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

OFFICE USE ONLY
Log No. 120330
Permit No. 82364
Basin No. 061

PRINT OR TYPE IN BLACK INK 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. 70682
WELL NAME *(If applicable)*:

1. OWNER/CLIENT NAME Haliburton Energy Services
MAILING ADDRESS 10200 Bellaire Blvd
Houston, TX 77072

DETAILED ADDRESS AT WELL LOCATION Dunphy NV
Subdivision Name: *County:* Lander

2. PLS LOCATION NW ¼ NE ¼ 26 Sec 33N N/S 48 E
PERMIT/WAIVER NO. 82364 *(issued by Water Resources)* *Current Parcel No.*

Latitude 4506638.7 UTM E
Longitude 539877.54 UTM N
☐ NAD 27 ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Monitor
☒ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☒ Rotary ☐ RVC
☐ Air ☒ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To	Thickness
top soil			0	10	10
sand/gravel			10	40	30
clay			40	70	30
gravel/boulders		x	70	140	70
sand/gravel/boulders		x	140	260	120

Nad 83
40.29755 N
116.15 -49859 W

Date started: 10-Jan , 20 14
Date completed: 17-Mar , 20 14

7. WATER QUALITIES
Static Water Level: 90 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: cool ° Fahrenheit
Water Quality:

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ☒ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
100+		3

9. WELL CONSTRUCTION
Depth Drilled: 260 Feet Depth Cased: 257 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
9 7/8	Inches	0	Feet	260	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8		.250	+1 1/2	257

PERFORATIONS
Type of perforation: mill slot
Size of perforation: 3/16 x 3
From 237 Feet To 257 Feet
From Feet To Feet
From Feet To Feet

ANNULAR MATERIALS

☒ Sanitary Seal	0	to 100		
☒ Neat Cement	0	to 100	☒ Pumped	☐ Poured
☐ Cement Grout		to	☐ Pumped	☐ Poured
☐ Concrete Grout		to	☐ Pumped	☐ Poured
☐ Bentonite Chips		to	☐ Pumped	☐ Poured
☐ Bentonite Grout		to	☐ Pumped	☐ Poured
☐ 15 % ☐ 20 % ☐ Other, explain:				
☒ Gravel Pack [> 0.2 in.]	100	to 257	☐ Pumped	☒ Poured
☐ Sand Pack [< 0.2 in.]		to	☐ Pumped	☐ Poured
☐ Other, explain:		to	☐ Pumped	☐ Poured

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Alternative Drilling Co LLC *Contractor*
Address P.O. Box 281166, Lamoille, NV 89828 *Contractor*
Nevada contractor's license number as issued by the State Contractor's Board 73955
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller)*: 2421
Signed: *By driller performing actual drilling on site or contractor*
Date:

(Rev. 08-12)

USE ADDITIONAL SHEETS IF NECESSARY