

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

OFFICE USE ONLY  
Log No. 108492  
Permit No. \_\_\_\_\_  
Basin 212

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

1. OWNER Pioneer Americas LLC ADDRESS AT WELL LOCATION South of Warm Springs Rd & East of Eastgate Rd. 350 Fourth St. LV NV  
MAILING ADDRESS 190 Coronado Ave #1530 St Louis, MO 63105-3467 Subdivision Name: \_\_\_\_\_ County: CLARK  
2. LOCATION SW 1/4 SW 1/4 Sec 12 T 22 N R 6 E Latitude 36 02 36" UTM E  NAD 27  
PERMIT/WAIVER No. 13 17813101007 Longitude 115 00 38" N  NAD 83/WGS 84  
Issued by Water Resources Parcel No. \_\_\_\_\_

3. WORKED PERFORMED  New Well  Replace  Recondition  Deepen  Other  
4. PROPOSED USE  Domestic  Irrigation  Test  Stock  Municipal/Industrial  Monitor  
5. WELL TYPE  Cable  Rotary  RVC  Air  Other Roto Sonic

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>Silty Sand</u>		<u>0</u>	<u>38</u>	<u>38</u>
<u>Silty Sand with Gravels</u>		<u>38</u>	<u>55</u>	<u>17</u>
<u>Gravelly Sand</u>	<u>X</u>	<u>55</u>	<u>65</u>	<u>10</u>
<u>Clayey Silt</u>	<u>X</u>	<u>65</u>	<u>75</u>	<u>10</u>

9. WELL CONSTRUCTION  
Depth Drilled 75 Feet Depth Cased 67 Feet  
HOLE DIAMETER (BIT SIZE)  
From 0 To 75  
8 Inches 0 Feet 75 Feet  
Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
Inches \_\_\_\_\_ Feet \_\_\_\_\_ Feet  
CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>4.5</u>	<u>2.86</u>	<u>.337</u>	<u>0</u>	<u>44</u>
<u>4.5</u>	<u>2.86</u>	<u>.337</u>	<u>64</u>	<u>67</u>

Perforations: Factory Slot  
Type of perforation \_\_\_\_\_  
Size of perforation .010  
From 44 feet to 64 feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Annular Seal:  Yes  No  
 Neat Cement \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout 0 to 3  Pumped  Poured  
 ≥30% Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
Gravel Pack:  Yes  No 41 to 65  Pumped  Poured  
Type: 10-20 Sand 39 to 41 # 60 Sand  
Bentonite Chips:  Yes  No 65 to 75  Pumped  Poured  
Type: 1/4 Pellets 36 to 39

Date started: 5-30 20 09  
Date completed: 6-15 20 09

7. Water Level  
Static water level: 54 feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: \_\_\_\_\_ °F  
Quality: \_\_\_\_\_

8. WELL TEST DATA

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

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name Boart Longyear Co Contractor  
Address 7773 W Seldox Ln Peoria, Ar 85345 Contractor  
Nevada contractor's license number \_\_\_\_\_  
issued by the State Contractor's Board 0010157  
Nevada driller's license number issued by the Division of Water Resources, the on-site driller M-2147  
Signed \_\_\_\_\_  
By driller performing actual drilling on site or contractor  
Date 7-8-09

DCNR/DWR  
RECEIVED  
JUL 13 2009  
LAS VEGAS OFFICE

USE ADDITIONAL SHEETS IF NECESSARY

(Rev. 05-00)