STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 112536
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. 65772

1. OWNER Fronteer Development LCMW-23
MAILING ADDRESS 1031 Railroad St. Ste. 110
Elko, NV. 89801

ADDRESS AT WELL LOCATION Basin 187
Goshute Valley
Subdivision Name: County: Elko

2. LOCATION SW¼SE¼ Sec21T36N/ R66E
PERMIT/WAIVER NO. M/O-1657 Parcel. No.
Issued by Water Resources

Latitude 40.982960°N UTM E 709097 ☐ NAD 27
Longitude 114.513645°W N 4539826 ☒ NAD 83/WGS 84
NAD 27 (TM)

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	Thickness
Aluivium		0	305	305
Red/Gray Rock		305	700	395
Gray/Black Rock		700	790	90
Red/Black Rock		790	900	110
Black Rock		900	1050	150
Light Gray/Black Rock		1050	1265	215
Broken up Red Rock		1265	1270	5
Dark Gray Rock		1270	1300	30
Native Material		1261	1300	39

Date started: October 26, 20 10
Date completed: November 5, 20 10

9. WELL CONSTRUCTION
Depth Drilled 1300 Feet Depth Cased 1260 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
17.5 Inches	0 Feet	25 Feet
12.75 Inches	25 Feet	280 Feet
6.5 Inches	280 Feet	1300 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10.75	40.48	.365	+2	8
4.5	2.06	.237	+1	259.4
2.375	.698	.154	+1	1259.4

Perforations:
Type of perforation Slotted
Size of perforation .020
From 179 feet to 259 feet
From 359 feet to 1259 feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 11 ☐ Pumped ☒ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 177 to 260 ☒ Pumped ☐ Poured
Type: SRI #6
Bentonite Chips: ☒ Yes ☐ No 11 to 177 ☒ Pumped ☐ Poured
Type: MI 3/8 Chips

7. Water Level
Static water level: 8" 188.3 4" 191.0 feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I
Water Temperature: Cold °F
Quality: Good

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
2"	24	N/A	3.5
4"	18	N/A	2.5

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. 84114
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 2329
Signed
By driller performing actual drilling on site or contractor
Date December 7, 2010