



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

Report #: **PB0030**
For Division Use Only

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

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

PRIVATE LEASE Yes No
BLM NOTICE: NVN - 101340599

WELL NAME/NUMBER _____

1. OPERATOR NAME Morella Minerals (US) Corporation HYDROLOGIC BASIN Fish Lake Valley
MAILING ADDRESS 241 Ridge Street, Suite 2010, Reno, NV 89501 NAME AND NUMBER: 117
COUNTY Esmeralda

2. PLSS LOCATION NE 1/4 NE 1/4 Section 35 Latitude 37.904701 UTM N 418155 NAD 83
Township 01N Range 36 E Longitude -117.93099 UTM E 4195650 WGS 84

3. NDOM PERMIT NUMBER N0058

4. BLOWOUT PREVENTION EQUIPMENT
Type: Not Required Annular Blind Pipe
Rating: 2M 3M 5M
Size: Surface Intermediate

5. RIG TYPE
 Core Rotary RVC
 Air Mud Sonic
 Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
Reddish brown silty, sandy clays w/angular silicified clasts			0	72
Gray clayey coarse grained sands w/angular silicified clasts			72	231.1
Reddish to dark gray silty clast supported sand beds			231.1	273.9
Alternating gray to red clast supported clays			273.9	374.1
Gray to creamy white silty clays w/organiacs			374.1	479.8
Reddish brown silty, sandy clays with angular silicified clasts			479.8	523.2
Reddish brown lacustrine bedding w/debris flows			523.2	568.8
Grayish brown clay altered sands w/ silicified debris flows			568.8	699.8
Creamy gray clays w/silicified angular clasts			699.8	579.9
Reddish brown silty, sandy clays w/angular silicified clasts			579.9	1313

8. WELL CONSTRUCTION
Depth Drilled: 1313 Feet Depth Cased To: 1300 Feet

HOLE DIAMETER (BIT SIZE)

From	To
10.625 Inches	0 Feet 200 Feet
4.815 Inches	200 Feet 490 Feet
3.5 Inches	490 Feet 1313 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness/Grade (Inches)	From (Feet)	To (Feet)
6.625	4.2019	Steel 0.188	0	200
4.815	3.35106	Steel PQ	450.6	587.6
3	1.94	Sch 80 PVC	611	1296

ANNULAR SEALS
Minimum of 50 feet of surface seal and 2 inch annual space required

Material	From	To	Method
<input checked="" type="checkbox"/> Neat Cement	0	200	<input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Cement Grout			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Grout			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Bentonite Chips			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Gravel Pack (> 0.2 in.)			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Sand Pack (< 0.2 in.)			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured
<input type="checkbox"/> Other, explain:			<input type="checkbox"/> Pumped <input type="checkbox"/> Poured

PERFORATIONS:

Type of perforation: Factory Perforation
Size of perforation: 0.032

From	To
611 Feet	1296 Feet

7. WATER DATA
Date started: August 26, 2023
Date completed: October 10, 2023

Static water level: 3 Feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I.
Water Max Temperature: 125 ° 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: 11/15/2023
HARDCOPY STAMPED
DATE ENTERED: 11/30/2023
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STATE OF NEVADA
DIVISION OF MINERALS
DISSOLVED MINERAL RESOURCE
EXPLORATION WELL DRILLER'S REPORT

Report #: PB0030
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Borehole:
Well:

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

1. OPERATOR Morella Minerals (US) Corporation
MAILING ADDRESS 241 Ridge Street, Suite 2010, Reno, NV 89501

BOEHOLE OR WELL NAME FLVDD22301
PROJECT NAME Fish Lake Valley
FEDERAL BLM NVN# 101340599

COUNTY Esmeralda

2. LOCATION NE 1/4 of the NE 1/4 Sec 35 T 01N R 36 E

3. NDOM PERMIT/NOI Number N0058

Latitude 37.904701 or UTM E 418155 NAD83
Longitude -117.93099 or UTM N 4195650 WGS84

4. EXISTING BOREHOLE OR WELL CONSTRUCTION

Depth Drilled 1313 Feet Depth Cased 1300 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 125 ° F

6. BOREHOLE/WELL PLUGGING MATERIALS

Material Used <u>Neat Cement / Bentonite</u>	From <u>0</u> feet to <u>1300</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>			
Bentonite Grout <u>26.60</u>	% 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 0 Feet to 450.6 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>
<u>4.815</u>	<u>Steel PQ (Inches)</u>	<u>3.3511 (Pounds)</u>	<u>(Inches)</u>	<u>450.6 (Feet)</u>	<u>587.6 (Feet)</u>
<u>3</u>	<u>Sch 80 PVC (Inches)</u>	<u>1.94 (Pounds)</u>	<u>Sch 80 (Inches)</u>	<u>611 (Feet)</u>	<u>1296 (Feet)</u>

Existing Perforations:
From 611 feet to 1296 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