



Pima Environmental Services
5614 N. Lovington Highway
Hobbs, NM 88240
575-964-7740

June 22, 2022

NMOCD District 2
 811 S. First Street
 Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Report (Revised)
Boyd X State #010 Battery
API No. 30-015-28541
GPS: Latitude 32.65550 Longitude -104.48760
UL- O, Sec. 16, T19S, R25E
Eddy County, NM
NMOCD Ref. No. NCS2002754182

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Boyd X State #010 Battery (Boyd). The initial C-141 was submitted on November 21, 2019 (Appendix C). This incident was assigned Incident ID NCS2002754182, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Boyd is located approximately thirteen (13) miles southwest of Artesia, NM. This spill site is in Unit O, Section 16, Township 19S, Range 25E, Latitude 32.65550, Longitude -104.48760, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation – Piedmont alluvial deposits (Holocene to lower Pleistocene). Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Reagan-Upton association, 0 to 9 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a medium potential for karst geology to be present around the Boyd (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 95 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is less than 50 feet BGS. According to Atkins Engineering Associates Inc., the nearest groundwater is 61.2 feet BGS. The closest waterway is Brantley Lake located approximately 6.94 miles to the southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NCS2002754182: On November 11, 2019, a valve failure occurred on a produced water transfer line causing the release. The total volume of fluid released was calculated to be approximately 15 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 12 bbls of standing fluid.

Site Assessment and Soil Sampling Results

On November 11, 2019, EOG Resources mobilized personnel to the site to assess the area and begin remedial activities. They removed all contaminated soils from the spill area. These contaminated soils were hauled to an approved NMOCD facility for disposal. More details of this remediation can be found in Appendix F, which is the previously rejected NMOCD closure report.

On November 18, December 3, and December 11, 2019, EOG Resources returned to the site to collect samples for vertical and horizontal delineation. The results of this sampling event can also be found in Appendix F.

On July 22, 2021, Pima Environmental mobilized personnel to the site to re-assess the excavated area. The results of this sampling event can be found in the following table. A Site map can be found in Figure 4.

7-22-21 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51'-100')								
Spur Energy - Boyd X State #10 Battery								
Sample Date 7/22/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
N. Comp Wall	1'						0	496
E. Comp Wall	1'						0	14100
S. Comp Wall	1'						0	224
W. Comp Wall	1'						0	256
CS-1 Surface	0-6"						0	6660
CS-1 1.5'	1.5"						0	6000
CS-2 Surface	0-6"						0	2600
CS-2 1.5'	1.5"						0	4660
CS-3 Surface	0-6"						0	512
CS-4 Surface	0-6"						0	672

ND- Analyte Not Detected

Remediation Activities

On August 30, 2021, Pima returned to the site to treat the impacted area around E. Comp Wall with a bioremediation chemical solution. All other sample points were already below closure criteria according to Table 1 of 19.15.29.12 NMAC. Upon lab confirmation, Pima will return to backfill with clean material, then pack and recontour to match the area to its surroundings.

On September 2, 2021, after sending out a 48-hour notification (Appendix C), Pima returned to the site to collect confirmation samples of the treated area. A 5-point composite was taken from the E. Comp Wall. The laboratory results of this sampling even can be found in the following table.

9-2-21 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51'-100')								
Spur Energy - Boyd X State #10 Battery								
Sample Date 9/2/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
E. Comp Wall	1'	--	--	--	--	--	0	ND

ND – Analyte Not Detected

On June 12, 2022, Pima returned to the site due to an OCD rejection to conduct further remedial activities. We excavated the E. Comp Wall area to a depth of 4', then collected confirmation samples from the area and beyond to verify all soil was under the regulatory limits. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in. A Confirmation Sample Map can be found in Figure 5.

6-12-22 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51'-100')								
Spur Energy - Boyd X State #10 Battery								
Sample Date: 6/12/2022		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
ESW1	1'	ND	ND	ND	27.1	53.7	80.8	1410
	3'	ND	ND	ND	ND	ND	0	1510
	5'	ND	ND	ND	25.9	50	75.9	1510
ESW2	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	1530
	5'	ND	ND	ND	ND	ND	0	1510
ESW3	1'	ND	ND	ND	ND	ND	0	ND
	3'	ND	ND	ND	ND	ND	0	54.6
	5'	ND	ND	ND	ND	ND	0	1460

ND – Analyte Not Detected

Complete Laboratory Reports are attached in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NCS2002754182, be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Tom Bynum at 575-964-7740 or tom@pimaoil.com.

Respectfully,

Tom Bynum

Tom Bynum
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form & 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports
- Appendix F – Previously Rejected NMOCD Closure Report



Pima Environmental Services

Figures:

- 1 - Location Map
- 2 - Topographic Map
- 3 - Karst Map
- 4 - Site Map
- 5 – Confirmation Sample Map

Boyd X St 10 Battery

Spur Energy
AP# 30-015-28541
Eddy County, NM
Location Map

Legend

● Boyd X State #10

Hope

Artesia

Atoka

Boyd X State #10

Lakewood

Google Earth

10 mi

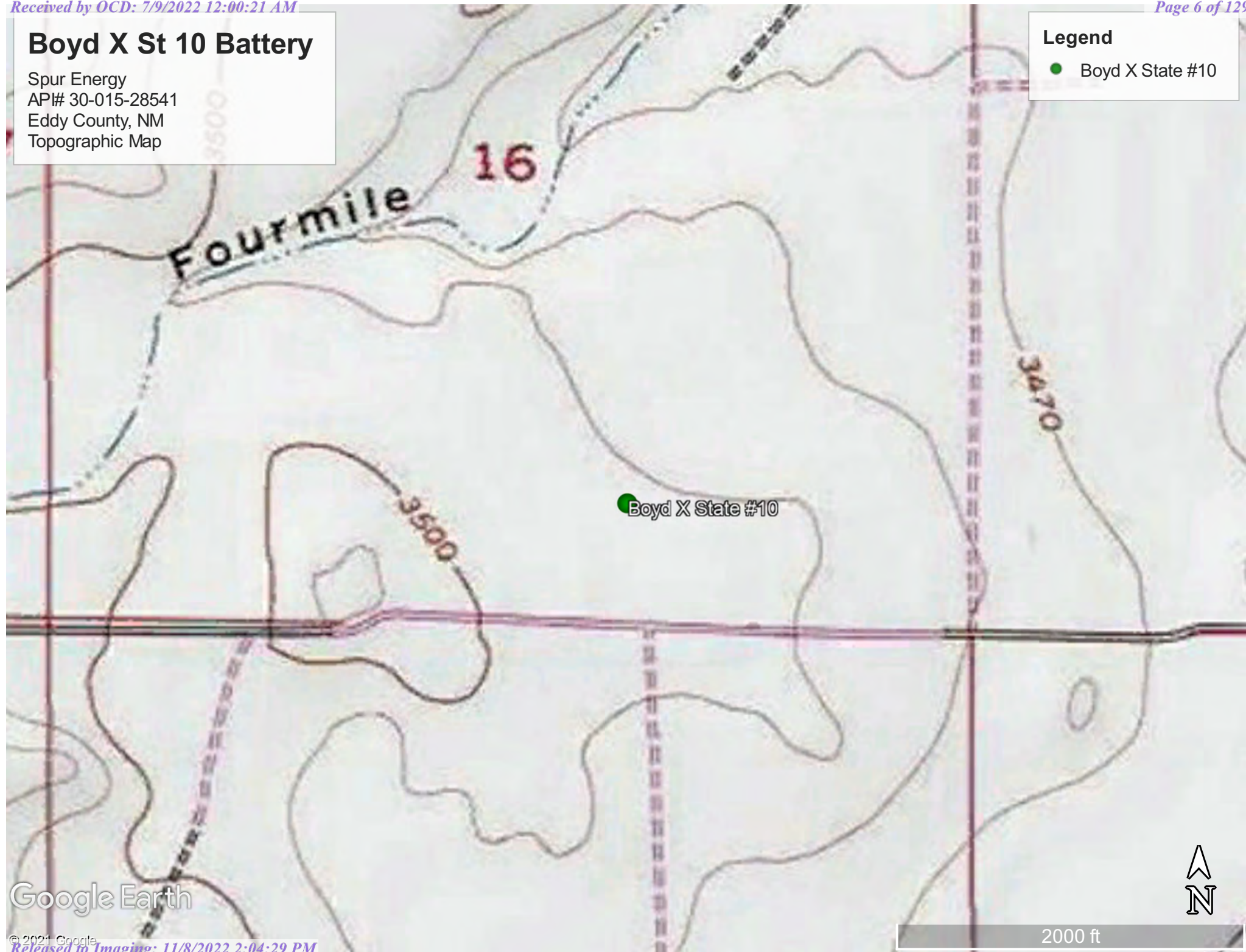


Boyd X St 10 Battery

Spur Energy
AP# 30-015-28541
Eddy County, NM
Topographic Map

Legend

● Boyd X State #10



Google Earth

2000 ft



Boyd X St 10 Battery

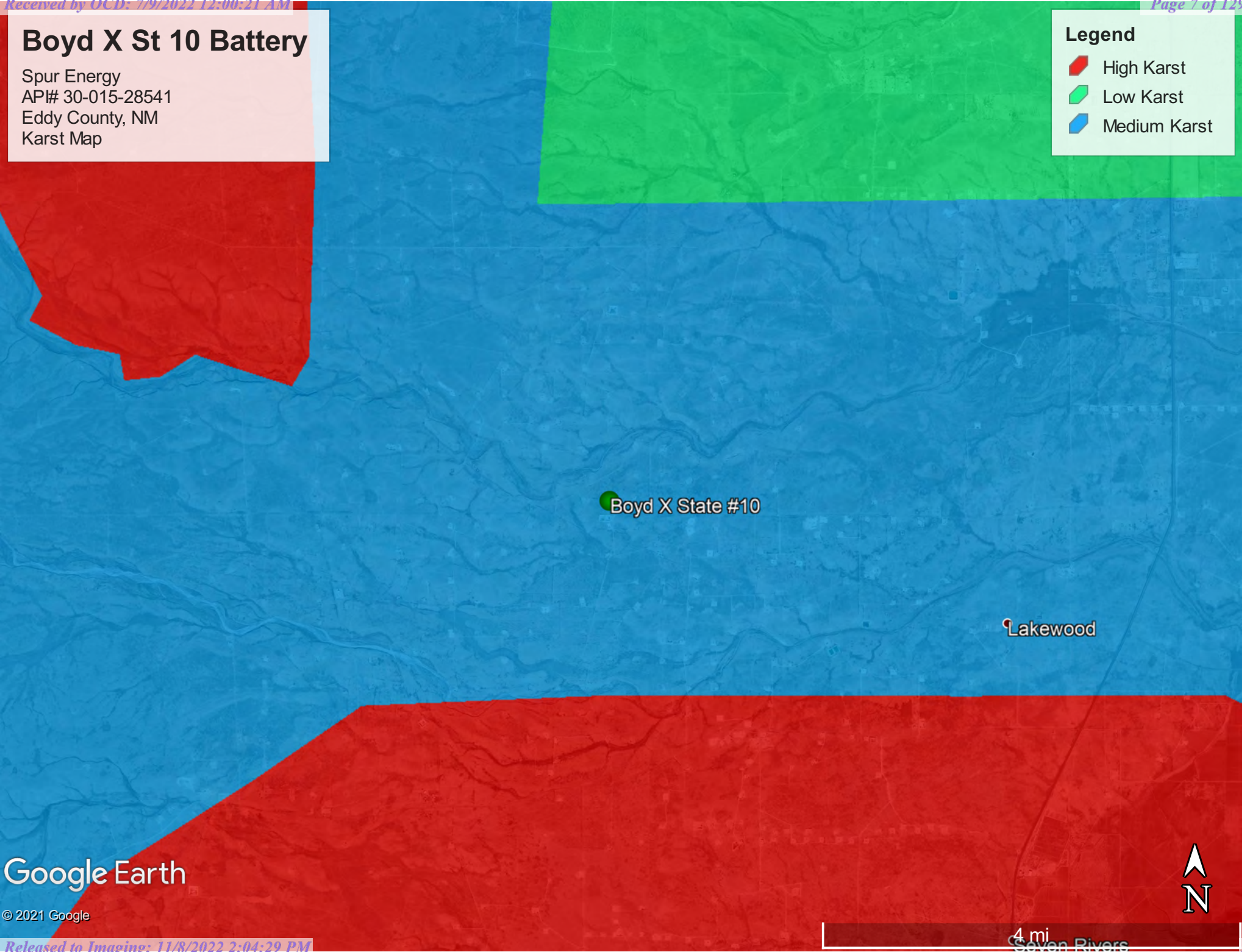
Spur Energy
AP# 30-015-28541
Eddy County, NM
Karst Map

