3260 0020

URANIUM-OCCURRENCE REPORT

Quad Name A90< WELLS Item 20 >

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

Deposit No. B40< 1 >

Deposit Name A10 < Rim Rock mine >

Synonym Name(s) A11 < None >

District or Area A30 < Mountain City >

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

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

Position from Prominent Locality A82 < 1.0 mile northeast of the Bieroth Ranch on the east side of Big Spring Creek. >

Field Checked G1 <|7,9|0,9|> (Yr Mo) By G2< Proffitt (Last name), Jerry (First) L. (Initial) >

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

Township A77 <|0,4,6|N|> (N/S) Range A78 <|0,5,4|E|> (E/W) Section A79 <|2,6|>

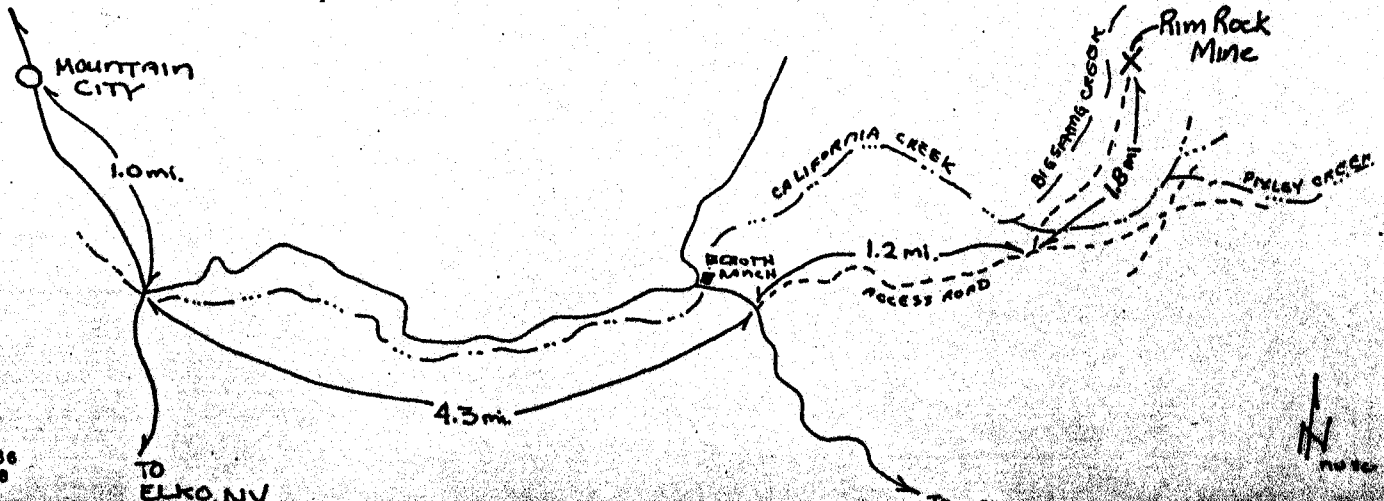
Meridian A81 < Mt. Diablo > Altitude A107 < 6750 FT > (FT/M)

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

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

Location Comments A83 < Proceed 1.0 mile south from Mountain City Standard Station then turn east on graded road for Sunflower Flat. Proceed 4.3 miles. Then, turn >

Location Sketch Map:



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Quad Name WELLS

Deposit No. 1

Commodities Present:
C10 <U>

Commodities Produced:
MAJOR <U> 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 <There has been no development on this property since it was mined during the 1950's. However, extensive drilling has >

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

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

Description of Workings M220< Initial workings consisted of one adit driven into the channel. The adit has been obliterated and presently only one small open-pit exists

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

DH2

	accuracy	thousands of lb.		years	grade
G7 <U>	<A,C,C>	G7A <0 0 0 0 4 2 4 0>	G7B<LB>	G7C< 19 >	G7D< 0.28 % U308>

Source of Information D9 < U.S. Bureau of Mines Yearbook, 1960. >

Production Comments D10 < Less than 786 tons of uranium ore was shipped in 1960 by Bagdanich Development Company. The Rim Rock produced 4240 lbs of U308. >

