



STATE OF NEVADA
DIVISION OF MINERALS
DISSOLVED MINERAL RESOURCE
EXPLORATION WELL DRILLER'S REPORT

Report #: PB0029
For Division Use Only

PRINT OR TYPE IN BLACK INK ONLY
DO NOT WRITE ON BACK

Please complete this from in its entirety in
accordance with NAC 534B

PRIVATE LEASE Yes No
BLM NOTICE: NVN - 105762366

1. OPERATOR NAME: Morella Minerals (US) Corporation MAILING ADDRESS: 241 Ridge Street, Suite 2010, Reno, NV 89501		HYDROLOGIC BASIN: Fish Lake Valley
		NAME AND NUMBER: 117
COUNTY: Esmeralda		
2. PLSS LOCATION: SE 1/4 NW 1/4 Section 25	Latitude: 37.90474 UTM N	418593
Township 01N Range 36 E	Longitude: -117.926008 UTM E	4195650
<input checked="" type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> WGS 84		

3. NDOM PERMIT NUMBER: N0059	4. BLOWOUT PREVENTION EQUIPMENT Type: <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> Annular <input type="checkbox"/> Blind <input type="checkbox"/> Pipe Rating: <input type="checkbox"/> 2M <input type="checkbox"/> 3M <input type="checkbox"/> 5M Size: Surface Intermediate <input type="checkbox"/> Core <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> RVC <input type="checkbox"/> Air <input type="checkbox"/> Mud <input type="checkbox"/> Sonic <input type="checkbox"/> Other
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6. LITHOLOGIC LOG				
Material Encountered	Lost Circ.	Water Strata	From	To
Gray to reddish brown sandy clays			0	34
Reddish coarse grained silicified sands			34	95
Dark grey coarse grained sands with silified sands			95	160
Reddish brown poorly sorted sands with angular clasts			160	220

8. WELL CONSTRUCTION
Depth Drilled: 220 Feet Depth Cased To: 220 Feet

HOLE DIAMETER (BIT SIZE)				
	From		To	
10.625	Inches	0	Feet	200
	Inches		Feet	
	Inches		Feet	

CASING SCHEDULE				
Size O.D. (Inches)	Weight/F.t. (Pounds)	Wall Thickness/Grade (Inches)	From (Feet)	To (Feet)
6.625	4.2019	Steel 0.188	0	200

ANNULAR SEALS					
Minimum of 50 feet of surface seal and 2 inch annual space required					
<input checked="" type="checkbox"/> Neat Cement		0	to	200	<input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout			to		<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Grout			to		<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Chips			to		<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Gravel Pack [$>$ 0.2 in.]			to		<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Sand Pack [$<$ 0.2 in.]			to		<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Other, explain:			to		<input type="checkbox"/> Pumped <input type="checkbox"/> Poured

PERFORATIONS:

Type of perforation:					
Size of perforation:					
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet
From		Feet	To		Feet

7. WATER DATA
Static water level: 3 Feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I.
Water Max Temperature: 60 ° Fahrenheit

9. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.

Name: Layne Minerals, LLC
Contractor
Address: 580 W Silver St, Elko, NV 89801
Contractor
Phone: 775-778-6625
Nevada contractor's license number as issued by the State Contractor's Board: 0090574
Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2521

Signed: [Signature]
By driller performing actual drilling on site

Date: November 15, 2023

DATE RECEIVED:

DATE ENTERED:

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DIVISION OF MINERALS
DISSOLVED MINERAL RESOURCE
EXPLORATION WELL DRILLER'S REPORT
Please complete this form in its entirety in accordance with NAC 534B

Report #: PB0029
For Division Use Only
Borehole: FLVDD22302
Well:

PRINT OR TPE IN BLACK INK ONLY
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1. OPERATOR Morella Minerals (US) Corporation
MAILING ADDRESS 241 Ridge Street, Suite 2010, Reno, NV 89501

BOE HOLE OR WELL NAME FLVDD22302
PROJECT NAME Fish Lake Valley
FEDERAL BLM NVN# 105762366

COUNTY Esmeralda

2. LOCATION SE 1/4 of the NW 1/4 Sec 25 T 01N R 36 E

3. NDOM PERMIT/NOI Number N0059

Latitude 37.90474 or UTM E 418593 NAD83
Longitude -117.926008 or UTM N 4195650 WGS84

4. **EXISTING BOREHOLE OR WELL CONSTRUCTION**

Depth Drilled 220 Feet Depth Cased 220 Feet (well only)

5. **WATER LEVEL**

Static Water Level 3 feet below land surface
Artisan Flow N/A G.P.M. N/A P.S.I.
Water Temperature 60 ° F

6. **BOREHOLE/WELL PLUGGING MATERIALS**

Material Used <u>Neat Cement</u>	From <u>0</u> feet to <u>220</u> feet	<input checked="" type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Material Used _____	From _____ feet to _____ feet	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Material Used _____	From _____ feet to _____ feet	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Material Used _____	From _____ feet to _____ feet	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Material Used _____	From _____ feet to _____ feet	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Material Used _____	From _____ feet to _____ feet	<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Neat Cement Fluid Weight lbs/gal <u>15</u>		<input type="checkbox"/> Pumped	<input type="checkbox"/> Poured
Bentonite Grout _____	% Bentonite _____		

NEXT SECTION TO BE COMPLETED IN CASE OF WELL PLUGGING ONLY - FOR BOREHOLES SKIP TO SECTION 8

7. **WELL PLUGGING PROCEDURE**

Was well cleaned out to total depth yes no
If well was not cleaned out to total depth please explain why:

Was the casing pulled yes no If pulled, from _____ Feet to _____ Feet
Was the casing over drilled yes no

EXISTING CASING SCHEDULE

Material Used	Size O.D.	Wt/Ft	Wall Thickness	From	To
<u>6.625</u>	<u>Steel 0.188 (Inches)</u>	<u>4.2019 (Pounds)</u>	<u>0.188 (Inches)</u>	<u>0 (Feet)</u>	<u>200 (Feet)</u>
_____	_____ (Inches)	_____ (Pounds)	_____ (Inches)	_____ (Feet)	_____ (Feet)
_____	_____ (Inches)	_____ (Pounds)	_____ (Inches)	_____ (Feet)	_____ (Feet)

Existing Perforations:

From _____ feet to _____ feet From _____ feet to _____ feet
From _____ feet to _____ feet From _____ feet to _____ feet
From _____ feet to _____ feet From _____ feet to _____ feet

8. Additional Notes or Comments

9. Date Started October 17, 2023 Date Completed October 18, 2023

10. **DRILLERS CERTIFICATION**

This borehole or well was plugged and abandoned under my supervision and the report is true to the best of my knowledge.

Name Layne Minerals, LLC

Contractor

Address 580 W Silver St, Elko, NV 89801

Contractor

Phone 775-778-6625

Nevada contractor's license number issued by the State Contractor's Board 0090574

Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2521

Signed [Signature]

by driller performing actual plugging on site

Date November 15, 2023