Legend

High Karst

Low Karst

Medium Karst



Google Earth

© 2021 Google

4 mi

Seven Rivers

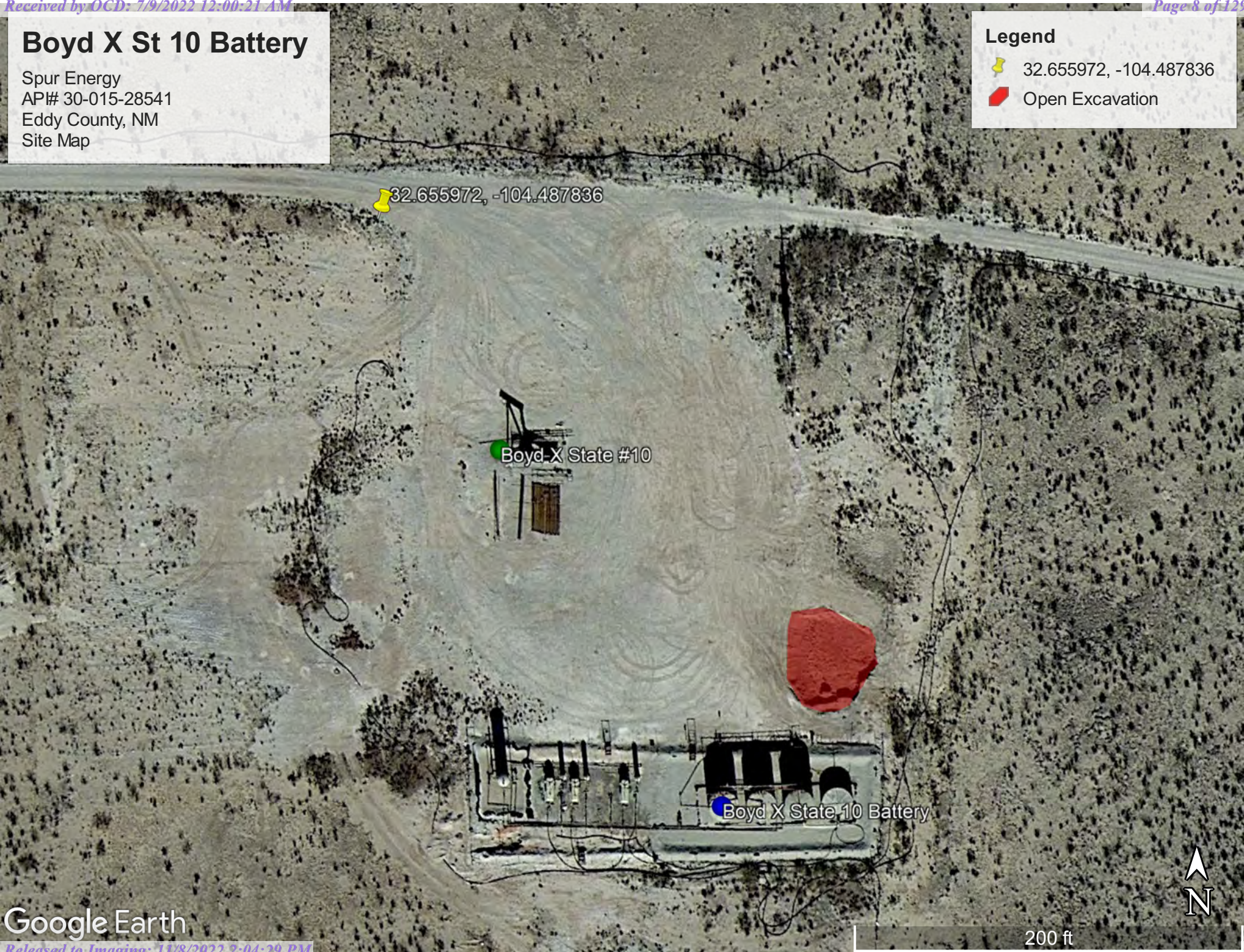
Boyd X St 10 Battery

Spur Energy
AP# 30-015-28541
Eddy County, NM
Site Map

Legend

 32.655972, -104.487836

 Open Excavation



Boyd X State 10 Battery

Spur Energy
API #30-015-28541
Eddy County, NM
Confirmation Sample Map

Legend

- Confirmation Samples
- E. Comp Wall



Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Atkins Engineering

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 05900		RA	ED	2	2	16	19S	25E		548442	3614424*	1273	185	95	90
RA 02909		RA	ED	1	3	22	19S	25E		548864	3611989*	1426	188	130	58
RA 08986		RA	ED	1	3	3	22	19S	25E	548825	3611507	1836	320	220	100
RA 05450		RA	CH	4	2	15	19S	25E		550057	3614015*	2117	204	80	124
RA 06418		RA	ED	1	2	3	17	19S	25E	545925	3613710*	2238	120	72	48
RA 03304		RA	ED		1	27	19S	25E		549081	3610973*	2428	130	60	70
RA 05333		RA	ED	2	2	09	19S	25E		548430	3616046*	2867	315	260	55
RA 11654 POD1		RA	ED	3	2	19	19S	25E		544959	3612514	3218	500		
RA 04726		RA	ED	3	2	19	19S	25E		544825	3612390*	3376	390	310	80
RA 12222 POD1		RA	ED	2	4	2	30	19S	25E	545284	3610884	3646			
RA 04426		RA	CH	4	3	18	19S	25E		544412	3613201*	3692	715		

Average Depth to Water: **153 feet**

Minimum Depth: **60 feet**

Maximum Depth: **310 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 548104.1

Northing (Y): 3613196.59

Radius: 4000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/30/21 7:33 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



[USGS Home](#)
[Contact USGS](#)
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National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 323922104284301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323922104284301 19S.25E.15.33334

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'22", Longitude 104°28'43" NAD27

Land-surface elevation 3,471 feet above NAVD88

The depth of the well is 495 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

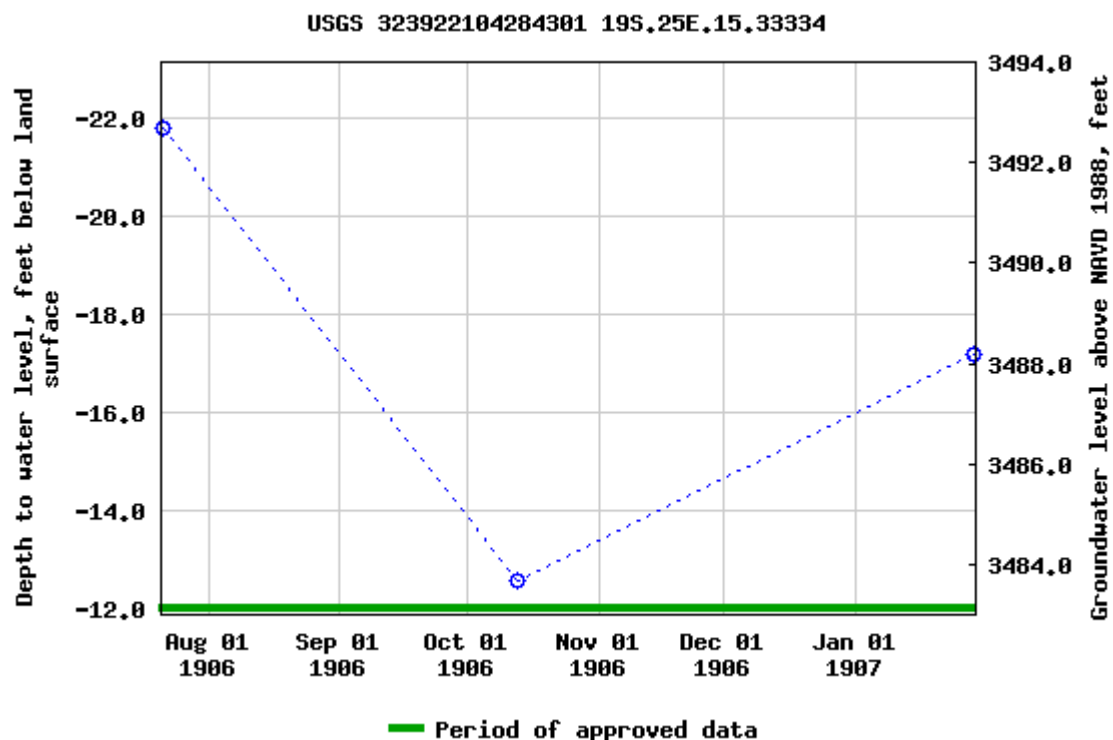
Output formats

[Table of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-07-30 09:35:12 EDT

0.55 0.47 nadww02



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National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

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Search Results -- 1 sites found

site_no list =

- 323911104282201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323911104282201 19S.25E.22.12431

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'11", Longitude 104°28'22" NAD27

Land-surface elevation 3,470 feet above NAVD88

The depth of the well is 285 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

