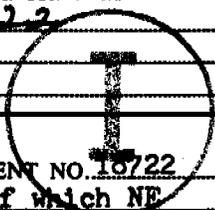


WELL DRILLER'S REPORT

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

OFFICE USE ONLY  
 Log No. 37822  
 Permit No. \_\_\_\_\_  
 Basin 59



PRINT OR TYPE ONLY  
 DO NOT WRITE ON BACK

*copy in file*

NOTICE OF INTENT NO. 18722

1. OWNER Echo Bay Minerals McKay Mines ADDRESS AT WELL LOCATION Point of which NE  
 MAILING ADDRESS P.O. BOX 1658 Corner of Sec. 1 Bears North 59 degrees  
Battle Mt., Nevada 89820 30° 51' E 2877.8'

2. LOCATION SW  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 1 T. 28 N S R. 42 E Lander County  
 PERMIT NO. 55180 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 electric

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Limestone		0	54	54
Limestone		54	60	6
Clay, Limestone, Pyrite		60	66	6
Limestone		66	96	30
Limestone/Cong./Quartz		96	156	60
Quartz/Cong.		156	174	18
Quartz/Cong./Clay		174	192	18
Quartz/Cong.		192	204	12
" "		204	276	72
(light limestone)				
Cong./Quartz		276	282	6
Limestone/Cong.				
(little quartz)		282	300	18

8. WELL CONSTRUCTION  
 Depth Drilled 300 Feet Depth Cased 210 Feet  
 HOLE DIAMETER (BIT SIZE) 90' Plug  
 From To  
5 1/4 Inches 0 Feet 300 Feet  
11 1/2 Inches 0 Feet 152 Feet  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6		.188	+2	50

Perforations:  
 Type perforation Mill Slot  
 Size perforation 1/8" x 3"  
 From 50 feet to 150 feet  
 From 150 feet to 210 3" Mill feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 50  Neat Cement  
 Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout

Gravel Packed:  Yes  No  
 From 50 feet to 210 feet

9. WATER LEVEL  
 Static water level ground level feet below land surface  
 Artesian flow 360 G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature warm °F Quality \_\_\_\_\_

Date started 10/30 1991  
 Date completed 12/2 1991

7. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>pump</u>	<u>360</u>	<u>33'</u>	<u>Recovery 27 sec</u>

10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.  
 Name Humboldt Drilling and Pump Co.  
 Contractor \_\_\_\_\_  
 Address P.O. BOX 590  
 Contractor \_\_\_\_\_  
Winnemucca, Nev. 89446-0590  
 Nevada contractor's license number issued by the State Contractor's Board 015234  
 Nevada driller's license number issued by the Division of Water Resources the on-site driller 1195  
 Signed [Signature]  
 By driller performing actual drilling on site or contractor  
 Date 12-23-91

OFFICE USE ONLY  
 Log No. 31822  
 Permit No. \_\_\_\_\_  
 Basin 59  
 Well# 2  
 NOTICE OF INTENT NO. 18722  
 Point of which NE

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

1. OWNER Echo Bay Minerals Mine  
 MAILING ADDRESS P.O. BOX 1658  
Battle Mt., Nevada 89820  
 2. LOCATION SW 1/4 NE 1/4 Sec. 1 T. 28 N/S R. 42 E Lander County  
 PERMIT NO. 55180  
 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 electric

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>Cement</u>		<u>0</u>	<u>6</u>	<u>6</u>
<u>Cement, Clay, Limestone</u>		<u>6</u>	<u>12</u>	<u>6</u>
<u>Clay, Limestone, Congl.</u>		<u>12</u>	<u>18</u>	<u>6</u>
<u>Conglomerate, Quartz</u>		<u>18</u>	<u>36</u>	<u>18</u>
<u>Clay &amp; Limestone</u>		<u>36</u>	<u>60</u>	<u>24</u>
<u>Limestone, Pyrite</u>		<u>60</u>	<u>90</u>	<u>30</u>
<u>Limestone, Pyrite, Quartz</u>		<u>90</u>	<u>168</u>	<u>78</u>
<u>Conglomerate</u>		<u>168</u>	<u>174</u>	<u>6</u>
<u>" , quartz, Pyrite</u>		<u>174</u>	<u>200</u>	<u>26</u>

8. WELL CONSTRUCTION  
 Depth Drilled 200 Feet Depth Cased 180 Feet  
 HOLE DIAMETER (BIT SIZE)  
 From 0 To 200 Feet  
5 1/4 Inches 0 Feet 200 Feet  
11 1/2 Inches 0 Feet 200 Feet  
 \_\_\_\_\_ Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>6</u>		<u>.188</u>	<u>+2</u>	<u>50</u>

Perforations:  
 Type perforation Mill slot 6"  
 Size perforation 1/8 X 3  
 From 50 feet to 180 feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface Seal:  Yes  No Seal Type:  
 Depth of Seal 50  Neat Cement  
 Placement Method:  Pumped  Cement Grout  
 Poured  Concrete Grout  
 Gravel Packed:  Yes  No  
 From 50 feet to 180 feet

9. WATER LEVEL  
 Static water level ground level feet below land surface  
 Artesian flow 120 G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature WARM °F Quality \_\_\_\_\_

Date started 11/12 1991  
 Date completed 12/19 1991

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 checked="" type="checkbox"/> Air Lift	<u>120</u>	<u>air on rig</u>	<u>3 hrs.</u>

10. DRILLER'S CERTIFICATION  
 This well was drilled under my supervision and the report is true to the best of my knowledge.  
 Name Humboldt Drilling and Pump Co. Contractor  
 Address P.O. BOX 590  
Winnemucca, Nevada 89446-0590 Contractor  
 Nevada contractor's license number 015234  
 issued by the State Contractor's Board  
 Nevada driller's license number issued by the 1195-T  
 Division of Water Resources, the on-site driller  
 Signed [Signature]  
 By driller performing actual drilling on site or contractor  
 Date 12-23-91