DW-1

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. 78995
Permit No.
Basin 59

NOTICE OF INTENT NO. 42863

1. OWNER ECHO BAY MINERALS
MAILING ADDRESS P.O. BOX 1658
BATTLE MOUNTAIN, NV. 89820

ADDRESS AT WELL LOCATION MCCOY/COVE MINESITE, ABOUT 25 MILES SOUTH OF BATTLE MTN., NV.

2. LOCATION NE ¼ NW ¼ Sec. 1 T. 28 N/S R. 42 E. LANDER County
PERMIT NO. W293/52776,52777 (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 Mining ☐ Irrigation ☐ Test
☒ Municipal/Industrial ☐ Monitor ☐ Stock

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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
12" CASING WAS ORIGINALLY CEMENTED FROM SURFACE TO 500'.				
WELL WAS FILLED WITH GRAVEL AND CEMENT TO 1,071'. WE DRILLED FILL OUT TO 1,148', WHERE STEEL WAS ENCOUNTERED. ECHO BAY AND DWR DISCUSSED THE SITUATION; WE ABANDONED THE WELL PER THE DISCUSSION.				
ABANDONED BY PUMPING ABANTONITE VIA TREMMIE FROM 1,148' TO S.W.L. HOLE PLUG AND ABANTONITE WERE THEN POURED INTO THE WELL UP TO 15'. CAPPED WITH NEAT CEMENT.				
QUANTITIES USED: ABANTONITE: 428 CU.FT.				

Date started JANUARY 20, 2000, 19__
Date completed JANUARY 22, 2000, 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 1320 Feet Depth Cased 1298 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
Inches	0 Feet	50 Feet
17.5 Inches	50 Feet	1320 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
20	52.73	0.250	+2	50
12	39.07	0.313	+2	1298

Perforations:
Type perforation LOUVER
Size perforation 0.125"
From 523 feet to 1255 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

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

Gravel Packed: ☒ Yes ☐ No
From 500 feet to 1320 feet

9. WATER LEVEL
Static water level 986 feet below land surface
Artesian flow N/A 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 LANG EXPLORATORY DRILLING (Contractor)
Address P.O. BOX 5279 (Contractor)
ELKO, NV 89802
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 1948
Signed Daryl Hanzman (By driller performing actual drilling on site or contractor)
Date JANUARY 24, 2000

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

B.ST-C

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DIVISION OF WATER RESOURCES

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Permit No.
Basin 59

NOTICE OF INTENT NO. 42863

1. OWNER ECHO BAY MINERALS
MAILING ADDRESS P.O. BOX 1658
BATTLE MOUNTAIN, NV 89802

ADDRESS AT WELL LOCATION MCCOY/COVE MINESITE, ABOUT 25 MILES SOUTH OF BATTLE MOUNTAIN, NEVADA.

2. LOCATION NE ¼ NW ¼ Sec. 1 T 28 N/S R 42 E LANDER County
PERMIT NO. W293 (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 mining ☐ Irrigation ☐ Test
☒ Municipal/Industrial ☐ Monitor ☐ Stock

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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
QUANTITIES USED:				
HOLE PLUG: 444 CU.FT.				
CEMENT: 8 CU. FT.				

RECEIVED 00 JAN 27 AM 11:10 STATE ENGINEER'S OFFICE

Date started JANUARY 20, 2000, 19
Date completed JANUARY 22, 2000, 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 ____ Feet Depth Cased ____ 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)

Perforations:
Type perforation
Size perforation
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet
From ____ feet to ____ feet

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

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

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 1948

Signed Daryl Blanzman
By driller performing actual drilling on site or contractor

Date JANUARY 24, 2000

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

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STATE OF NEVADA
DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No.
Permit No.
Basin

WELL DRILLERS REPORT

Please complete this form in its entirety

1. OWNER ECHO BAY MINERALS ADDRESS P.O. BOX 1658
BATTLE MOUNTAIN, NEVADA 89820

2. LOCATION NE ¼ NW ¼ Sec. 1 T. 28 (N/S) R. 42 E. LANDER County
PERMIT NO. W293 NOTICE OF INTENT NO. 12213

3. TYPE OF WORK
New Well XX Recondition ☐
Deepen ☐ Other ☐

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

5. TYPE WELL
Cable ☐ Rotary XX
Other ☐

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
SANDS, GRAVELS, CLAY	–	0	15	15
LIMESTONE	X	15	700	685
CONGLOMERATE	X	700	1060	360
DOLOMITE	X	1060	1320	260

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Date started 1-28, 19 89
Date completed 3-05, 19 89

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
------	------	------	----------

BAILER TEST
G.P.M. ----- Draw down -- feet -- hours
G.P.M. ----- Draw down -- feet -- hours
G.P.M. ----- Draw down -- feet -- hours

8. WELL CONSTRUCTION
Diameter hole 17½ inches Total depth 1320 feet
Casing record BELOW
Weight per foot ------ Thickness ------

Diameter	From	To
20" 0.250 WALL inches	+2 feet	50 feet
12" 0.313 inches	+2 feet	1298 feet
inches	feet	feet
inches	feet	feet
inches	feet	feet
inches	feet	feet

Surface seal: Yes XX No ☐ Type CEMENT
Depth of seal 50 FEET AND 0 TO 500 FT. feet
Gravel packed: Yes XX No ☐
Gravel packed from 500 feet to 1320 feet

Perforations: ROSCOE MOSS
Type perforation FULL FLO LOUVERED
Size perforation 0.125
From 523 feet to 1255 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

9. WATER LEVEL
Static water level Feet below land surface 360
Flow ------ G.P.M. ------
Water temperature -- ° F. Quality -----

10. DRILLERS CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.

Name ARMANDO CLARK
Address
Nevada contractor's license number 0019101
Nevada driller's license number 1282
Signed [signature]
Date 3-24-89

USE ADDITIONAL SHEETS IF NECESSARY