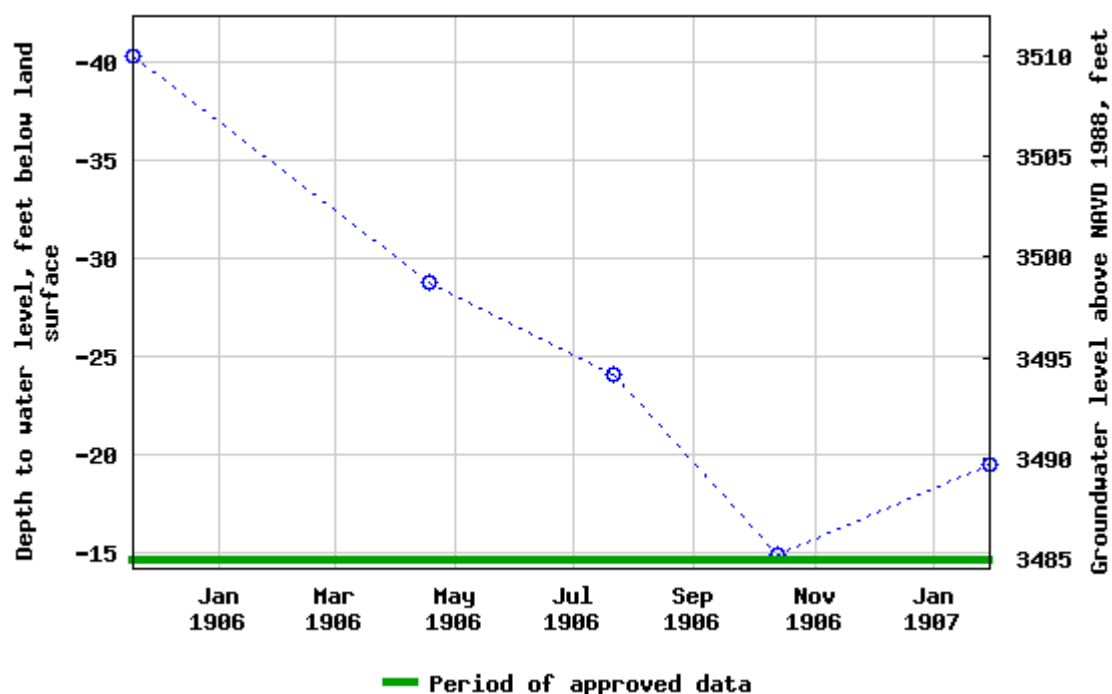
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

USGS 323911104282201 19S.25E.22.12431



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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-07-30 09:36:00 EDT




0.57 0.49 nadww02



Boyd X State 10 Battery

Spur Energy
AP# 30-015-28541
Eddy County, NM
Atkins Eng. Well Map

Legend

-  280'
-  MW-1 (32.655787, -104.487946)
-  Open Excavation

MW-1 (32.655787, -104.487946)

Boyd X State 10 Battery

Google Earth

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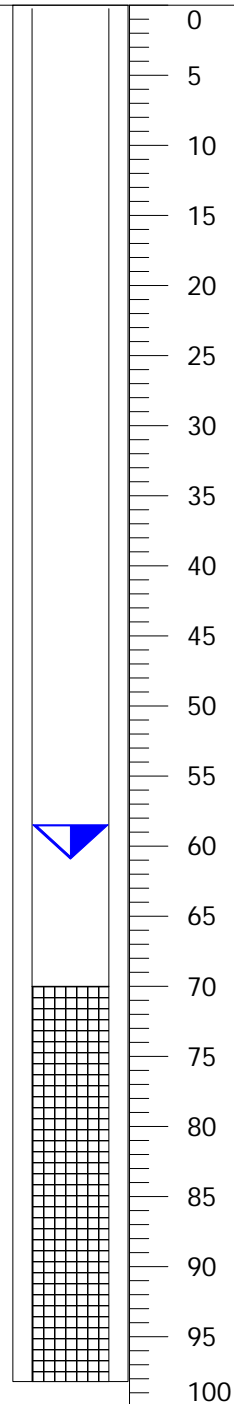
300 ft



Atkins Engineering Associates Inc.
2904 W 2nd St. | Roswell, NM 88201
Office 575.624.2420 | Fax 575.624.2421
www.atkinseng.com

MW-1
Boyd X State #10
Camera (Heron)
8/4/21 7:30am

Water Level 61.2





NOTES- Casing was 2" Certa-Loc, only the casing was gauged and viewed via Heron down hole camera
approx location is 32.655787 -104.487946, well construction is unknown

Boyd X St 10 Battery

Spur Energy
AP# 30-015-28541
Eddy County, NM
Surface Water Map

Legend

-  6.94 Miles
-  Brantley Lake

Boyd X State #10

Brantley Lake

Google Earth

2 mi





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RE—Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d
Elevation: 1,100 to 5,400 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 180 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent
Upton and similar soils: 25 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Alluvial fans, fan remnants
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R070DY153NM - Loamy
Hydric soil rating: No

Description of Upton

Setting

Landform: Fans, ridges
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070DY159NM - Shallow Loamy
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Pima

Percent of map unit: 2 percent
Ecological site: R042XC017NM - Bottomland

Map Unit Description: Reagan-Upton association, 0 to 9 percent slopes---Eddy Area, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

National Flood Hazard Layer FIRMMette



104°29'32"W 32°39'34"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°28'55"W 32°39'4"N

Released to Imaging: 11/8/2022 2:04:29 PM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/31/2021 at 2:37 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NCS2002754182
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Chase Settle	Contact Telephone	575-748-1471
Contact email	Chase_Settle@eogresources.com	Incident # (assigned by OCD)	NCS2002754182
Contact mailing address	104 South 4th Street, Artesia, NM 88210		

Location of Release Source

Latitude 32.65530 Longitude -104.48707
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Boyd X State #10 Battery	Site Type	Battery
Date Release Discovered	11/11/2019	API# (if applicable)	

Unit Letter	Section	Township	Range	County
O	16	19S	25E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 15	Volume Recovered (bbls) 12
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Valve failure occurred on a produced water transfer line causing the release.

Form C-141

Page 2


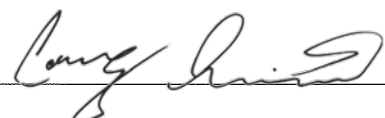
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Safety and Environmental Rep II</u>
Signature: <u></u>	Date: <u>11/21/2019</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
OCD Only Received by: <u></u>	
Date: <u>1/27/2020</u>	

Incident ID	NCS2002754182
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody


If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NCS2002754182
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chad Hensley Title: HSE CoordinatorSignature:  Date: 6/22/2022email: chensley@spurenergy.com Telephone: 346-339-1494**OCD Only**Received by: Jocelyn Harimon Date: 11/08/2022

Incident ID	NCS2002754182
District RP	
Facility ID	
Application ID	


Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chad Hensley Title: HSE Coordinator
Signature:  Date: 6/22/2022
email: chensley@spurenergy.com Telephone: 346-339-1494

OCD Only

Received by: Jocelyn Harimon Date: 11/08/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 11/08/2022
Printed Name: Jocelyn Harimon Title: Environmental Specialist

From: [Tom Bynum](#)
To: ocdonline@state.nm.us; "Hensley, Chad, EMNRD"; cory.smith@state.nm.us; brad.billings@state.nm.us; "Hamlet, Robert, EMNRD"; "Bratcher, Mike, EMNRD"
Cc: "Dakota Neel"; "Braidy Moulder"; "Chris Jones"
Subject: 48-Hour Notification - Confirmation Sampling NCS2002754182
Date: Tuesday, August 31, 2021 12:32:48 PM

Good afternoon,
Pima Environmental would like to notify you that we will be collecting confirmation samples at the Boyd X State #10 Battery for incident ID NCS2002754182. One of our techs is scheduled to be on site for this sampling event at approximately 1:00 p.m. on Thursday, September 2nd.

THANK YOU,

Tom Bynum
Environmental Project Manager
Cell – 580-748-1613
Office – 575-964-7740



Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation



South East Elevation

☼ 298°NW (T) ● 32°39'19"N, 104°29'13"W ±13ft ▲ 3498ft



North East Elevation

☼ 240°SW (T) ● 32°39'19"N, 104°29'13"W ±13ft ▲ 3500ft









Pima Environmental Services

Appendix E

Laboratory Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 29, 2021

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: BOYD X STATE #10

Enclosed are the results of analyses for samples received by the laboratory on 07/28/21 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	07/28/2021	Sampling Date:	07/22/2021
Reported:	07/29/2021	Sampling Type:	Soil
Project Name:	BOYD X STATE #10	Sampling Condition:	Cool & Intact
Project Number:	6-33	Sample Received By:	Tamara Oldaker
Project Location:	SPUR ENERGY - EDDY CO NM		

Sample ID: N. COMP WALL (H211984-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/29/2021	ND	416	104	400	0.00	

Sample ID: E. COMP WALL (H211984-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14100	16.0	07/29/2021	ND	416	104	400	0.00	

Sample ID: S. COMP WALL (H211984-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/29/2021	ND	416	104	400	0.00	

Sample ID: W. COMP WALL (H211984-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/29/2021	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 07/28/2021
Reported: 07/29/2021
Project Name: BOYD X STATE #10
Project Number: 6-33
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 07/22/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 1 SURFACE (H211984-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	07/29/2021	ND	400	100	400	3.92	QM-07	

Sample ID: CS - 1 1.5' (H211984-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	07/29/2021	ND	400	100	400	3.92		

Sample ID: CS - 2 SURFACE (H211984-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	07/29/2021	ND	400	100	400	3.92		

Sample ID: CS - 2 1.5' (H211984-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4660	16.0	07/29/2021	ND	400	100	400	3.92	

Sample ID: CS - 3 SURFACE (H211984-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/29/2021	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 07/28/2021
Reported: 07/29/2021
Project Name: BOYD X STATE #10
Project Number: 6-33
Project Location: SPUR ENERGY - EDDY CO NM

Sampling Date: 07/22/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CS - 4 SURFACE (H211984-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	07/29/2021	ND	400	100	400	3.92	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager






101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 7-28-21 Time: 0915		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Relinquished By: _____		Date: _____ Time: _____		Received By: _____		REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C -4.3 Corrected Temp. °C _____		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) 	
				Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C _____ Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C _____	

~~FOUO-006 R.S.T 06/04/20~~

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Boyd x State #10 Batt

Work Order: E109028

Job Number: 21068-0001

Received: 9/10/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/21

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/16/21

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Boyd x State #10 Batt
Workorder: E109028
Date Received: 9/10/2021 11:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2021 11:20:00AM, under the Project Name: Boyd x State #10 Batt.

The analytical test results summarized in this report with the Project Name: Boyd x State #10 Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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Lynn Jarboe
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Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Tom Brown
Technical Representative
Cell: 832-444-7704
tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Boyd x State #10 Batt	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/16/21 13:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
E-Comp Wall 1'	E109028-01A	Soil	09/02/21	09/10/21	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Boyd x State #10 Batt	Reported: 9/16/2021 1:15:43PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

E-Comp Wall 1'

E109028-01

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY			Batch: 2138025
Chloride	ND	20.0		1	09/15/21	09/15/21	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boyd x State #10 Batt	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/16/2021 1:15:43PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2138025-BLK1)

Prepared: 09/15/21 Analyzed: 09/15/21

Chloride ND 20.0

LCS (2138025-BS1)

Prepared: 09/15/21 Analyzed: 09/15/21

Chloride 246 20.0 250 98.3 90-110

Matrix Spike (2138025-MS1)

Source: E109039-01

Prepared: 09/15/21 Analyzed: 09/15/21

Chloride 276 20.0 250 34.9 96.5 80-120

Matrix Spike Dup (2138025-MSD1)

Source: E109039-01

Prepared: 09/15/21 Analyzed: 09/15/21

Chloride 287 20.0 250 34.9 101 80-120 3.77 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Boyd x State #10 Batt	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/16/21 13:15

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Envirotech Analytical Laboratory

Printed: 9/10/2021 2:22:24PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	09/10/21 11:20	Work Order ID:	E109028
Phone:	(575) 631-6977	Date Logged In:	09/10/21 14:16	Logged In By:	Jessica Liesse
Email:	tom@pimaoil.com	Due Date:	09/16/21 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedEx**Comments/Resolution****Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Boyd X State 10 Battery

Work Order: E206089

Job Number: 21068-0001

Received: 6/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 6/21/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Boyd X State 10 Battery
Workorder: E206089
Date Received: 6/14/2022 1:15:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2022 1:15:00PM, under the Project Name: Boyd X State 10 Battery.

