

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

OFFICE USE ONLY
Log No. 112568
Permit No. _____
Basin 187

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. 65771

1. OWNER Fronteer Development **LCMW-22** ADDRESS AT WELL LOCATION **Basin 187**
MAILING ADDRESS 1031 Railroad St. Ste. 110 **Goshute Valley**
Elko, NV. 89801 **Subdivision Name:** _____ **County: Elko**

2. LOCATION SW 1/4 SE 1/4 Sec 21 T36N R66E Latitude _____ UTM E 709067 NAD 27
PERMIT/WAIVER NO. M/O - 1656 Longitude _____ N 4539736 NAD 83/WGS 84
Issued by Water Resources Parcel No. _____

3. WORK 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	Thick-ness
Alluvial Gravel		0	280	280
Red & Brown Rock		280	365	85
Red & Gray Rock		365	485	120
Big Chips Gray & Red Rock		485	600	115
Small Chips Gray & Red Rock		600	865	265
Broken up Gray Rock		865	875	10
Gray Rock		875	935	60
Dark Brown Rock		935	975	40
Gray & Black Rock		975	1020	45
Brown & Black Rock		1020	1070	50
Gray Rock		1070	1215	145
Black & Brown Rock		1215	1300	85
<i>NAD - 23 GPs</i>				
<i>40.982098°N</i>				
<i>114.514035°W</i>				
Well Design Cement		0	12	12
3/8 Hole Plug		12	317	305
#6 Gravel		317	620	303
3/8 Hole Plug		620	1098	478
#6 Gravel		1098	1160	62
Native Material		1160	1300	140

Date started: November 28, 20 10
Date completed: December 5, 20 10

7. Water Level
Static water level: _____ feet below land surface
Artesian Flow: N/A G.P.M. _____ P.S.I.
Water Temperature: Cold °F
Quality: Good

8. WELL TEST DATA

TEST METHOD:	TEST METHOD:		
	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift			
2"	<u>21</u>	<u>190.9</u>	<u>3</u>
4"	<u>48</u>	<u>190.7</u>	<u>3.5</u>

9. WELL CONSTRUCTION
Depth Drilled 1300 Feet Depth Cased 1159 Feet
HOLE DIAMETER (BIT SIZE)
From _____ To _____
17.75 Inches 0 Feet 26 Feet
12.75 Inches 26 Feet 620 Feet
6.5 Inches 620 Feet 1300 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>10.75</u>	<u>40.48</u>	<u>.365</u>	<u>+2</u>	<u>8</u>
<u>4.5</u>	<u>2.06</u>	<u>.237</u>	<u>+1</u>	<u>619</u>
<u>2.375</u>	<u>3.65</u>	<u>.154</u>	<u>+1</u>	<u>1159</u>

Perforations:
Type of perforation _____
Size of perforation Slotted
From 4" 319 feet to 619 feet
From _____ feet to _____ feet
From 2" 1099 feet to 1159 feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement 0 to 12 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured
Gravel Pack: Yes No 317 to 620 Pumped Poured
Type: SRI #6
Bentonite Chips: Yes No 12 to 317 Pumped Poured
Type: MI 3/8" chip

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
(CONTRACTOR)

Address 2745 California Ave.
(CONTRACTOR)
SLC., UT. 84104
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 2085-T/2329
Signed _____
By driller performing actual drilling on site or contractor
Date December 15, 2010