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

OFFICE USE ONLY
Log No. 108486
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. 61793

1. OWNER Tronox LLC
MAILING ADDRESS PO Box 268859
Oklahoma City, OK 73126-8859

ADDRESS AT WELL LOCATION East of Eastgate Rd & South of Warm Springs Rd
Subdivision Name: County: Clark

2. LOCATION NW ¼ NW ¼ Sec 12 T 22 N/S R 62 E
PERMIT/WAIVER No. 178/2101003
Issued by Water Resources Parcel No.

Latitude 36 03' 11" Longitude 115 00' 35"
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 Roto Sonic

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Silty Sand		0	10	10
Gravelly Sand		10	29	19
Silty Sand		29	30	1
Sandy Silt		30	37	7
Silty Sand	X	37	40	3
Clayey Silt	X	40	45	5

Date started: 5-5 , 20 09
Date completed: 6-14- , 20 09

7. Water Level
Static water level: 34 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)

DCNR/DWR RECEIVED
JUL 13 2009
LAS VEGAS OFFICE

9. WELL CONSTRUCTION
Depth Drilled 45 Feet Depth Cased 44 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
6	Inches	0	Feet	45	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.375	.69	.154	0	21
2.375	.69	.154	41	44

Perforations:
Type of perforation Factory Slot
Size of perforation .010
From 21 feet to 41 feet
From feet to feet
From feet to feet
From feet to 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 3 to 11 ☒ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 43 to 16 ☐ Pumped ☒ Poured
Type: 10-20 Sand 16 14 #60 Sand
Bentonite Chips: ☒ Yes ☐ No 45 to 43 ☐ Pumped ☒ Poured
Type: 3/8 chips 14 11

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
of Contractor
Address 7773 W Sellon 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 7-8-09

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY