3260 0024

URANIUM-OCCURRENCE REPORT

Quad Name A90< WELLS Dem 24 >

Quad Scale A100< | , 2, 5, 0, 0, 0, 0 >

Deposit No. B40< 6a (sec. 20) >

Deposit Name A10 < Happy Joe No. 1, Happy Mendive and Big Joke >

Synonym Name(s) A11 < Big Joe #1 ? >

District or Area A30 < Mountain City >

Country A40 <U, S> |U, S| State Nevada

State Code A50 <3, 2> |3, 2| County A60 < Elko >
(Enter code twice from List D)

Position from Prominent Locality A82 < One mile northwest of Point of Rocks

>

Field Checked G1 <7, 9 | 0, 7> By G2< Quade Witzel , Jack Frank >
Yr Mo Last name First Initial

Latitude A70 <4, 1 | 4, 7 | 1, 8, N> Longitude A80 <1, 1, 5 | 4, 8 | 1, 7, W>
Deg Min Sec Deg Min Sec

Township A77 < | , 4, 5 | N> Range A78 < | , 5, 5 | E> Section A79 <2, 0>
N/S E/W

FT/M

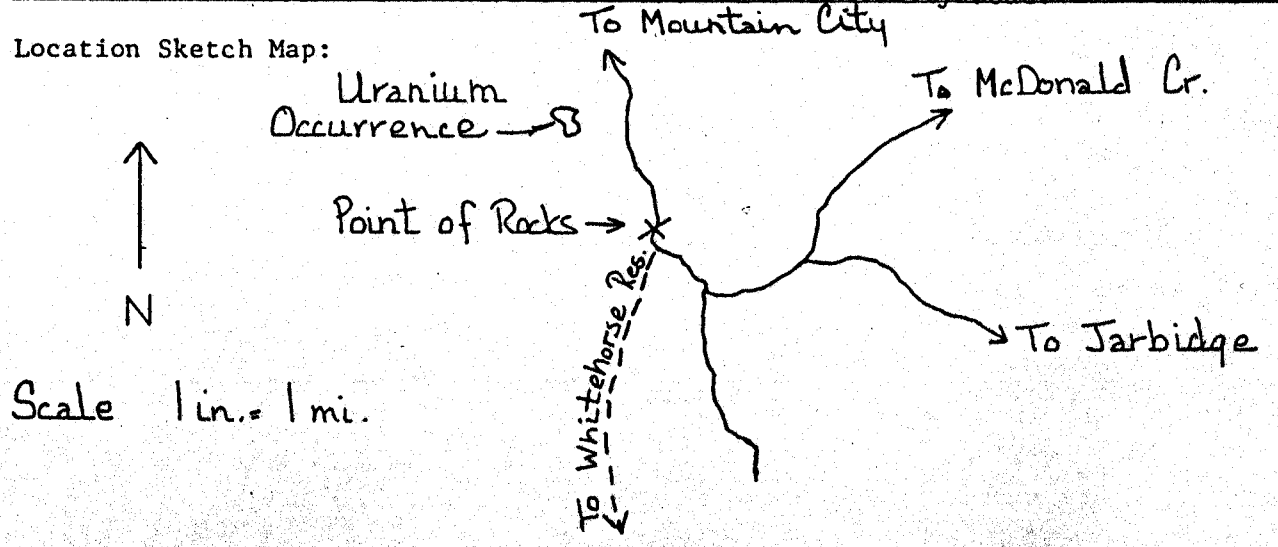
Meridian A81 < Mt. Diablo > Altitude A107 < 6650' >

Quad Scale A91 < | , | 6, 2, 5, 0, 0> Quad Name A92 < Mountain City >
(7½' or 15' quad)

Physiographic Province A63 <1, 2 | Basin and Range >
(List K)

Location Comments A83 <The U Occurrence is four hundred yards North and two hundreds yards West of Point of Rocks and can be seen from Mt. City road. >

Location Sketch Map:



BFE 1236
4/19/78

URANIUM-OCCURRENCE REPORT

Quad Name WELLS

Deposit No. 6a (sec. 20)

Commodities Present:
C10 <U>

Commodities Produced:
MAJOR < > COPROD < >

MINOR < > BYPROD < >

Potential Commodities:
POTEN < > OCCUR < >

Commodity Comments C50 < >

Status of Exploration and Development A20 < 2 >
(1 = occurrence, (2 = raw prospect) 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < One water-filled shaft of unknown depth, three trenches. >

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) (M140 (Both))

Description of Workings M220< Small doghole shaft (water filled), a trench 6 feet deep and 50 feet long extends away from shaft, several small shallow trenches also in the area, trenches strike N. 60° E. >

Cumulative Uranium Production PROD YES (NO) SML MED LGE (circle)

DH2
accuracy thousands of lb. years grade
G7<U> G7A< > G7B<LB> G7C< > G7D< % U3O8>

Source of Information D9 < >

Production Comments D10 < >

Reserves and Potential Resources

EH
accuracy thousands of lb. year of est. grade
E1<U> E1A< > E1B<LB> E1C< > E1D< % U3O8>

Source of Information E7 < >

Comments E8 < >

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Quad Name WELLS

Deposit No. 6a (sec. 20)

Deposit Form/Shape M10 < Irregular - along fracture surfaces >

Length M40 < Unk. > M41 < > FT/M

Width M50 < Unk. > M51 < >

Thickness M60 < Unk. > M61 < >

Strike M70 < N70°E (?) >

Dip M80 < vertical (?) >

Size M15 (circle letter): 1b U308

(A) 0 - 20,000
B 20,000 - 200,000
C 200,000 - 2 million
D 2 million - 20 million
E More than 20 million

