

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>239</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>4.979</u>
Barrels of Soil Impacted	<u>0.89</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>0.13</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>0.13</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>239</u>	<u>1.000</u>
Standing fluid	<u>3.550</u>
Total fluids spilled	<u>3.683</u>

Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1485</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>30.938</u>
Barrels of Soil Impacted	<u>5.51</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>0.83</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	<u>0.83</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>1485</u>	<u>0.250</u>
Standing fluid	<u>5.515</u>
Total fluids spilled	<u>6.342</u>

**Devon Energy Production Company, LP.
6488 Seven Rivers HWY
Artesia, NM 88210
575-748-0167**

May 15, 2024

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

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

**Re: Site Characterization and Remediation Plan Report
Regulus 26 Fed 5H Wellpad
API No. 30-015-42489
GPS: Latitude 32.637432 Longitude -103.833465
UL -- A, Sec. 26, T19S, R31E Eddy County, NM
NMOCD Incident IDs. nRM2026532878 & nAPP2118853816**

This crude oil and produced water mixed release was discovered by the operator on September 9, 2020. The initial C-141 was submitted on September 21, 2020 (OCD Permitting: Application ID 10174). This incident was assigned Incident ID nRM2026532878 by the New Mexico Oil Conservation Division (NMOCD).

This produced water release was discovered by the operator on June 16, 2021. The initial Notification of Release and C-141 were submitted on July 7, 2021 (OCD Permitting: Applications [35385] and [35394]). This incident was assigned Incident ID nAPP2118853816 by the New Mexico Oil Conservation Division (NMOCD).

Release Information

nRM2026532878: On September 9, 2020, trapper box failed causing fluid release. Approximately 4 barrels (bbls) of crude oil and 6 bbls of produced water was released and 9 bbls were recovered via vacuum truck. For this particular release, the previously rejected closure report can be found in OCD Permitting: Application ID 164384.

nAPP2118853816: On June 16, 2021, a valve washed out on well causing fluid release. Approximately 20.42 barrels (bbls) of produced water was released and 20 bbls were recovered via vacuum truck. A Site Map can be found in Figure 4.

Site Information and Site Characterization

The Regulus 26 Fed 5H Wellpad (Regulus) is located approximately fifteen (15) miles southeast of Loco Hills, NM. The release area around the wellhead is in Unit A, Section 26, Township 19S, Range 31E, Latitude 32.637432 Longitude -103.833465, Eddy County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is made up of eolian and piedmont deposits; Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Wink loamy fine sand, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The drainage class in this area is: well drained (Appendix B). A Topographic Map can be found in Figure 2. The nearest surface water feature is a salt pond located approximately 3.52 miles to the south of this site. There is a low potential for karst geology to be present around the Regulus (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 130 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 142 feet BGS. The groundwater information from CP-01939 POD1 establishes a lack of groundwater at 55' bgs. This POD was drilled and recorded by Atkins Engineering Associates, INC. on April 6, 2023. The well bore was left open for the required 72-hour timeframe then checked for saturation. No saturation or water-bearing soil was encountered, the well was then plugged on April 18, 2023. Depth to groundwater at the Regulus will be classified as 51-100' BGS. Reference water surveys, pod information, and water-related maps can be found in Appendix A.

Delineation Activities

On June 18, 2021, Pima personnel mobilized to the site to begin delineation activities. Samples for vertical delineation were collected from 6 different sample points from depths of 0-6", 2', and 4' bgs. Vertical delineation was not completed at this time for sample points S1 and S2. Horizontal delineation was not completed at this time. The results of this sampling event can be seen in the following data table. The release area measures approximately 4,291 square feet and affects approximately 159 cubic yards of soil. The release remained on the engineered pad, which is still needed for subsequent production and/or drilling purposes.

6-18-2024 Soil Sampling Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - REGULUS 26 FED 5H								
Date 6/18/2021		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	0-6"	19.5	ND	326	5860	857	7043	15000
	2'	ND	ND	ND	ND	ND	0	2180
	4'	ND	ND	ND	32.5	ND	32.5	880
S-2	0-6"	11.1	0.109	ND	14500	2280	16780	19600
	2'	ND	ND	ND	ND	ND	0	2160
	4'	ND	ND	ND	ND	ND	0	720
S-3	0-6"	5.66	0.05	90.8	7320	1430	8840.8	15800
	2'	ND	ND	ND	ND	ND	0	672
	4'	ND	ND	ND	ND	ND	0	496
S-4	0-6"	ND	ND	ND	119	18.2	137.2	19400
	2'	ND	ND	ND	ND	ND	0	528
	4'	ND	ND	ND	ND	ND	0	240
S-5	0-6"	3.66	ND	61.4	4560	820	5441.4	21400
	2'	ND	ND	ND	ND	ND	0	128
	4'	ND	ND	ND	ND	ND	0	144
S-6	0-6"	ND	10.6	2170	75600	11000	88770	15600
	2'	ND	ND	ND	44	ND	44	400
	4'	ND	ND	ND	39.3	ND	39.3	208

ND – Non-Detect

On May 16, 2024, Pima personnel returned to the site to complete the delineation of this release area. 5-point composite horizontal delineation samples were collected from SW1 through SW8. Each composite sample consisted of 1', 2', 3', 4', and 5' samples. Additionally, further investigation was conducted at S1 and S2 to determine vertical delineation. Discreet samples were collected from 1' and 5' at these sample points. The laboratory results of this sampling event can be seen in the following data table.

5-16-24 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - REGULUS 26 FED 5H								
Date: 5/16/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1-1'	1'	ND	ND	ND	ND	ND	0	233
S1-5'	5'	ND	ND	ND	ND	ND	0	ND
S2-1'	1'	ND	ND	ND	ND	ND	0	259
S2-5'	5'	ND	ND	ND	ND	ND	0	ND
SW1 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW2 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW3 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW4 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW5 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW6 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW7 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND
SW8 (0-4')	0-4'	ND	ND	ND	ND	ND	0	ND

ND – Non-Detect

Complete Laboratory Reports can be found in Appendix E.

Proposed Remediation Activities & Countermeasures to Closure Rejection

nRM2026532878: On behalf of Devon Energy, Pima proposes to excavate the previously SA1000 treated soil, and haul it to an approved, lined disposal facility. Clean, fresh backfill material will be brought back to the site to backfill the excavated area. Further details can be found below as this excavation will be combined with the excavation for nAPP2118853816.

nAPP2118853816: On behalf of Devon Energy, Pima proposes to remediate this area by the following method:

- Submit a one-call through the NM811 system.
- The estimated total combined volume of soil to be remediated is approximately 208 cubic yards. Approximately 1' of soil will be excavated from a 4,988 square foot area. Approximately 3' of soil will be excavated from a 204 square foot area. A Combined Excavation Map can be found in Figure 5.
- We propose to use mechanical excavation means to excavate the entire area and dispose of the contaminated soil at an NMOCD-approved disposal facility.
- Submit a 48-hour sampling notification for the collection of confirmation samples. A total of 26 5-point composite samples will be collected from the base of the excavation. A total of 8 5-point composite samples will be collected from the walls of the excavation. All samples will be put on ice, jarred, and delivered to an NMOCD-approved laboratory for official testing for all constituents.
- If contamination levels are found to be under closure criteria per Table 1 of 19.15.29 NMAC, the excavation will be backfilled with clean, like material and a final remediation closure report will be drafted and submitted to the NMOCD pay portal for review/approval. If contamination levels are found to be over the closure criteria per Table 1 of 19.15.29 NMAC, further excavation will take place, then steps 4 and 5 of this plan will be repeated.

Remediation Plan Approval Request

After careful review, Devon Energy requests that this remediation plan for incidents nRM2026523878, nAPP2118853816, be approved. Devon has complied with the applicable remediation plan requirements set forth in rule 19.15.29.12 NMAC.

