

OFFICE USE ONLY
 Log No. 32113
 Permit No. 51802-58213
 Basin 3-37 Owyhee River Area
 9020

Well #5

WELL DRILLER'S REPORT

Please complete this form in its entirety

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. _____

1. OWNER Freeport-McMoRan Gold Company ADDRESS AT WELL LOCATION Big Springs Project - 55 miles North Elko
 MAILING ADDRESS Mountain City Star Route
Elko, Nevada 89801

2. LOCATION N 1/4 SE 1/4 Sec. 30 T. 43 N/S R. 55 E. Elko County
 PERMIT NO. 51802 Issued by Water Resources Parcel No. Subdivision Name

3. TYPE OF WORK
 New Well Recondition
 Deepen Other

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock Other

5. TYPE WELL
 Cable Rotary
 Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
clay & gravel		0	15	15
silty clay w/broken rock		15	95	80
40% clay/60% course sand to fine gravel		95	120	25
60% clay/40% course sand to fine gravel		120	135	15
course sand & gravel w/trace clay		135	168	33
clay w/trace of sand		168	176	8
course sand & gravel		176	205	29
sand & clay layers		205	225	20
clay w/trace sand		225	320	95
silt & very fine sand		320	345	25
silty clay & silt stone		345	352	7
volcanic layers of rock & sand		352	405	53
volcanic rock & clay hard		405	440	35

8. WELL CONSTRUCTION
 Diameter 8 inches Total depth 440 feet
 Casing record 8-5/8 x 1/4
 Weight per foot 22.36 Thickness
 Diameter From To
8 inches +1 feet 410 feet
 Surface seal: Yes No Type cement grout
 Depth of seal 51 feet
 Gravel packed: Yes No
 Gravel packed from 57 feet to 440 feet

Perforations:
 Type perforation Roscoe Mos Slot
 Size perforation .050
 From 90 feet to 130 feet screen
 From 130 feet to 150 feet perf
 From 150 feet to 160 feet screen
 From 170 feet to 220 feet screen
 From 280 feet to 340 feet screen
360 400 screen

Date started June 13, 19 89
 Date completed June 24, 19 89

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
2050	152	185	24

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

9. WATER LEVEL
 Static water level 74 feet below land surface
 Flow _____ G.P.M. P.S.I.
 Water temperature cold °F Quality good

10. DRILLER'S CERTIFICATION
 This well was drilled under my supervision and the report is true to the best of my knowledge.
 Name Sargent Irrigation Company
 Contractor
 Address P.O. Box 2646, Elko, Nevada 89801
 Contractor
 Nevada contractor's license number 21246
 issued by the State Contractor's Board
 Nevada contractor's driller's number 1391
 issued by the Division of Water Resources
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller 541
 Signed [Signature]
 By driller performing actual drilling on site or contractor
 Date July 13, 1989