Tectonic Setting N15 < Mobile belt >

Major Regional Structures N5 < North edge of Basin and Range >

Local Structures N70 < Rhyolite is highly fractured >

Host-FM. Name U1 < Unknown > Member U2 < - >

Host Rock K1 < TERT | BI > (Age)

Mineralization occurs in light grey rhyolite; there is local heavy hematite stain along fractures; weathering is intense; feldspars bleached and decomposed.
(Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3 < Volcanic - flow, ash and pumice. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < A pumiceous tuff overlies the rhyolite at the northeast end of the main trench. It is light grey, and shows evidence of intense weathering. >

Ore Minerals C30 < Autunite - sample MJC433 has autunite crystals growing directly on hematite. >

Gangue Minerals K4 < Hematite, clay? >

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Quad Name WELLS

Deposit No. 6a (sec. 20)

Alteration N75 < Local heavy hematite and limonite stain in fracture zones, feldspars eroded and milky, some clay mineralization. >

Reductants U5 < Clay minerals, iron oxides. >

Analytical Data (General) C43 < >

Radiometric Data (General) U6 < Background 250 cps >
(No. times background and dimensions)

5 x background over an area 50 ft. long, 4 ft. wide along main trench; 5 x background over an area 10 ft. by 4 ft. in small trench N.W. of main trench, to 5 x background in rest of this trench.

Ore Controls K5 < Fracture zones in the rhyolite apparently dictated the flow of downward percolating enriched ground water - highest count was generally observed in fracture zones with heavy hematite stain. Uranium minerals growing with and on hematite suggest U was precipitated with the iron oxides. >

Deposit Class C40 < Hydroallogenic > Class No. U7 <5 4 0>

Comments on Geology N85 < >

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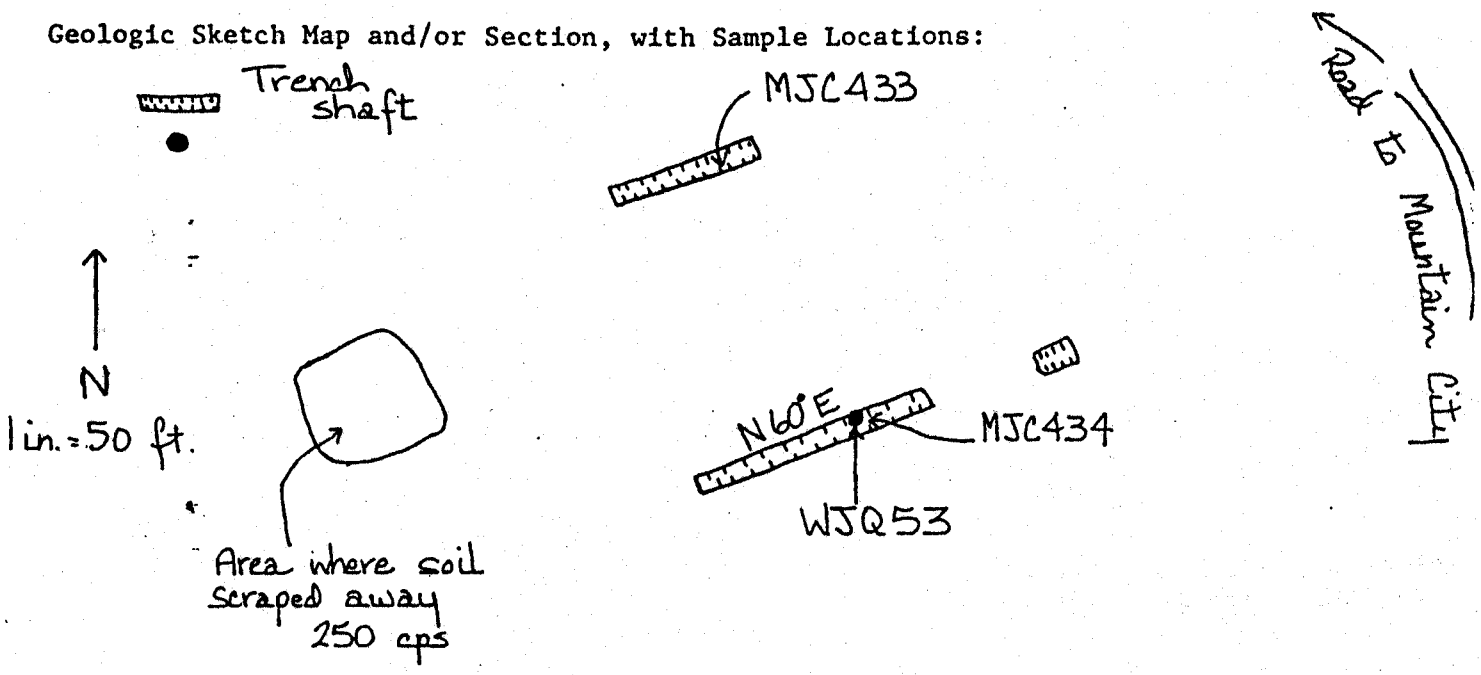
Deposit No. 6a (sec. 20)

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MJC433	Altered and hematite stained rhyolite from adjacent to shaft	162 ppm
MJC434	Hematite stained zone in rhyolite from trench to the N.W. of main trench	851 ppm
WJQ53	Water sample from water filled shaft	8 ppb

Geologic Sketch Map and/or Section, with Sample Locations:



References:

F1 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 1 pl., 121 p. >

F2 <

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F3 <

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F4 <

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