For questions or additional information, please feel free to contact:

Devon Energy – Dale Woodall – 575-748-1838 or dale.woodall@devon.com.

Pima Environmental – Tom Bynum – 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Combined Excavation Map

Appendices:

- Appendix A – Referenced Water Surveys and Water-Related Maps
- Appendix B – Soil Survey and Geologic Unit Map
- Appendix C – NMOCD Correspondence
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Figures:

1 - Location Map

2 - Topographic Map

3 - Karst Map

4 - Site Map

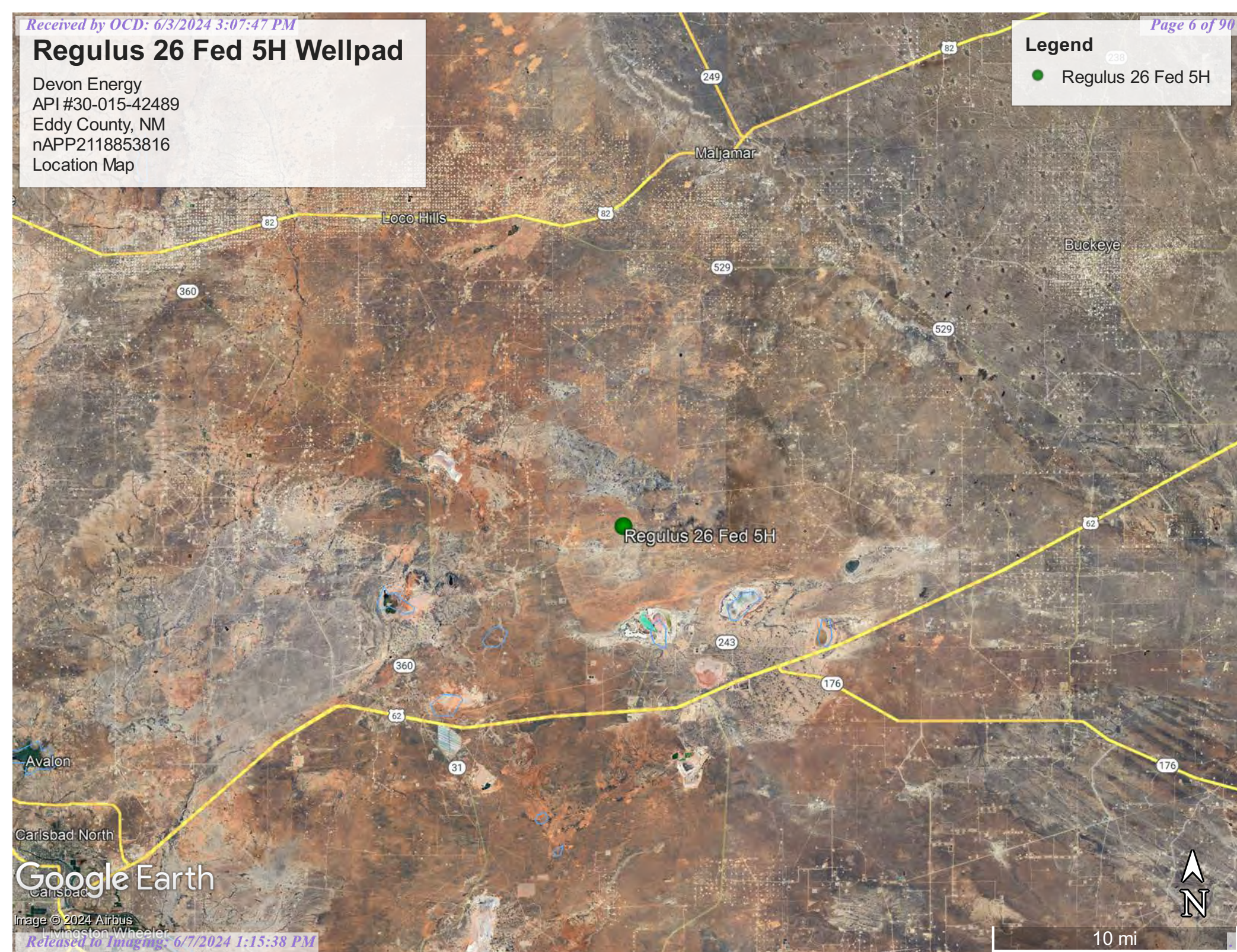
5 - Combined Excavation Map

Regulus 26 Fed 5H Wellpad

Devon Energy
API #30-015-42489
Eddy County, NM
nAPP2118853816
Location Map

Legend

● Regulus 26 Fed 5H

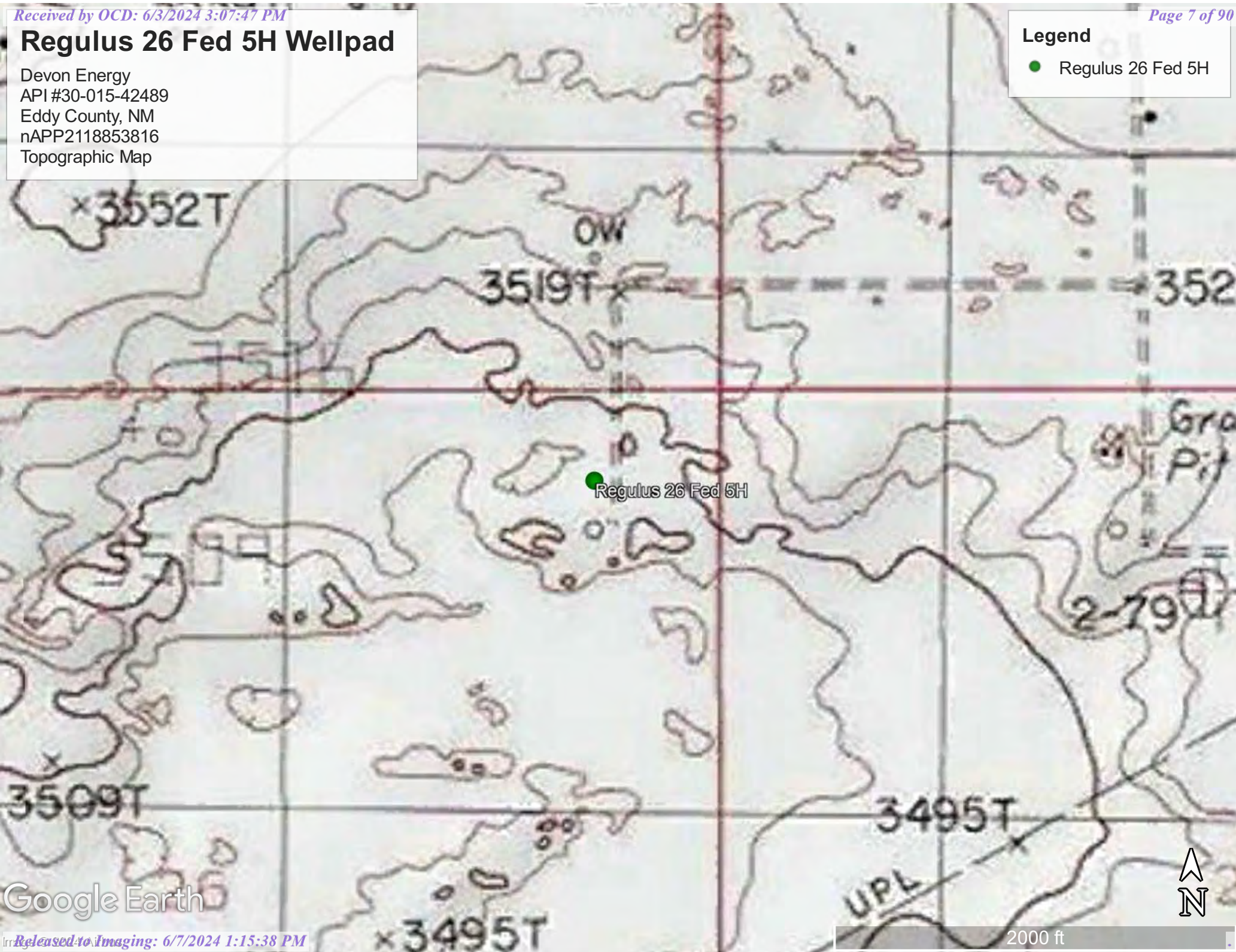


Regulus 26 Fed 5H Wellpad

Devon Energy
API #30-015-42489
Eddy County, NM
nAPP2118853816
Topographic Map

Legend

● Regulus 26 Fed 5H



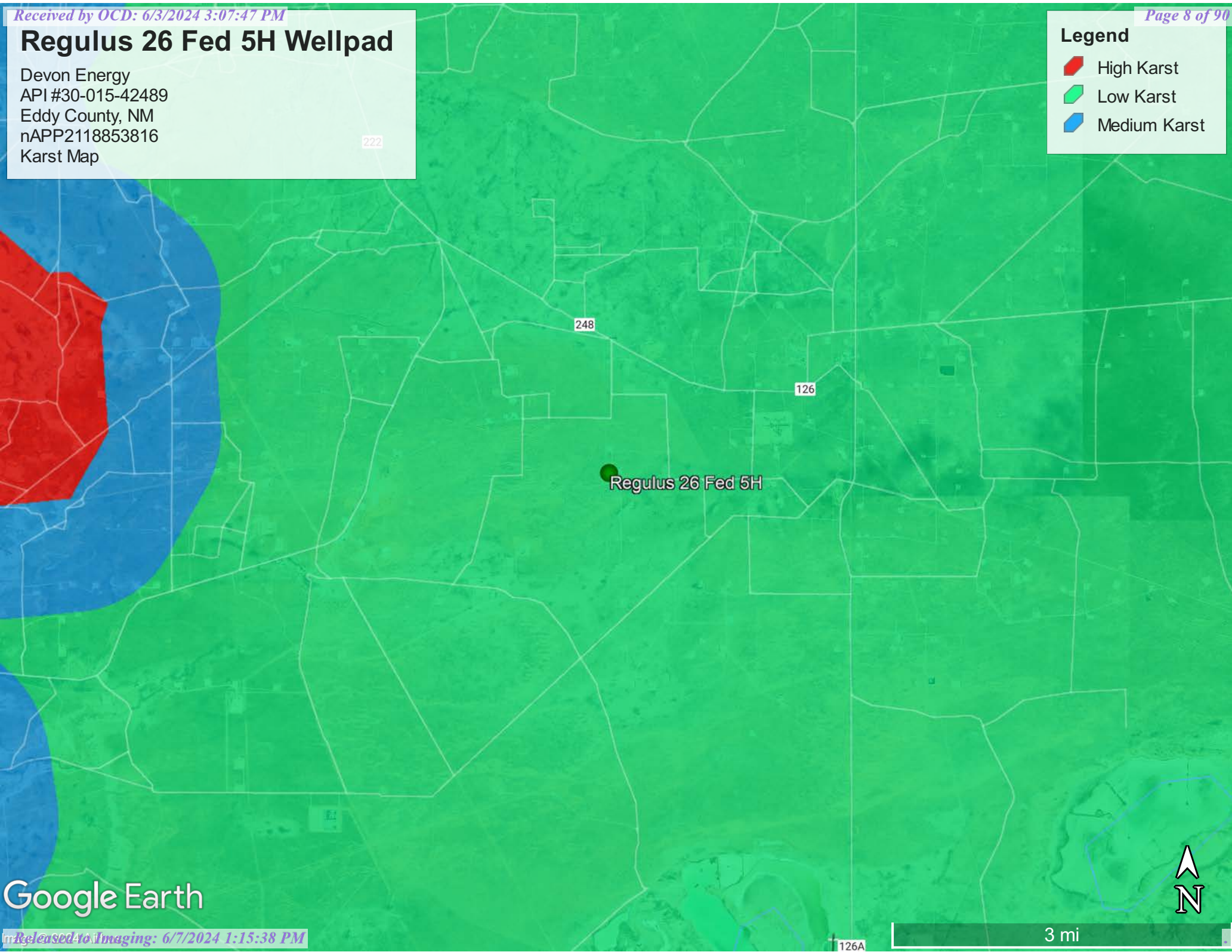
Google Earth

Regulus 26 Fed 5H Wellpad

Devon Energy
API #30-015-42489
Eddy County, NM
nAPP2118853816
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

Regulus 26 Fed 5H Wellpad

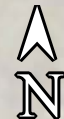
Devon Energy
API #30-015-42489
Eddy County, NM
nAPP2118853816
Site Map

Legend

- BG1
- Horizontal Delineation Samples
- POR
- Spill Area - 4,291 sqft
- Vertical Delineation Samples



Google Earth



100 ft

Regulus 26 Fed 5H

Devon Energy
API #30-015-42489
Eddy County, NM
nRM2026535878
nAPP2118853816
Combined Excavation Map

Legend

-  1' Excavation - 4,888 sqft 185 cuys
-  3' Excavation - 204 sqft 23 cuys



Regulus 26 Fed 5H

 32.637310, -103.833433



90 ft

Google Earth



Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

Wetlands Map

Fema Flood Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01939 POD1		CP	ED	2	4	2	26	19S	31E	609488	3611347	353			
CP 00642 POD1		CP	ED	2	2	25	19S	31E	611025	3611657*		1605	250		
CP 00641 POD1		CP	ED	4	1	36	19S	31E	610247	3609634*		2219	300	130	170
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	2781	400		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	2800	400		

Average Depth to Water: **130 feet**

Minimum Depth: **130 feet**

Maximum Depth: **130 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 609420.41

Northing (Y): 3611693.98

Radius: 3000

*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.

