M-147

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

OFFICE USE ONLY
Log No. 109144
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. 34494

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

ADDRESS AT WELL LOCATION South of Warm Springs Rd & West of Boulder Hwy.
Subdivision Name: County: Clark

2. LOCATION NW ¼ SE ¼ Sec 12 T 22 N OR 62 E
PERMIT/WAIVER No. 178 12 701 003
Issued by Water Resources Parcel No.

Latitude 36 02.764
Longitude 115 00.008
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
Sand with Silt		0	17	17
Sand with Gravel	X	17	37	20
Silty Clay		37	40	3

Date started: 8-15, 20 09
Date completed: 8-17, 20 09

9. WELL CONSTRUCTION
Depth Drilled 40 Feet Depth Cased 40 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 Inches	0 Feet	40 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	+3	25

Perforations:
Type of perforation Factory Slot
Size of perforation .020
From 25 feet to 40 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 16 ☒ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 20 to 40 ☐ Pumped ☒ Poured
Type: 10-20
Bentonite Chips: ☒ Yes ☐ No 16 to 20 ☐ Pumped ☒ Poured
Type: 3/8 Chips

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)

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 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 9-2-09

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY