

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

OFFICE USE ONLY  
Log No. 112575  
Permit No. -  
Basin 137B

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. 65774

1. OWNER **Fronteer Development (FNU 050)NU-3** ADDRESS AT WELL LOCATION **North Umlerland Mine**  
MAILING ADDRESS **1031 Railroad St. Ste. 110**

**NE Eiko, NV. 89801** Subdivision Name: \_\_\_\_\_ County: **Nye**

2. LOCATION **NW¼NW¼ Sec24T13N/ R45E** Latitude 38.959764 UTM E **512055**  NAD 27  
PERMIT/WAIVER NO. **M/O-1625 A** Longitude 116.859948 N **4312313**  NAD 83/WGS 84  
*Issued by Water Resources* Parcel No. NAD 27 OPS

3. WORK PERFORMED  New Well  Replace  Recondition  Deepen  Other  
4. PROPOSED USE  Domestic  Municipal/Industrial  Irrigation  Monitor  Test  Stock  RVC  
5. WELL TYPE  Cable  Rotary  Air  Other

6. LITHOLOGIC LOG				
Material	Water Strata	From	To	Thick-ness
Dump		0	90	90
Limestone		90	125	35
Andesite		125	130	5
Limestone		130	225	95
Marble		225	255	30
Granodiorite		255	265	10
Marble		265	275	10
Granodiorite		275	285	10
Marble		285	320	35
Limestone		320	340	20
Granodiorite		340	400	60
Marble		400	435	35
Granodiorite		435	440	5
Marble		440	495	55
Limestone		495	550	55
Granodiorite		550	680	130
Limestone		680	700	20
Granodiorite		700	705	5
Limestone		705	755	50
Marble		755	775	20
Granodiorite		775	805	30
Limestone		805	890	85
Granodiorite		890	925	35
Limestone		925	1140	215
3/8 Hole Plug		88	98	10

Date started: **November 20, 20 10**  
Date completed: **November 28, 20 10**

7. Water Level  
Static water level: **713** feet below land surface  
Artesian Flow: **N/A** G.P.M. **N/A** P.S.I.  
Water Temperature: **cool** °F  
Quality: **good**

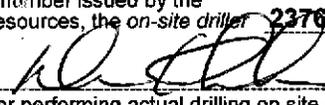
8. WELL TEST DATA			
TEST METHOD:	Bailer	Pump	Air Lift
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
<b>71</b>		<b>8</b>	

9. WELL CONSTRUCTION  
Depth Drilled **1140** Feet Depth Cased **1123** Feet  
HOLE DIAMETER (BIT SIZE)  
From \_\_\_\_\_ To \_\_\_\_\_  
**14.75** Inches **0** Feet **90** Feet  
**8.75** Inches **90** Feet **1140** Feet  
Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet

CASING SCHEDULE				
Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<b>4.500</b>	<b>2.87</b>	<b>337</b>	<b>+3</b>	<b>758</b>

Perforations:  
Type of perforation **Slotted**  
Size of perforation **.040**  
From **758** feet to **1123** feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet

Annular Seal:  Yes  No  
 Neat Cement 0 to 88  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 ≥30% Bentonite Grout 98 to 714  Pumped  Poured  
Gravel Pack:  Yes  No 756 to 1140  Pumped  Poured  
Type: **#6 Sand**  
Bentonite Chips:  Yes  No 714 to 756  Pumped  Poured  
Type: **3/8" Hole Plug**

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 **2376**  
Signed   
By driller performing actual drilling on site or contractor  
Date **December 17, 2010**