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## Closure Report

Cuadrito AZO Federal #1  
Eddy County, New Mexico  
API # 30-015-32172  
Incident #nAPP2210346161

## Prepared For:

EOG Resources Inc.  
104 S. 4<sup>th</sup> Street  
Artesia, NM 88210

## Prepared By:

Talon/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**July 11, 2022**



Mike Bratcher  
**NMOCD**  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

Subject: **Closure Report**  
Cuadrito AZO Federal #1  
Eddy County, New Mexico  
API # 30-015-32172

Dear Mr. Bratcher,

EOG Resources contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

### Site Information

The Cuadrito AZO Federal #1 is located approximately thirty-two (32) miles south of Artesia, New Mexico. The legal location for this release is Unit Letter D, Section 31, Township 20 South and Range 23 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.53442 and -104.73686. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Ector Stony loam with, 0 to 9 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Queen and Grayburg formation, lower Pliocene to Middle Miocene in age, and comprised of very gravelly loam, sandstone and gypsum. Drainage courses in this area are typically well drained.

### Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater that could be referenced by POD is 675 feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a medium potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

**Approximate Depth to Groundwater****675 Feet/bgs**

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole or a playa lake
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 500 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	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain

Because the release occurred on a location where the well is plugged, location is to be reclaimed and is situated within a critical Karst area, the clean-up criteria for this site per NMAC 19.15.29.13.D is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

### Incident Description

During routine site clean-up activities and decommissioning of the facility, EOG personnel noted historical staining around the wellhead area, as can be seen in photo documentation ([Appendix III](#)). EOG contracted Talon LPE to assess the area of impact. Due to the size of the area and depth of impact around the wellhead marker, this was deemed to be a reportable incident, therefore a C-141 spill notification was submitted to the NMOCD. The NMOCD assigned this incident number **nAPP2210346161**. This site has been deemed by the NMOCD as “plugged, site released”. The site map is presented in [Appendix I](#).

### Site Assessment

On March 29, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Juno 3B, photographed and sampled utilizing a hand auger. Due to the soil characterization for the area, auger refusal was encountered at sample positions S-1 through S-5. All soil samples were properly packaged, preserved, and transported to Cardinal laboratories via chain of custody for analysis of Total Chlorides (SM4500Cl-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached Figure 2 ([Appendix I](#)) and the results of our sampling event are presented on the following data table.

**Table I**  
*05/27/2022 Soil Sample Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO + MRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
S-1	3/29/2022	0-1'	ND	ND	ND	ND	ND	0	528
	3/29/2022	2'	ND	ND	ND	ND	ND	0	1740
	3/29/2022	3' R	ND	ND	ND	ND	ND	0	528
S-2	3/29/2022	0.5' R	ND	ND	ND	69.8	25.2	95	5160
S-3	3/29/2022	0.5' R	ND	ND	ND	ND	ND	0	8130
S-4	3/29/2022	0-1' R	ND	ND	ND	ND	ND	0	3240
S-5	3/29/2022	0.5' R	ND	ND	ND	ND	ND	0	6930
S-6	3/29/2022	0-1'	ND	ND	ND	ND	ND	0	1740
	3/29/2022	2'	ND	ND	ND	ND	ND	0	1180
	3/29/2022	3'	ND	ND	ND	ND	ND	0	656
	3/29/2022	4'	ND	ND	ND	ND	ND	0	656
S-7	3/29/2022	0'	ND	ND	ND	20.5	ND	20.5	64
S-8	3/29/2022	0'	ND	ND	ND	ND	ND	0	48
S-9	3/29/2022	0'	ND	ND	ND	ND	ND	0	16
S-10	3/29/2022	0'	ND	ND	ND	ND	ND	0	ND
R = Refusal with Hand Auger ND = Analyte Not Detected									

See [Appendix IV](#) for the complete report of laboratory results.



On June 13, 2022, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence excavating of the impacted area. Field titration data was used to guide the depth and sidewalls. Sidewall samples were retrieved in order to confirm horizontal extent of the impact. All soil samples were properly collected and preserved for transport to Cardinal Laboratories for analysis. The confirmation results from the laboratory are tabulated below. Sample locations are illustrated on Figure 3 ([Appendix I](#)).

**Table II**  
*Confirmation Laboratory Results*

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	6/13/2022	4'	ND	ND	ND	ND	ND	-	240
S-2A	6/13/2022	4'	ND	ND	ND	ND	ND	-	192
S-3A	6/13/2022	4'	ND	ND	ND	ND	ND	-	448
S-4A	6/6/2022	7'	ND	ND	ND	ND	ND	-	240
S-5A	6/6/2022	7'	ND	ND	ND	ND	ND	-	128
S-6A	6/6/2022	5'	ND	ND	ND	ND	ND	-	96
S-7A	6/28/2022	4'	ND	ND	ND	ND	ND	-	240
S-8A	6/28/2022	4'	ND	ND	ND	ND	ND	-	208
S-9A	6/28/2022	4'	ND	ND	ND	ND	ND	-	272
S-10A	6/28/2022	4'	ND	ND	ND	ND	ND	-	320
S-11A	6/28/2022	4'	ND	ND	ND	ND	ND	-	304
SW-1	6/22/2022	4'	ND	ND	ND	ND	ND	-	240
SW-2	6/22/2022	4'	ND	ND	ND	ND	ND	-	176
SW-3	6/22/2022	4'	ND	ND	ND	ND	ND	-	144
SW-4	6/22/2022	4'	ND	ND	ND	ND	ND	-	64
ND = Analyte Not Detected SW = Sidewalls									

See [Appendix IV](#) for the complete report of laboratory results.

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### Remedial Actions

- The impacted areas of S-1, S-2, S-3, and S-7 through S-11, respectively were excavated to depths of 4 feet bgs reclaiming the upper four feet, in accordance with 19.15.29 NMAC Paragraph II. Field titration data was utilized in order to horizontally guide the excavation.
- The impacted areas of S-4 and S-5 which were in the areas of the source wellhead, were excavated to depths of 7 feet bgs.
- Background and sidewall samples were obtained in order to confirm horizontal remediation had been accomplished in accordance with NMOCD clean-up criteria.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche, and restored to grade.