The analytical test results summarized in this report with the Project Name: Boyd X State 10 Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Boyd X State 10 Battery	Reported: 06/21/22 17:58
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
ESW1-1'	E206089-01A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW1-3'	E206089-02A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW1-5'	E206089-03A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW2-1'	E206089-04A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW2-3'	E206089-05A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW2-5'	E206089-06A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW3-1'	E206089-07A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW3-3'	E206089-08A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.
ESW3-5'	E206089-09A	Soil	06/12/22	06/14/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Boyd X State 10 Battery Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 6/21/2022 5:58:29PM
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ESW1-1'

E206089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.2 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.7 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.2 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.7 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	27.1	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	53.7	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	89.7 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	1410	20.0	1	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW1-3'

E206089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.0 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.0 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	96.0 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	1510	20.0	1	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW1-5'

E206089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.8 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.5 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.8 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.5 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	25.9	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	50.0	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	92.2 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	1510	40.0	2	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW2-1'

E206089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.0 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.0 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	86.1 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	ND	20.0	1	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW2-3'

E206089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.4 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.8 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.4 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	93.8 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	96.1 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	1530	40.0	2	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW2-5'

E206089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.8 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	91.7 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.8 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	91.7 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	100 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	1510	40.0	2	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW3-1'

E206089-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	92.4 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	92.4 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	91.9 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	ND	20.0	1	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW3-3'

E206089-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	92.3 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	92.3 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	101 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	54.6	20.0	1	06/15/22	06/16/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Boyd X State 10 Battery
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
6/21/2022 5:58:29PM

ESW3-5'

E206089-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Benzene	ND	0.0250	1	06/15/22	06/15/22	
Ethylbenzene	ND	0.0250	1	06/15/22	06/15/22	
Toluene	ND	0.0250	1	06/15/22	06/15/22	
o-Xylene	ND	0.0250	1	06/15/22	06/15/22	
p,m-Xylene	ND	0.0500	1	06/15/22	06/15/22	
Total Xylenes	ND	0.0250	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.2 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	92.8 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2225041
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/15/22	06/15/22	
Surrogate: Bromofluorobenzene	94.2 %	70-130		06/15/22	06/15/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		06/15/22	06/15/22	
Surrogate: Toluene-d8	92.8 %	70-130		06/15/22	06/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226003
Diesel Range Organics (C10-C28)	ND	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane	103 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2225043
Chloride	1460	40.0	2	06/15/22	06/16/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boyd X State 10 Battery	Reported: 6/21/2022 5:58:29PM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2225041-BLK1)

Prepared: 06/15/22 Analyzed: 06/15/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			

LCS (2225041-BS1)

Prepared: 06/15/22 Analyzed: 06/15/22

Benzene	2.67	0.0250	2.50		107	70-130			
Ethylbenzene	2.64	0.0250	2.50		106	70-130			
Toluene	2.61	0.0250	2.50		104	70-130			
o-Xylene	2.77	0.0250	2.50		111	70-130			
p,m-Xylene	5.50	0.0500	5.00		110	70-130			
Total Xylenes	8.28	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS Dup (2225041-BSD1)

Prepared: 06/15/22 Analyzed: 06/15/22

Benzene	2.61	0.0250	2.50		104	70-130	2.54	23	
Ethylbenzene	2.57	0.0250	2.50		103	70-130	2.65	27	
Toluene	2.55	0.0250	2.50		102	70-130	2.31	24	
o-Xylene	2.69	0.0250	2.50		108	70-130	3.15	27	
p,m-Xylene	5.29	0.0500	5.00		106	70-130	3.95	27	
Total Xylenes	7.98	0.0250	7.50		106	70-130	3.68	27	
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boyd X State 10 Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2022 5:58:29PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2225041-BLK1)

Prepared: 06/15/22 Analyzed: 06/15/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			

LCS (2225041-BS2)

Prepared: 06/15/22 Analyzed: 06/15/22

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.1	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

LCS Dup (2225041-BSD2)

Prepared: 06/15/22 Analyzed: 06/15/22

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130	5.78	20	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boyd X State 10 Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2022 5:58:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2226003-BLK1)

Prepared: 06/20/22 Analyzed: 06/21/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.8		50.0		93.6	50-200			

LCS (2226003-BS1)

Prepared: 06/20/22 Analyzed: 06/21/22

Diesel Range Organics (C10-C28)	482	25.0	500		96.4	38-132			
Surrogate: n-Nonane	44.7		50.0		89.4	50-200			

Matrix Spike (2226003-MS1)

Source: E206089-05

Prepared: 06/20/22 Analyzed: 06/21/22

Diesel Range Organics (C10-C28)	515	25.0	500	ND	103	38-132			
Surrogate: n-Nonane	46.6		50.0		93.3	50-200			

Matrix Spike Dup (2226003-MSD1)

Source: E206089-05

Prepared: 06/20/22 Analyzed: 06/21/22

Diesel Range Organics (C10-C28)	525	25.0	500	ND	105	38-132	2.08	20	
Surrogate: n-Nonane	46.8		50.0		93.5	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Boyd X State 10 Battery	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/21/2022 5:58:29PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2225043-BLK1)

Prepared: 06/15/22 Analyzed: 06/16/22

Chloride ND 20.0

LCS (2225043-BS1)

Prepared: 06/15/22 Analyzed: 06/16/22

Chloride 273 20.0 250 109 90-110

Matrix Spike (2225043-MS1)

Source: E206089-01

Prepared: 06/15/22 Analyzed: 06/16/22

Chloride 1750 20.0 250 1410 134 80-120 M4

Matrix Spike Dup (2225043-MSD1)

Source: E206089-01

Prepared: 06/15/22 Analyzed: 06/16/22

Chloride 1910 20.0 250 1410 198 80-120 8.77 20 M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Boyd X State 10 Battery	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/21/22 17:58

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services Project: <u>Boyd X State 10 Battery</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip <u>Hobbs, NM, 88240</u> Phone: 580-748-1613 Email: <u>tom@pimaoil.com</u> Report due by:					Bill To Attention: <u>Spur Energy</u> Address: City, State, Zip Phone: Email: Pima Project # <u>4-33</u>					Lab Use Only Lab WO# <u>E200089</u> Job Number <u>210680001</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX <u>X</u>										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
1110	6/12/22	S	1	ESW1-1'	1							X								
1115				ESW1-3'	2															
1120				ESW1-5'	3															
1125				ESW2-1'	4															
1130				ESW2-3'	5															
1135				ESW2-5'	6															
1140				ESW3-1'	7															
1145				ESW3-3'	8															
1150				ESW3-5'	9															
Additional Instructions: <u>Bill to Spur - 10016</u> I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Rudy Alvarez</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>6/13/22</u> Time <u>6:13am</u> Received by: (Signature) <u>[Signature]</u> Date <u>6/13/22</u> Time <u>1:45</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>6-13-22</u> Time <u>4:15P</u> Received by: (Signature) <u>[Signature]</u> Date <u>6/14/22</u> Time <u>13:15</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 6/15/2022 1:53:50PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/14/22 13:15	Work Order ID:	E206089
Phone:	(575) 631-6977	Date Logged In:	06/14/22 13:17	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	06/20/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Pima Environmental Services

Appendix F

Previous NMOCD Rejected

Closure Report



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

January 17, 2020

NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Boyd X State #10 Battery
O-16-19S-25E
Eddy County, NM
2RP-

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The report is being submitted accompanying the C-141 Final.

EOG Resources Inc. requests closure.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

A handwritten signature in black ink, appearing to read "Chase Settle", written vertically.

Chase Settle
Rep Safety & Environmental II
EOG Resources, Inc.

EOG Resources, Inc.
Boyd X State #10 Battery
Closure Report
O-16-19S-25E
Eddy County, NM
January 17, 2020
2RP-



Table of Contents

I.	Location.....	1
II.	Background.....	1
III.	Surface and Ground Water.....	1
IV.	NMOCD Ranking Criteria.....	1
V.	Soils.....	2
VI.	Remediation Work.....	2

Tables:

Table 1: Soil Analytical Data

Figures:

Figure 1: Site Map with Sample Points

Photos

Appendices:

Appendix A: Depth to Groundwater Information

Appendix B: NRCS Soil Classification

Appendix C: 100 Year Floodplain Map

Appendix D: Laboratory Soil Data

Appendix E: Form C-141

I. Location

From the intersection of Hwy 285 and Rocking R Red Road (CR 21), head west for 5.9 miles, then take the lease road north and follow main lease road for 1,742 feet, then follow the lease road southeast for 1,881 feet to the location.

II. Background

On November 22, 2019, EOG Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 15 B/PW with 12 B/PW recovered, which occurred on November 11, 2019. This release was caused by the failure of a valve on the produced water transfer line. The affected area impacted by the release is approximately 50 feet by 50 feet on the battery pad. A vacuum truck was called to recover the standing fluid and a backhoe crew was contracted to excavate visually impacted soils. Excavated soils were sent to a NMOCD approved disposal facility during the initial excavation activities. Initial soil sampling was conducted November 18, 2019, after providing notice of sampling to NMOCD and SLO on November 14, 2019. Initial sampling was conducted at four (4) feet below grade surface (bgs), the depth of the release area after the initial excavation process. Horizontal sampling occurred on December 3, 2019, after providing notice of sampling to NMOCD and SLO on November 27, 2019. Laboratory results determined more excavation was needed on the west sidewall. After further excavation of the west sidewall was completed, sampling was again performed on December 11, 2019, with notification sent to NMOCD and SLO on December 9, 2019. All soil samples were sent to a third party laboratory for analysis and laboratory reports are included as Appendix D.

III. Surface and Ground Water

Area geology is Cenozoic Quaternary. Based on information from the New Mexico Office of the State Engineer and the United States Geological Survey National Water Information System (USGS) regarding this location (Section 16, T19S-R25E), depth to groundwater was determined to be 112 feet with the nearest water wells being approximately 0.8 mile to the northeast and 0.88 mile to the southeast. The site sits between the 2 water well sites, with the northeast well lying north of the draw and having a groundwater depth of 95 feet. The southeast well lying south of the draw, same as the release site, has a groundwater depth of 130 feet. Besides the aquifer trend of groundwater being deeper moving south across the draw, elevation for the site and water wells was also evaluated. The release site has an elevation of 3,501 feet above sea level, the water well to the northeast of the site has an elevation of 3,485 feet above sea level, and the water well to the southeast of the site has an elevation of 3,477 feet above sea level. The release site has the highest elevation point of the three, and the southeast water well is the lowest in elevation, but also has groundwater 35 feet deeper than the northeast water well. The elevation differences and trend for groundwater to be found deeper in depth to the south, leads to the determination of approximately 112 feet to groundwater beneath the release site.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being Brantley Lake at approximately 6.7 miles away. The site is located outside of critical karst areas and outside of the 100-year floodplain.

