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

OFFICE USE ONLY
Log No. 114788
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

NOTICE OF INTENT NO. 36852

1. OWNER Pioneer Americas LLC
MAILING ADDRESS 600 Powder Mill Rd.
East Alton IL 62024-1273

ADDRESS AT WELL LOCATION 350 Fourth St
Henderson NV 89015
Subdivision Name: County: Clark

2. LOCATION NW ¼ NW ¼ Sec 13 T 22S N/S R 62 E
PERMIT/WAIVER No. 178-13-101-007
Issued by Water Resources Parcel No.

Latitude
Longitude
UTM E 825272.679 ☐ NAD 27
N 26716410.684 ☐ NAD 83/WGS 84

3. WORKED 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
gravelly silty sand brown		0	2	2
Silty sand with gravels light brwn		2	10	8
Silty gravelly sand light brwn		10	25	15
sandy silt dense brwn		25	35	10
clyey silt caliche		35	40	5
Clayey Silt Brown		40	45	5
sandy clayey silt		45	50	5
Clayey Silt Brown		50	60	10
clayey silty sand		60	195	135
clayey snady silt light brwn		195	215	20
sandy clayey silt		215	240	25
gravely sandy clayey silt		240	265	25

DCNR/DWR
RECEIVED
JAN 12 2012
LAS VEGAS OFFICE

Date started: 6-Dec , 20 11
Date completed: 9-Dec , 20 11

9. WELL CONSTRUCTION
Depth Drilled 271 Feet Depth Cased 265 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
22	Inches	0	Feet	72	Feet
14.75	Inches	65	Feet	192	Feet
7.78	Inches	160	Feet	271	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	47.22	.281	0	70
10.75	28.06	.251	0	190
4.500	2.75	0.337	+3	230

Perforations:
Type of perforation Factory Slotted
Size of perforation 0.010
From 230 feet to 260 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 160 ☒ Pumped ☐ Poured
☐ Cement Grout 0 to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout 0 to 220 ☒ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 221 to 271 ☒ Pumped ☐ Poured
Type: # 2/12
Bentonite Chips: ☐ Yes ☒ No 216 to 221 ☐ Pumped ☒ Poured
Type: Bentonite 1/4" TR30 Pellets

7. Water Level
Static water level: 9.65 feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I.
Water Temperature: N/A °F
Quality: Good

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☒ Pump ☐ 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 WDC Exploration & Wells (Contractor)
Address 739 W Sunset Rd (Contractor)
Henderson NV 89011
Nevada contractor's license number issued by the *State Contractor's Board* 012852
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2057-T1
Signed Bob M (By driller performing actual drilling on site or contractor)
Date 1/11/2012

(Rev. 05-06)
USE ADDITIONAL SHEETS IF NECESSARY