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## Closure

Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required and that closure with regard to this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

Talon/LPE

Rebecca S. Pons  
Senior Environmental Project Manager

### Attachments:

Appendix I Site Plans  
Appendix II Groundwater Data, Soil Survey  
Appendix III C-141 Forms, NMOCD Correspondence  
Appendix IV Photo Documentation  
Appendix V Laboratory Data




## Appendix I

### Site Maps



EOG Resources  
API: 30-015-32172  
Eddy County, NM  
Location Map

**Legend**

 Cuadrito AZO Federal 1





EOG Resources  
API: 30-015-32172  
Eddy County, NM  
Site Assessment

Legend Page 10 of 88

Sample Position

Spill Area





EOG Resources  
API: 30-015-32172  
Eddy County, NM  
Confirmation Sample Map

Legend Page 11 of 88

 Cuadrito AZO

 Excavation



 Sample Position





EOG Resources  
API: 30-015-32172  
Eddy County, NM  
Karst Map

**Legend**

-  Cuadrito AZO Federal 1
-  Medium





# National Flood Hazard Layer FIRMette



104°44'31"W 32°32'19"N



## 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
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 3/29/2022 at 6:08 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.


Released to Imaging: 11/10/2022 11:42:24 AM

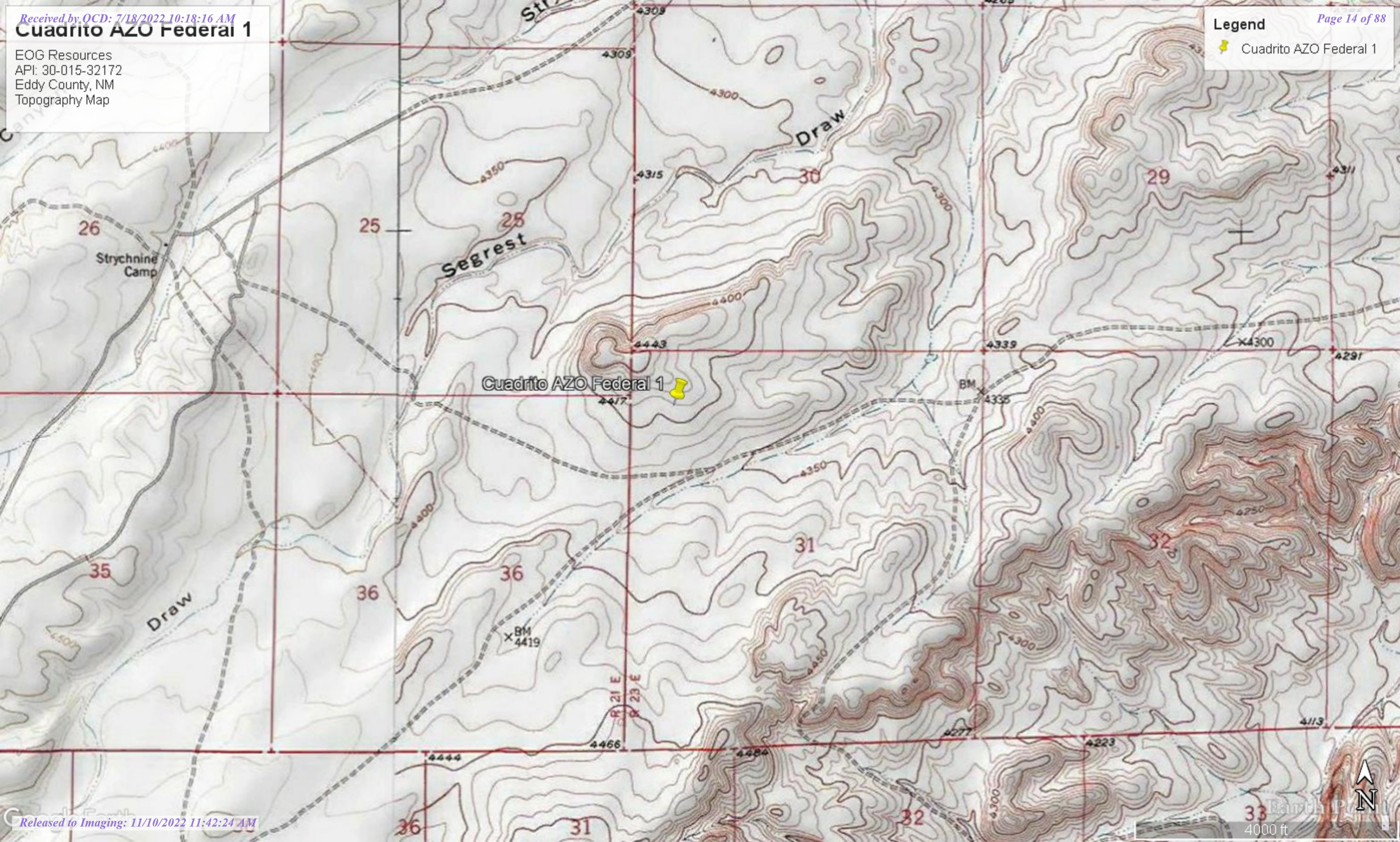
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



EOG Resources  
API: 30-015-32172  
Eddy County, NM  
Topography Map

**Legend**

-  Cuadrito AZO Federal 1







## Appendix II

### Groundwater Data, & Soil Survey



# 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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 06725</a>	RA	ED		1	4	2	35	20S	21E	522565	3599257*	2183	500		
<a href="#">RA 06432</a>	RA	CH		2	3	28	20S	23E	528356	3600600*		3761	1950		
<a href="#">RA 03553</a>	RA	ED					27	20S	23E	530170	3600806*	5577	622	30	592
<a href="#">RA 10444</a>	RA	ED		3	3	2	27	20S	23E	530277	3600916*	5705	1080	675	405
Average Depth to Water:														352 feet	
Minimum Depth:														30 feet	
Maximum Depth:														675 feet	

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 524700.2      Northing (Y): 3599713      Radius: 7000

\*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.



# 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	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
RA 10444		3	3	2	27	20S	23E	530277	3600916*

Driller License: 601

Driller Company: STATEWIDE DRILLING, INC.