Reserves and Potential Resources

EH

	accuracy	thousands of lb.		year of est.	grade
E1 <U>	< >	E1A < >	E1B<LB>	E1C< >	E1D< % U308>

Source of Information E7 < >

Comments E8 < >

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Quad Name WELLS

Deposit No. 1

Deposit Form/Shape M10 < Lens-shaped deposit >

		FT/M		Size M15 (circle letter):
Length	M40 < UNK >	M41 < >		1b U308
Width	M50 < UNK >	M51 < >		
Thickness	M60 < UNK >	M61 < >		(A) 0 - 20,000
				B 20,000 - 200,000
Strike	M70 < UNK >			C 200,000 - 2 million
				D 2 million - 20 million
Dip	M80 < UNK >			E More than 20 million

Tectonic Setting N15 < Mobile Belt >

Major Regional Structures N5 < Northern edge of the Basin and Range province. >

Local Structures N70 < The channel is tilted at approximately 18° to the east. Several east-west high angle faults exist in the cut face at the mine location and offsets of up to 3 feet are present. A high-angle, north-south, normal > *

Host-FM. Name U1 < None > Member U2 < >

Host Rock K1 < E T E R T (Age) | b Sandstone, conglomeratic, light gray-white, (Rock type, texture, composition, color, arkosic, argillaceous, and carbonaceous in part; feldspars are commonly altered to alteration, attitude, geometry, structure, etc.) clay, biotites in part are hazy or etched, possible etching on quartz grains, trace weak limonitic staining and occasional hematitic staining; the channel in > *

Host-Rock Environment U3 < Sedimentary deposition environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < The underlying quartzmonzonite was not observed. A sequence of volcaniclastics consisting of ash flow and airfall tuffs and an autobrecciated mud flow or agglomerate overlies the host for the uranium mineralization. >

Ore Minerals C30 < Autunite was reported although none was observed. Sparse carbon trash did ... contain a yellow mineral in voids but this was determined to be sulphur >

Gangue Minerals K4 < Trace amounts of sulphur and gypsum with moderate amounts of silica. Heavy limonitic staining occurs on portions of the mine dump. >

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Deposit No. 1

Alteration N75 < Dominant alteration observed was that of feldspars to clay, devitrification of the overlying tuff unit to bentonite(?), and limonitic and hematitic staining. >

Reductants U5 < Clay; carbonaceous debris; iron, as evidenced by hematite staining; and possibly a gas or water chemical interface. >

Analytical Data (General) C43 < None. >

Radiometric Data (General) U6 < 2 times BG (20 x 100 ft), 15 times BG (3 x 5 ft). >
(No. times background and dimensions)

Ore Controls K5 < Permeable arkosic sediments and overlying volcaniclastics contai within a drainage channel cut on the quartz monzonite. >

