

STATE OF NEVADA  
 DIVISION OF WATER RESOURCES  
**WELL DRILLER'S REPORT**

OFFICE USE ONLY  
 Log No. 84238  
 Permit No. 58413  
 Basin 59

PRINT OR TYPE ONLY  
 DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 47458  
 Pg 1 of 2

1. OWNER Echo Bay Minerals DW-11 ADDRESS AT WELL LOCATION McCoy/Cove Minesite, 25 miles south of Battle Mountain, NV  
 MAILING ADDRESS P.O. Box 1658 Battle Mountain, NV 89820

2. LOCATION NW 1/4 SE 1/4 Sec. 36 T 29N N/S R 42E E Lander County  
 PERMIT NO. 58413 Issued by Water Resources N/A Parcel No. N/A 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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<b>Abandonment procedure was discussed with DWR prior to beginning work.</b>				
<b>Top 25' of well have been mined off. The construction data take this into account.</b>				
<b>Abandoned by pumping abantonite via tremie from T.D. to 674.9', poured hole plug, and pumped more abantonite to 686'. Pumped bentonite cement to 653', then pumped neat cement to 481' and pumped neat cement down sounder tube. Poured sag mill reject rock to 20', capped with concrete grout.</b>				
<b>Quantities Used:</b>				
<b>Concrete grout: 62.8 cu.ft</b>		<b>0</b>	<b>20</b>	<b>20</b>
<b>Sag reject: 1448 cu.ft.</b>		<b>20</b>	<b>481</b>	<b>461</b>
Continued on next page				
Date started <u>8/6/2001</u> . 19				
Date completed <u>8/8/2001</u> . 19				

8. WELL CONSTRUCTION  
 Depth Drilled 1200 Feet Depth Cased 1171 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
<u>31</u> Inches	<u>0</u> Feet	<u>1178</u> Feet
<u>17.5</u> Inches	<u>1178</u> Feet	<u>1200</u> Feet
_____ Inches	_____ Feet	_____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>24</u>	<u>94.62</u>	<u>0.375</u>	<u>0</u>	<u>1171</u>
_____	_____	_____	_____	_____

Perforations:  
 Type perforation Louver  
 Size perforation 0.125"

From	feet to	feet
_____	<u>534</u>	<u>855</u>
_____	<u>935</u>	<u>1135</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Surface Seal:  Yes  No  
 Depth of Seal 25'  
 Placement Method:  Pumped  Poured  
 Seal Type:  Neat Cement  Cement Grout  Concrete Grout

Gravel Packed:  Yes  No  
 From 0 feet to 1200 feet

9. WATER LEVEL  
 Static water level 675 feet below land surface  
 Artesian flow \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
 Water temperature \_\_\_\_\_ °F Quality \_\_\_\_\_

7. WELL TEST DATA

TEST METHOD:	TEST METHOD:	
	G.P.M.	Time (Hours)
<input type="checkbox"/> Bailer	Draw Down (Feet Below Static)	
<input type="checkbox"/> Pump		
<input type="checkbox"/> Air Lift		

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 P.O. Box 5279 Contractor  
Elko, NV 89802-5279  
 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 2142

Signed Alan Beaudoin  
 By driller performing actual drilling on-site or contractor  
 Date 8/27/01

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 NOTICE OF INTENT NO. **47458**

1. OWNER **Echo Bay Minerals DW-11** ADDRESS AT WELL LOCATION **McCoy/Cove Minesite, 25 miles south of Battle Mountain, NV**  
 MAILING ADDRESS **P.O. Box 1658 Battle Mountain, NV 89820**

2. LOCATION **NW 1/4 SE 1/4 Sec. 36 T 29N N/S R 42E E Lander** County  
 PERMIT NO. **58413** Parcel No. **N/A** Subdivision Name **N/A**  
Issued by Water Resources

3. WORK PERFORMED  
 New Well  Replace  Recondition  Other  
 Deepen  Abandon

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

5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Neat cement: 658.7 cu.ft.		481	653	172
Bentonite cement: 46.5 cu.ft.				
Hole plug: 161.3 cu.ft.				
Abantonite: 2631 cu.ft.		686	1200	514

Note: Depth intervals for hole plug and bentonite are not shown, as the hole plug settled into the abantonite somewhat. Please see our summary report, submitted to Tom Gallagher.

8. WELL CONSTRUCTION  
 Depth Drilled \_\_\_\_\_ Feet Depth Cased \_\_\_\_\_ Feet

HOLE DIAMETER (BIT SIZE)

Inches	From	Feet	To	Feet
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:

Type perforation \_\_\_\_\_  
 Size perforation \_\_\_\_\_

From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

Gravel Packed:  Yes  No  
 From \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

Date started **8/6/2001**, 19\_\_\_\_  
 Date completed **8/8/2001**, 19\_\_\_\_

7. WELL TEST DATA

TEST METHOD:	Draw Down (Feet Below Static)			Time (Hours)
	G.P.M.	Bailer	Pump	

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 **P.O. Box 5279** Contractor  
**Elko, NV 89802-5279**

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 **2142**

Signed Alan Beaudoin  
 By driller performing actual drilling on-site or contractor

Date **8/27/01**