Driller Name: MCMURRY, MIKE

Drill Start Date: 06/08/2004

Drill Finish Date: 06/16/2004

Plug Date:

Log File Date: 06/24/2004

PCW Rev Date:

Source: Shallow

Pump Type: SUBMER

Pipe Discharge Size:

Estimated Yield: 20 GPM

Casing Size: 5.00

Depth Well: 1080 feet

Depth Water: 675 feet

Water Bearing Stratifications:

Top	Bottom	Description
715	725	Limestone/Dolomite/Chalk

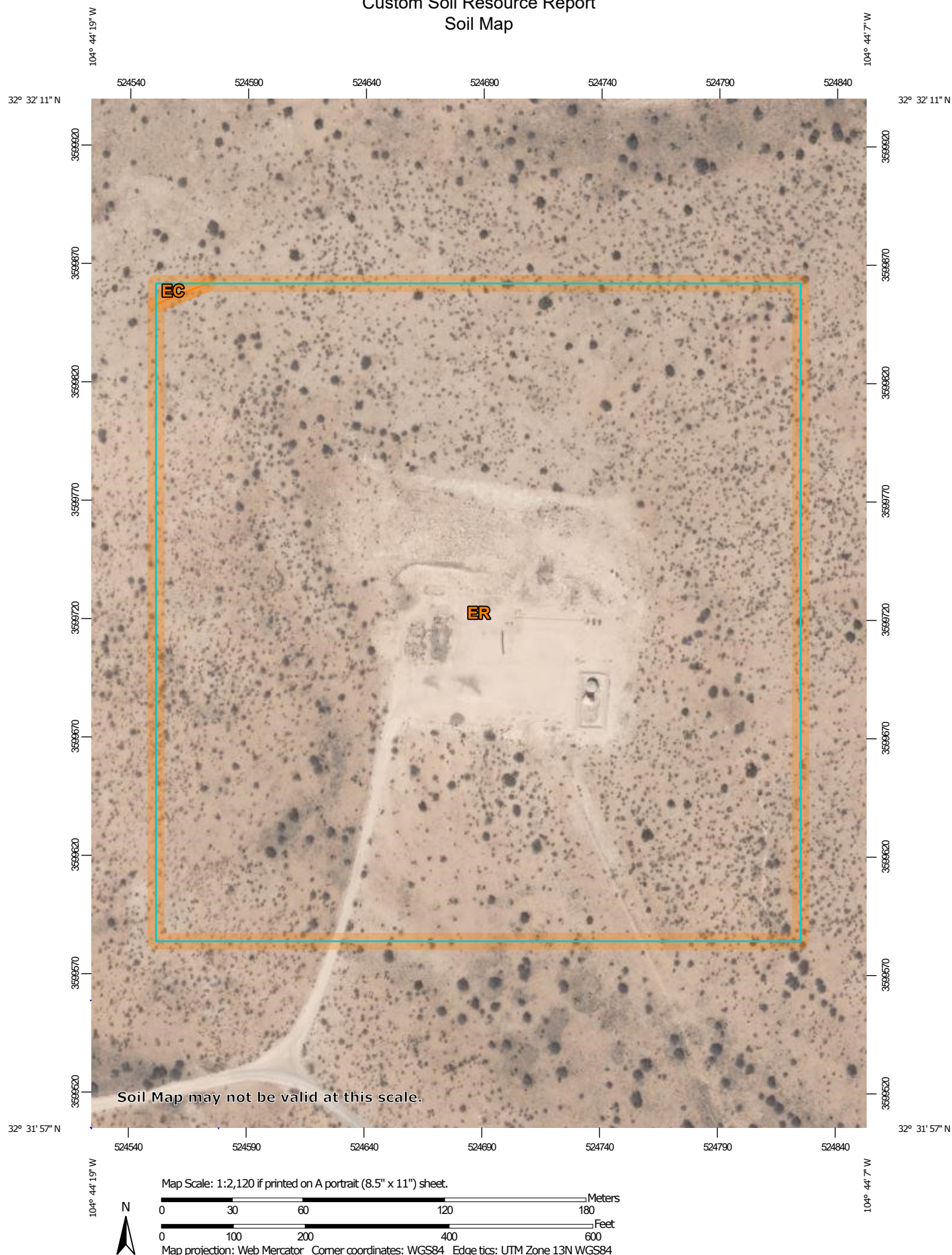
Casing Perforations:

Top	Bottom
960	980
1000	1020
1040	1060

\*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.

# Custom Soil Resource Report Soil Map



## Custom Soil Resource Report

**Eddy Area, New Mexico****EC—Ector stony loam, 0 to 9 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w4b  
*Elevation:* 3,300 to 4,800 feet  
*Mean annual precipitation:* 10 to 18 inches  
*Mean annual air temperature:* 58 to 62 degrees F  
*Frost-free period:* 195 to 210 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Ector and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Ector****Setting**

*Landform:* Hills, ridges  
*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope  
*Landform position (three-dimensional):* Crest, nose slope, side slope, head slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from limestone

**Typical profile**

*H1 - 0 to 6 inches:* very cobbly loam  
*H2 - 6 to 60 inches:* bedrock

**Properties and qualities**

*Slope:* 0 to 9 percent  
*Depth to restrictive feature:* 4 to 20 inches to lithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high  
(0.06 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:* 60 percent  
*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Very low (about 0.5 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7s  
*Hydrologic Soil Group:* D  
*Ecological site:* R070DY158NM - Very Shallow  
*Hydric soil rating:* No

## Custom Soil Resource Report

**ER—Ector-Reagan association, 0 to 9 percent slopes****Map Unit Setting**

*National map unit symbol:* 1w4d  
*Elevation:* 1,100 to 5,400 feet  
*Mean annual precipitation:* 6 to 18 inches  
*Mean annual air temperature:* 58 to 70 degrees F  
*Frost-free period:* 180 to 240 days  
*Farmland classification:* Not prime farmland

**Map Unit Composition**

*Ector and similar soils:* 65 percent  
*Reagan and similar soils:* 25 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Ector****Setting**

*Landform:* Ridges, hills  
*Landform position (two-dimensional):* Shoulder, backslope, footslope, toeslope  
*Landform position (three-dimensional):* Side slope, crest, nose slope, head slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Residuum weathered from limestone

**Typical profile**

*H1 - 0 to 6 inches:* very cobbly loam  
*H2 - 6 to 60 inches:* bedrock

**Properties and qualities**

*Slope:* 0 to 9 percent  
*Depth to restrictive feature:* 4 to 20 inches to lithic bedrock  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to high (0.06 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:* 60 percent  
*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Very low (about 0.5 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 7s  
*Hydrologic Soil Group:* D  
*Ecological site:* R070DY158NM - Very Shallow  
*Hydric soil rating:* No



## Custom Soil Resource Report

**Description of Reagan****Setting**

*Landform:* Fan remnants, alluvial fans  
*Landform position (three-dimensional):* Rise  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

**Typical profile**

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 32 inches:* loam  
*H3 - 32 to 60 inches:* clay 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:* 50 percent  
*Gypsum, maximum content:* 20 percent  
*Maximum salinity:* Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 15.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

