

OFFICE USE ONLY  
 Log No. 37582  
 Permit No. \_\_\_\_\_  
 Basin 54

PRINT OR TYPE ONLY  
 DO NOT WRITE ON BACK

WELL DRILLER'S REPORT

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

NOTICE OF INTENT NO. 18669

1. OWNER Cortez Gold Mines ADDRESS AT WELL LOCATION Cortez Gold Mines  
 MAILING ADDRESS Cortez, NV 89821 Cortez, NV 89821

2. LOCATION SE 1/4 SE 1/4 Sec 13 T 27 N 37 R 47 E Lander County  
 PERMIT NO. M/O-207-A Issued by Water Resources Parcel No. \_\_\_\_\_  
 Subdivision Name Dual Completion #2

3. WORK PERFORMED  
 New Well  Replace  Recondition  
 Deepen  Abandon  Other \_\_\_\_\_

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

5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other Auger

6. LITHOLOGIC LOG

| Material                    | Water Strata | From | To | Thickness |
|-----------------------------|--------------|------|----|-----------|
| Sandy silt                  | SM           | 0    | 3  | 3         |
| Silty gravel                | SM           | 3    | 5  | 2         |
| Silty-Clayey sand           | SM           | 5    | 9  | 4         |
| Sandy silt                  | SM           | 9    | 14 | 5         |
| Silty sand                  | M            | 14   | 18 | 4         |
| Silty-Clayey sand w/gravels | M            | 18   | 29 | 11        |
| Sandy clay                  | M            | 29   | 30 | 1         |

Note: D = Dry  
 SM = Slightly moist  
 M = Moist  
 VW = Very moist  
 W = Wet

Note: Hole drilled with CME-55 drilling rig. Hole advance with hollow stem auger.

8. WELL CONSTRUCTION  
 Depth Drilled 30 Feet Depth Cased 28.2 Feet

HOLE DIAMETER (BIT SIZE)  
 From To  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
7 Inches 0 Feet 30 Feet  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|-------------|-----------|
| 2.375              | 0.88                | 0.218                   | +2          | 8         |
| 2.375              | 0.88                | 0.218                   | 23          | 28.2      |
| 6.56               | 18.97               | 0.280                   | +2          | 2         |

Perforations:  
 Type perforation Machine slot SCH 80 PVC  
 Size perforation 0.020 inch  
 From 8 feet to 23 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 6.25 ft.  Neat Cement  
 Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout  
#8-12 Sand Bentonite from 6.25-8.67'  
 Gravel Packed:  Yes  No  
 From 8.67 feet to 30 feet

Date started September 13, 1991  
 Date completed September 13, 1991

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

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

9. WATER LEVEL  
 Static water level none 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 Sergent, Hauskins & Beckwith Engineers Contractor  
 Address 3232 W. Virginia Avenue Contractor  
Phoenix, AZ 85009  
 Nevada contractor's license number issued by the State Contractor's Board 0029654  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller M1781  
 Signed Kenneth D. Donnellson  
 By driller performing actual drilling on site or contractor  
 Date October 3, 1991

91 OCT -7 P151  
 RECEIVED  
 STATE ENGINEERS OFFICE

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 Log No. 37582  
 Permit No. \_\_\_\_\_  
 Basin 54

WELL DRILLER'S REPORT

Please complete this form in its entirety

PRINT OR TYPE ONLY

NOTICE OF INTENT NO. 17488

1. OWNER Cortez Gold Mines ADDRESS AT WELL LOCATION Cortez Gold Mines  
 MAILING ADDRESS Cortez, NV 89821 Cortez, NV 89821

2. LOCATION SE 1/4 SE 1/4 Sec. 13 T. 27 (N) R. 47 E Lander County

PERMIT NO. M/O-207-A Issued by Water Resources Parcel No. \_\_\_\_\_ Subdivision Name Dual Completion #1

|   |  |  |
|---|--|--|
| 3. TYPE OF WORK   | 4. PROPOSED USE  | 5. TYPE WELL   |
| New Well <input checked="" type="checkbox"/> Recondition <input type="checkbox"/> | <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> | Cable <input type="checkbox"/> Rotary <input type="checkbox"/> |
| Deepen <input type="checkbox"/> Other <input type="checkbox"/>                    | Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/>                                  | Other <input checked="" type="checkbox"/> Auger                |