IV. NMOCD Assessment Criteria

The site assessment criteria is as follows:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

energy opportunity growth

Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
GRO + DRO	1,000 mg/kg
Chlorides	20,000 mg/kg

V. Soils

USDA Natural Resources Conservation Service (NRCS) classifies soil in the area as Reagan-Upton, with 0-8% slopes.

VII. Remediation Work

Initial excavation of the site began on November 11, 2019. Activities included the removal of saturated and visibly impacted soils from the surface to a depth of four (4) feet bgs. Once the site was excavated to a depth of four (4) feet and horizontal edges were presumed to be found, sampling activities were conducted. Horizontal sampling activities determined that further excavation was needed along the west sidewall of the excavation. The west sidewall was excavated another two feet horizontally to a depth of four feet, and then sampling activities were conducted again with results confirming that the sidewall was now below the 600 mg/kg standard set forth in 19.15.29.13 NMAC. With the excavation at four feet bgs, soil sample laboratory results confirmed that all vertical sample results had achieved the Table 1 standards, and horizontal sample results confirmed that all sidewalls were within the guidelines for 19.15.29.13. All horizontal samples were collected by way of 5-point composite samples, and no sample representing more than 200 square feet.

All excavated soils were hauled to an NMOCD approved facility for disposal and the backfill for the site will consist of locally sourced, clean, non-contaminated soils of a similar type as was removed. The impacted portion of the pad will be downsized and reclaimed with the seed mix consisting of *Bouteloua curtipendula* (5 lbs/pls/ac), *Bouteloua gracilis* (3 lbs/pls/ac), *Leptochloa dubia* (2 lbs/pls/ac), and *Setaria leucopila* (1 lb/pls/ac), reseeding will occur the next available planting season in July of 2020.

The C-141 Final is included with this closure report, EOG Resources, Inc. requests closure.

Table 1

Soil Analytical Data

Boyd X State #10 Battery
Closure Report
2RP-



January 17, 2020

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V1-4'	4	11/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3800
V2-4'	4	11/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	19900
V3-4'	4	11/18/19	0.091	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	10400
V4-4'	4	11/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16000
V5-4'	4	11/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1230
NH	0-4	12/3/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
EH	0-4	12/3/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
SH	0-4	12/3/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
WH	0-4	12/3/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.4	<10.0	37.4	2640
WH2	0-4	12/11/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336

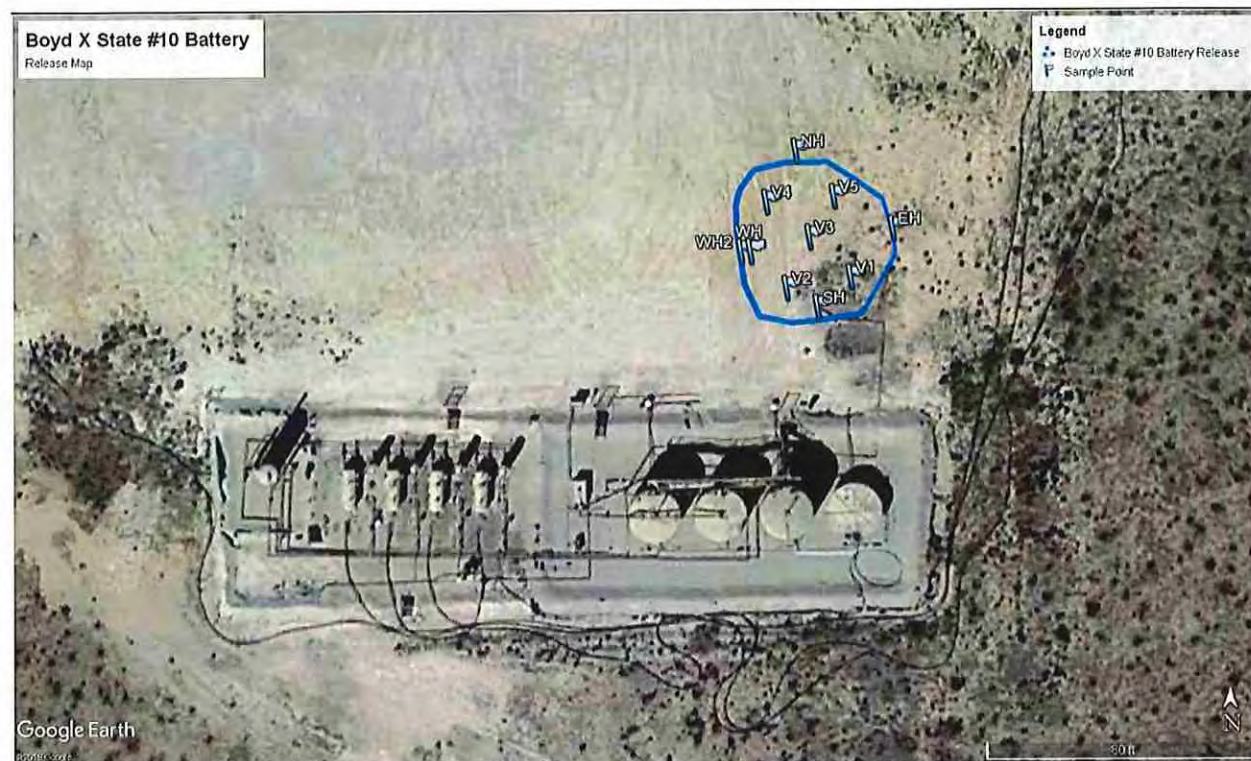
Figure 1

Site Map with Sample Points

Boyd X State #10 Battery
Closure Report
2RP-



January 17, 2020



Photos

Boyd X State #10 Battery
Closure Report
2RP-



January 17, 2020



Appendix A

Depth to Groundwater Information



OSE POD Locations

Points of Diversion visible at 1:19,000 with 1,000 features per view.

Water Rights Look Up

Measurement

|

Measurement Result

Clear

Press CTRL to enable snapping



1:18055

0.3mi

-104.483 32.650 Degrees

All Rights Reserved



New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64Q16Q4 Sec Tws Rng	X	Y
	RA 05900	2 2 16 19S 25E	548442	3614424*

Driller License: 460	Driller Company: JENKINS BROTHERS DRILLING	
Driller Name:		
Drill Start Date: 03/18/1974	Drill Finish Date: 03/19/1974	Plug Date:
Log File Date: 03/25/1974	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 30 GPM
Casing Size: 7.00	Depth Well: 185 feet	Depth Water: 95 feet

Water Bearing Stratifications:		Top	Bottom	Description
		118	122	Sandstone/Gravel/Conglomerate

Casing Perforations:		Top	Bottom
		108	158

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/14/20 1:34 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)	(NAD83 UTM in meters)	
		Q64 Q16 Q4 Sec Tws Rng	X Y	
	RA 02909	1 3 22 19S 25E	548864 3611989*	

Driller License:**Driller Company:****Driller Name:** A.F. SMITH**Drill Start Date:** 06/26/1952**Drill Finish Date:** 07/05/1952**Plug Date:****Log File Date:** 08/11/1952**PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 8.63**Depth Well:** 188 feet**Depth Water:** 130 feet**Water Bearing Stratifications:****Top Bottom Description**

120	130	Sandstone/Gravel/Conglomerate
-----	-----	-------------------------------

*UTM location was derived from PLSS - see Help

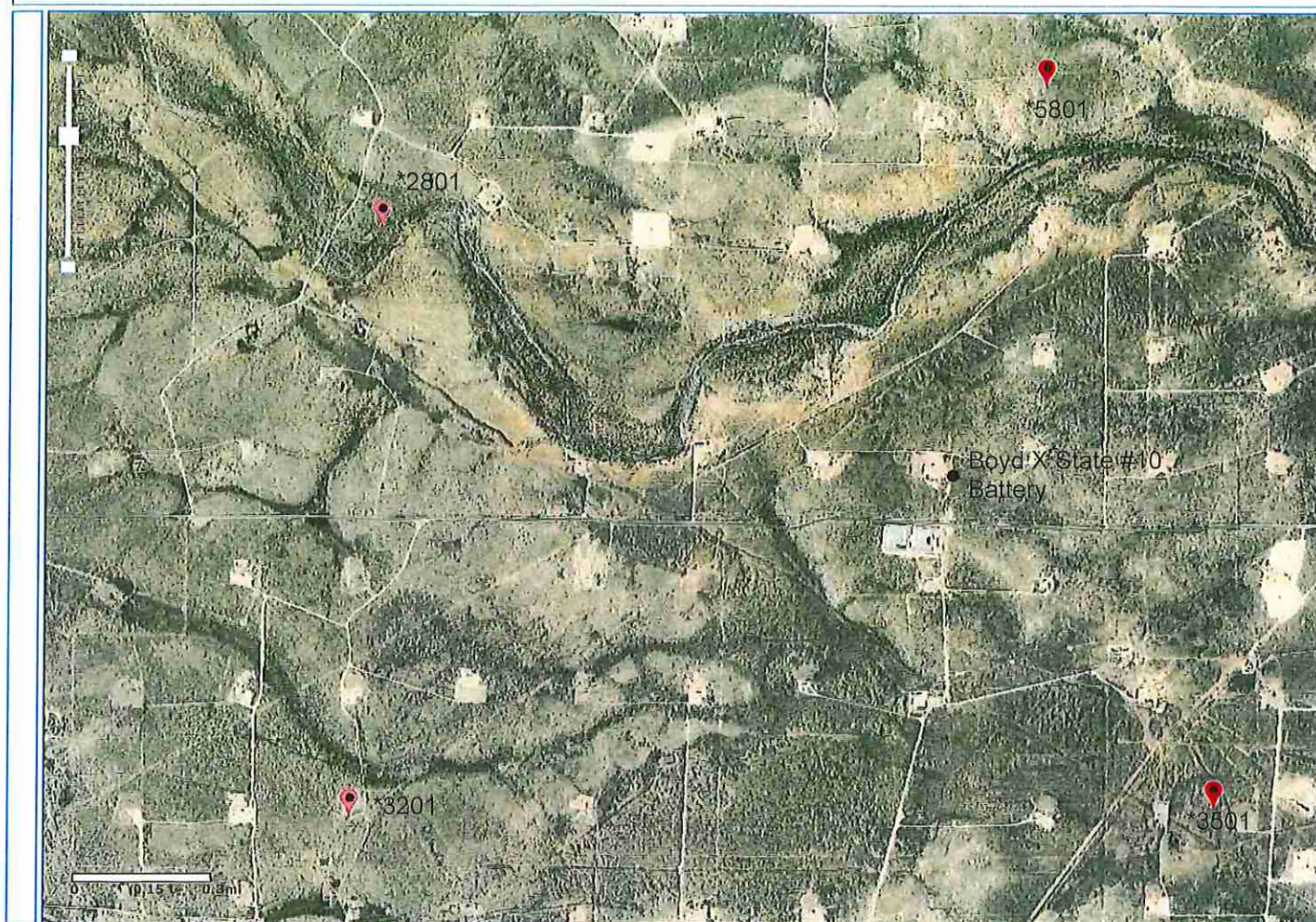
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/14/20 1:34 PM

POINT OF DIVERSION SUMMARY



National Water Information System: Map View





National Water Information System: Web Interface

USGS Water Resources

USGS Home
Contact USGS
Search USGS

Data Category: Geographic Area:

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
• 323948104302801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323948104302801 19S.25E.17.321212

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13060011

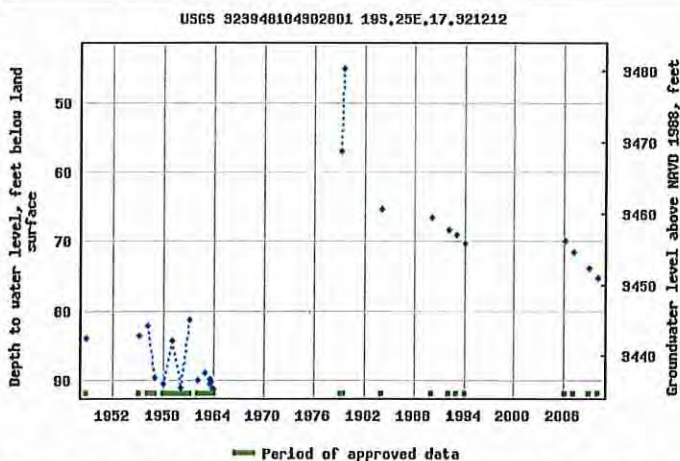
Latitude 32°39'48", Longitude 104°30'28" NAD27

Land-surface elevation 3,526 feet above NAVD88

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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Accessibility Plug-Ins FOIA Privacy Policies and Notices

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
• 324004104285801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324004104285801 19S.25E.16.22332

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13060011

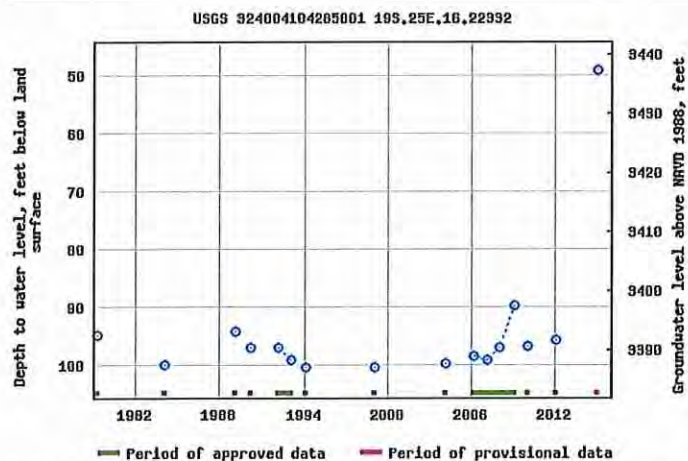
Latitude 32°40'04", Longitude 104°28'58" NAD27

Land-surface elevation 3,487 feet above NAVD88

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)





USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
• 323841104303201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323841104303201 19S.25E.20.341112

Available data for this site:

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'41", Longitude 104°30'32" NAD27

Land-surface elevation 3,552 feet above NAVD88

The depth of the well is 130 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

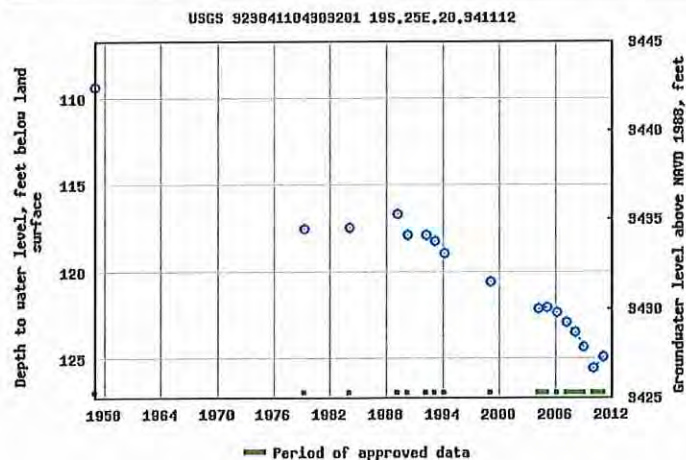
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>





USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
• 323842104283501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323842104283501 19S.25E.22.31430

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'42", Longitude 104°28'35" NAD27

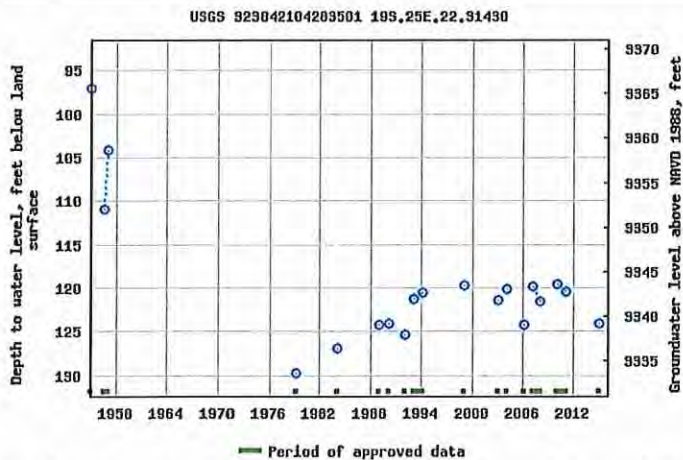
Land-surface elevation 3,463 feet above NAVD88

The depth of the well is 180 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



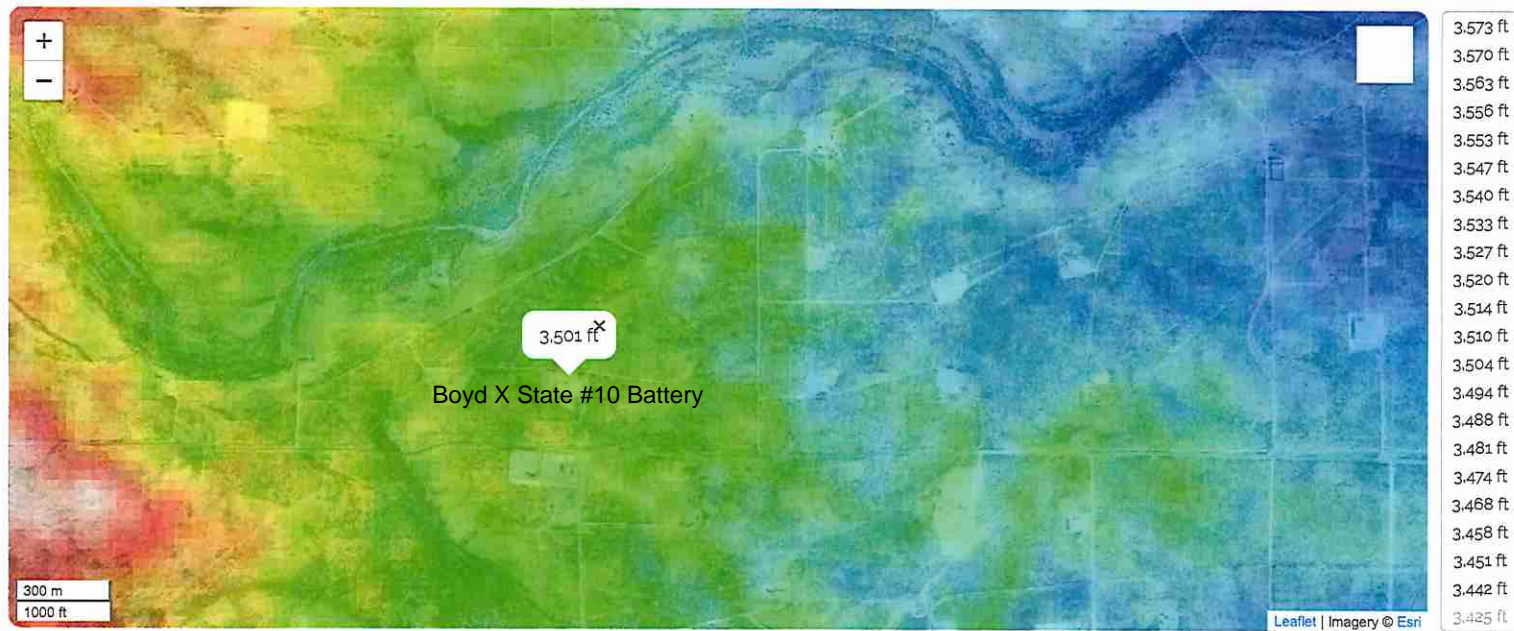
Free topographic maps visualization and sharing.

Search for a topographic map

New Mexico

Topographic maps > United States of America > New Mexico > New Mexico

Click on the map to display elevation.



New Mexico, United States of America (34.57082 -105.99301)

Share this map on...



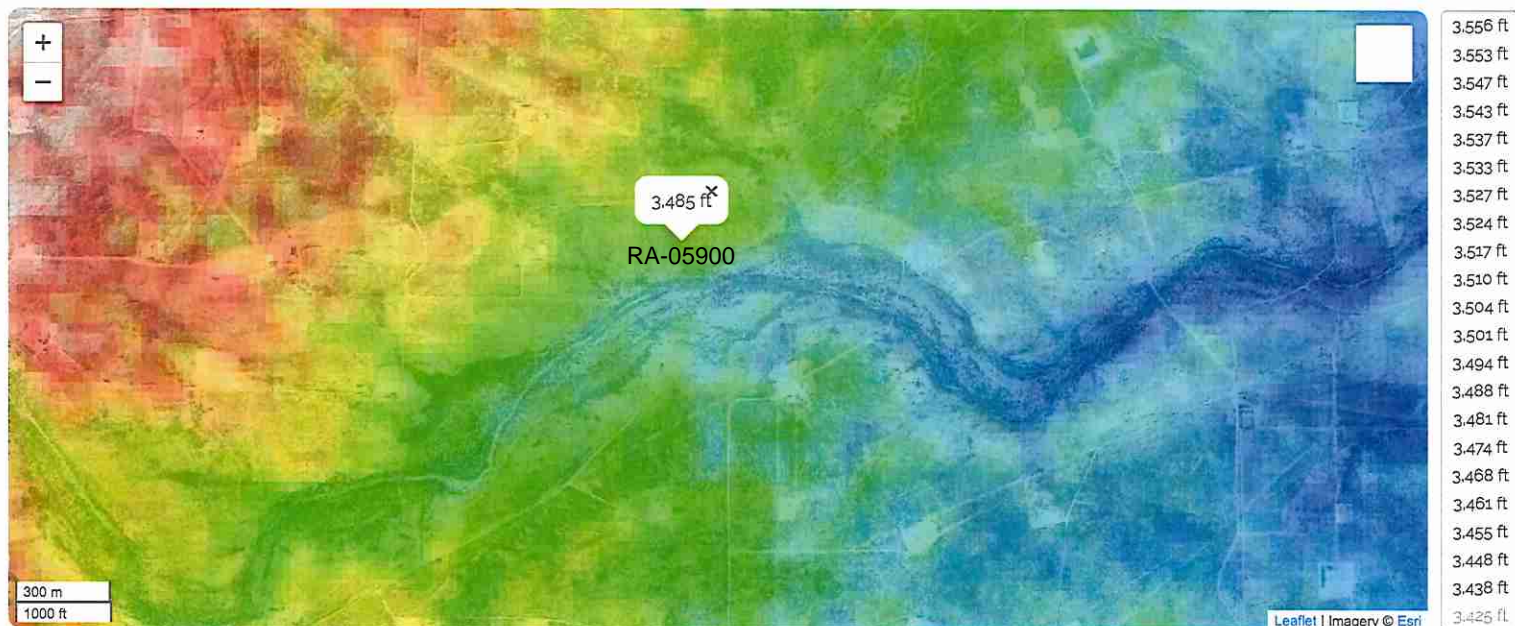
Free topographic maps visualization and sharing.

