WHITE—DIVISION OF WATER RESOURCES
CANARY—CLIENT'S COPY
PINK—WELL DRILLER'S COPY

#2 #1

PRINT OR TYPE ONLY

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLERS REPORT

Please complete this form in its entirety

OFFICE USE ONLY
Log No. 28891
Permit No.
Basin 3-37

I

NOTICE OF INTENT NO.

1. OWNER Freeport McMoRan Gold Corp.
MAILING ADDRESS c/o Kennedy/Jenks/Chilton
421 Court St., Elko, Nv. 89801

ADDRESS AT WELL LOCATION
Big Springs

2. LOCATION NW ¼ NW ¼ Sec. 3 T. 42 N R. 54 E Elko County

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

3. Abandon TYPE OF WORK
New Well ☐ Recondition ☐
Deepen ☐ Other ☐

4. PROPOSED USE
Domestic ☐ Irrigation ☐ Test ☒
Municipal ☐ Industrial ☐ Stock ☐

5. TYPE WELL
Cable ☐ Rotary ☐
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Started 4/8/87 Complete 4/23/87				
Moved off 6/8/87				
T.D. 440				
Set up 8/8/87 to abandon S.W.L. 104'				
T.D. 439'				
8/10/87 circulated mud Mud vis. 75 sec.				
Circulation time 7 hrs.				
Gravel chute clean to 88 ft.				
filled with neat cement				
plugged to 50' with 27 cubic ft. neat cement				
Completed 8/12/87				
Completion Log # 28891				

Date started ....., 19....
Date completed ....., 19....

7. WELL TEST DATA

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

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

8. WELL CONSTRUCTION
Diameter hole ..... inches Total depth ..... feet
Casing record .....
Weight per foot ..... Thickness .....

Diameter	From	To
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... inches	..... feet	..... feet
..... 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

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

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name THOMPSON DRILLING CO., INC.
Contractor
Address 4185 West Harmon Las Vegas, Nevada 89103
Contractor

Nevada contractor's license number 4286A

Nevada contractor's drillers number 290

Nevada driller's license number 856 (Griffiths)
Actual Driller

Signed Richard K. Thompson
Contractor

Date August 25, 1987

USE ADDITIONAL SHEETS IF NECESSARY

(Rev. 6-81) O-627 CR434

TEST WELL NO. 1 - Plugging and Abandonment Procedure

Thompson Drilling Company attempted to deepen Test Well No. 1 (originally drilled and completed by Sargent Irrigation Company for Freeport-McMoRan Gold Company). The test well, located in the NW1/4 NW1/4 Section 3, T.42N., R.54E., MDM, was drilled under application no. 50672, waiver to drill C-30 issued by the Nevada State Engineer April 1, 1987.

The casing end plate was drilled out and the gravel pack material circulated out of the hole using an air foam medium. It was not possible to deepen the hole, and the rig was moved off site on JUne 8th, 1987. The test hole was left filled with a bentonite based drilling fluid at a depth of 439 feet below the ground level.

Thompson Drilling Company remobilized over the hole on Aug. 8, 1987, 1987 and plugged and abandoned the hole as follows:

1) Fluid level measured at 104 feet below ground level.

2) Entered hole with drill pipe, tagged bottom of hole at 439 feet and pulled up 5 feet.

3) Began circulating mud and increasing to a uniform viscosity of between 55 and 60 seconds. (Mud weight measured at 9.8 pounds per gallon.) Circulated for 7 hours.

4) Pulled drill pipe out of hole and cleaned gravel chute.

5) Set casing plug at 50' depth.

6) Tripped in with 2"Ø galvanized steel threaded and coupled grout pipe to 47 feet depth and pumped a neat cement mixture to the top of casing, displacing the drilling fluid. The estimated quantity of neat cement pumped, 27 cubic feet.

7) Poured included in above / cubic feet of neat cement down the gravel chute to seal it off.

8) Abandonment completed and rig moved off site Aug. 12, 1987.