6. LITHOLOGIC LOG

| Material               | Water Strata | From | To | Thickness |
|------------------------|--------------|------|----|-----------|
| Sandy Silt             | SM           | 0    | 1  | 1         |
| Silty Gravel           | SM           | 1    | 4  | 3         |
| Silty-Clayey Sand      | M            | 4    | 14 | 10        |
| Silty Sand             | M            | 14   | 24 | 10        |
| Silty-Clayey Sand      |              |      |    |           |
| W/Gravel               | M            | 24   | 29 | 5         |
| Clayey Sand & Gravel   | M            | 29   | 38 | 9         |
| Silty Sand             | M-VM         | 38   | 47 | 9         |
| Sandy Clay             | VM           | 47   | 50 | 3         |
| Silty Sand             | VM           | 50   | 53 | 3         |
| Clayey Sand            | VM           | 53   | 57 | 4         |
| Sand                   | VM-W         | 57   | 63 | 6         |
| Silty-Clayey Sand      | W            | 63   | 68 | 5         |
| Clayey Sand-Sandy Clay | W            | 68   | 72 | 4         |
| Gravelly Sand          | W            | 72   | 77 | 5         |
| Sand                   | W            | 77   | 81 | 4         |
| Clayey Gravel          | W            | 81   | 83 | 2         |

NOTE: SM = Slightly Moist  
 M = Moist  
 VM = Very Moist  
 W = Wet

NOTE: Hole drilled with CME-55 drilling rig. Hole advanced with hollow stem auger.

Date started September 12, 1991  
 Date completed September 13, 1991

7. WELL TEST DATA

| Pump RPM | G.P.M. | Draw Down | After Hours Pump |
|----------|--------|-----------|------------------|
| N/A      |        |           |                  |
|          |        |           |                  |
|          |        |           |                  |

BAILER TEST  
 G.P.M. N/A Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours  
 G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours  
 G.P.M. \_\_\_\_\_ Draw down \_\_\_\_\_ feet \_\_\_\_\_ hours

8. WELL CONSTRUCTION

Diameter 7 inches Total depth 83 feet  
 \_\_\_\_\_ inches  
 \_\_\_\_\_ inches  
 Casing record 0.88 lb/ft, 0.218 in. PVC  
 Weight per foot 18.97 Thickness 0.280 Steel

| Diameter                 | From             | To               |
|--------------------------|------------------|------------------|
| <u>2.375</u> inches O.D. | <u>+2.0</u> feet | <u>51.1</u> feet |
| <u>2.375</u> inches O.D. | <u>71.1</u> feet | <u>76.3</u> feet |
| <u>6.56</u> inches O.D.  | <u>+2.0</u> feet | <u>2.0</u> feet  |
| _____ inches             | _____ feet       | _____ feet       |
| _____ inches             | _____ feet       | _____ feet       |
| _____ inches             | _____ feet       | _____ feet       |

Surface seal: Yes  No  Type Cement Grout  
 Depth of seal 44.5 feet  
 Gravel packed: Yes  No  #8-12 Sand  
 Gravel packed from 47.5 feet to 83 feet  
 Bentonite from 44.5-47.5 feet.

Perforations:  
 Type perforation Machine slot Sch. 80 PVC  
 Size perforation 0.020 inch  
 From 51.1 feet to 71.1 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

9. WATER LEVEL  
 Static water level 57.5 feet below land surface  
 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 Sergent, Hauskins & Beckwith Engrs.  
 Contractor  
 Address 3232 W. Virginia Ave.-Phx AZ 85009  
 Contractor  
 Nevada contractor's license number issued by the State Contractor's Board 0029654  
 Nevada contractor's driller's number issued by the Division of Water Resources M1781  
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller \_\_\_\_\_  
 Signed Kenneth W. Domelton  
 By driller performing actual drilling on site or contractor  
 Date October 3, 1991