5330 0006

Item 6

URANIUM-OCCURRENCE

REPORT

Quad Name A90< Lovelock >

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

Deposit No. B40< 18 >

Deposit Name A10 < Long Mine >

Synonym Name(s) A11 < Long Lease, Long Tungsten Mine >

District or Area A30 < Wildhorse >

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

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

Position from Prominent Locality A82 < 7.3 miles southeast of Lovelock, Nevada.
1.85 miles northwest of Wildhorse Peak. >

Field Checked G1 < 7,8 | 8 > By G2< Smouse , DeForrest >
Yr Mo Last name First Initial

Latitude A70 < 4,0 | 0,4 | 4,9, N > Longitude A80 < 1,1,8 | 2,3 | 1,5, W >
Deg Min Sec Deg Min Sec

Township A77 < 2,6 N > Range A78 < 3,2 E > Section A79 < 3,3 >
N/S E/W

FT/M

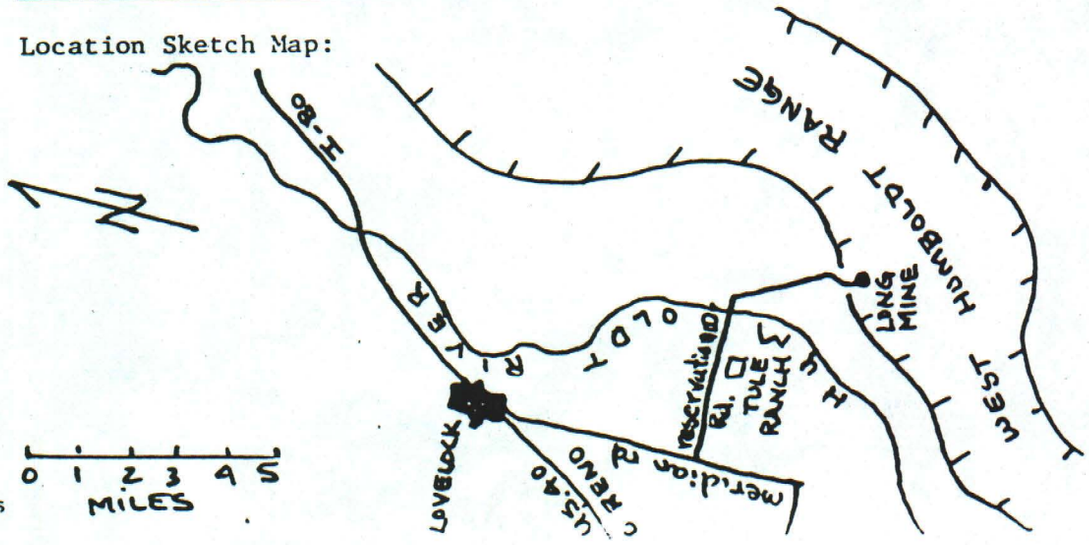
Meridian A81 < Mount Diablo > Altitude A107 < 4420 Ft. >

Quad Scale A91 < 6,2,5,0,0 > Quad Name A92 < Lovelock, Nev. >
(7½' or 15' quad)

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

Location Comments A83 < Reservation Road Past the Tule Ranch across the Humboldt River then SSE on main road to mine workings. >

Location Sketch Map:



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URANIUM-OCCURRENCE REPORT

Quad Name Lovelock

Deposit No. 18

Commodities Present:
C10 M O U

Commodities Produced:
MAJOR W COPROD
MINOR BYPROD

Potential Commodities:
POTEN W OCCUR U

Commodity Comments C50 < Uranium is present in very irregular spotty occurrences in a scheelite bearing tactite zone >

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

Comments on Exploration and Development L110 < Extensive old workings for tungsten are currently being unopened >

Prospecting A21 (Active) A22 (Inactive) (Circle appropriate levels)

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

Description of Workings M220< 400 feet of irregular drifts, stopes and a caved shaft. >

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

DH2 accuracy thousands of lb. years grade
G7< > 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< > E1A< > E1B<LB> E1C< > E1D< % U3O8>

Source of Information E7 < >

Comments E8 < The uranium is too low grade and irregularly dispersed to be economically mined >

URANIUM-OCCURRENCE REPORT

Quad Name Lovelock

Deposit No. 18

Deposit Form/Shape M10 < Irregular Dissemination >

Length M40 < > M41 < FT/M >

Width M50 < > M51 < >

Thickness M60 < > M61 < >

Strike M70 < >

Dip M80 < >

Size M15 (circle letter):

lb 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 < Central part of eugeosynclinal portion of basin and range of Nevada >

Local Structures N70 < Assymetrical syncline in metasediments in roof pendant surrounded by quartz monzonite >

Host-FM. Name U1 < Auld Lang Syne Group > Member U2 < >

Host Rock K1 < J U R | Ø | Brown stained skarn, bedding replacement of limey units in agrillaceous meta-sediments. >
(Age) (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Lime garnet sparcely present. >

Host-Rock Environment U3 < Hornfels facies, contact metasomatic >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < Granodiorite (quartz monzonite) and dark green to black argillites. >

Ore Minerals C30 < Scheelite, molybdenite, uraninite, allanite >

Gangue Minerals K4 < Lime garnet, epidote, calcite >

BFE 1236
4 9 79

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Deposit No. 18

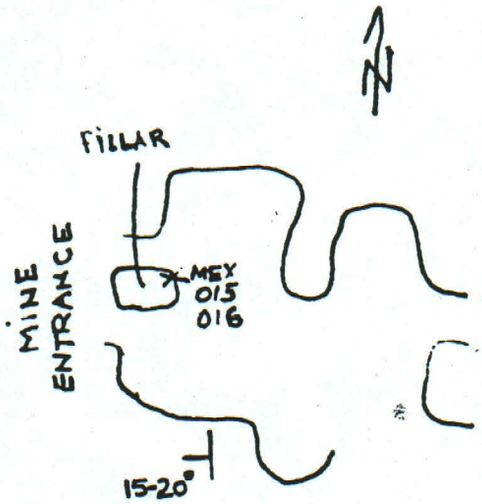
Uranium Analyses:

Sample No.	Sample Description	Chem. cU_3O_8 Uranium Analysis (ppm)
MEX 015	Heavily oxidized skarn zone/abundant limonite	106.0
MEX 016	Granitic rock chill zone/iron stained	8.0

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

PLAN MAP

BEDDING DIPS 15-20° WESTERLY. SAMPLE IS FROM FACE OF PILLAR.



References:

F1 < AEC Preliminary Reconnaissance Report 3737, 3737a Open File. >

F2 < Garside, L. J., 1973, Radioactive Mineral Occurrences in Nevada, Nevada Bur Mines and Geol: Bull 81. >

F3 < Johnson, M. G., 1977, Geology and Mineral Deposits of Pershing County, Nevada, Nevada Bur Mines and Geol: Bull 89. >

F4 < >