3260 0022

URANIUM-OCCURRENCE

REPORT

Quad Name A90< Wells Item 22 >

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

Deposit No. B40< 7 >

Deposit Name A10 < Hot Spot No. 1 Claim >

Synonym Name(s) A11 < Eddie No. 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 < 0.5 southwest of Mountain City between Hansen and Russel Gulches. >

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

Latitude A70 < 4,1 | 5,0 | 1,1 N > Longitude A80 < 1,1,5 | 5,8 | 2,8 W >
Deg Min Sec Deg Min Sec

Township A77 < 0,4,5 N > Range A78 < 0,5,3 E > Section A79 < 0,2 >
N/S E/W

FT/M

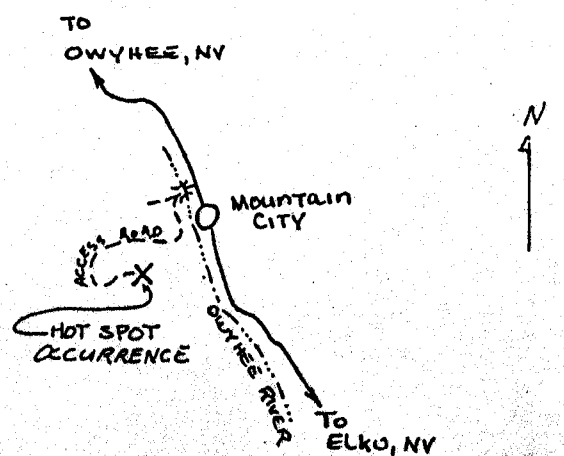
Meridian A81 < Mt. Diablo B & M > Altitude A107 < >

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

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

Location Comments A83 < 0.5 miles southwest of Mountain City, on the hill adjoining the rodeo grounds. >

Location Sketch Map:



BFE 1236
4/19/78

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Deposit No. 7

Commodities Present:
C10 < U >

Commodities Produced:
MAJOR < > COPROD < >

MINOR < > BYPROD < >

Potential Commodities:
POTEN < U > 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 < Exploration consists of several dozer trenches, numerous roads and three observed drill holes. >

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

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

Description of Workings M220< None >

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

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

Source of Information D9 < None >

Production Comments D10 < None >

Reserves and Potential Resources

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

Source of Information E7 < None >

Comments E8 < None >

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Deposit No. 7

Deposit Form/Shape M10 < Unknown. >

Length M40 < Unknown > M41 < > FT/M

Width M50 < Unknown > M51 < >

Thickness M60 < Unknown > M61 < >

Strike M70 < Unknown >

Dip M80 < Unknown >

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 < Northern edge of the Basin and Range. >

Local Structures N70 < Several faults striking northeasterly were seen in road cuts north of Mountain City. The prospect appears to be on the down side of a normal fault, as quartz monzonite outcrops to the east. The highly welded ash flow >*

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

Host Rock K1 < T,E,R,T, (Age) | Tuff, air fall, white to tan, alteration of (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) the tuff to clay, where in contact with the quartz monzonite, carbonaceous in part. >

Host-Rock Environment U3 < Volcanic, air fall/ash flow tuff. > (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < Overlying the air fall-ash flow sequence is the pyroxene andesite of Russel Gulch. >

Ore Minerals C30 < Autunite was observed in a small shear within the quartz monzonite. >

Gangue Minerals K4 < Secondary silica. >

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Alteration N75 < Silicification of lower tuffs, alteration of lowest tuff unit to clay, decomposition of the underlying quartz monzonite, alteration of iron-bearing minerals. >

Reductants U5 < Carbonaceous debris, clay. >

Analytical Data (General) C43 < None. >

Radiometric Data (General) U6 <2-1/2 times background (30 x 30 ft.), 7 times background (2 x 4 ft.), 9 times background (2 x 2 ft.). >
(No. times background and dimensions)

Ore Controls K5 < Uraniferous ground water migrated through the porous, grussy quartz monzonite and permeable tuffs and possible sandstones overlying the quartz monzonite. Channeling was probably controlled by a topographic low or channel. >

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

Comments on Geology N85 < >

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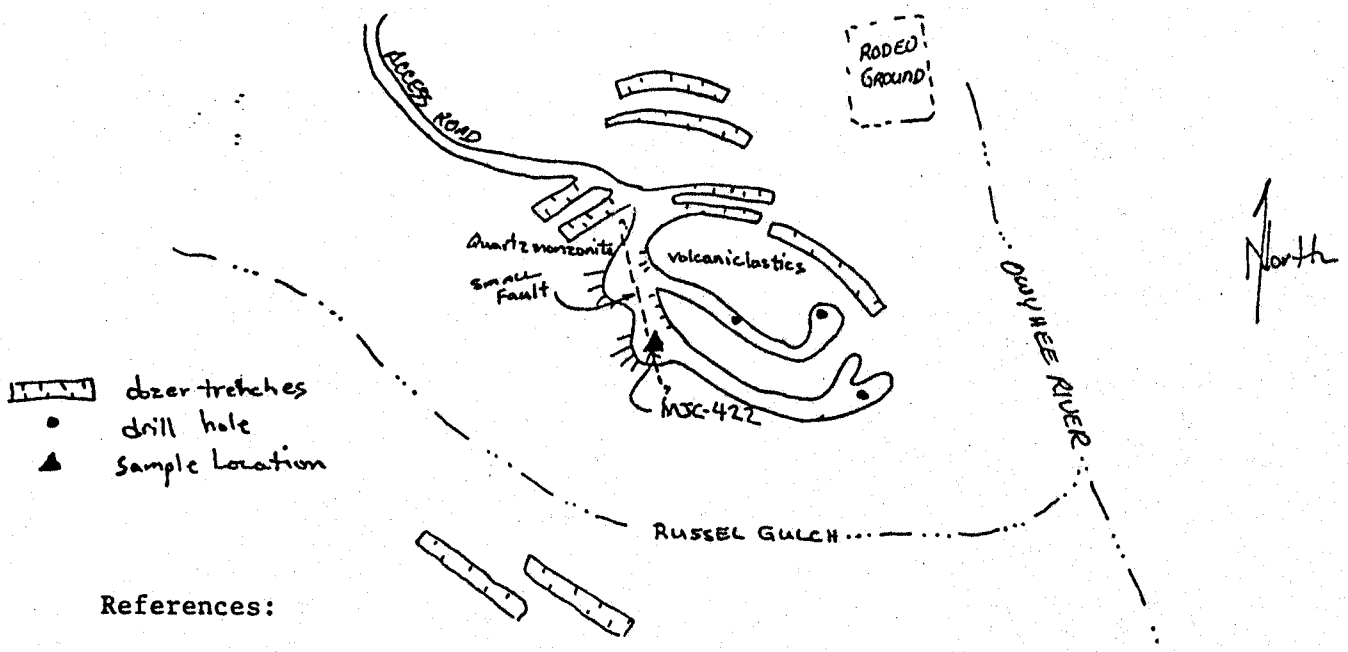
Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MJC-422	Clay, green, overlies the quartz monzonite.	489 ppm

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, 121 p. >

F2 < U. S. Atomic Energy Commission Preliminary Reconnaissance Report (PRR) SL-144, 1956 (open filed); Meehan, R.J. and Peterson, A., Hot Spot #1. >

F3 < >

F4 < >

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Continuation from p. 1-5:

Label

N70 < tuff or vitrophyre capping the prospect area is steeply dipping to the southeast. >