0080 0019

Humboldt Co. General
Item 40

URANIUM-OCCURRENCE REPORT

Quad Name A90< VYA >

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

Deposit No. B40< 12 >

Deposit Name A10 < Cactus Claims 1-12 >

Synonym Name(s) A11 < >

District or Area A30 < Unorganized >

Country A40 < U,S > [U,S] State Nevada

State Code A50 < 3,2 > [3,2] County A60 < Humboldt >
(Enter code twice from List D)

Position from Prominent Locality A82 < 1-3/4 miles ENE of Flat Top Butte, 1/4 mile north of the highway 8A. >

Field Checked G1 < 8,0 | 1,0 > (Yr, Mo) By G2< Mitchell (Last name), Thomas (First) P. (Initial) >

Latitude A70 < 4,1 (Deg) 5,3 (Min) 0,7 (Sec) N > Longitude A80 < 1,1,9 (Deg) 0,4 (Min) 5,6 (Sec) W >

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

FT/M

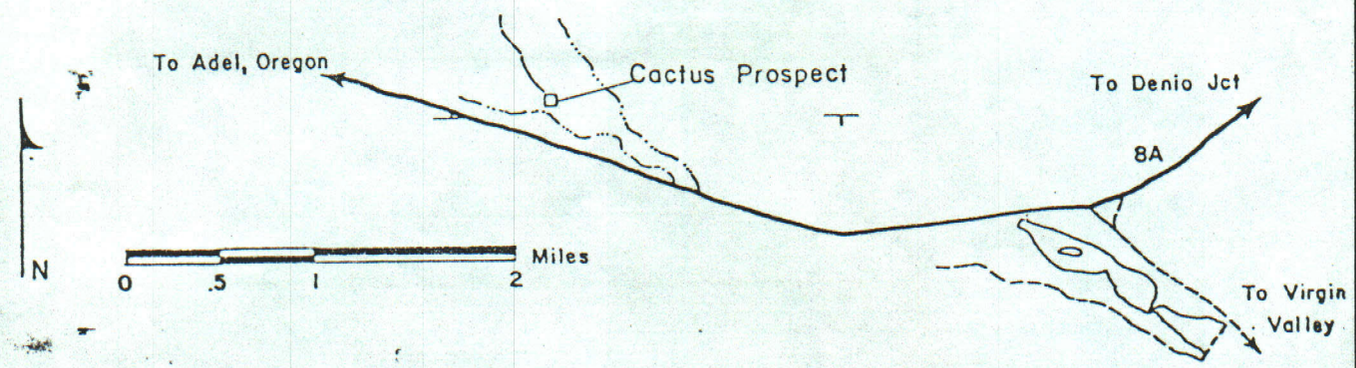
Meridian A81 < Mt. Diablo B & M > Altitude A107 < 5080 FT >

Quad Scale A91 < 6,2,5,0,0 > (7½' or 15' quad) Quad Name A92 < Big Spring Butte >

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

Location Comments A83 < Travel west from Virgin Valley turn-off approximately 2.9 miles to turn off-turn north for 1/4 mile, prospect is the small pit 30 yards to >*

Location Sketch Map:



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Quad Name VYA

Deposit No. 12

Commodities Present:
C10 <U>

Commodities Produced:
MAJOR < > COPROD < >
MINOR < > BYPROD < >

Potential Commodities:
POTEN < > OCCUR < >

Commodity Comments C50 < >

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

Comments on Exploration and Development L110 < >

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

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

Description of Workings M220< A small pit 4' x 6' x 3' deep. >

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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Deposit Form/Shape M10 < A point anomaly. >

	FT/M		FT/M
Length M40	< >	M41	< >
Width M50	< >	M51	< >
Thickness M60	< >	M61	< >
Strike M70	< >		
Dip M80	< >		

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 <The infered caldera at Virgin Valley could have its ring fault system near here, now covered with Canyon Rhyolite and Sediments. >

Local Structures N70 < Pressure ridges of the Canyon Rhyolite-flow. >

Host-FM. Name U1 < Canyon Rhyolite > Member U2 < >

Host Rock K1 < | (Age) | Rhyolite flow, perlitic with spherulitic, devitrification. (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.) >

Host-Rock Environment U3 < Rhyolite flow with overlying sediment >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 <This is at the contact between the Canyon Rhyolite and the overlying sedimentary section. >

Ore Minerals C30 < >

Gangue Minerals K4 < >

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Alteration N75 < Minor silicification. >

Reductants U5 < None observed. >

Analytical Data (General) C43 < >

Radiometric Data (General) U6 < 5 times BG in a small (less than 1 meter square
(No. times background and dimensions)
area) 2 times BG in area of pit (2 meters square). >

Ore Controls K5 < >

Deposit Class C40 < Volcanogenic? > Class No. U7 < >

Comments on Geology N85 < This occurrence is stratigraphly located at the base of the Tertiary sediments atop the Canyon Rhyolite. To the south, in Virgin Valley, uraniferrus opal beds occur in the lower part of the same sedimentary sequence. >

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Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MES-185	"High Grade" grab sample - rhyolite	250 ppm U308
MES-186	Bulk sample from pit, representative	12 ppm U308
MES-187	Silicified crystal-poor rhyolite	9 ppm U308
MES-047	Canyon Rhyolite	3 ppm U308
MES-312	Canyon Rhyolite?	8 ppm U308
MES-313	Canyon Rhyolite?	7 ppm U308 *

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, p. 59.>

F2 <Twitchell, C. L., 1955, Cactus Claims 1-12 Preliminary Reconnaissance Report: U.S. Atomic Energy Commission, File R-45.>

F3 <>

F4 <>

URANIUM-OCCURRENCE REPORT

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Deposit No. 12

Continuation from p. 1-5:

Label

A83 <the east of the road.>

URANIUM ANALYSES: (con't)

MES-061 Tuffaceous Seds in area 8 ppm U308.

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