5/14/24 12:42 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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	Tws	Rng	X	Y
NA	CP 01939 POD1	2	4	2	26	19S	31E	609488	3611347 
x									
Driller License:	1249	Driller Company:				ATKINS ENGINEERING ASSOC. INC.			
Driller Name:	JACKIE D, ATKINS								
Drill Start Date:	04/06/2023	Drill Finish Date:				04/06/2023	Plug Date:	04/18/2023	
Log File Date:	04/28/2023	PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:				Depth Water:			
x									

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.

5/14/24 12:42 PM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). CP-1939			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 38	SECONDS 3.45 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE -103	49	57.98 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SE NE Sec.26 T19S R31E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 4/6/23	DRILLING ENDED 4/6/23	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4/18/23		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55		±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
4. HYDROGEOLOGIC LOG OF WELL	0	4	4	Sand, fine-grained, poorly graded, unconsolidated, Tan	Y ✓ N		
	4	20	16	Sand, fine-grained, poorly graded, semi-consolidated, Tan off white	Y ✓ N		
	20	25	5	Clay, semi plastic, with fine-grained sand, gray/white	Y ✓ N		
	25	40	15	Clay, Stiff, semi-plastic, gray/white	Y ✓ N		
	40	55	15	Sand, fine/very fine-grained, poorly graded, unconsolidated, Tan	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):	0.00
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 6 Regulus 26 Fed 2 USE ON PM 23 2023 MW 1125							
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jackie Atkins Jackie D. Atkins 4/27/23 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE						

OSE POD Location Map



5/14/2024, 1:53:37 PM

GIS WATERS PODs

● Active

● Plugged

●

OSE District Boundary

Water Right Regulations

Closure Area

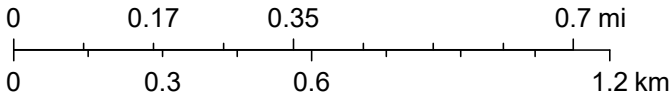
New Mexico State Trust Lands

Both Estates

NHD Flowlines

Pipeline

1:18,056



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



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

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 323803103510001

Minimum number of levels = 1

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

USGS 323803103510001 19S.31E.27.21000

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'03", Longitude 103°51'00" NAD27