**Interpretive groups**

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* R042XC007NM - Loamy  
*Hydric soil rating:* No

**Minor Components****Ector**

*Percent of map unit:* 4 percent  
*Ecological site:* R070DY158NM - Very Shallow  
*Hydric soil rating:* No

**Upton**

*Percent of map unit:* 3 percent  
*Ecological site:* R042XC025NM - Shallow  
*Hydric soil rating:* No

**Pima**

*Percent of map unit:* 3 percent  
*Ecological site:* R042XC017NM - Bottomland  
*Hydric soil rating:* No



**Appendix III**  
C-141 Forms, NMOCD  
Correspondence

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	nAPP2210346161
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	EOG Resources, Inc.	OGRID	7377
Contact Name	Jeremy Haass	Contact Telephone	575-748-1471
Contact email	Jeremy_Haass@eogresources.com	Incident #	nAPP2210346161
Contact mailing address	104 S. 4th Street, Artesia, NM 88210		

### Location of Release Source

Latitude 32.53442 Longitude -104.73686  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Cuadrito AZO Federal #1	Site Type	Well Pad
Date Release Discovered	4/13/2022	API#	30-015-32172

Unit Letter	Section	Township	Range	County
D	31	20S	23E	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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	Unknown	Volume Recovered (bbls)	0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	Unknown	Volume Recovered (bbls)	0
	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)	

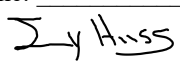
Cause of Release Historical impacts were discovered during the battery decommission for the plug and abandonment of the location. EOG contracted a third-party consultant to investigate the impacted area, the consultant determined 04/13/2022 based on the impacted area footprint that the reportable threshold was most likely met.

Incident ID	NAPP2210346161
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>Jeremy Haass</u>	Title: <u>Sr. Safety &amp; Environmental Specialist</u>
Signature: <u></u>	Date: <u>4/13/2022</u>
email: <u>jeremy_haass@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/13/2022</u>

**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 98431

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 98431
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	4/13/2022

Incident ID	nAPP2210346161
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>675</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 <b>not</b> 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.

Incident ID	nAPP2210346161
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: Jeremy Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 4/8/2022

Email: [Jeremy\\_Haass@eogresouces.com](mailto:Jeremy_Haass@eogresouces.com) Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 11/10/2022

Incident ID	nAPP2210346161
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: Jeremy Haass Title: Sr. Safety & Environmental Specialist

Signature:  Date: 7/11/2022

Email: [Jeremy\\_Haass@eogresouces.com](mailto:Jeremy_Haass@eogresouces.com) Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 11/10/2022

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

Signature:  Date: 11/10/2022



Incident ID	nAPP2210346161
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: Jeremy Haass Title: Sr. Safety & Environmental Specialist


Signature:  Date: 7/11/2022

Email: Jeremy\_Haass@eogresouces.com Telephone: 575-748-1471

### OCD Only

Received by: Jocelyn Harimon Date: 11/10/2022

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: 11/10/2022

Printed Name: Jocelyn Harimon Title: Environmental Specialist

## Rebecca Pons

---

**From:** Jeremy Haass <Jeremy\_Haass@eogresources.com>  
**Sent:** Monday, June 6, 2022 7:00 AM  
**To:** Rebecca Pons  
**Subject:** FW: Cuadrito AZO Federal #1 (nAPP2210346161) Sampling Notification

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

FYI

---

**From:** Miriam Morales <Miriam\_Morales@eogresources.com>  
**Sent:** Friday, June 3, 2022 11:12 AM  
**To:** Robert.Hamlet@state.nm.us; blm\_nm\_cfo\_spill@blm.gov; Jennifer.Nobui@state.nm.us; mike.bratcher@state.nm.us; jocelyn.harimon@state.nm.us  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>  
**Subject:** Cuadrito AZO Federal #1 (nAPP2210346161) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Cuadrito AZO Federal #1  
D-31-20S-23E: Eddy County, NM  
nAPP2210346161

Sampling will begin at 9:00 a.m. on Monday, June 6, 2022.

Thank you,

*Miriam Morales*



## **Appendix IV**

### Photographic Documentation



**Photograph No.1 Description:**

Impacted area around wellhead marker.



**Photograph No.2 Description:**

Excavation looking East.



**Photograph No.3 Description:**

Excavation looking southwest.



**Photograph No.4 Description:**

Backfilled to grade all debris removed.



## **Appendix V**

### Laboratory Data



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

---

April 04, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CUADRITO AZO FEDERAL 1

Enclosed are the results of analyses for samples received by the laboratory on 03/30/22 14:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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](http://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".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 0-1' (H221277-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838	
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189	
Total BTX	<0.300	0.300	04/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/01/2022	ND	400	100	400	7.69		

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	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.7 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 2' (H221277-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1740	16.0	04/01/2022	ND	400	100	400	7.69		

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	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 1 3' R (H221277-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	04/01/2022	ND	400	100	400	7.69		

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	03/31/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	03/31/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	03/31/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.2 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 2 0.5' R (H221277-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5160	16.0	04/01/2022	ND	400	100	400	7.69		

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	04/01/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	69.8	10.0	04/01/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	25.2	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 3 0.5' R (H221277-05)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838	
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00	
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378	
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189	
Total BTX	<0.300	0.300	04/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8130	16.0	04/01/2022	ND	400	100	400	7.69		

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	04/01/2022	ND	195	97.3	200	1.17	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	184	92.2	200	3.03	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.3 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 4 0-1' R (H221277-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	04/01/2022	ND	400	100	400	7.69		

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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 5 0.5' R (H221277-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6930	16.0	04/04/2022	ND	416	104	400	0.00	QM-07	

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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 0-1' (H221277-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1740	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 2' (H221277-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 3' (H221277-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 6 4' (H221277-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 7 0' (H221277-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	20.5	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 8 0' (H221277-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.6 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 9 0' (H221277-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTX	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.6 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received: 03/30/2022  
 Reported: 04/04/2022  
 Project Name: CUADRITO AZO FEDERAL 1  
 Project Number: 700438.293.01  
 Project Location: EOG RESOURCES - EDDY CO NM

