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. 85237
Permit No.
Basin 121-A

WW-4
NOTICE OF INTENT NO. 47441

1. OWNER HOMESTAKE MINING CO.
MAILING ADDRESS P.O. BOX 89
GRANTS, NEW MEXICO 87020

ADDRESS AT WELL LOCATION LUNING, NEVADA

2. LOCATION NW ¼ NW ¼ Sec. 3 T. 8 N/S R. 34 E. MINERAL County

PERMIT NO. 53187 55062-T (Issued by Water Resources) | Parcel No. | Subdivision Name

3. WORK PERFORMED
☐ New Well ☐ Replace ☐ Recondition
☐ Deepen XX Abandon ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
XX Municipal/Industrial ☐ Monitor ☐ Stock

5. WELL TYPE
☐ Cable XX Rotary ☐ RVC
☐ Air ☐ Other

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thickness |
|---|---|---|---|---|
| WELL WW-4 | | | | |
| CASED & SEALED TO 57' FT WITH 18" CASING BY SARGENT IRRIGATION. | | | | |
| PULLED PUMP OUT FROM 1160' FT | | | | |
| PERFORATED 12" CASING FROM 780' FT TO 843' FT. | | | | |
| SIX ROWS OF PERFORATIONS 1/4 x 1" ONE INCH APART. | | | | |
| PUMPED 5 YARDS OF NEAT CEMENT FROM 1117' FT BACK TO 990' FT AND LET SET 6 HOURS. | | | | |
| THEN MIXED & PUMPED 12 YARDS OF 14% BENTONITE GROUTE FROM 990' FT UP TO 780' FT. | | | | |
| SET PLUG AT 25' FT AND PUMPED NEAT CEMENT TO SEAL TOP 25' FT. | | | | |

Date started NOVEMBER 1, 2001, 19
Date completed NOVEMBER 6, 2001, 19

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

| | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|---|
| | | | |

8. WELL CONSTRUCTION
Depth Drilled 1117' Feet Depth Cased 1117' Feet

HOLE DIAMETER (BIT SIZE)
From To
Inches Feet Feet
Inches Feet Feet
Inches Feet Feet

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 12 3/4 | | .250 | +1 | 1117' |

Perforations:
Type perforation HOLT PERFORATOR
Size perforation 1/4 x 1" ONE INCH APART
From feet to feet
From 780' feet to 843' feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☐ Yes ☐ No
Depth of Seal
Placement Method: XX Pumped ☐ Poured
Gravel Packed: ☐ Yes ☐ No
From feet to feet

Seal Type:
XX Neat Cement
☐ Cement Grout
☐ Concrete Grout
XX Bentonite Groute

9. WATER LEVEL
Static water level 845' feet below land surface
Artesian flow G.P.M. 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 LEACH DRILLING, INC.
Contractor
Address P.O. BOX 599
Contractor
SILVER SPRINGS, NV. 89429

Nevada contractor's license number issued by the State Contractor's Board 0031841

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1876 & 1740

Signed [signature]
By driller performing actual drilling on site or contractor

Date Nov 28/01

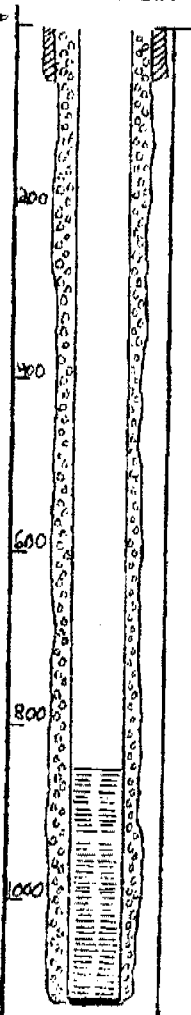
(Rev. 3-91) USE ADDITIONAL SHEETS IF NECESSARY (O)-627

WW-4

# WELL CONSTRUCTION SUMMARY

LOCATION or COORDS: NW 1/4 NW 1/4 SECTION 3, T.8N., R.34E

ELEVATION: GROUND LEVEL APPROX 5200 FT
TOP OF CASING




LOCATION SANTA FE MINE, LUNING, NEV.
PERSONNEL
PROJECT CORONA GOLD, INC.

## DRILLING SUMMARY:

TOTAL DEPTH 1,117 FEET
BOREHOLE DIAMETER 17 1/2 - INCH
DRILLER SARGENT IRRIGATION
RIG FAILING 3000
BIT(S) TRICONE BUTTON
DRILLING FLUID BENTONITE / POLYMER
SURFACE CASING 18-INCH, +1 TO 57 FT.

## WELL DESIGN:

BASIS: GEOLOGIC LOG X GEOPHYSICAL LOG X
CASING STRING(S): C=CASING S=SCREEN

| | | | |
|---|---|---|---|
| +2 | 843 | C1 | |
| 843 | 1113 | S1 | |
| 1113 | 1117 | C1 | |

CASING: C1 12-INCH X 0.25-INCH BLANK
C2
C3
C4
SCREEN: S1 12-INCH X 0.25-INCH FULL
S2 FLOW LOUVER
S3
S4
CENTRALIZERS AT 1117 FEET
FILTER MATERIAL 1/4 x 3/8-INCH, 38 YARDS WADSWORTH TYPE
CEMENT 0 TO 57 FEET CEMENT SEAL
OTHER CEMENT PLUG FROM 1113-1117 FT

## CONSTRUCTION TIME LOG:

| TASK | START DATE | START TIME | FINISH DATE | FINISH TIME |
|---|---|---|---|---|
| DRILLING: | | | | |
| 24-INCH | 11/29 | 0730 | 11/29 | 2015 |
| 17 1/2-INCH | 12/1 | 0730 | 12/11 | 1830 |
| GEOPHYS. LOGGING: | 12/12 | 1100 | 12/12 | 1300 |
| CASING: | | | | |
| CONDUCTOR | 11/30 | 0800 | 11/30 | 0830 |
| 12-INCH | 12/12 | 1300 | 12/12 | 1730 |
| FILTER PLACEMENT: | 12/12 | 1730 | 12/13 | 0100 |
| CEMENTING: | | | | |
| DEVELOPMENT: | 12/13 | 0750 | 12/15 | 1530 |
| OTHER: | | | | |

## WELL DEVELOPMENT

REVERSE CIRCULATED DRILLING FLUID OUT OF WELL. INJECTED 300 POUNDS (SAPP) + SWABBED. BAILED WELL TO REMOVE ACID + DRILLING FLUID.

## COMMENTS:

Static 865'

HYDRO-SEARCH RENO•DENVER•AUSTIN CONSULTING HYDROLOGISTS-GEOLOGISTS