

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

OFFICE USE ONLY
 Log No. 122344
 Permit No. _____
 Basin 087

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. **73052**

1. OWNER **Harold Hilderbran**
 MAILING ADDRESS **P.O Box 18338**
Reno, NV 89511
 ADDRESS AT WELL LOCATION **14155 Raider Run**
Reno, NV 89511
 Subdivision Name: _____ County: **Washoe**

2. LOCATION **NW¼NE¼ Sec30T18N / R 20E**
 PERMIT/WAIVER NO. **DOM 15-17** **142-241-28**
Issued by Water Resources Parcel No.
 Latitude **39.400697** UTM E NAD 27
 Longitude **-119.776840** N NAD 83/WGS 84

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 **Mud**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Brown sandy clay w/ boulders		0	31	31
Sand, gravel, volcanics		31	52	21
Hard Volcanics		52	84	32
Coarse sand, light. brn. clays		84	91	7
Hard black volcanics		91	114	23
Volcanics, small frac.		114	152	38
Small fractures, volcanics		152	163	11
Lost circulation here to bottom		163		
Hard Drilling, fractures		163	218	55
Some clay		218	232	14
Volcanics		232	236	4
Clays, volcanics		236	253	17
Clays, hard rock		253	274	21
Volcanics		274	307	33
Clays		307	310	3
Volcanics		310	324	14
Volcanics, frac, slow drilling		324	333	9
Clays		333	341	8
Soft rock, sandy clay	XX	341	361	20
Fractures, volcanics	XX	361	370	9
Clays		370	381	11
Hard, fractures, sandy clays	XX	381	406	25
Clays		406	433	27
Broken Volcanics	XX	433	453	20

Washoe Co. Permit #150008
 Date started: **3-23**, 20 **15**
 Date completed: **3-31**, 20 **15**

9. WELL CONSTRUCTION
 Depth Drilled **453** Feet Depth Cased **453** Feet
 HOLE DIAMETER (BIT SIZE)
 From _____ To _____
12 1/4 Inches **0** Feet **105** Feet
9 7/8 Inches **105** Feet **453** Feet
 _____ Inches _____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
6 5/8	12.92	.188	+2	453

Perforations:
 Type of perforation **Factory**
 Size of perforation **.060 double row**
 From **433** feet to **453** feet
 From **386** feet to **406** feet
 From **346** feet to **366** feet
 From _____ feet to _____ feet
 From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement to _____ Pumped Poured
 Cement Grout **0** to **107** Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured
 Gravel Pack: Yes No **107** to **453** Pumped Poured
 Type: **1/4 x 1/8**
 Bentonite Chips: Yes No _____ to _____ Pumped Poured
 Type: _____

7. Water Level
 Static water level: **274** feet below land surface
 Artesian Flow: _____ G.P.M. _____ P.S.I.
 Water Temperature: **58** °F
 Quality: **not tested**

8. WELL TEST DATA

TEST METHOD:	TEST METHOD:		Time (Hours)
	G.P.M.	Draw Down (Feet Below Static)	
<input checked="" type="checkbox"/> Air Lift	40+		2
<input type="checkbox"/> Bailer			
<input type="checkbox"/> Pump			

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 **23096**
 Nevada driller's license number issued by the Division of Water Resources, the on-site driller **2326**
 Signed **R. Bruce MacKay**
 By driller performing actual drilling on site or contractor
 Date **4-1-15**