Sampling Date: 03/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: S - 10 0' (H221277-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2022	ND	2.08	104	2.00	0.838		
Toluene*	<0.050	0.050	04/01/2022	ND	2.09	105	2.00	1.00		
Ethylbenzene*	<0.050	0.050	04/01/2022	ND	2.13	107	2.00	0.378		
Total Xylenes*	<0.150	0.150	04/01/2022	ND	6.38	106	6.00	0.189		
Total BTEx	<0.300	0.300	04/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/04/2022	ND	416	104	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	04/01/2022	ND	252	126	200	14.3	
DRO >C10-C28*	<10.0	10.0	04/01/2022	ND	224	112	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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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 "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager







CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		P.O. #:		BILL TO													
Project Manager: R. Pons		Company:		ANALYSIS REQUEST													
Address: 408 W. Texas Ave		Attn:															
City: Artesia		Address:															
Phone #: 575.746.8768		City:															
Fax #: 575.746.8768		State:															
Project #: 700438.293.01		Zip:															
Project Owner: EOG Resources		Phone #:															
Project Name: Cuadrito AZO Federal 1		Fax #:															
Project Location: Eddy County, NM																	
Sampler Name: M. Gomez																	
FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV		SAMPLING	
11		S-6 4'		6		1		X		X		X		X		X	
12		S-7 0'		1		1		X		X		X		X		X	
13		S-8 0'		1		1		X		X		X		X		X	
14		S-9 0'		1		1		X		X		X		X		X	
15		S-10 0'		1		1		X		X		X		X		X	
16		S-10 0'		1		1		X		X		X		X		X	
17		S-10 0'		1		1		X		X		X		X		X	
18		S-10 0'		1		1		X		X		X		X		X	
19		S-10 0'		1		1		X		X		X		X		X	
20		S-10 0'		1		1		X		X		X		X		X	
21		S-10 0'		1		1		X		X		X		X		X	
22		S-10 0'		1		1		X		X		X		X		X	
23		S-10 0'		1		1		X		X		X		X		X	
24		S-10 0'		1		1		X		X		X		X		X	
25		S-10 0'		1		1		X		X		X		X		X	
26		S-10 0'		1		1		X		X		X		X		X	
27		S-10 0'		1		1		X		X		X		X		X	
28		S-10 0'		1		1		X		X		X		X		X	
29		S-10 0'		1		1		X		X		X		X		X	
30		S-10 0'		1		1		X		X		X		X		X	
31		S-10 0'		1		1		X		X		X		X		X	
32		S-10 0'		1		1		X		X		X		X		X	
33		S-10 0'		1		1		X		X		X		X		X	
34		S-10 0'		1		1		X		X		X		X		X	
35		S-10 0'		1		1		X		X		X		X		X	
36		S-10 0'		1		1		X		X		X		X		X	
37		S-10 0'		1		1		X		X		X		X		X	
38		S-10 0'		1		1		X		X		X		X		X	
39		S-10 0'		1		1		X		X		X		X		X	
40		S-10 0'		1		1		X		X		X		X		X	
41		S-10 0'		1		1		X		X		X		X		X	
42		S-10 0'		1		1		X		X		X		X		X	
43		S-10 0'		1		1		X		X		X		X		X	
44		S-10 0'		1		1		X		X		X		X		X	
45		S-10 0'		1		1		X		X		X		X		X	
46		S-10 0'		1		1		X		X		X		X		X	
47		S-10 0'		1		1		X		X		X		X		X	
48		S-10 0'		1		1		X		X		X		X		X	
49		S-10 0'		1		1		X		X		X		X		X	
50		S-10 0'		1		1		X		X		X		X		X	
51		S-10 0'		1		1		X		X		X		X		X	
52		S-10 0'		1		1		X		X		X		X		X	
53		S-10 0'		1		1		X		X		X		X		X	
54		S-10 0'		1		1		X		X		X		X		X	
55		S-10 0'		1		1		X		X		X		X		X	
56		S-10 0'		1		1		X		X		X		X		X	
57		S-10 0'		1		1		X		X		X		X		X	
58		S-10 0'		1		1		X		X		X		X		X	
59		S-10 0'		1		1		X		X		X		X		X	
60		S-10 0'		1		1		X		X		X		X		X	
61		S-10 0'		1		1		X		X		X		X		X	
62		S-10 0'		1		1		X		X		X		X		X	
63		S-10 0'		1		1		X		X		X		X		X	
64		S-10 0'		1		1		X		X		X		X		X	
65		S-10 0'		1		1		X		X		X		X		X	
66		S-10 0'		1		1		X		X		X		X		X	
67		S-10 0'		1		1		X		X		X		X		X	
68		S-10 0'		1		1		X		X		X		X		X	
69		S-10 0'		1		1		X		X		X		X		X	
70		S-10 0'		1		1		X		X		X		X		X	
71		S-10 0'		1		1		X		X		X		X		X	
72		S-10 0'		1		1		X		X		X		X		X	
73		S-10 0'		1		1		X		X		X		X		X	
74		S-10 0'		1		1		X		X		X		X		X	
75		S-10 0'		1		1		X		X		X		X		X	
76		S-10 0'		1		1		X		X		X		X		X	
77		S-10 0'		1		1		X		X		X		X		X	
78		S-10 0'		1		1		X		X		X		X		X	
79		S-10 0'		1		1		X		X		X		X		X	
80		S-10 0'		1		1		X		X		X		X		X	
81		S-10 0'		1		1		X		X		X		X		X	
82		S-10 0'		1		1		X		X		X		X		X	
83		S-10 0'		1		1		X		X		X		X		X	
84		S-10 0'		1		1		X		X		X		X		X	
85		S-10 0'		1		1		X		X		X		X		X	
86		S-10 0'		1		1		X		X		X		X		X	
87		S-10 0'		1		1		X		X		X		X		X	
88		S-10 0'		1		1		X		X		X		X		X	
89		S-10 0'		1		1		X		X		X		X		X	
90		S-10 0'		1		1		X		X		X		X		X	
91		S-10 0'		1		1		X		X		X		X		X	
92		S-10 0'		1		1		X		X		X		X		X	
93		S-10 0'		1		1		X		X		X		X		X	
94		S-10 0'		1		1		X		X		X		X		X	
95		S-10 0'		1		1		X		X		X		X		X	
96		S-10 0'		1		1		X		X		X		X		X	
97		S-10 0'		1		1		X		X		X		X		X	
98		S-10 0'		1		1		X		X		X		X		X	
99		S-10 0'		1		1		X		X		X		X		X	
100		S-10 0'		1		1		X		X		X		X		X	

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Relinquished By: Matthew Gomez Date: 3/30/22 Received By: Spodriguey Time: 4:11

