K-2P

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

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

STATE OF NEVADA
DIVISION OF WATER RESOURCES

# WELL DRILLER'S REPORT

**Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340**

OFFICE USE ONLY
Log No. 379611
Permit No.
Basin 179

NOTICE OF INTENT NO. 18301

1. OWNER MAGMA NEVADA MINING CO.
MAILING ADDRESS 7400 N. ORACLE RD., STE. #200
TUCSON, AZ 85704

ADDRESS AT WELL LOCATION
MAGMA NEVADA MINE NEAR RUTH, NEVADA

2. LOCATION SW ¼ SW ¼ Sec. 2 T. 16 N/S R. 62 E. WHITE PINE County
PERMIT NO. 55910 (Issued by Water Resources) | N/A (Parcel No.) | N/A (Subdivision Name)

3. WORK PERFORMED
[X] New Well [ ] Replace [ ] Recondition
[ ] Deepen [ ] Abandon [ ] Other

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Test
[X] Municipal/Industrial [ ] Monitor [ ] Stock

5. WELL TYPE
[ ] Cable [ ] Rotary [X] RVC
[ ] Air [ ] Other

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thickness |
|---|---|---|---|---|
| WHITE FELSIC TUFF | | 0 | 25 | 25 |
| BLACK-RED SANDSTONE & CLAY | | 25 | 90 | 65 |
| LIMESTONE & CLAY | | 90 | 110 | 20 |
| SILTY LIMESTONE | | 110 | 180 | 70 |
| LIGHT GRAY FRACTURED LIMESTONE | | 180 | 190 | 10 |
| RED CLAY | | 190 | 200 | 10 |
| LIMESTONE & CLAY | X | 200 | 380 | 180 |
| CLAY | | 380 | 390 | 10 |
| LIMESTONE WITH FINE | X | 390 | | |
| GRAINED SAND | | | 1,032 | 642 |
| BLACK SHALE | | 1,032 | 1,143 | 11 |

RECEIVED JAN 14 '92 AM 10 40 STATE ENGINEER'S OFFICE

Date started SEPTEMBER 22, 19 91
Date completed NOVEMBER 2, 19 91

7. WELL TEST DATA
TEST METHOD: [ ] Bailer [X] Pump [ ] Air Lift

| G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|
| 600 | 10.13 | 3 |
| 1,000 | 27.0 | 3 |
| 1,500 | 84.17 | 12 (DAYS) |

8. WELL CONSTRUCTION
Depth Drilled 1,143 Feet Depth Cased 1,136 Feet

HOLE DIAMETER (BIT SIZE)

| | | From | To |
|---|---|---|---|
| 31 Inches | | 0 Feet | 53 Feet |
| 20 ½ Inches | | 53 Feet | 1,143 Feet |
| Inches | | Feet | Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 24 | 95 | .375 | 0 | 53 |
| 14 | 55 | .375 | 0 | 335 |
| 14 | 55 | .375 | 1,112 | 1,136 |

Perforations:
Type perforation SLOTTED CASING & SCREEN
Size perforation 1/8" X 3" SLOT & .100 WIRE WRAP
From 335 feet to 1,112 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: [X] Yes [ ] No
Depth of Seal 53
Placement Method: [X] Pumped [ ] Poured
Seal Type: [X] Neat Cement [ ] Cement Grout [ ] Concrete Grout

Gravel Packed: [X] Yes [ ] No
From 0 feet to 1,143 feet

9. WATER LEVEL
Static water level 243 feet below land surface
Artesian flow N/A G.P.M. N/A P.S.I.
Water temperature °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name LANG EXPLORATORY DRILLING (Contractor)
Address 2286 WEST 1500 SOUTH (Contractor)
SALT LAKE CITY, UT 84104
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1388
Signed Gene Nagel (By driller performing actual drilling on site or contractor)
Date DECEMBER 31, 1991

(Rev. 3-91)

USE ADDITIONAL SHEETS IF NECESSARY