

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

OFFICE USE ONLY
Log No. 114553
Permit No. 51222
Basin 117

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. 67185

1. OWNER **Esmeralda County School Dist.** ADDRESS AT WELL LOCATION **Dyer Elem. Hwy 264**
MAILING ADDRESS **233 Ramsey St. P.O Box 560** **Dyer, NV 89010**
Goldfield, NV 89013 *Subdivision Name:* _____ *County:* **Esmeralda**

2. LOCATION **NW¼SW¼ Sec 4 T 3 /S R35E** Latitude **37.70562** UTM E _____ NAD 27
PERMIT/WAIVER NO. **51222** Parcel No. **007-281-03** Longitude **118.08683** N _____ NAD 83/WGS 84
Issued by Water Resources

3. WORK PERFORMED New Well Replace Recondition
 Deepen Other _____

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

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

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thick-ness |
|---|--------------|------|-----|------------|
| Silty Sands & Course Sands | | 0 | 30 | 30 |
| Clay Silts Fine light gray sands | | 30 | 50 | 20 |
| Fine Brown Sand, course sands | | 50 | 130 | 80 |
| Fine Brown Sand & Clay | | 130 | 150 | 20 |
| Fine & course brown sand & clay | x | 150 | 230 | 80 |
| Fine & Course brown sand w/ small gravel, Light gray clay | x | 230 | 250 | 20 |
| Small gravel, light gray clay | x | 250 | 270 | 20 |
| LT brown clay, course sand | x | 270 | 290 | 20 |
| Fine, course sand, small gravel w/ brown clay | x | 290 | 315 | 25 |

9. WELL CONSTRUCTION

Depth Drilled **315** Feet Depth Cased **308** Feet

HOLE DIAMETER (BIT SIZE)

| From | To |
|----------------------|-------------------------------|
| 14 1/2 Inches | 0 Feet 315 Feet |
| _____ Inches | _____ Feet _____ Feet |
| _____ Inches | _____ Feet _____ Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|--------------------|---------------------|-------------------------|-------------|------------|
| 8 | 22.36 | .250 | +2 | 308 |

Perforations:

Type of perforation **Factory**

Size of perforation **3/32 X 3**

| From | To |
|--------------------|-----------------|
| 218 feet to | 298 feet |
| _____ feet to | _____ feet |
| _____ feet to | _____ feet |
| _____ feet to | _____ feet |

Date started: **7-28, 20 11**
Date completed: **8-30, 20 11**

7. Water Level

Static water level: **96'** feet below land surface

Artesian Flow: _____ G.P.M. _____ P.S.I

Water Temperature: **cool** °F

Quality: **Unknown**

8. WELL TEST DATA

| TEST METHOD: | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|--|-------------|-------------------------------|--------------|
| <input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift | | | |
| Air | 150+ | | 3 |

Annular Seal: Yes No

| Material | Thickness | Application |
|--|----------------|--|
| <input checked="" type="checkbox"/> Neat Cement | 190 to 0 | <input checked="" type="checkbox"/> Pumped <input type="checkbox"/> Poured |
| <input type="checkbox"/> Cement Grout | _____ to _____ | <input type="checkbox"/> Pumped <input type="checkbox"/> Poured |
| <input type="checkbox"/> Concrete Grout | _____ to _____ | <input type="checkbox"/> Pumped <input type="checkbox"/> Poured |
| <input type="checkbox"/> ≥30% Bentonite Grout | _____ to _____ | <input type="checkbox"/> Pumped <input type="checkbox"/> Poured |
| Gravel Pack: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 315 to 195 | <input type="checkbox"/> Pumped <input type="checkbox"/> Poured |
| Type: 6x16 | | |
| Bentonite Chips: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 190 to 195 | <input type="checkbox"/> Pumped <input checked="" type="checkbox"/> Poured |
| Type: 3/8 | | |

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**

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 **9-16-11**

2011 OCT 12 AM 11:16
STATE ENGINEERS OFFICE

DCNR/DWR
RECEIVED

OCT 17 2011

LAS VEGAS OFFICE