Relinquished By: Matthew Gomez Date: 3/30/22 Received By: Spodriguey Time: 4:11

Delivered By: (Circle One) 3.32 1C-0.52 Sample Condition: Intact Checked By: 82

Sampler - UPS - Bus - Other: 2.82 #113 Cool: Yes Intact: Yes

Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Page 2 of 2





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

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June 13, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CUADRITO AZP

Enclosed are the results of analyses for samples received by the laboratory on 06/08/22 11:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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](http://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:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/08/2022	Sampling Date:	06/06/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 4 A 7' (H222443-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	2.67	
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76	
Total BTEx	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/09/2022	ND	416	104	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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/08/2022	Sampling Date:	06/06/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 5 A 7' (H222443-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	2.67		
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00		
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76		
Total BTEX	<0.300	0.300	06/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/09/2022	ND	416	104	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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.0 % 59.5-142

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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/08/2022	Sampling Date:	06/06/2022
Reported:	06/13/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 6 A 5' (H222443-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	2.67		
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00		
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76		
Total BTEX	<0.300	0.300	06/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/09/2022	ND	416	104	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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.0 % 59.5-142

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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

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

---

Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE  
Project Manager: R. Pons  
Address: 408 W. Texas Ave  
City: Artesia  
State: NM zip: 88210  
Phone #: 575.746.8768 Fax #:   
Project #: 700438.293.01 Project Owner: EOG  
Project Name: Cuadrito AZP  
Project Location: Eddy County, NM  
Sampler Name: J. Carnes

P.O. #:   
Company:   
Attn:   
Address:   
City:   
State: Zip:   
Phone #:   
Fax #:

Lab I.D. Sample I.D.  
#022443  
1 S-4A 7' C 1  
7 S-5A 7' C 1  
3 S-6A 5' C 1

(G)RAB OR (C)OMP.  
# CONTAINERS  
GROUNDWATER  
WASTEWATER  
SOIL  
OIL  
SLUDGE  
OTHER :  
ACID/BASE:  
ICE / COOL  
OTHER :

MATRIX  
PRESERV  
SAMPLING

DATE  
TIME  
6-6-22 9:15  
6-6-22 9:30  
6-6-22 9:50

Chlorides  
TPH  
BTEX

FOR LAB USE ONLY

Relinquished By:   
Date: 6-8-22  
Time: 11:48  
Received By:   
Date:   
Time:   
Sample Condition  
Cool Intact  
Yes Yes  
No No  
CHECKED BY:   
REMARKS:   
Phone Result: Yes No  
Add'l Phone #:   
Fax Result: Yes No  
Add'l Fax #:

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June 27, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CUADRITO AZP

Enclosed are the results of analyses for samples received by the laboratory on 06/13/22 12:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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:**TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905Reported:  
27-Jun-22 14:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S 1A - 4'	H222512-01	Soil	13-Jun-22 09:00	13-Jun-22 12:50
S 2 A - 4'	H222512-02	Soil	13-Jun-22 09:05	13-Jun-22 12:50
S 3 A - 4'	H222512-03	Soil	13-Jun-22 09:10	13-Jun-22 12:50

06/27/22 - Client changed the sample IDs (See COC). This is the revised report and will replace the one sent on 06/16/22.

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Coley D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:50

**S 1A - 4'**  
**H222512-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	2061410	AC	14-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2061403	JH	14-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140 2061403 JH 14-Jun-22 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	

Surrogate: 1-Chlorooctane 81.0 % 66.9-136 2061401 MS 14-Jun-22 8015B

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142 2061401 MS 14-Jun-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:50

**S 2 A - 4'**  
**H222512-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	2061410	AC	14-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2061403	JH	14-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	69.9-140		2061403	JH	14-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.4 %	66.9-136		2061401	MS	14-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.6 %	59.5-142		2061401	MS	14-Jun-22	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:50

**S 3 A - 4'**  
**H222512-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>448</b>		16.0	mg/kg	4	2061410	AC	14-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2061403	JH	14-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2061403	JH	14-Jun-22	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %		69.9-140	2061403	JH	14-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2061401	MS	14-Jun-22	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.6 %		66.9-136	2061401	MS	14-Jun-22	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.8 %		59.5-142	2061401	MS	14-Jun-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:50

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2061410 - 1:4 DI Water</b>									
<b>Blank (2061410-BLK1)</b>					Prepared & Analyzed: 14-Jun-22				
Chloride	ND	16.0	mg/kg						
<b>LCS (2061410-BS1)</b>					Prepared & Analyzed: 14-Jun-22				
Chloride	416	16.0	mg/kg	400		104	80-120		
<b>LCS Dup (2061410-BSD1)</b>					Prepared & Analyzed: 14-Jun-22				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:50

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2061403 - Volatiles****Blank (2061403-BLK1)**

Prepared &amp; Analyzed: 14-Jun-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	69.9-140			

**LCS (2061403-BS1)**

Prepared &amp; Analyzed: 14-Jun-22

Benzene	1.97	0.050	mg/kg	2.00		98.5	83.4-122			
Toluene	2.02	0.050	mg/kg	2.00		101	84.2-126			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	84.2-121			
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89.9-126			
o-Xylene	1.92	0.050	mg/kg	2.00		95.8	84.3-123			
Total Xylenes	5.94	0.150	mg/kg	6.00		99.0	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.2	69.9-140			

**LCS Dup (2061403-BSD1)**

Prepared &amp; Analyzed: 14-Jun-22

Benzene	1.94	0.050	mg/kg	2.00		96.9	83.4-122	1.60	12.6	
Toluene	2.00	0.050	mg/kg	2.00		100	84.2-126	0.771	13.3	
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.6	84.2-121	1.23	13.9	
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.5	89.9-126	1.17	13.6	
o-Xylene	1.93	0.050	mg/kg	2.00		96.6	84.3-123	0.915	14.1	
Total Xylenes	5.91	0.150	mg/kg	6.00		98.6	89.1-124	0.496	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	69.9-140			

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADRITO AZP  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:50

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2061401 - General Prep - Organics****Blank (2061401-BLK1)**

Prepared &amp; Analyzed: 14-Jun-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.2		mg/kg	50.0		88.5	66.9-136			
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0		92.0	59.5-142			

**LCS (2061401-BS1)**

Prepared &amp; Analyzed: 14-Jun-22

GRO C6-C10	183	10.0	mg/kg	200		91.4	78.5-128			
DRO >C10-C28	185	10.0	mg/kg	200		92.4	75.8-135			
Total TPH C6-C28	368	10.0	mg/kg	400		91.9	81.5-127			
Surrogate: 1-Chlorooctane	50.2		mg/kg	50.0		100	66.9-136			
Surrogate: 1-Chlorooctadecane	54.0		mg/kg	50.0		108	59.5-142			

