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

OFFICE USE ONLY
Log No. 108657
Permit No.
Basin 187

PRINT OR TYPE 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. 61093

1. OWNER Fronteer Group
MAILING ADDRESS 230 S. Rock Blvd., Suite 30
Reno, NV 89502

ADDRESS AT WELL LOCATION Gashute Valley
Hole #LCMW-2
Subdivision Name: County: Elko

2. LOCATION SW ¼ SE ¼ Sec 21 T 36N N/S R 66 E
PERMIT/WAIVER No. M/O-1508
Issued by Water Resources Parcel No.

Latitude 40.981354 N
Longitude 114.494655 W
NAD 27 (TA)
UTM E 709131.41
N 4539847.09
☐ NAD 27 ☒ NAD 83/WGS 84

3. WORKED 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	Yes	0	340	340
Limestone	Yes	340	900	560
Dual Completion Well				
Hole Construction				
Sch 80 PVC Blank		0	260	260
Sch 80 PVC		260	300	40
Sch 80 PVC Blank		0	860	860
Sch 80 Slotted PVC		860	900	40
Neat Cement		0	5	5
Ben Sand Grout		5	60	55
Abandonite		60	240	180
Ben Sand Grout		240	258	18
1/4" Gravel		258	299	41
Ben Sand Grout		299	340	41
Abandonite		340	820	480
1/4" Kwik Plug Pellets		820	858	38
1/4" Gravel		858	900	42

Date started: 5-Apr , 20 09
Date completed: 19-Apr , 20 09

9. WELL CONSTRUCTION
Depth Drilled 900 Feet Depth Cased 900 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
16	Inches	0	Feet	20	Feet
8 1/2	Inches	20	Feet	660	Feet
6 1/2	Inches	660	Feet	900	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10		.188 Wall	0	20
2		PVC Sch 80	0	860

Perforations:
Type of perforation Slot
Size of perforation 0.02
From 860 feet to 900 feet
From 260 feet to 300 feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 5 to 0 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 900 to 958 ☐ Pumped ☐ Poured
Type: 1/4" 300 to 258
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 260 feet below land surface
Artesian Flow: No G.P.M. N/A P.S.I.
Water Temperature: Cold °F
Quality: Clear

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
300	20		15 min
400	35		15 min
500	43		15 min
600	69		15 min
700	92		15 min
800	97		15 min
900	131		15 min

STATE ENGINEER
2008 JUL -9 AM 11:44

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Eklund Drilling Company, Inc.
Contractor
Address PO Box 2748
Contractor
Elko, NV 89803
Nevada contractor's license number issued by the *State Contractor's Board* 0030823
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 1957
Signed Larry Dailey by (nw)
By driller performing actual drilling on site or contractor
Date 5/13/2009

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY