STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 111702
Permit No. —
Basin 104

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. 64837

1. OWNER Nevada State Public Works Board
MAILING ADDRESS 515 E. Musser St. #102
Carson City, Nev 89701

ADDRESS AT WELL LOCATION 2444 Fairview Dr.
Carson City, NV 89701
Subdivision Name: County: Carson

2. LOCATION SW¼NE¼ Sec21T15N/ R19E
PERMIT/WAIVER NO. 010-051-04
Issued by Water Resources Parcel. No.

Latitude N39.15028 UTM E ☐ NAD 27
Longitude W119.74224 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	Thickness
Geothermal Exploratory well				
For National Guard				
Silty Sand		0	15	15
Med/coarse sand		15	55	40
Clayey silty sand		55	67	12
Clay		67	74	7
Clayey Silt		74	80	6
Silty Sand		80	95	15
Silty sand w/clay		95	105	10
Silty Sand		105	165	60
Silty sand w/clay		165	175	10
Silty sandy clay		175	205	30
Claey silty sand		205	210	5
Silty Sand w/clay		210	260	50
Silty sandy clay		260	280	20
Silty sand w/clay		280	290	10
Clayey silt w/sand		290	300	10
Silty Sandy clay		300	305	5
NAD-27 GPS				
39.150370°N				
119.741227°W				

Date started: July 30, 20 10
Date completed: July 31, 20 10

7. Water Level
Static water level: 56 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: cold °F
Quality: Not Tested

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
Air	150		5
Pump	125	100	33

9. WELL CONSTRUCTION
Depth Drilled 305 Feet Depth Cased 290 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
9 7/8 Inches	0 Feet	305 Feet
Inches	Feet	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	290

Perforations:
Type of perforation Factory
Size of perforation 3/32 x 3"
From 90 feet to 290 feet
From feet to feet
From feet to feet
From feet to 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 87 ☒ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 87 to 290 ☐ Pumped ☒ Poured
Type: 1/8 x 1/4
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

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 1790
Signed R. Bruce MacKay
By driller performing actual drilling on site or contractor
Date 8-9-2010