STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 112079
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. 65769

1. OWNER Fronteer Development LCMW-05
MAILING ADDRESS 1031 Railroad St. Suite 110
SE Elko, NV. 89801

ADDRESS AT WELL LOCATION Long Canyon
Oasis, NV.
Subdivision Name: County: Elko

2. LOCATION ~~NE~~¼NW¼ Sec21T36N/ R66E
PERMIT/WAIVER NO. M/O-1610
Issued by Water Resources Parcel. No.

Latitude 40.990508°N UTM E 708628 ☐ NAD 27
Longitude 114.518938°W N 4540658 ☒ NAD 83/WGS 84
NAD27 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
Alluvium Gravel		0	35	35
Gray/Black Rock		35	150	115
Green Gray Rock		150	600	450
Rock		600	720	120
Green Gray Rock		720	800	80
Gray Rock		800	855	55
Red,Green,Black Rock		855	880	25
Black Green Rock		880	920	40
Black Rock		920	1180	260
Gray Rock		1180	1265	85
Gray/Reddish Brown Rock		1265	1290	25
Construction Details				
Neat Cement		0	12	12
3/8 Hole Plug		12	517	505
#6 Gravel		517	650	133
3/8 Hole Plug		650	1117	467
#6 Gravel		1117	1290	173

Date started: September 16, 20 10
Date completed: September 30, 20 10

9. WELL CONSTRUCTION
Depth Drilled 1290 Feet Depth Cased 1279.4 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
14.75 Inches	0 Feet	10 Feet
12.25 Inches	10 Feet	650 Feet
6.5 Inches	650 Feet	1290 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	649.4
2	.698	.154	+1	1279.4

Perforations:
Type of perforation Slotted
Size of perforation .020
From 4" 519 feet to 649 feet
From 2" 1119 feet to 1279 feet
From feet to 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 517 to 650 ☒ Pumped ☐ Poured
Type: SRI #6 See Details
Bentonite Chips: ☒ Yes ☐ No 12 to 517 ☒ Pumped ☐ Poured
Type: MI 3/8 Chips See Details

7. Water Level
Static water level: 2" 627.9 4"527.4 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: ☐ Bailer ☐ Pump ☒ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
2"	16	N/A	3
4"	5	N/A	4.5

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)
S.L.C., 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 2085-T/2039
Signed
By driller performing actual drilling on site or contractor
Date October 19, 2010