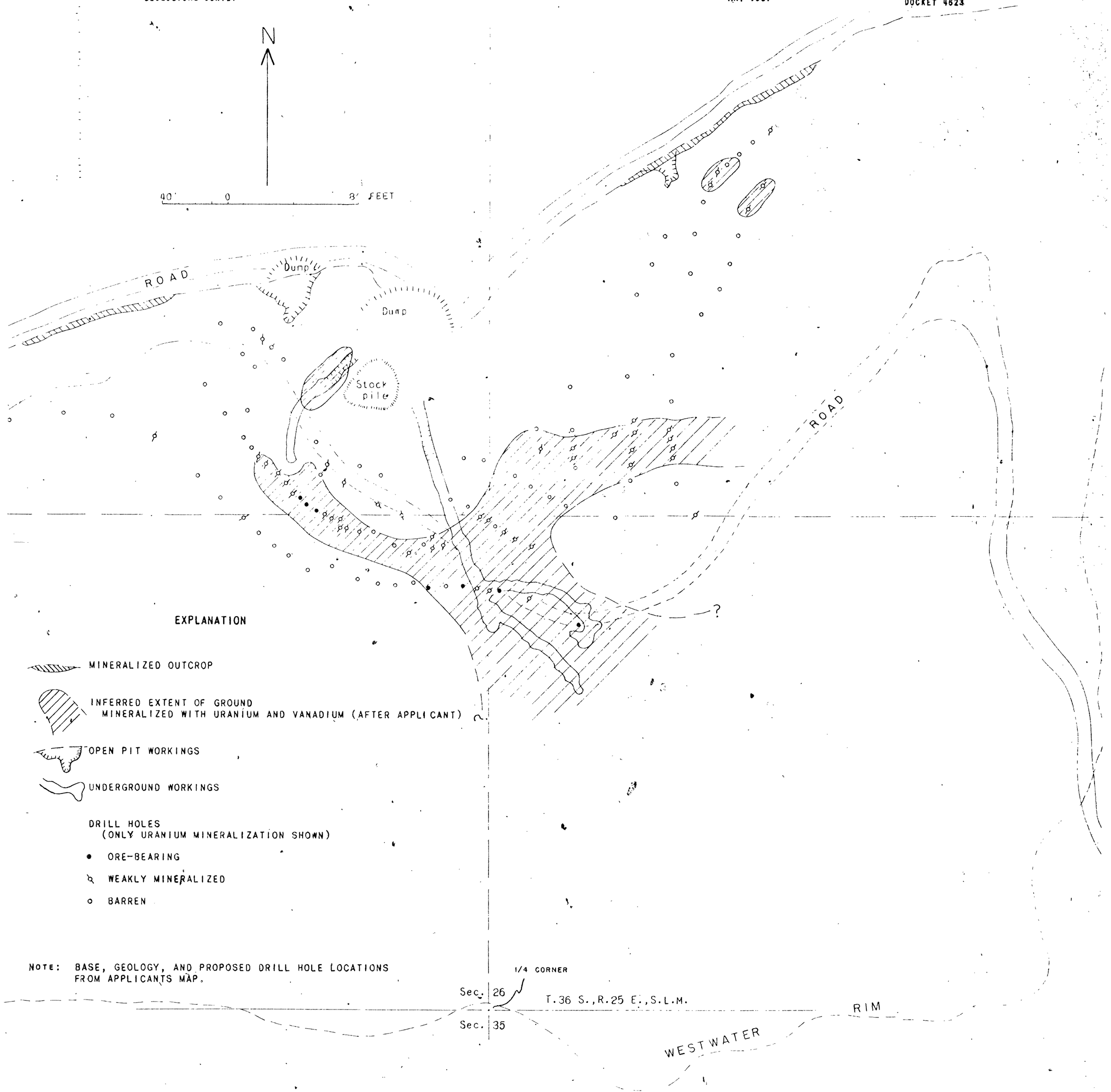