**LCS Dup (2061401-BSD1)**

Prepared &amp; Analyzed: 14-Jun-22

GRO C6-C10	193	10.0	mg/kg	200		96.5	78.5-128	5.49	21.4	
DRO >C10-C28	182	10.0	mg/kg	200		90.8	75.8-135	1.83	17.9	
Total TPH C6-C28	375	10.0	mg/kg	400		93.6	81.5-127	1.87	17.6	
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	66.9-136			
Surrogate: 1-Chlorooctadecane	55.6		mg/kg	50.0		111	59.5-142			

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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

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

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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: Talon LPE		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager:		P.O. #:			
Address: 408 W. Texas Ave		Company:			
City: Artesia		Attn:			
Phone #: 575.746.8768		Address:			
Fax #:		City:			
State: NM zip: 88210		State:			
Project #: 700438.293.01		Zip:			
Project Name: Guard #20		Phone #:			
Project Location: 5004		Fax #:			
Sampler Name: K. Parker					

FOR LAB USE ONLY		MATRIX		PRESERV	SAMPLING
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS		
			GROUNDWATER		
			WASTEWATER		
			SOIL		
			OIL		
			SLUDGE		
			OTHER :		
			ACID/BASE:		
			ICE / COOL		
			OTHER :		
			DATE		
			TIME		

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June 27, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CUADITRO AZ FED 1#

Enclosed are the results of analyses for samples received by the laboratory on 06/23/22 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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:**TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905Reported:  
27-Jun-22 14:56

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1	H222697-01	Soil	22-Jun-22 11:30	23-Jun-22 14:54
SW - 2	H222697-02	Soil	22-Jun-22 11:45	23-Jun-22 14:54
SW - 3	H222697-03	Soil	22-Jun-22 12:00	23-Jun-22 14:54
SW - 4	H222697-04	Soil	22-Jun-22 12:15	23-Jun-22 14:54

06/27/22 - Client changed the project name (see COC). This is the revised report and will replace the one sent earlier 06/27/22.

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

Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**SW - 1**  
**H222697-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	2062706	GM	27-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062404	JH/	25-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140 2062404 JH/ 25-Jun-22 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	

Surrogate: 1-Chlorooctane 119 % 43-149 2062416 MS 25-Jun-22 8015B

Surrogate: 1-Chlorooctadecane 144 % 42.5-161 2062416 MS 25-Jun-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**SW - 2****H222697-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	2062706	GM	27-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2062404	JH/	25-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	98.3 %	69.9-140	2062404	JH/	25-Jun-22	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B

Surrogate: 1-Chlorooctane	119 %	43-149	2062416	MS	25-Jun-22	8015B
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Surrogate: 1-Chlorooctadecane	145 %	42.5-161	2062416	MS	25-Jun-22	8015B
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**SW - 3****H222697-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	2062706	GM	27-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2062404	JH/	25-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.5 %	69.9-140	2062404	JH/	25-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	

Surrogate: 1-Chlorooctane	120 %	43-149	2062416	MS	25-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane	145 %	42.5-161	2062416	MS	25-Jun-22	8015B	
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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**SW - 4****H222697-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	2062706	GM	27-Jun-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2062404	JH/	25-Jun-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2062404	JH/	25-Jun-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.2 %		69.9-140	2062404	JH/	25-Jun-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2062416	MS	25-Jun-22	8015B	

Surrogate: 1-Chlorooctane			121 %		43-149	2062416	MS	25-Jun-22	8015B	
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Surrogate: 1-Chlorooctadecane			147 %		42.5-161	2062416	MS	25-Jun-22	8015B	
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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2062706 - 1:4 DI Water</b>									
<b>Blank (2062706-BLK1)</b>				Prepared & Analyzed: 27-Jun-22					
Chloride	ND	16.0	mg/kg						
<b>LCS (2062706-BS1)</b>				Prepared & Analyzed: 27-Jun-22					
Chloride	416	16.0	mg/kg	400		104	80-120		
<b>LCS Dup (2062706-BSD1)</b>				Prepared & Analyzed: 27-Jun-22					
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2062404 - Volatiles****Blank (2062404-BLK1)**

Prepared: 24-Jun-22 Analyzed: 25-Jun-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	69.9-140			

**LCS (2062404-BS1)**

Prepared: 24-Jun-22 Analyzed: 27-Jun-22

Benzene	1.97	0.050	mg/kg	2.00		98.4	83.4-122			
Toluene	1.95	0.050	mg/kg	2.00		97.5	84.2-126			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.5	84.2-121			
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.1	89.9-126			
o-Xylene	1.88	0.050	mg/kg	2.00		94.2	84.3-123			
Total Xylenes	5.85	0.150	mg/kg	6.00		97.5	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	69.9-140			

**LCS Dup (2062404-BSD1)**

Prepared: 24-Jun-22 Analyzed: 25-Jun-22

Benzene	2.11	0.050	mg/kg	2.00		106	83.4-122	7.17	12.6	
Toluene	2.09	0.050	mg/kg	2.00		104	84.2-126	6.84	13.3	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	84.2-121	6.94	13.9	
m,p-Xylene	4.25	0.100	mg/kg	4.00		106	89.9-126	6.91	13.6	
o-Xylene	2.03	0.050	mg/kg	2.00		101	84.3-123	7.32	14.1	
Total Xylenes	6.27	0.150	mg/kg	6.00		105	89.1-124	7.04	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.7	69.9-140			

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**Analytical Results For:**

TALON LPE  
408 W. TEXAS AVE.  
ARTESIA NM, 88210

Project: CUADITRO AZ FED 1#  
Project Number: 700438.293.01  
Project Manager: REBECCA PONS  
Fax To: (575) 745-8905

Reported:  
27-Jun-22 14:56

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2062416 - General Prep - Organics****Blank (2062416-BLK1)**

Prepared &amp; Analyzed: 24-Jun-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	57.5		mg/kg	50.0		115	43-149			
Surrogate: 1-Chlorooctadecane	69.5		mg/kg	50.0		139	42.5-161			