Land-surface elevation 3,503 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

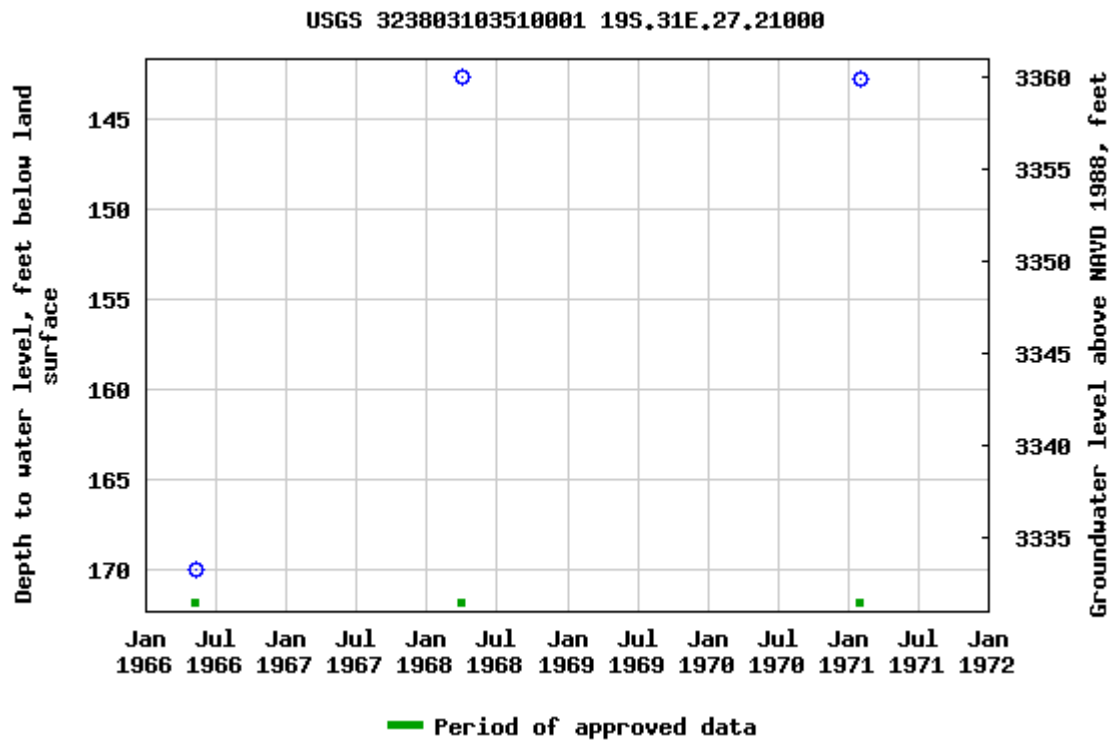
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-05-14 14:40:24 EDT

