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

OFFICE USE ONLY
Log No. 115825
Permit No.
Basin 142

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 69354

1. OWNER INTERNATIONAL MINERALS
MAILING ADDRESS 230 S. ROCK BLVD SUITE 30 RENO, NV 89502

ADDRESS AT WELL LOCATION ALKALI SPRING VALLEY

2. LOCATION SE ¼ NW ¼ Sec 34 T 2 N R 42 E
PERMIT/WAIVER No. MO-1847 (Issued by Water Resources) Parcel No.

Latitude
Longitude
Subdivision Name:
UTM E 477505 ☐ NAD 27
N 4175139 ☒ NAD 83/WGS 84
County: ESMERALDA

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ 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	Thickness
CLAY/GRAVEL MIX	NO	0'	325'	325'
FRACTURE ZONE	YES	325'	330'	5'
CLAY/GRAVEL	YES	330'	545'	215'
0'-436' 6" NEAT CEMENT	+18"	438' 6" BLANK		
436' 6"-545' #8 SAND				
	438' 6"-538' 6"	SCREENS		
	END CAP			

Date started 9-19-12, 20 12
Date completed 9-22-12, 20

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
60		

8. WELL CONSTRUCTION
Depth Drilled 545' Feet Depth Cased ~~545' 6"~~ 538' 6" Feet

HOLE DIAMETER (BIT SIZE)

	From	To
14" Inches	0 Feet	20' Feet
8 3/4" Inches	20' Feet	545' Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4"			+18"	538' 6"

Perforations:
Type of perforation SLOT
Size of perforation 100
From 438' 6" feet to 538' 6" 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
Gravel Packed: ☒ Yes ☐ No
From 436' 6" feet to 545' feet

Seal Type: ☒ Neat Cement ☐ Cement Grout ☐ Concrete Grout

9. WATER LEVEL
Static water level 155' feet below land surface
Artesian flow NO G.P.M 60 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 BOART LONGYEAR NV (Contractor)
Address P.O. BOX 2748 ELKO, NV 89803 (Contractor)
Nevada contractor's license number issued by the *State Contractor's Board* 0073086
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* DCNR/DWR
Signed Josh McMahon (By driller performing actual drilling on site or contractor)
Date 9-22-12

RECEIVED
OCT 16 2012
LAS VEGAS OFFICE

(Rev. 06/10)
USE ADDITIONAL SHEETS IF NECESSARY

37.723305
117.254346 - NAD27