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

OFFICE USE ONLY 116466
Log No. .....
Permit No. 22204, 27437
Basin Ø76

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. **69117**

1. OWNER **City of Fernley**
MAILING ADDRESS **595 Silver Lace Blvd**
Fernley, NV 89408

ADDRESS AT WELL LOCATION **355 Cottonwood**
Fernley, NV 89408
Subdivision Name: *County:* **Lyon**

2. LOCATION **NW¼NW¼ Sec24T20N / R24E**
PERMIT/WAIVER NO. 22204 ~~17661~~ 27437 **021-171-36**
Issued by Water Resources Parcel. No.

Latitude **39.59231** UTM E ☐ NAD 27
Longitude **-119.24547** N ☒ NAD 83/WGS 84

3. TYPE OF WELL
☐ Domestic ☐ Irrigation ☐ Test
☒ Municipal/Industrial ☐ Monitor ☐ Stock

Is this well being plugged because a replacement well was drilled? ☐ Yes ☒ No
If yes, what is replacement well NOI?

Is there an existing well log? ☒ Yes ☐ No
If yes, what is NDWR well log #? **4031**

4. *EXISTING WELL CONSTRUCTION*
Depth Drilled **207** Feet Depth Cased **207** Feet

EXISTING CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
10"	18.7	.165	0	207

Existing Perforations:
Type of perforation ?
Size of perforation 3-16" X 2"

From **90** feet to **207** feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

5. *WATER LEVEL*
Static water level: **187** feet below land surface
Artesian flow: G.P.M. P.S.I
Water Temperature: **?** °F Quality **Not tested**

6. Additional Notes or Comments

Well #1-Northern most well.
This well had a 6" turbine pump that was stuck in the well. We tried pulling and jacking the turbine pump out of the well without success. We learned that another pump complany had also tried without success.
We then plasma cut the base of the turbine from the well head and were able to access the turbine and the well casing. After cutting the base of the turbine pump from the column pipe, the column pipe did not drop down into the well as it was stuck. We abandoned the well by pouring 12 sacks of Bentonite Chips into the well (in the column pipe and in the annular space between the column pipe and the casing. Once the water was covered with chips, we then poured 24 sacks of Bentonite Crumbles, mixed with water, into the well and colume pipe to 20'. We then poured 13 sacks of neat cement into the 6" turbine column and in the annular space between the 6" and 10" casing to properly and complety abandon and decommission the well. We think that the turbine pump was at the bottom of the well as it had water in it.

7. WELL PLUGGING PROCEDURE
Was well cleaned out to total depth? ☒ Yes ☐ No
If well was not cleaned out to total depth, please explain why:

Was the well contaminated? ☐ Yes ☒ No
Was the casing pulled? ☐ Yes ☒ No
Was the casing over drilled? ☐ Yes ☒ No
If casing was left in place, please show where additional perforations were made:
Additional Perforations:
Type of perforater used:

From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot
From feet to feet Number of perfs per linear foot

8. WELL PLUGGING MATERIALS

				Material Used		
From	**20**	feet to	**207**	feet **Bntonite**	☒ Pumped	☒ Poured
From	**0**	feet to	**20**	feet **Neat**	☐ Pumped	☒ Poured
From		feet to		feet	☐ Pumped	☐ Poured
From		feet to		feet	☐ Pumped	☐ Poured
From		feet to		feet	☐ Pumped	☐ Poured
From		feet to		feet	☐ Pumped	☐ Poured

Neat Cement Fluid Weight **15.0** lbs/gal
Bentonite Grout **>30** % bentonite

Date Started **6-13-12**
Date Completed **6-18-12**

9. DRILLER'S CERTIFICATION
This well was plugged and abandoned 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 **6-18-12, 8-9-'12**

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(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

39.592397 °N
119.244469 °W
NAD 27

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