0.67 0.54 nadww01

Regulus 26 Fed 5H Wellpad

Devon Energy
API #30-015-42489
Eddy County, NM
nAPP2118853816
Surface Water Map

Legend

- 3.52 Miles
- Salt Pond

Regulus 26 Fed 5H

Salt Pond

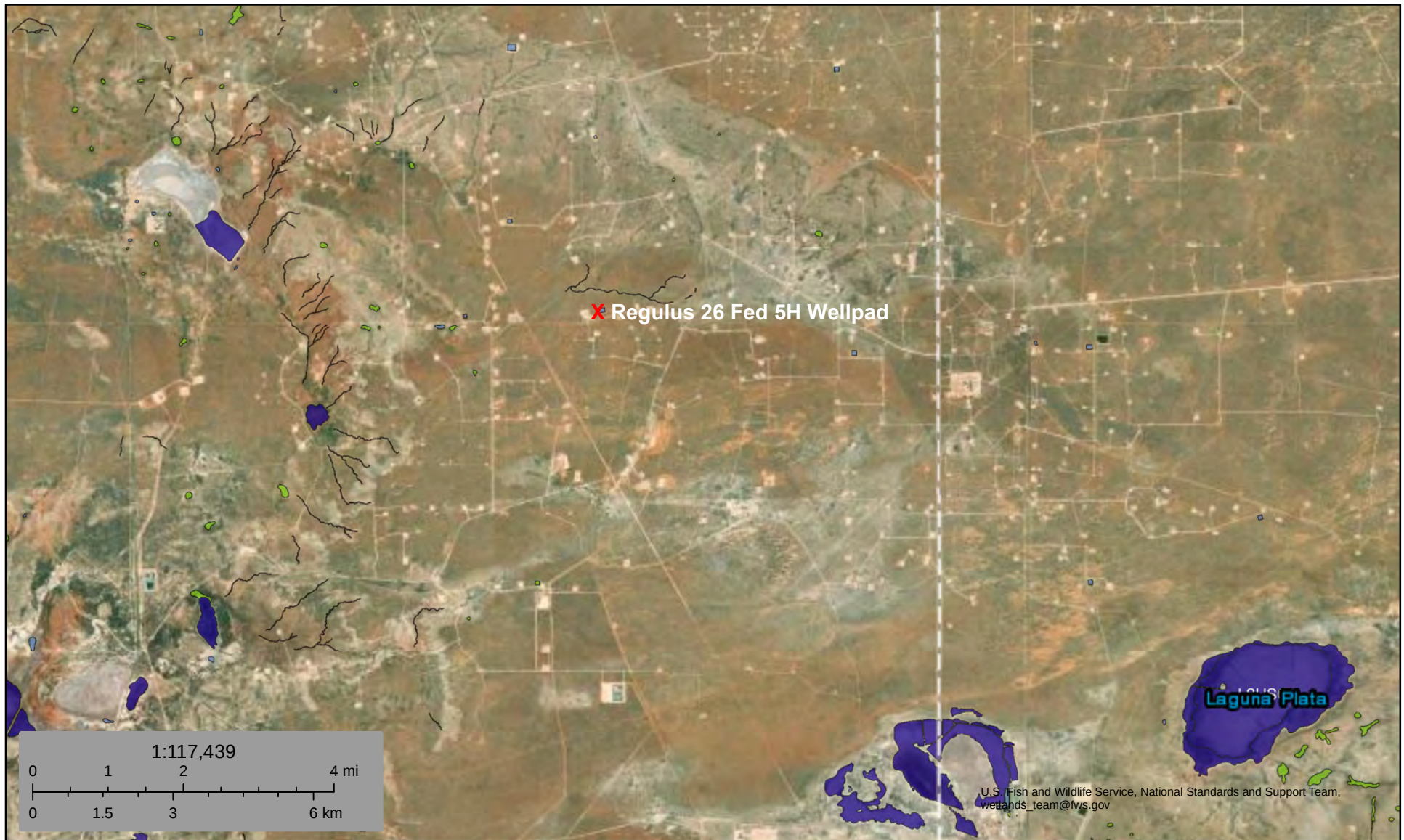
Google Earth



2 mi



Wetlands Map



February 23, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

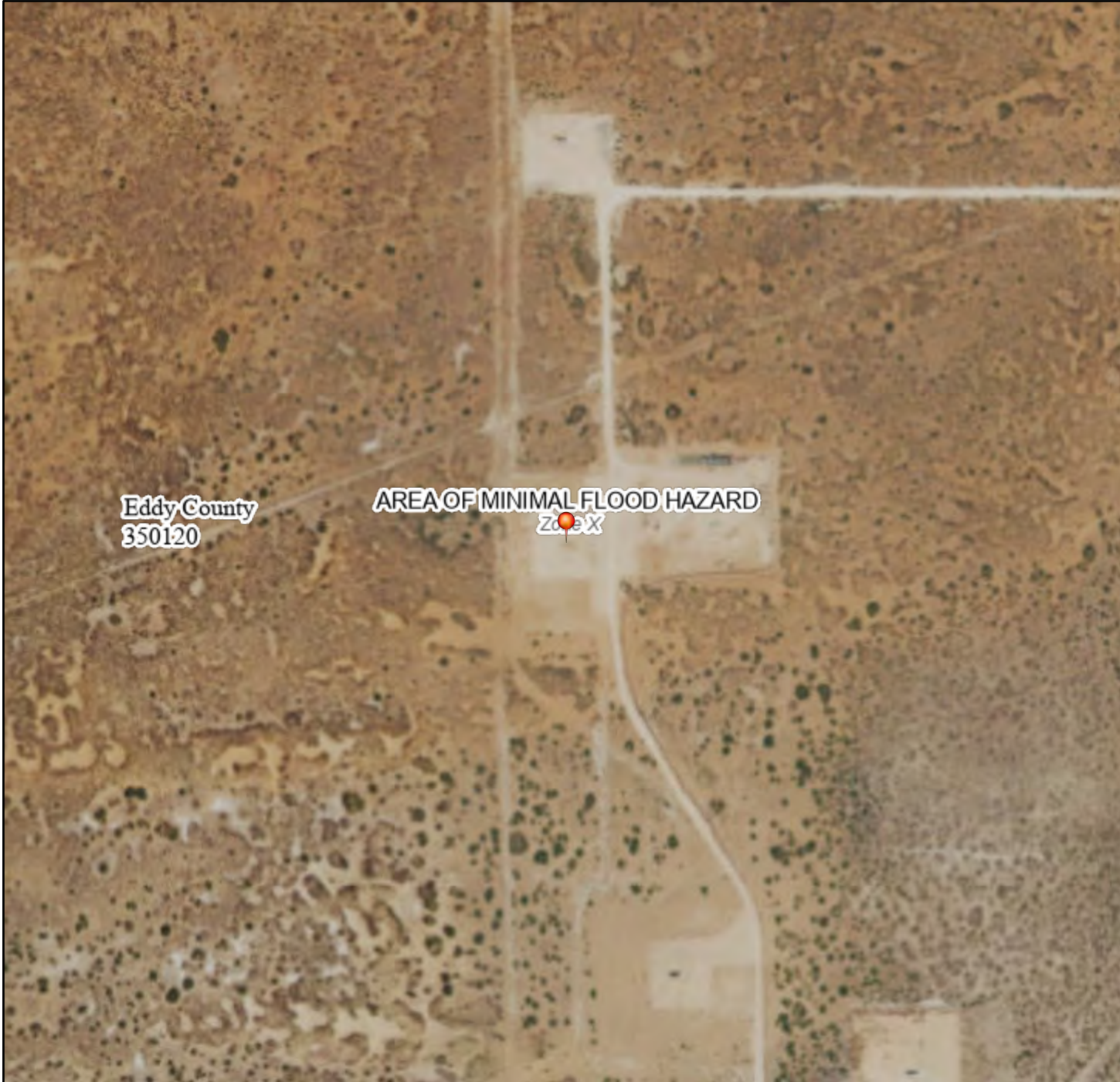
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



103°50'19"W 32°38'30"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
		Area of Minimal Flood Hazard <i>Zone X</i>
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		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 4/12/2021 at 3:51 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.



Appendix B

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q

Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent

Berino and similar soils: 35 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand

H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/31/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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

Map Unit Legend

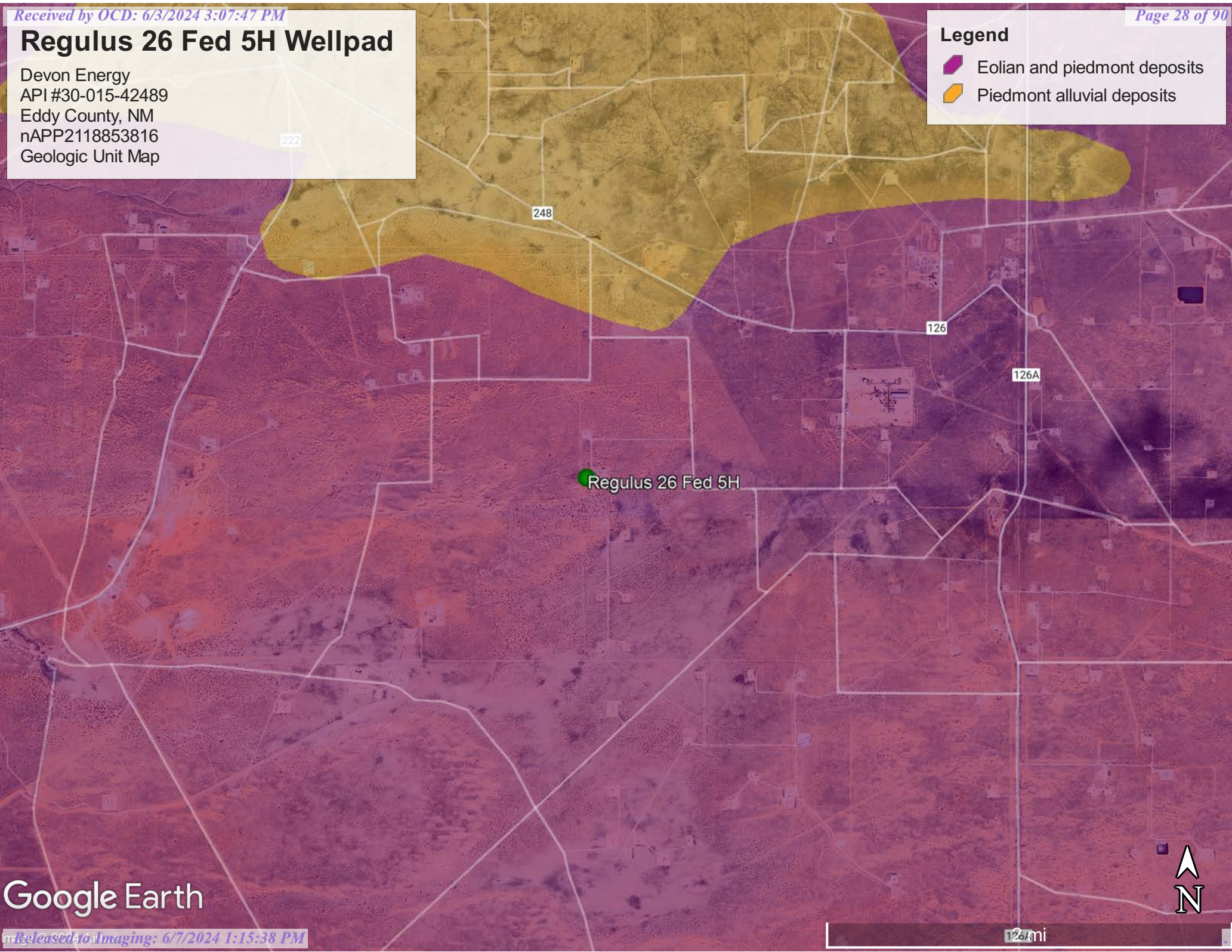
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KM	Kermit-Berino fine sands, 0 to 3 percent slopes	3.2	100.0%
Totals for Area of Interest		3.2	100.0%

Regulus 26 Fed 5H Wellpad

Devon Energy
API #30-015-42489
Eddy County, NM
nAPP2118853816
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Piedmont alluvial deposits



Google Earth



Pima Environmental Services

Appendix C

C-141 Pages

NMOCD Correspondence

Incident ID	nAPP2118853816
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2118853816
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: Dale Woodall Title: Environmental Professional