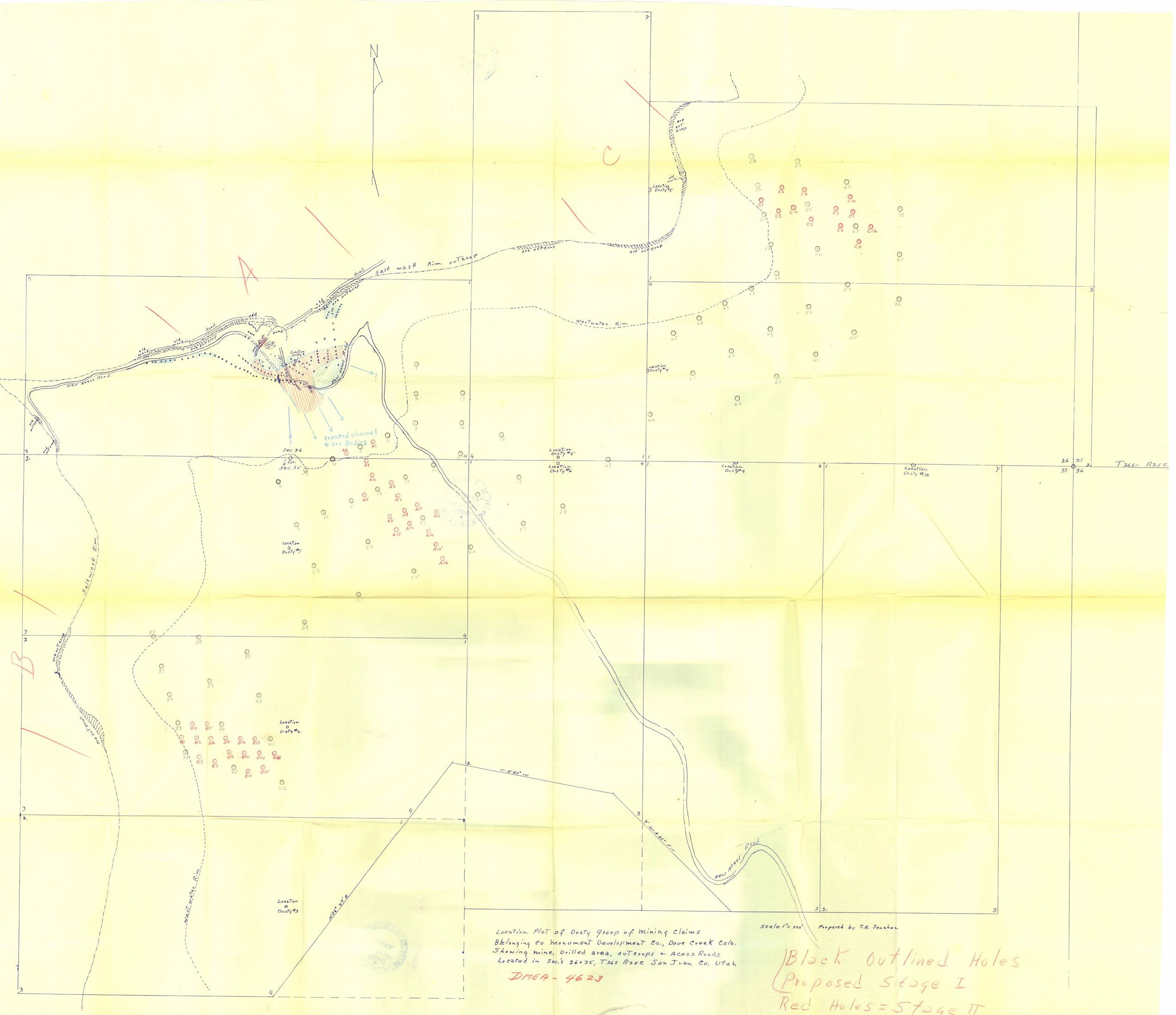