**LCS (2062416-BS1)**

Prepared &amp; Analyzed: 24-Jun-22

GRO C6-C10	193	10.0	mg/kg	200		96.7	78.5-128			
DRO >C10-C28	203	10.0	mg/kg	200		101	75.8-135			
Total TPH C6-C28	396	10.0	mg/kg	400		99.0	81.5-127			
Surrogate: 1-Chlorooctane	64.1		mg/kg	50.0		128	43-149			
Surrogate: 1-Chlorooctadecane	75.9		mg/kg	50.0		152	42.5-161			

**LCS Dup (2062416-BS1)**

Prepared &amp; Analyzed: 24-Jun-22

GRO C6-C10	192	10.0	mg/kg	200		96.2	78.5-128	0.611	21.4	
DRO >C10-C28	203	10.0	mg/kg	200		102	75.8-135	0.261	17.9	
Total TPH C6-C28	395	10.0	mg/kg	400		98.9	81.5-127	0.164	17.6	
Surrogate: 1-Chlorooctane	62.4		mg/kg	50.0		125	43-149			
Surrogate: 1-Chlorooctadecane	76.2		mg/kg	50.0		152	42.5-161			

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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

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

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Celey D. Keene, Lab Director/Quality Manager



Page 11 of 11



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July 01, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CUADRITO AZP FED 1

Enclosed are the results of analyses for samples received by the laboratory on 06/29/22 12:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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](http://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".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/29/2022	Sampling Date:	06/28/2022
Reported:	07/01/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP FED 1	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 7 A 4' (H222795-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2022	ND	2.10	105	2.00	5.69	
Toluene*	<0.050	0.050	06/30/2022	ND	2.06	103	2.00	5.77	
Ethylbenzene*	<0.050	0.050	06/30/2022	ND	2.04	102	2.00	5.92	
Total Xylenes*	<0.150	0.150	06/30/2022	ND	6.19	103	6.00	6.09	
Total BTX	<0.300	0.300	06/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/30/2022	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	06/30/2022	ND	190	94.8	200	6.35	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	208	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 43-149

Surrogate: 1-Chlorooctadecane 82.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/29/2022	Sampling Date:	06/28/2022
Reported:	07/01/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP FED 1	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 8 A 4' (H222795-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2022	ND	2.10	105	2.00	5.69		
Toluene*	<0.050	0.050	06/30/2022	ND	2.06	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	06/30/2022	ND	2.04	102	2.00	5.92		
Total Xylenes*	<0.150	0.150	06/30/2022	ND	6.19	103	6.00	6.09		
Total BTEx	<0.300	0.300	06/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/30/2022	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	06/30/2022	ND	190	94.8	200	6.35	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	208	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 42.5-161

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/29/2022	Sampling Date:	06/28/2022
Reported:	07/01/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP FED 1	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 9 A 4' (H222795-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2022	ND	2.10	105	2.00	5.69		
Toluene*	<0.050	0.050	06/30/2022	ND	2.06	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	06/30/2022	ND	2.04	102	2.00	5.92		
Total Xylenes*	<0.150	0.150	06/30/2022	ND	6.19	103	6.00	6.09		
Total BTEx	<0.300	0.300	06/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	06/30/2022	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	06/30/2022	ND	190	94.8	200	6.35	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	208	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 63.0 % 43-149

Surrogate: 1-Chlorooctadecane 67.9 % 42.5-161

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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/29/2022	Sampling Date:	06/28/2022
Reported:	07/01/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP FED 1	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 10 A 4' (H222795-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2022	ND	2.10	105	2.00	5.69		
Toluene*	<0.050	0.050	06/30/2022	ND	2.06	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	06/30/2022	ND	2.04	102	2.00	5.92		
Total Xylenes*	<0.150	0.150	06/30/2022	ND	6.19	103	6.00	6.09		
Total BTEx	<0.300	0.300	06/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/30/2022	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	06/30/2022	ND	190	94.8	200	6.35	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	208	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 60.4 % 43-149

Surrogate: 1-Chlorooctadecane 65.3 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 REBECCA PONS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

Received:	06/29/2022	Sampling Date:	06/28/2022
Reported:	07/01/2022	Sampling Type:	Soil
Project Name:	CUADRITO AZP FED 1	Sampling Condition:	Cool & Intact
Project Number:	700438.293.01	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG RESOURCES - EDDY CO NM		

**Sample ID: S - 11 A 4' (H222795-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/30/2022	ND	2.10	105	2.00	5.69		
Toluene*	<0.050	0.050	06/30/2022	ND	2.06	103	2.00	5.77		
Ethylbenzene*	<0.050	0.050	06/30/2022	ND	2.04	102	2.00	5.92		
Total Xylenes*	<0.150	0.150	06/30/2022	ND	6.19	103	6.00	6.09		
Total BTEx	<0.300	0.300	06/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/30/2022	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	06/30/2022	ND	190	94.8	200	6.35	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	208	104	200	5.75	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 89.3 % 42.5-161

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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

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\*=Accredited Analyte

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

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Celey D. Keene, Lab Director/Quality Manager





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

**(575) 393-2326 FAX (575) 393-2476**

Company Name: Talon LPE										
Project Manager: R. Pons				P.O. #:						
Address: 408 W. Texas Ave				Company:						
City: Artesia				Attn:						
State: NM zip: 88210				Address:						
Phone #: 575.746.8768 Fax #:				City:						
Project #: 700438.293.01 Project Owner: EOG				State:						
Project Location: Eddy County, NM				Zip:						
Sampler Name: J. Carnes				Phone #:						
FOR LAB USE ONLY				Fax #:						
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.						
				# CONTAINERS						
				GROUNDWATER						
				WASTEWATER						
				SOIL						
				OIL						
				SLUDGE						
				OTHER :						
				ACID/BASE:						
				ICE / COOL						
				OTHER :						
				DATE						
				TIME						
H22279S	S-7A 4'	X	6-28-22	11:00	X	Chlorides				
	S-8A 4'	X	11:05		X	TPH				
	S-9A 4'	X	11:10		X	BTEX				
	S-10A 4'	X	11:15							
	S-11A 4'	X	11:20							
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Relinquished By:		Date: 6-29-22	Received By:		Phone Result:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:		
		Time: 12:25			Fax Result:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:		
Delivered By: (Circle One)		3.0L C-O.S.E	CHECKED BY: (Initials)		REMARKS:					
Sampler - UPS - Bus - Other:		2.5L #113	Cool Intact	No Yes						

**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 126160

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 126160
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	Please note that, when the well or facility is plugged or abandoned, the final remediation (and reclamation) shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. This report does not mention reclamation efforts, which are required.	11/10/2022