M-155

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

OFFICE USE ONLY
Log No. 109147
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. 32372

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

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

2. LOCATION SE ¼ NW ¼ Sec 12 T 22 N R 62 E
PERMIT/WAIVER No. 178-12-201-004
Issued by Water Resources Parcel No.

Latitude 36° 03' 11"
Longitude 115 00 34"
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
gravelly Sand.		0	34	34
Sandy Silt		34	137	103
Clay		137	147	10
Sandy Silt		147	199	52
Clayey Sandy Silt		199	217	18
Sandy Silt		217	220	3

Date started: 10-4, 20 09
Date completed: 10-9, 20 09

9. WELL CONSTRUCTION
Depth Drilled 220 Feet Depth Cased 220 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
6 Inches	0 Feet	220 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	200

Perforations:
Type of perforation Factory Slot
Size of perforation .020
From feet to feet
From 200 feet to 220 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 189 ☒ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 194 to 220 ☐ Pumped ☒ Poured
Type: 10-20 Sand.
Bentonite Chips: ☒ Yes ☐ No 189 to 194 ☐ Pumped ☒ Poured
Type: 3/8 Chips.

7. Water Level
Static water level: 0' 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 10-19-09

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627