M-144

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

OFFICE USE ONLY
Log No. 109142
Permit No.
Basin

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirely in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 34491

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

ADDRESS AT WELL LOCATION North of Lake Mead Pkwy & East of 4th St.
Subdivision Name:
County: Clark

2. LOCATION NE ¼ NW ¼ Sec 13 T 22 N/S R 62 E
PERMIT/WAIVER No. 178 13 101 002
Issued by Water Resources Parcel No.

Latitude 36 02 . 456
Longitude 116 00 . 202
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 Sonic

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Silty Sand		0	17	17
Sandy Silt with Gravels		17	29	12
Silty Sand		29	36	7
Sandy Silt		36	45	9

Date started: 9-8, 20 09
Date completed: 9-10, 20 09

9. WELL CONSTRUCTION
Depth Drilled 45 Feet Depth Cased 45 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	35

Perforations:
Type of perforation Factory Slot
Size of perforation .020
From 35 feet to 45 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 26 ☒ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 30 to 45 ☐ Pumped ☒ Poured
Type: 10-20
Bentonite Chips: ☒ Yes ☐ No 26 to 30 ☐ Pumped ☒ Poured
Type: 3/8 Chips

7. Water Level
Static water level: 37 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 Co
Contractor
Address 7773 W Sheldon 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 9-11-09

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627