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New Mexico

[Topographic maps](#) > [United States of America](#) > [New Mexico](#) > [New Mexico](#)

Click on the map to display elevation.



New Mexico, United States of America (34.57082 -105.99301)

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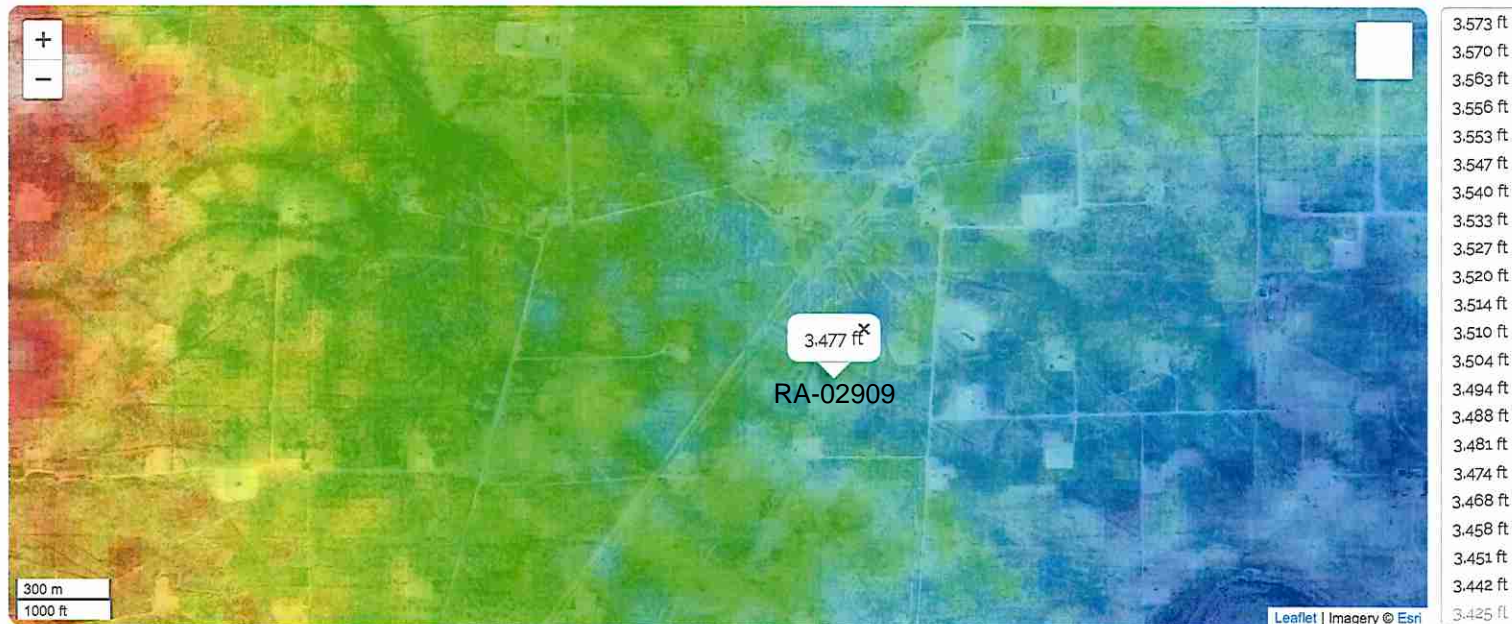
Free topographic maps visualization and sharing.

Search for a topographic map

New Mexico

Topographic maps > United States of America > New Mexico > New Mexico

Click on the map to display elevation.



New Mexico, United States of America (34.57082 -105.99301)

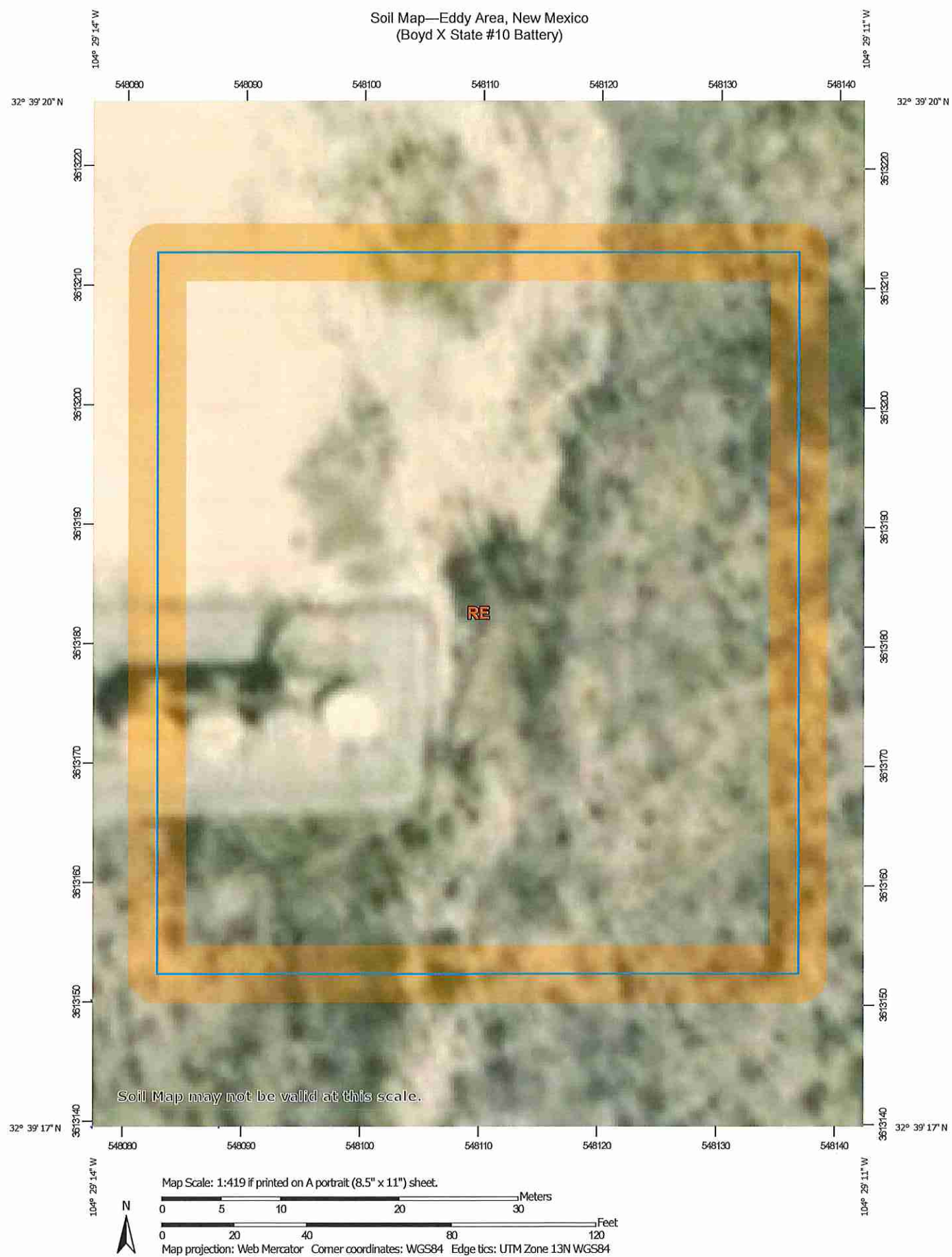
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Appendix B

NRCS Soil Classification



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

12/11/2019
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(Boyd X State #10 Battery)

MAP LEGEND

Area of Interest (AOI)			Spoil Area
	Area of Interest (AOI)		Stony Spot
Soils			Very Stony Spot
	Soil Map Unit Polygons		Wet Spot
	Soil Map Unit Lines		Other
	Soil Map Unit Points		Special Line Features
Special Point Features		Water Features	
	Blowout		Streams and Canals
	Borrow Pit	Transportation	
	Clay Spot		Rails
	Closed Depression		Interstate Highways
	Gravel Pit		US Routes
	Gravelly Spot		Major Roads
	Landfill		Local Roads
	Lava Flow	Background	
	Marsh or swamp		Aerial Photography
	Mine or Quarry		
	Miscellaneous Water		
	Perennial Water		
	Rock Outcrop		
	Saline Spot		
	Sandy Spot		
	Severely Eroded Spot		
	Sinkhole		
	Slide or Slip		
	Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.
Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 30, 2015—Dec 15, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RE	Reagan-Upton association, 0 to 9 percent slopes	0.8	100.0%
Totals for Area of Interest		0.8	100.0%

Appendix C

100 Year Floodplain Map



Navigation

Search

Languages

MSC Home (/portal/)

MSC Search by Address (/portal/search/)

MSC Search All Products (/portal/advanceSearch/)

 MSC Products and Tools
 (/portal/resources/productsandtools/)

Hazus (/portal/resources/hazus/)

LOMIC Batch Files (/portal/resources/lomic/)

Product Availability (/portal/productAvailability/)

 MSC Frequently Asked Questions (FAQs)
 (/portal/resources/faq/)

 MSC Email Subscriptions
 (/portal/subscriptionHome/)

Contact MSC Help (/portal/resources/contact/)

FEMA Flood Map Service Center: Search By Address

Enter an address, place, or coordinates: ?

Eddy County New Mexico

Search

Users are experiencing problems downloading some products. Users may want to try the view option rather than download or try downloading during non-peak hours if they experience problems.

Whether you are in a high risk zone or not, you may need [flood insurance \(https://www.fema.gov/national-flood-insurance-program\)](https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [scams you can take \(https://www.fema.gov/hat-mitigation\)](https://www.fema.gov/hat-mitigation) to reduce flood risk damage.

Search Results—Products for EDDY COUNTY UNINCORPORATED AREAS

Show ALL Products » ([https://msc.fema.gov/portal/availabilitySearch/addcommunity=350120&communityName=EDDY COUNTY UNINCORPORATED AREAS#searchresult\(anchor\)](https://msc.fema.gov/portal/availabilitySearch/addcommunity=350120&communityName=EDDY COUNTY UNINCORPORATED AREAS#searchresult(anchor)))

The flood map for the selected area is number 35015C0550D, effective on 06/04/2010 ?

DYNAMIC MAP



MAP IMAGE


<https://msc.fema.gov/portal/downloadProduct?>

filepath=/35/P/Firm/35015C0550D.tif&productType=FINAL_PRODUCT&productSubType=FIRM_PANEL&productID=35015C0550D)

Changes to this FIRM ?