Figure 2.--PORTION OF DUSTY NO. 4 CLAIM SHOWING WORK DONE BY APPLICANT, MONUMENT DEVELOPMENT COMPANY, SAN JUAN COUNTY, UTAH.

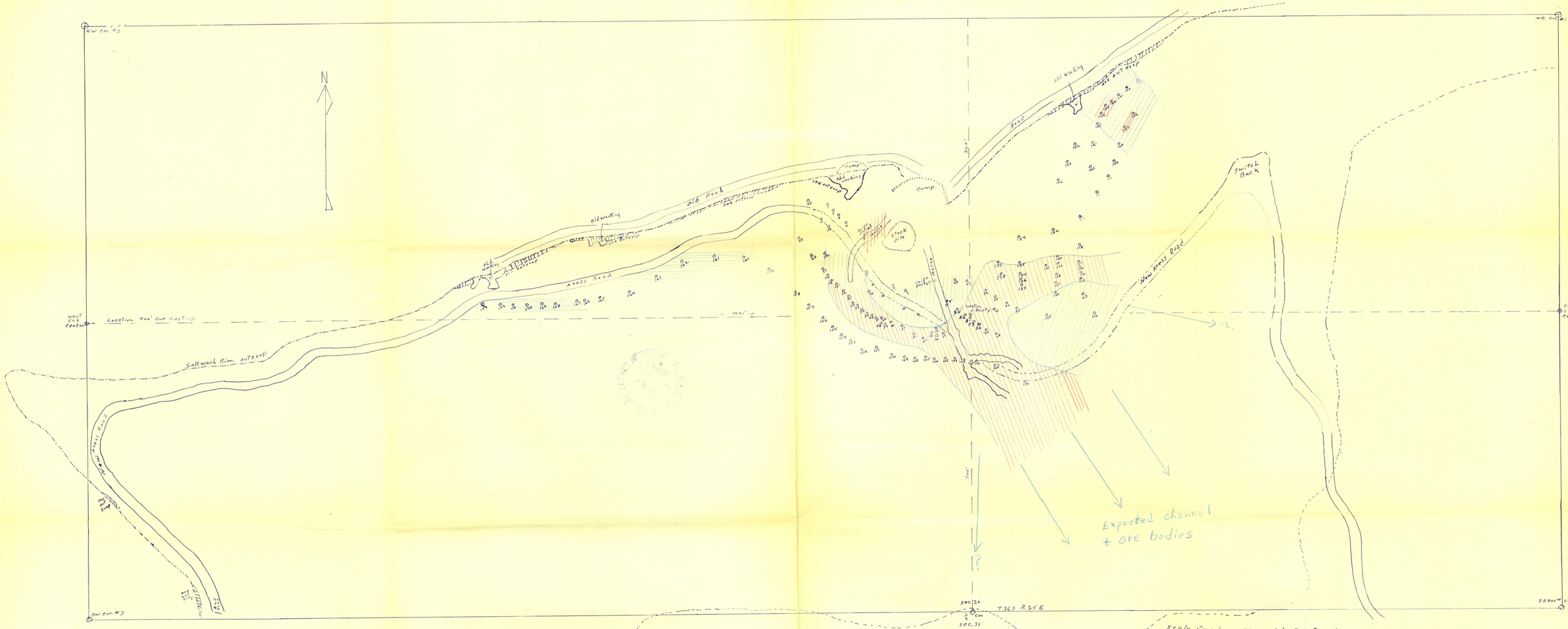


Location Plat of Dusty group of Mining Claims
Belonging to Monument Development Co., Dove Creek Colo.
Showing mine, Drilled area, outcrops + Acess Roads
Located in Sec's 26+35, T36S R25E San Juan Co. Utah

Scale 1" = 100' Prepared by J.B. Sanchez

DMEA - 4623

Black Outlined Holes
Proposed Stage I
Red Holes = Stage II



Detailed map of Dusty #4 Mining Claim Showing mine, Drill Holes, outcrops, old workings + Roads — Located in SE¼ sec. 26 - T36S R25E And in Monument Canyon, San Juan County, Utah. Monument Development Co. Box 282 Dove Creek, Colo.

Red Shaded Areas = Ore beds

Blue Shaded Areas = Mineralized beds