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

Comments on Geology N85 <

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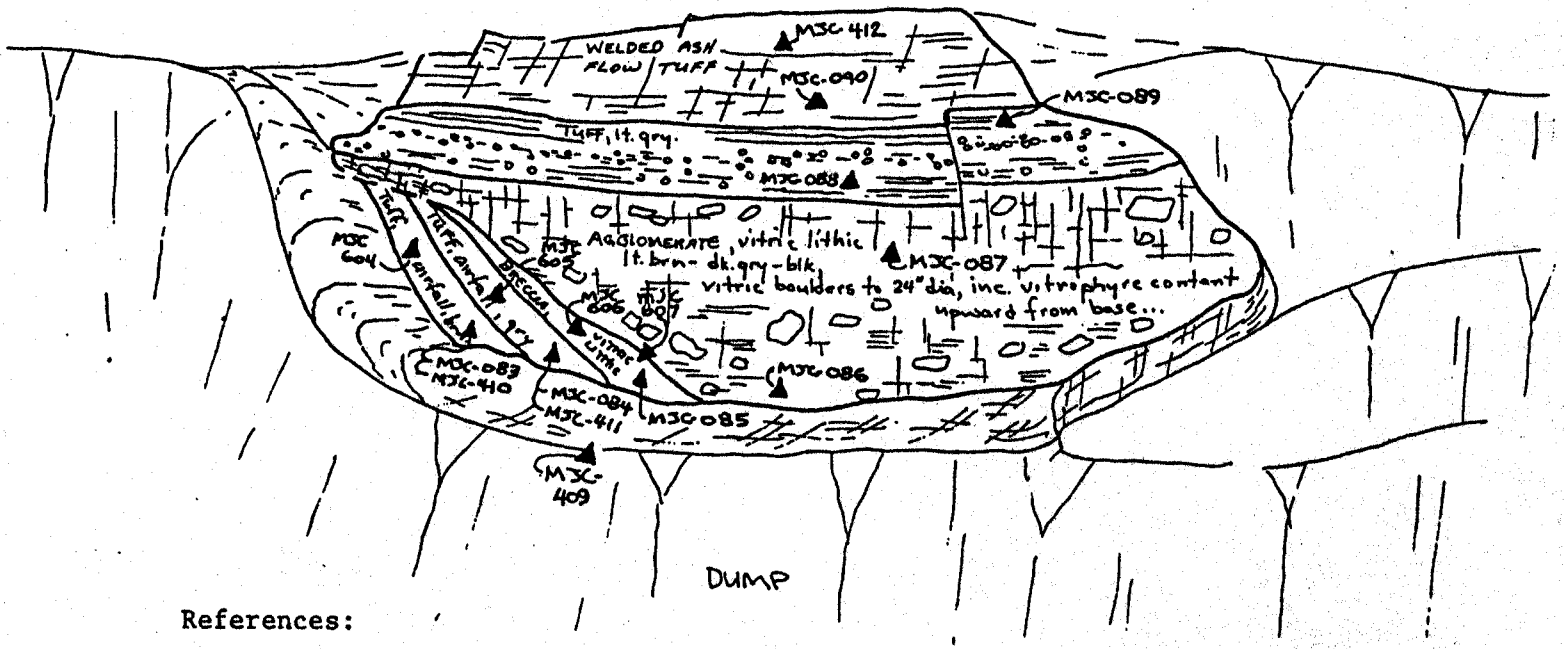
Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MJC 409	Tertiary arkose and volcanic rocks from dump, iron stained	99 ppm
MJC 410	Airfall tuff	8 ppm
MJC 411	Airfall tuff	6 ppm
MJC 412	Ash-flow tuff, welded lithic rich	6 ppm
MJC 083	Tuff, airfall, light brown, poorly bedded	6 ppm
MJC 084	Tuff, airfall, light gray, slight in duration	10 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. Bureau of Mines Minerals Yearbook, 1960. >

F3 < Birkholz, D. O., 1978, Uranium deposits in volcaniclastic rocks near Mountain City, Nevada: AAPG-SEPM Annual Convention, April, 1978, Oklahoma City, OK. >

F4 < >

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Quad Name: WELLS

Deposit No. 1

Continuation from p. 1-5:

Label

A83 < northerly on an unimproved road for 1.2 miles, then northerly for another 1.75 miles to the mine site. >

L110 < been accomplished on the eastern margin of this property by Pathfinder Mines Company. >

N70 < fault. 1800 feet east of the mine has a reported offset of 300 feet. >

K1 < outcrop trends N50E and plunges at 15-20 degrees to the northeast. >

URANIUM ANALYSES:

MJC 085	Breccia, vitric lithic, medium gray	13 ppm
MJC 086	Agglomerate, dark gray to light gray brown to black, tuffaceous, vitric	6 ppm
MJC 087	Agglomerate, dark gray to gray black, vitric lithic	8 ppm
MJC 088	Tuff, light gray, airfall(?), bedded	6 ppm
MJC 089	Tuff, light gray, airfall(?), bedded	5 ppm
MJC 090	Tuff, ash flow, welded, light gray to gray brown	11 ppm
MJC 604	Light gray airfall tuff	10 ppm
MJC 605	Light yellow lithic-rich ash-flow tuff	5 ppm
MJC 606	Vitric lithic fragments	7 ppm
MJC 607	Pumiceous lithic-rich tuff	6 ppm