Signature: _____ Date: _____

email: dale.woodall@dn.com Telephone: 575-748-1838

OCD Only

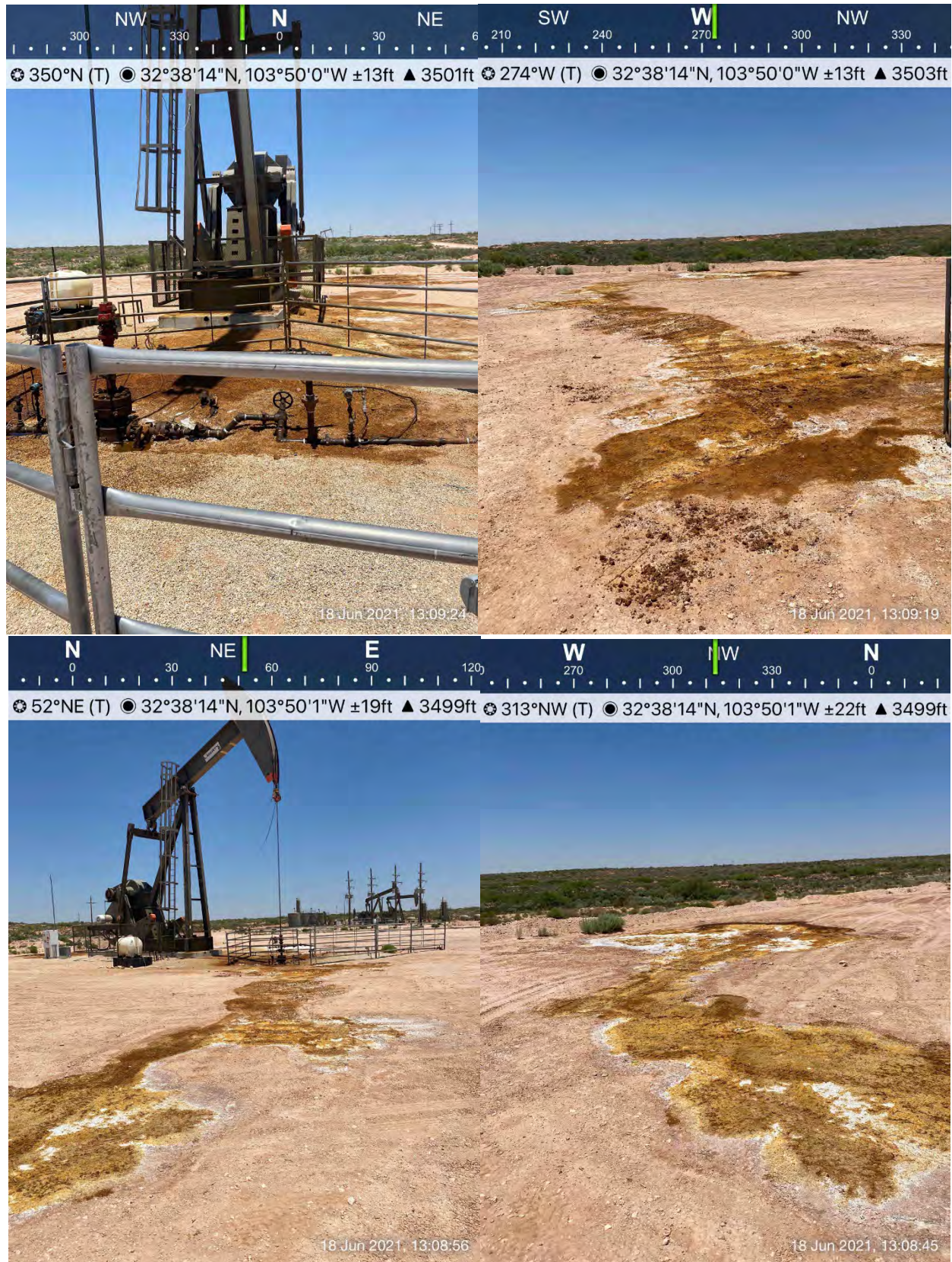
Received by: _____ Date: _____



Appendix D

Photographic Documentation









+32.637594,-103.833559
Eddy County
Devon
Regulus 26 Fed 5H
Assessment



Appendix E

Laboratory Reports



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

June 25, 2021

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: REGULUS 26

Enclosed are the results of analyses for samples received by the laboratory on 06/22/21 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 1 - SURFACE (H211619-01)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23	
Toluene*	1.51	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	4.03	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	14.0	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76	
Total BTX	19.5	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 263 % 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	15000	16.0	06/24/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	326	100	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	5860	100	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	857	100	06/23/2021	ND					

Surrogate: 1-Chlorooctane 148 % 44.3-133

Surrogate: 1-Chlorooctadecane 256 % 38.9-142

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:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 1 - 2' (H211619-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2180	16.0	06/24/2021	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	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	18.4	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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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:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 1 - 4' (H211619-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	880	16.0	06/24/2021	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	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	32.5	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-133

Surrogate: 1-Chlorooctadecane 113 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 2 - SURFACE (H211619-04)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.109	0.050	06/24/2021	ND	2.04	102	2.00	6.23	
Toluene*	1.04	0.050	06/24/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	2.38	0.050	06/24/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	7.61	0.150	06/24/2021	ND	5.78	96.3	6.00	5.76	
Total BTEX	11.1	0.300	06/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 184 % 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	19600	16.0	06/24/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	14500	100	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	2280	100	06/23/2021	ND					

Surrogate: 1-Chlorooctane 141 % 44.3-133

Surrogate: 1-Chlorooctadecane 508 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 2 - 2' (H211619-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	2160	16.0	06/24/2021	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	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 2 - 4' (H211619-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23	
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76	
Total BTX	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	720	16.0	06/24/2021	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	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 3 - SURFACE (H211619-07)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.050	0.050	06/24/2021	ND	2.04	102	2.00	6.23	
Toluene*	0.645	0.050	06/24/2021	ND	1.97	98.6	2.00	6.09	
Ethylbenzene*	0.969	0.050	06/24/2021	ND	1.90	95.1	2.00	6.08	
Total Xylenes*	4.00	0.150	06/24/2021	ND	5.78	96.3	6.00	5.76	
Total BTEX	5.66	0.300	06/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 178 % 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	15800	16.0	06/24/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	90.8	50.0	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	7320	50.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	1430	50.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 142 % 44.3-133

Surrogate: 1-Chlorooctadecane 310 % 38.9-142

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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 3 - 2' (H211619-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	672	16.0	06/24/2021	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	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 3 - 4' (H211619-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	496	16.0	06/24/2021	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	06/23/2021	ND	203	101	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	209	104	200	0.383	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 4 - SURFACE (H211619-10)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEX	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	19400	16.0	06/24/2021	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/23/2021	ND	168	84.1	200	23.0		
DRO >C10-C28*	119	10.0	06/23/2021	ND	186	92.9	200	23.2	QM-07, QR-03	
EXT DRO >C28-C36	18.2	10.0	06/23/2021	ND						

Surrogate: 1-Chlorooctane 126 % 44.3-133

Surrogate: 1-Chlorooctadecane 149 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 4 - 2' (H211619-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	2.04	102	2.00	6.23		
Toluene*	<0.050	0.050	06/23/2021	ND	1.97	98.6	2.00	6.09		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.90	95.1	2.00	6.08		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.78	96.3	6.00	5.76		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	06/24/2021	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	06/23/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-133

