

OFFICE USE ONLY  
 Log No. 37550  
 Permit No. 55811  
 Basin 101791

WELL DRILLER'S REPORT

Please complete this form in its entirety

NOTICE OF INTENT NO. 18603

PRINT OR TYPE ONLY

1. OWNER Kennecott Nevada Mines Division ADDRESS AT WELL LOCATION RG Ruth Mines  
 MAILING ADDRESS McGILL NV

2. LOCATION NE 1/4 NW 1/4 Sec 9 T 16 N/S R. 62 E White Pine County

PERMIT NO. 416892 Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK  
 New Well  Recondition   
 Deepen  Other   
 4. PROPOSED USE  
 Domestic  Irrigation   
 Municipal  Industrial   
 5. TYPE WELL  
 Test  Cable  Rotary   
 Stock  Other  MONITORING

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<i>abandoned log see attached 89</i>				
STATE ENGINEERS OFFICE				

8. WELL CONSTRUCTION  
 Diameter.....inches Total depth 711 feet  
 .....inches  
 .....inches  
 Casing record.....  
 Weight per foot..... Thickness.....  
 Diameter From To  
 .....inches .....feet .....feet  
 Surface seal: Yes  No  Type.....  
 Depth of seal.....feet  
 Gravel packed: Yes  No   
 Gravel packed from.....feet to.....feet  
 Perforations:  
 Type perforation.....  
 Size perforation.....  
 From.....feet to.....feet  
 From.....feet to.....feet  
 From.....feet to.....feet  
 From.....feet to.....feet  
 From.....feet to.....feet

Date started 9/10, 19.....  
 Date completed 9/15, 19 89

9. WATER LEVEL  
 Static water level.....feet below land surface  
 Flow.....G.P.M.....P.S.I.  
 Water temperature.....°F Quality.....

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump

10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.  
 Name RD Reynolds Drilling  
 Address PO Box 402 Wells NV  
 Nevada contractor's license number issued by the State Contractor's Board 014410  
 Nevada contractor's driller's number issued by the Division of Water Resources 1390  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1390  
 Signed [Signature]  
 Date.....  
 By driller performing actual drilling on site or contractor

BAILER TEST  
 G.P.M. Draw down.....feet .....hours  
 G.P.M. Draw down.....feet .....hours  
 G.P.M. Draw down.....feet .....hours

# PRELIMINARY DRAFT

**GEOLOGIC LOG: WELL R-G**

Depth (in feet)

from to

0	3	Fill, sand and gravel, light gray to white.
3	6	Caliche, light gray to white.
6	10	Shale, variegated, soft, fissile and moist, light pinkish gray to olive gray.
20	35	Grades with occasional zones of iron oxide.
35	55	Siltstone, argillaceous, soft, possibly a gossan, dark maroon red.
55	70	Grades with interbeds of dolomitic marble, coarsely crystallized, light orange brown.
70	90	Dolomitic marble, coarsely crystalline, light yellowish tan to white.
90	125	Dolomite, very fine-grained, dark gray, interbedded with thin beds of crystalline dolomitic marble.
125	145	Shale, dark gray, fissile, minor iron staining, dark gray.
145	165	Dolomitic marble, coarsely crystalline light yellowish tan to white.
165	195	Grades with some void spaces and occasional zones of conglomerate comprised of dolomite pebbles and some of iron staining.
195	215	Dolomite, very weathered, frequent void spaces, very fine grained, medium gray to white.
215	225	Dolomitic marble, very weathered and fine-grained with thin interbeds of fine-grained limestone, medium to dark brown.
225	235	Grades less weathered to fresh.
235	255	Dolomitic marble, very fine to medium-grained, white to light gray. Methane smell from 235 to 260.
255	275	Grades slightly coarser.
275	295	Grades weathered with small voids.
295	315	Dolomite, very fine to medium-grained, white to light yellow.
315	335	Conglomerate, composed of dolomite, light to medium gray and dolomite matrix in a matrix of light gray to light brown clay limestone.
335	355	Dolomitic marble, very fine to medium-grained, white to light yellow to white.
355	375	Shale, soft to moderately hard, block with parting, on fresh surfaces weathering dark pinkish gray, interbedded with thin layers of dolomitic marble, white to tan.
375	395	Sandstone, very fine-grained, dark reddish gray.
395	415	Dolomite, fine-grained, crystalline, hard, dark gray.
415	435	Dolomitic marble, fine-grained, white to light yellow.
435	455	Dolomite, very fine to medium-grained, medium to dark gray.
455	475	Dolomitic marble, fine-grained, white to pink.
475	495	Shale, blocky, dark, fine-grained, medium gray.
495	515	Shale, argillaceous, blocky, clay zones, soft, light gray to black.
515	535	Shale, blocky, dark gray to dark gray.
535	555	Dolomite, fine-grained with thin interbeds of limestone, dark gray to black, weathered to dark shale.
555	575	Shale, blocky, blocky, medium to dark gray with reddish gray case.

REMARKS: Boring was drilled to 711 feet without encountering ground water. Boring caved back at 37 feet below grade, and was drilled out to 702 feet below grade using a cable tool drilling rig without encountering water. Boring was subsequently abandoned.

BORING ABANDONMENT DATA:

WELL R-G

Location: Township & Range Coordinates: NE1/4, NW1/4, NE1/4  
of Sec.9, T.16N, R.62E .

Kennecott Coordinates: N. . E. .

Abandonment Date: 9/15/89

Drilling Co: R.D. Reynolds Drilling Co.

Drilling Method: Air Rotary

Drilling Fluid: Water, foam.

Boring: Diameter:10 inch. Depth: 711 feet.

Grout Seal: type: Neat cement with 4% Bentonite  
Depth: from 0 to 711 feet.

COMMENTS: Boring was grouted and abandoned in accordance with State water well rules and regulations.

2100

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