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

OFFICE USE ONLY
Log No. 113413
Permit No.
Basin

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. 32383

1. OWNER Pioneer Americas LLC
MAILING ADDRESS 190 Carondelet Plaza #1530
St. Louis, MO 63105-3467

ADDRESS AT WELL LOCATION West of 4th Street & South of Warm Springs Rd.
350 Fourth ST.
Subdivision Name: County: Clark

2. LOCATION NW ¼ SW ¼ Sec 12 T 22 N/S R 62 E
PERMIT/WAIVER No. 17813-101-007
Issued by Water Resources Parcel No.

Latitude 36 02.800'
Longitude -115 00.506
UTM E N
☐ NAD 27 ☒ 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 RotoSonic

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Sand		0	20	20
Gravel		20	38	18
Caliche		38	42	4
Silty Sand		42	123	81
Silty Clay		123	150	27

DCNR/DWR
RECEIVED
NOV 19 2010
LAS VEGAS OFFICE

Date started: 10-13, 20 10
Date completed: 10-17, 20 10

9. WELL CONSTRUCTION
Depth Drilled 150 Feet Depth Cased 123 Feet

HOLE DIAMETER (BIT SIZE)

		From	To
9	Inches	Feet	Feet
	Inches	Feet	Feet
	Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4.5	10.8	.237	0	100
4.5	10.8	.237	120	123

Perforations:
Type of perforation Factory Slot
Size of perforation
From 100 feet to 120 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 2 to 92 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 97 to 126 ☐ Pumped ☒ Poured
Type: 10-20
Bentonite Chips: ☒ Yes ☐ No 126 to 150 ☐ Pumped ☒ Poured
Type: 3/8 Chips 92 97

7. Water Level
Static water level: 44 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

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 Boart Longyear Company
Contractor
Address 7773 W Seldon Ln
Contractor
Peoria, Az 85345
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 11-17-10

(Rev. 05-08)

USE ADDITIONAL SHEETS IF NECESSARY