Surrogate: 1-Chlorooctadecane 139 % 38.9-142

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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 4 - 4' (H211619-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	4.01	
Toluene*	<0.050	0.050	06/23/2021	ND	2.06	103	2.00	0.763	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.98	98.8	2.00	0.106	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.94	99.0	6.00	0.320	
Total BTEx	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	240	16.0	06/24/2021	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	06/23/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 5 - SURFACE (H211619-13)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	4.01	
Toluene*	0.264	0.050	06/23/2021	ND	2.06	103	2.00	0.763	
Ethylbenzene*	0.627	0.050	06/23/2021	ND	1.98	98.8	2.00	0.106	
Total Xylenes*	2.77	0.150	06/23/2021	ND	5.94	99.0	6.00	0.320	
Total BTEX	3.66	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 155 % 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	21400	16.0	06/24/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	61.4	10.0	06/24/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	4560	10.0	06/24/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	820	10.0	06/24/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 343 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 5 - 2' (H211619-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	4.01	
Toluene*	<0.050	0.050	06/23/2021	ND	2.06	103	2.00	0.763	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.98	98.8	2.00	0.106	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.94	99.0	6.00	0.320	
Total BTEx	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	128	16.0	06/24/2021	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	06/23/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 5 - 4' (H211619-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	4.01	
Toluene*	<0.050	0.050	06/23/2021	ND	2.06	103	2.00	0.763	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.98	98.8	2.00	0.106	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.94	99.0	6.00	0.320	
Total BTEX	<0.300	0.300	06/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	144	16.0	06/24/2021	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	06/23/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	<10.0	10.0	06/23/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 6 - SURFACE (H211619-16)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2021	ND	1.95	97.3	2.00	4.01	
Toluene*	0.414	0.050	06/24/2021	ND	2.06	103	2.00	0.763	
Ethylbenzene*	2.01	0.050	06/24/2021	ND	1.98	98.8	2.00	0.106	
Total Xylenes*	8.21	0.150	06/24/2021	ND	5.94	99.0	6.00	0.320	
Total BTEX	10.6	0.300	06/24/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 227 % 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	15600	16.0	06/24/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2170	50.0	06/24/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	75600	50.0	06/24/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	11000	50.0	06/24/2021	ND					

Surrogate: 1-Chlorooctane 902 % 44.3-133

Surrogate: 1-Chlorooctadecane 3660 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 6 - 2' (H211619-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	4.01	
Toluene*	<0.050	0.050	06/23/2021	ND	2.06	103	2.00	0.763	
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.98	98.8	2.00	0.106	
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.94	99.0	6.00	0.320	
Total BTEx	<0.300	0.300	06/23/2021	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	400	16.0	06/24/2021	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	06/23/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	44.0	10.0	06/23/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2021
Reported: 06/25/2021
Project Name: REGULUS 26
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 06/18/2021
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 6 - 4' (H211619-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2021	ND	1.95	97.3	2.00	4.01		
Toluene*	<0.050	0.050	06/23/2021	ND	2.06	103	2.00	0.763		
Ethylbenzene*	<0.050	0.050	06/23/2021	ND	1.98	98.8	2.00	0.106		
Total Xylenes*	<0.150	0.150	06/23/2021	ND	5.94	99.0	6.00	0.320		
Total BTEx	<0.300	0.300	06/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	208	16.0	06/24/2021	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	06/23/2021	ND	168	84.1	200	23.0	
DRO >C10-C28*	39.3	10.0	06/23/2021	ND	186	92.9	200	23.2	
EXT DRO >C28-C36	<10.0	10.0	06/23/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 110 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>DIMA</u>				BILL TO				ANALYSIS REQUEST																				
Project Manager: <u>Tom Bynum</u>				P.O. #:																								
Address: <u>1601 N. Turner St. 500</u>				Company:																								
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:																								
Phone #: Fax #:				Address:																								
Project #: Project Owner:				City:																								
Project Name: <u>Regulus 26</u>				State: Zip:																								
Project Location:				Phone #:																								
Sampler Name: <u>S.O.</u>				Fax #:																								
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME														
<u>H211619</u>																<u>BTEX</u>	<u>CL</u>	<u>TPH</u>										
<u>1</u>	<u>S1-Surface</u>	<u>G</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>6/18/21</u>			<u>X</u>	<u>X</u>	<u>X</u>										
<u>2</u>	<u>S1-2'</u>																											
<u>3</u>	<u>S1-4'</u>																											
<u>4</u>	<u>S2-Surface</u>																											
<u>5</u>	<u>S2-2' S2-2'</u>																											
<u>6</u>	<u>S2-4'</u>																											
<u>7</u>	<u>S3-Surface</u>																											
<u>8</u>	<u>S3-2'</u>																											
<u>9</u>	<u>S3-4'</u>																											
<u>10</u>	<u>S4-Surface</u>																											

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Relinquished By: <u>Sebastian J.</u>	Date: <u>6/21/21</u> Time: <u>10:30</u>	Received By: <u>Godi Benson</u>	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <u>24.4</u>	Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: <u>GA</u>	Turnaround Time: Standard ☒ Rush ☐
			Bacteria (only) Sample Condition Cool Intact ☐ Observed Temp. °C ☐ Yes ☐ No ☐ No ☐ No Corrected Temp. °C
			Thermometer ID #113 Correction Factor None

FORM-006 R.S. 1/06/04/20

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>DIMA</u>				BILL TO				ANALYSIS REQUEST															
Project Manager: <u>Tom Bynum</u>				P.O. #:																			
Address: <u>1601 N. Turner Ste. 500</u>				Company:																			
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:																			
Phone #: Fax #:				Address:																			
Project #: Project Owner:				City:																			
Project Name: <u>Regulus 26</u>				State: Zip:																			
Project Location:				Phone #:																			
Sampler Name: <u>S-0</u>				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME									
<u>H211619</u>															<u>BTEX</u>	<u>CL</u>	<u>TPH</u>						
<u>11</u>	<u>S4-2'</u>	<u>G</u>	<u>1</u>			<u>X</u>					<u>X</u>		<u>6/18/21</u>		<u>X</u>	<u>X</u>	<u>X</u>						
<u>12</u>	<u>S4-4'</u>																						
<u>13</u>	<u>S5-Surface</u>																						
<u>14</u>	<u>S5-2'</u>																						
<u>15</u>	<u>S5-4'</u>																						
<u>16</u>	<u>S6-Surface</u>																						
<u>17</u>	<u>S6-2'</u>																						
<u>18</u>	<u>S6-4'</u>																						

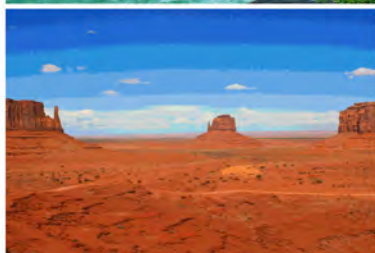
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed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

Relinquished By: <u>[Signature]</u>	Date: <u>6/21/21</u>	Received By: <u>[Signature]</u>	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Time: <u>10:30</u>	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <u>24.6</u>	Sample Condition	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact ☐ Yes ☒ No	Turnaround Time: Standard ☒ Rush ☐
		CHECKED BY (Initials): <u>[Signature]</u>	Bacteria (only) Sample Condition
		Thermometer ID #113	Cool Intact Observed Temp. °C
		Correction Factor None	☐ Yes ☐ No
			☐ No ☐ No Corrected Temp. °C

FORM-006 R 3.1 06/04/20

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Report to:
Gio Gomez



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Regulus 26 FED 5H

Work Order: E405260

Job Number: 01058-0007

Received: 5/20/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/30/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247



Project Name: Regulus 26 FED 5H
Workorder: E405260
Date Received: 5/20/2024 9:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2024 9:30:00AM, under the Project Name: Regulus 26 FED 5H.