Revisions (0)
 Amendments (0)
 Revalidations (0)

You can choose a new flood map or move the location pin by selecting a different location on the locator map below or by entering a new location in the search field above. It may take a minute or more during peak hours to generate a dynamic FIRMette. If you are a person with a disability, are blind, or have low vision, and need assistance, please contact a map specialist (<https://msc.fema.gov/portal/resources/contact/>).

Go To NFHL Viewer » (<https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd&extent=-104.447709125489,32.65989293525>)



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 Strategic Plan (www.fema.gov/fema-strategic-plan) Whitehouse.gov (www.whitehouse.gov/) DHS.gov (www.dhs.gov/)
 Ready.gov (www.ready.gov/) USA.gov (www.usa.gov/) DisasterAssistance.gov (www.disasterassistance.gov/)



(<https://www.oig.dhs.gov/hotline>)

Official website of the Department of Homeland Security

Appendix D

Laboratory Soil Data



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

November 25, 2019

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: BOYD X STATE #10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/18/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	11/18/2019	Sampling Date:	11/18/2019
Reported:	11/25/2019	Sampling Type:	Soil
Project Name:	BOYD X STATE #10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: V 1 - 4' (H903914-01)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/20/2019	ND	1.79	89.3	2.00	7.20		
Toluene*	<0.050	0.050	11/20/2019	ND	1.77	88.7	2.00	7.07		
Ethylbenzene*	<0.050	0.050	11/20/2019	ND	1.80	90.2	2.00	7.55		
Total Xylenes*	<0.150	0.150	11/20/2019	ND	5.44	90.6	6.00	7.98		
Total BTEx	<0.300	0.300	11/20/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	11/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2019	ND	199	99.7	200	1.53	
DRO >C10-C28*	<10.0	10.0	11/20/2019	ND	198	98.9	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2019	ND					

Surrogate: 1-Chlorooctane 96.4 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	11/18/2019	Sampling Date:	11/18/2019
Reported:	11/25/2019	Sampling Type:	Soil
Project Name:	BOYD X STATE #10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: V 2 - 4' (H903914-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/20/2019	ND	1.79	89.3	2.00	7.20		
Toluene*	<0.050	0.050	11/20/2019	ND	1.77	88.7	2.00	7.07		
Ethylbenzene*	<0.050	0.050	11/20/2019	ND	1.80	90.2	2.00	7.55		
Total Xylenes*	<0.150	0.150	11/20/2019	ND	5.44	90.6	6.00	7.98		
Total BTEX	<0.300	0.300	11/20/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19900	16.0	11/22/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2019	ND	199	99.7	200	1.53	
DRO >C10-C28*	<10.0	10.0	11/20/2019	ND	198	98.9	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	11/18/2019	Sampling Date:	11/18/2019
Reported:	11/25/2019	Sampling Type:	Soil
Project Name:	BOYD X STATE #10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: V 3 - 4' (H903914-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.091	0.050	11/20/2019	ND	1.79	89.3	2.00	7.20	
Toluene*	<0.050	0.050	11/20/2019	ND	1.77	88.7	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/20/2019	ND	1.80	90.2	2.00	7.55	
Total Xylenes*	<0.150	0.150	11/20/2019	ND	5.44	90.6	6.00	7.98	
Total BTX	<0.300	0.300	11/20/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	11/22/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2019	ND	199	99.7	200	1.53	
DRO >C10-C28*	<10.0	10.0	11/20/2019	ND	198	98.9	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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* = Accredited Analyte

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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	11/18/2019	Sampling Date:	11/18/2019
Reported:	11/25/2019	Sampling Type:	Soil
Project Name:	BOYD X STATE #10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: V 4 - 4' (H903914-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/20/2019	ND	1.79	89.3	2.00	7.20		
Toluene*	<0.050	0.050	11/20/2019	ND	1.77	88.7	2.00	7.07		
Ethylbenzene*	<0.050	0.050	11/20/2019	ND	1.80	90.2	2.00	7.55		
Total Xylenes*	<0.150	0.150	11/20/2019	ND	5.44	90.6	6.00	7.98		
Total BTEX	<0.300	0.300	11/20/2019	ND						

Surrogate: 4-Bromofluorobenzene (PII) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	11/22/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2019	ND	199	99.7	200	1.53	
DRO >C10-C28*	<10.0	10.0	11/20/2019	ND	198	98.9	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	11/20/2019	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 11/18/2019
Reported: 11/25/2019
Project Name: BOYD X STATE #10 BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/18/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 5 - 4' (H903914-05)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2019	ND	1.79	89.3	2.00	7.20	
Toluene*	<0.050	0.050	11/20/2019	ND	1.77	88.7	2.00	7.07	
Ethylbenzene*	<0.050	0.050	11/20/2019	ND	1.80	90.2	2.00	7.55	
Total Xylenes*	<0.150	0.150	11/20/2019	ND	5.44	90.6	6.00	7.98	
Total BTEX	<0.300	0.300	11/20/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	11/22/2019	ND	400	100	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2019	ND	207	103	200	1.56	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	201	101	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 79.5 % 37.6-147

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Chase Settle

Project Name: Boyd X State #10 Battery

Company Name EOG Y Resources Inc.

Project #:

Company Address: 104 South 4th Street

Project Loc: Boyd X State #10 Battery

City/State/Zip: Artesia, NM 88210

PO #: 205-0750

Telephone No: 575-748-1471

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: Chase.Settle@eogresources.com

[illegible]



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

December 06, 2019

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: BOYD X STATE #10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/04/19 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	12/04/2019	Sampling Date:	12/03/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	BOYD X STATE #10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BOYD X STATE #10 BATTERY		

Sample ID: NH (H904055-01)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2019	ND	1.90	94.8	2.00	0.329		
Toluene*	<0.050	0.050	12/04/2019	ND	1.85	92.5	2.00	0.540		
Ethylbenzene*	<0.050	0.050	12/04/2019	ND	1.88	94.0	2.00	0.557		
Total Xylenes*	<0.150	0.150	12/04/2019	ND	5.68	94.7	6.00	0.463		
Total BTEX	<0.300	0.300	12/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/05/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2019	ND	198	99.2	200	3.17	
DRO >C10-C28*	<10.0	10.0	12/04/2019	ND	203	101	200	0.148	
EXT DRO >C28-C36	<10.0	10.0	12/04/2019	ND					

Surrogate: 1-Chlorooctane 96.3 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	12/04/2019	Sampling Date:	12/03/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	BOYD X STATE #10 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	BOYD X STATE #10 BATTERY		

Sample ID: EH (H904055-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2019	ND	1.90	94.8	2.00	0.329		
Toluene*	<0.050	0.050	12/04/2019	ND	1.85	92.5	2.00	0.540		
Ethylbenzene*	<0.050	0.050	12/04/2019	ND	1.88	94.0	2.00	0.557		
Total Xylenes*	<0.150	0.150	12/04/2019	ND	5.68	94.7	6.00	0.463		
Total BTX	<0.300	0.300	12/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/05/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/04/2019	ND	198	99.2	200	3.17		
DRO >C10-C28*	<10.0	10.0	12/04/2019	ND	203	101	200	0.148		
EXT DRO >C28-C36	<10.0	10.0	12/04/2019	ND						

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 12/04/2019
Reported: 12/06/2019
Project Name: BOYD X STATE #10 BATTERY
Project Number: NONE GIVEN
Project Location: BOYD X STATE #10 BATTERY

Sampling Date: 12/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SH (H904055-03)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/04/2019	ND	1.90	94.8	2.00	0.329		
Toluene*	<0.050	0.050	12/04/2019	ND	1.85	92.5	2.00	0.540		
Ethylbenzene*	<0.050	0.050	12/04/2019	ND	1.88	94.0	2.00	0.557		
Total Xylenes*	<0.150	0.150	12/04/2019	ND	5.68	94.7	6.00	0.463		
Total BTEX	<0.300	0.300	12/04/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	256	16.0	12/05/2019	ND	400	100	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/04/2019	ND	198	99.2	200	3.17		
DRO >C10-C28*	<10.0	10.0	12/04/2019	ND	203	101	200	0.148		
EXT DRO >C28-C36	<10.0	10.0	12/04/2019	ND						

Surrogate: 1-Chlorooctane 99.9 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 12/04/2019
Reported: 12/06/2019
Project Name: BOYD X STATE #10 BATTERY
Project Number: NONE GIVEN
Project Location: BOYD X STATE #10 BATTERY

Sampling Date: 12/03/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: WH (H904055-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2019	ND	1.90	94.8	2.00	0.329	
Toluene*	<0.050	0.050	12/04/2019	ND	1.85	92.5	2.00	0.540	
Ethylbenzene*	<0.050	0.050	12/04/2019	ND	1.88	94.0	2.00	0.557	
Total Xylenes*	<0.150	0.150	12/04/2019	ND	5.68	94.7	6.00	0.463	
Total BTX	<0.300	0.300	12/04/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	12/05/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2019	ND	198	99.2	200	3.17	
DRO >C10-C28*	37.4	10.0	12/04/2019	ND	203	101	200	0.148	
EXT DRO >C28-C36	<10.0	10.0	12/04/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

December 17, 2019

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: BOYD X STATE #10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/11/19 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 12/11/2019
Reported: 12/17/2019
Project Name: BOYD X STATE #10 BATTERY
Project Number: NONE GIVEN
Project Location: BOYD X STATE #10 BATTERY

Sampling Date: 12/11/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: WH 2 (H904148-01)

BTEx 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/12/2019	ND	2.07	103	2.00	1.27		
Toluene*	<0.050	0.050	12/12/2019	ND	2.09	105	2.00	0.239		
Ethylbenzene*	<0.050	0.050	12/12/2019	ND	2.03	101	2.00	0.648		
Total Xylenes*	<0.150	0.150	12/12/2019	ND	5.87	97.9	6.00	0.636		
Total BTEx	<0.300	0.300	12/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/12/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2019	ND	164	82.1	200	13.7	
DRO >C10-C28*	<10.0	10.0	12/12/2019	ND	174	87.2	200	17.9	
EXT DRO >C28-C36	<10.0	10.0	12/12/2019	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 89.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

e-mail: Chase.Settle@eogresources.com

[illegible]

Appendix E

Form C-141

(Initial and Closure)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Chase Settle	Contact Telephone	575-748-1471
Contact email	Chase_Settle@eogresources.com	Incident #	(assigned by OCD)
Contact mailing address	104 South 4th Street, Artesia, NM 88210		

Location of Release Source

Latitude 32.65530 Longitude -104.48707
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Boyd X State #10 Battery	Site Type	Battery
Date Release Discovered	11/11/2019	API#	(if applicable)

Unit Letter	Section	Township	Range	County
O	16	19S	25E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 15	Volume Recovered (bbls) 12
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Valve failure occurred on a produced water transfer line causing the release.

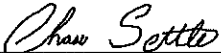
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u> Signature: <u></u> email: <u>Chase_Settle@eogresources.com</u>	Title: <u>Safety and Environmental Rep II</u> Date: <u>11/21/2019</u> Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	112 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle Title: Rep Safety and Environmental II
Signature: *Chase Settle* Date: 01/15/2020
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nCS2002754182
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety and Environmental II
Signature: *Chase Settle* Date: 01/15/2020
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Cristina Eads Date: 03/02/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Denied Date: 03/02/2020
Printed Name: Cristina Eads Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 123762

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 123762
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	11/8/2022