

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

OFFICE USE ONLY
Log No. 116529
Permit No. _____
Basin 153

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. 68954 ✓

1. OWNER **Saddler Brown Ranch - Doug Frazer** ADDRESS AT WELL LOCATION **2401 Saddler Brown Rd**
MAILING ADDRESS **2401 Saddler Brown Rd** **Eureka, NV 89316**
Eureka, NV 89316 *Subdivision Name:* _____ *County:* **Eureka**

2. LOCATION **SW 1/4 SE 1/4 Sec 23 T24N R52E** Latitude **39.94247** UTM E NAD 27
PERMIT/WAIVER NO. _____ Longitude **116.07596** N NAD 83/WGS 84
Issued by Water Resources Parcel No. _____

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Other **Domestic Well #2**

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal/Industrial Monitor Stock

5. WELL TYPE
 Cable Rotary RVC
 Air Other **Mud**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Lt. Brown Silt		0	20	20
Lt. Brown, Grey Lime Stone		20	85	65
Lt. Brown, Grey Lime Stone w/ Brown Clay		85	90	5
Small Fractures - Hard		90	130	40
Fractured & Broken Hard	X	130	170	40
		170	180	10
Small Fractures, Hard water	X	180	192	12
Hard White, Brown, Black Rock		192	200	8
Dark Brown, White rock fracture		200	240	40
Brown & White Hard Rock		240	270	30
Brown, White rock, Brown Clay		270	290	20
Brown Grey Rock, Brown Clay		290	310	20
Black, Dark Grey, Hard		310	330	20
Grey Brown Rock, Lt. Grey - Broken Fracture	X	330	340	10
Grey Brown Rock Hard		340	390	50
Brown Grey Rock, Brown Clay		390	405	15
Fractured Hard Dark Grey		405	415	10
Black Rock, Grey Fracture Fill		415	430	15
Lt. Grey Rock, Brown Rock	X	430	480	50
Dark Grey Rock		480	510	30
Brown, Lt. Tan Fracture	X	510	530	20
Brown, Lt. Tan, Grey Rock	X	530	540	10
Lt. Grey Broken Fractured	X	540	600	60
Lt. Grey Hard		600	620	20
Lt. Brown & Grey Broken	X	620	640	20
Hard Grey Rock		640	652	12

Date started: **3-13, 20 12**
Date completed: **3-22, 20 12**

9. WELL CONSTRUCTION

Depth Drilled **652** Feet Depth Cased **652** Feet

HOLE DIAMETER (BIT SIZE)

From	To
10 5/8 Inches	0 Feet 100 Feet
9 7/8 Inches	100 Feet 430 Feet
6 1/8 Inches	430 Feet 652 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6"	12.92	.188	+2	430
5"	10.79	.188	412	652

Perforations:

Type of perforation **Factory 5"**
Size of perforation **3/32 X 3**

From **532** feet to **632** feet
From _____ feet to _____ feet

Annular Seal: Yes No

Neat Cement 0 to 20 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout 20 to 100 Pumped Poured
Gravel Pack: Yes No _____ to _____ Pumped Poured
Type: **1/4 x 1/8**
Bentonite Chips: Yes No _____ to _____ Pumped Poured
Type: _____

7. Water Level

Static water level: **41** feet below land surface
Artesian Flow: _____ G.P.M. _____ P.S.I.
Water Temperature: **86** °F
Quality: **not tested**

8. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	<input checked="" type="checkbox"/> Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	
100+		5	
39.942545° N NAD 83			
116.075062° W			

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name **Bruce MacKay Pump & Well Service, Inc.** (CONTRACTOR)
Address **1600 Mt. Rose Hwy** (CONTRACTOR)
Reno, NV 89511
Nevada contractor's license number issued by the State Contractor's Board **25096**
Nevada driller's license number issued by the Division of Water Resources, the on-site driller **1790**

Signed *R. Bruce MacKay*
By driller performing actual drilling on site or contractor
Date **3-23-12**

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STATE ENGINEERS OFFICE