The analytical test results summarized in this report with the Project Name: Regulus 26 FED 5H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S1-1'	5
S1-5'	6
S2-1'	7
S2-5'	8
SW1 (0-4')	9
SW2 (0-4')	10
SW3 (0-4')	11
SW4 (0-4')	12
SW5 (0-4')	13
SW6 (0-4')	14
SW7 (0-4')	15
SW8 (0-4')	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 05/30/24 16:47
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E405260-01A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
S1-5'	E405260-02A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
S2-1'	E405260-03A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
S2-5'	E405260-04A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW1 (0-4')	E405260-05A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW2 (0-4')	E405260-06A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW3 (0-4')	E405260-07A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW4 (0-4')	E405260-08A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW5 (0-4')	E405260-09A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW6 (0-4')	E405260-10A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW7 (0-4')	E405260-11A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.
SW8 (0-4')	E405260-12A	Soil	05/16/24	05/20/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Regulus 26 FED 5H Project Number: 01058-0007 Project Manager: Gio Gomez	Reported: 5/30/2024 4:47:05PM
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S1-1'

E405260-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Benzene	ND	0.0250	1	05/22/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/24/24	
Toluene	ND	0.0250	1	05/22/24	05/24/24	
o-Xylene	ND	0.0250	1	05/22/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/24/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		05/22/24	05/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/22/24	05/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2422013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
Surrogate: n-Nonane	103 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2421123	
Chloride	233	20.0	1	05/23/24	05/24/24	



Sample Data

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

Project Name: Regulus 26 FED 5H
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
5/30/2024 4:47:05PM

S1-5'

E405260-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/24/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/24/24	
Toluene	ND	0.0250	1	05/22/24	05/24/24	
o-Xylene	ND	0.0250	1	05/22/24	05/24/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/24/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		05/22/24	05/24/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/22/24	05/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2-1'

E405260-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2422013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
Surrogate: n-Nonane	103 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2421123	
Chloride	259	20.0	1	05/23/24	05/24/24	



Sample Data

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

Project Name: Regulus 26 FED 5H
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
5/30/2024 4:47:05PM

S2-5'

E405260-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	91.8 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

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

Project Name: Regulus 26 FED 5H
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
5/30/2024 4:47:05PM

SW1 (0-4')

E405260-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW2 (0-4')
E405260-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421123	
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW3 (0-4')
E405260-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.1 %	70-130	05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW4 (0-4')
E405260-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421123	
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

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

Project Name: Regulus 26 FED 5H
Project Number: 01058-0007
Project Manager: Gio Gomez

Reported:
5/30/2024 4:47:05PM

SW5 (0-4')

E405260-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW6 (0-4')
E405260-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW7 (0-4')
E405260-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2421092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2422013	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2421123	
Chloride	ND	20.0	1	05/23/24	05/24/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW8 (0-4')
E405260-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Benzene	ND	0.0250	1	05/22/24	05/25/24	
Ethylbenzene	ND	0.0250	1	05/22/24	05/25/24	
Toluene	ND	0.0250	1	05/22/24	05/25/24	
o-Xylene	ND	0.0250	1	05/22/24	05/25/24	
p,m-Xylene	ND	0.0500	1	05/22/24	05/25/24	
Total Xylenes	ND	0.0250	1	05/22/24	05/25/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2421092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/22/24	05/25/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/22/24	05/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2422013
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/24	05/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/24	05/29/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		05/28/24	05/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2421123
Chloride	ND	20.0	1	05/23/24	05/24/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported: 5/30/2024 4:47:05PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421092-BLK1) Prepared: 05/22/24 Analyzed: 05/24/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			

LCS (2421092-BS1) Prepared: 05/22/24 Analyzed: 05/24/24

Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.8	70-130			
Toluene	5.12	0.0250	5.00		102	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.1	70-130			

LCS Dup (2421092-BSD1) Prepared: 05/22/24 Analyzed: 05/24/24

Benzene	5.63	0.0250	5.00		113	70-130	7.94	20	
Ethylbenzene	5.27	0.0250	5.00		105	70-130	7.41	20	
Toluene	5.53	0.0250	5.00		111	70-130	7.67	20	
o-Xylene	5.40	0.0250	5.00		108	70-130	7.84	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	7.07	20	
Total Xylenes	16.2	0.0250	15.0		108	70-130	7.33	20	
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/30/2024 4:47:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2421092-BLK1) Prepared: 05/22/24 Analyzed: 05/24/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			

LCS (2421092-BS2) Prepared: 05/22/24 Analyzed: 05/24/24

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.79		8.00		110	70-130			

LCS Dup (2421092-BSD2) Prepared: 05/22/24 Analyzed: 05/24/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.7	70-130	4.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.93		8.00		112	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/30/2024 4:47:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2422013-BLK1)					Prepared: 05/28/24 Analyzed: 05/29/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	50-200			

LCS (2422013-BS1)					Prepared: 05/28/24 Analyzed: 05/29/24				
Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			

LCS Dup (2422013-BSD1)					Prepared: 05/28/24 Analyzed: 05/29/24				
Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132	0.281	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/30/2024 4:47:05PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2421123-BLK1)					Prepared: 05/23/24 Analyzed: 05/24/24				
Chloride	ND	20.0							
LCS (2421123-BS1)					Prepared: 05/23/24 Analyzed: 05/24/24				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2421123-BSD1)					Prepared: 05/23/24 Analyzed: 05/24/24				
Chloride	255	20.0	250		102	90-110	0.0255	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Regulus 26 FED 5H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/30/24 16:47

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Project Information

Chain of Custody

Page 1 of 2

Client: Pima Environmental Services

Project: Regular 26 Fed. SH

Project Manager: Glo Gomez

Address: 5814 N. Lovington Hwy.

City, State, Zip: Hobbs, NM, 88240

Phone: 808-782-1151

Email: glo@palmaoil.com

Report due by:

Attention: Bill To

Address:

City, State, Zip

Phone:

Email:

Pima Project # 1-48-2

E405260 0105B-0007

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		DRO/ORO	GRO/DRO	BTEX by 8015	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC T	BGDOC T		Remarks
8:03	5/16	S	1	S1-1'	1								X			
8:16				S1-5'	2											
8:22				S2-1'	3											
8:25				S2-5'	4											
8:31				SW1 (0-4')	5											
8:39				SW2 (0-4')	6											
8:45				SW3 (0-4')	7											
8:51				SW4 (0-4')	8											
8:56				SW5 (0-4')	9											
9:07				SW6 (0-4')	10											

Additional Instructions:

B# 20890517

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) Kerime Adame	Date 5-17-24	Time 1330	Received by: (Signature) [Signature]	Date 5-17-24	Time 1330
Relinquished by: (Signature) [Signature]	Date 5-17-24	Time 1750	Received by: (Signature) [Signature]	Date 5/20/24	Time 0930
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y/N

AVG Temp °C

4

Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



E405260 0105B-000



Envirotech Analytical Laboratory

Printed: 5/22/2024 10:48:06AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/20/24 09:30	Work Order ID:	E405260
Phone:	(575) 631-6977	Date Logged In:	05/17/24 18:48	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	05/27/24 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

QUESTIONS

Action 350484

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	350484
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2118853816
Incident Name	NAPP2118853816 REGULUS 26 FED 5H WELLPAD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	REGULUS 26 FED 5H WELLPAD
Date Release Discovered	06/16/2021
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Other (Specify) Produced Water Released: 20 BBL Recovered: 20 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 350484

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	350484
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Spill was not in containment.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 06/03/2024
--	--

District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210
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Energy, Minerals and Natural Resources
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QUESTIONS, Page 3

Action 350484

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 350484
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	21400
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	88700
GRO+DRO	(EPA SW-846 Method 8015M)	77770
BTEX	(EPA SW-846 Method 8021B or 8260B)	19.5
Benzene	(EPA SW-846 Method 8021B or 8260B)	10.6

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	07/15/2024
On what date will (or did) the final sampling or liner inspection occur	07/22/2024
On what date will (or was) the remediation complete(d)	08/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	4291
What is the estimated volume (in cubic yards) that will be remediated	159

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 350484

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 350484
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/03/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 350484

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 350484
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 350484

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 350484
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	350145
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/24/2024
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	4300

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 350484

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 350484
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. Cross Timbers has 90-days (September 5, 2024) to submit to OCD its appropriate or final remediation closure report.	6/7/2024