

MW-170

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

STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 94789
Permit No. _____
Basin 109

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. 52779

1. OWNER Borealis Mining Co ADDRESS AT WELL LOCATION Forest Service Rd
MAILING ADDRESS 1136 Bergen Parkway m290 26 approx. 12 miles S. of Hawthorne
Esmeralda Co. 89439
2. LOCATION SW 1/4 SE 1/4 Sec. 8 T. 6 N. R. 29 E Mineral County
PERMIT NO. NDEP # 225 NA Forest Service Borealis mine site
Issued by Water Resources Parcel No. Subdivision Name

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 HSA

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thick-ness |
|---|--------------|--------------|--------------|----------------|
| <u>gravel/sand-silt Lt Brn</u> | <u>D</u> | <u>0</u> | <u>18'</u> | <u>18'</u> |
| <u>Silt/clay + gravel Lt Brn</u> | <u>D</u> | <u>18'</u> | <u>25.5'</u> | <u>7 1/2'</u> |
| <u>poorly graded sand w/clay</u> | <u>R</u> | <u>25.5'</u> | <u>31.5'</u> | <u>6 1/2'</u> |
| <u>poorly graded sand w/clay Lt Brn</u> | <u>Y</u> | <u>31.5'</u> | <u>100'</u> | <u>68 1/2'</u> |

Hole # 173 ~~was~~ X out, + put well in 170 location

8. WELL CONSTRUCTION
Depth Drilled 100' Feet Depth Cased 103' Feet
HOLE DIAMETER (BIT SIZE)
From 8 1/2" Inches To 100 Feet
Inches Feet Feet
Inches Feet Feet

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|-------------|------------|
| <u>2</u> | | <u>Sch. 40</u> | <u>+3'</u> | <u>90'</u> |

Perforations:
Type perforation Factory slot
Size perforation .020" Long Year
From 90 feet to 100 feet
From _____ feet to _____ feet

Surface Seal: Yes No Seal Type:
Depth of Seal 78' Neat Cement
Placement Method: Pumped Cement Grout
 Poured Concrete Grout
Gravel Packed: Yes No Bentonite From 88' to 70'
From 100' feet to 88' feet

9. WATER LEVEL
Static water level NA DRY feet below land surface
Artesian flow _____ G.P.M. _____ P.S.I.
Water temperature 70.5 °F Quality _____

Date started 5-7-04, 20____
Date completed 5-7-04, 20____

7. WELL TEST DATA

| TEST METHOD: | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|--------|-------------------------------|--------------|
| <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift | | | |
| | | | |
| | | | |
| | | | |
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10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Harz-Tech Drilling Inc. Contractor
Address P.O. Box 940 Contractor
Meridian ID 83680
Nevada contractor's license number issued by the State Contractor's Board 0038018
Nevada driller's license number issued by the Division of Water Resources, the on-site driller MA-2188
Signed Mitch By driller performing actual drilling on site or contractor
Date 5-9-04

RECEIVED
04 MAY 21 AM 10:15
STATE ENGINEERS OFFICE