

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

OFFICE USE ONLY  
 Log No. 116906  
 Permit No. \_\_\_\_\_  
 Basin 089

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. 67190

1. OWNER **John & Ellen Hopkins**  
 MAILING ADDRESS **220 Flicker Cir.**  
NW **Reno, NV 89511**

ADDRESS AT WELL LOCATION **205 Flicker Cir.**  
**Reno, NV 89511**  
 Subdivision Name: **New Washoe**  
 City \_\_\_\_\_ County: **Washoe**

2. LOCATION **NE 1/4 NW 1/4 Sec 5 T16N R20E**  
 Latitude **N39.28769** UTM E \_\_\_\_\_  NAD 27  
 PERMIT/WAIVER NO. \_\_\_\_\_ **050-413-23** Longitude **W119.76646** N \_\_\_\_\_  NAD 83/WGS 84  
Issued by Water Resources Parcel No.

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
Weatherd Granite		160	169	9
Soft weatherd granit w/clay streaks		169	171	2
Hard weatherd granit		171	211	40
Weatherd granit & clay streaks		211	221	10
Fracture - no water		221	222	1
Gray Granite		222	242	20
Weatherd Granite - Soft	X	242	246	4
Gray hard granite		246	360	114
Soft Zone		360	362	2
Gray hard granite		362	395	33
Fracture	X	395	396	1
Gray granite		396	402	6

\* deepens domestic log # 31229

Washoe County Permit # **WL110047**

2011-09-11-12  
 2011-09-11-12  
 2011-09-11-12

Date started: **10-24**, 20 **11**  
 Date completed: **10-25**, 20 **11**

9. WELL CONSTRUCTION

Depth Drilled **402** Feet Depth Cased **402** Feet

HOLE DIAMETER (BIT SIZE)

From	To
<b>6 1/8</b> Inches	<b>160</b> Feet <b>402</b> Feet
_____ Inches	_____ Feet _____ Feet
_____ Inches	_____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<b>5</b>	<b>10.79</b>	<b>.188</b>	<b>156</b>	<b>402</b>

Perforations:

Type of perforation **Factory**

Size of perforation **3/32 x 3**

From	To
<b>222</b> feet to	<b>242</b> feet
<b>382</b> feet to	<b>402</b> feet
_____ feet to	_____ feet
_____ feet to	_____ feet
_____ feet to	_____ feet

Annular Seal:  Yes  No

Neat Cement \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

≥30% Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Gravel Pack:  Yes  No \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Type: \_\_\_\_\_

Bentonite Chips:  Yes  No \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured

Type: \_\_\_\_\_

7. Water Level

Static water level: **89'** feet below land surface

Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.

Water Temperature: **cool** °F

Quality: **not tested**

8. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<b>15</b>		<b>3</b>

**39.287779° N NAD 27**  
**119.765443° W Dec/Day**

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 **23095** 23096

Nevada driller's license number issued by the Division of Water Resources, the on-site driller **923**

Signed R. Bruce MacKay  
 By driller performing actual drilling on site or contractor

Date **10-27-11**