

Volume calculator

There was no volume calculator prepared when the spill occurred.

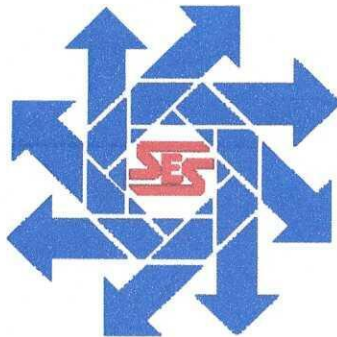
**Devon Energy Production Company**

**Work Plan**

**NRM2014561795**

**REMUDA BASIN 20 FED 1 SWD @ 30-015-29549**

**August 6, 2024**



**Prepared for:**

**Devon Energy Production Company  
6488 Seven Rivers Hwy  
Artesia, New Mexico 88211**

**By:**

**Safety & Environmental Solutions, Inc.  
703 East Clinton Street  
Hobbs, New Mexico 88240**

## Company Contacts

Representative	Company	Telephone	E-mail
Wesley Mathews	Devon Energy	575-578-6195	<a href="mailto:Wesley.Mathews@dvn.com">Wesley.Mathews@dvn.com</a>
Bob Allen	SESI	575-397-0510	<a href="mailto:ballen@sesi-nm.com">ballen@sesi-nm.com</a>

## Background

The Remuda Basin SWD is located approximately twenty-seven (27) miles southeast of Carlsbad, New Mexico. The legal location for this facility is Unit Letter D, Section 20, Township 23 South and Range 30 East in Eddy County, New Mexico. More specifically the latitude and longitude are 32.2968178 North and -103.9101791 West. This site is in a high Karst area.

Incident C-141 received on 5/20/2020 for release on 12/03/2021. The cause of the release was reported as equipment failure: "Mechanical error, triplex pump broke 3 bolts causing fluid release. Fluid ran off pad onto lease road." approximately 12.82 bbls produced water release with 0 bbls recovered.

## Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water is not present within 3,000 feet of this release. According to the New Mexico Office of the State Engineer the ground water in this area is approximately 105-feet below ground surface (BGS). SESI will attempt to delineate this release to the most stringent criteria established by NMOCD.

## Characterization

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
51 feet-100 feet	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
>100 feet	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg

\*Or other test methods approved by the division.

\*\*Numerical limits or natural background level, whichever is greater.

\*\*\*This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]



According to the Natural Resources Conservation Service' online database, the project area soils consist of Reagan soils. These soils are associated with the Loamy ecological site (R042XC007NM) which typically supports black and blue grama and tobosa grasslands with an even distribution of yucca, mesquite, tarbush, cholla, and creosote. The current vegetative community consists of mesquite, creosote, javelina bush, and desert forbs and grasses. The survey area falls on rolling, rocky hills. The elevation ranges from 3,130 ft. – 3,150 ft. above mean sea level.

### **Work Performed**

On March 5, 2024, excavation began of the highest chloride areas from the samples collected in April 2021. (Reference original work plan submitted to NMOCD on May 6, 2024). During the process of excavation, extremely large boulders were encountered. The boulders are sedimentary rock and do not break up easily, causing great difficulties in performing additional excavation. At this time, it was requested that the excavation crew mobilize a rock hammer to be able to further excavate this area. Please see the site photos in Document 2 attached to this report.

### **Work Plan Remediation**

SESI, on behalf of Devon Energy, has attempted to excavate and fully delineate the area on the pad affected by this release, however vertical extent has not been reached at this time. On May 21, 2024 a rock hammer was attached to the trac-hoe to break up the boulders encountered during the first excavation, this allowed the boulders to be removed to attempt to reach vertical and horizontal extent of contamination. Excavation of the area continued through July 30, 2024. Current excavation depth is approximately 18 feet BGS. On July 31, 2024, a meeting was held with Jim Amos of BLM and Devon Representatives. Jim Amos with BLM recommended to have a Karst survey performed to determine if this area remains in a high karst. Further he recommended that 6-8 boreholes be drilled in the current excavations to see if vertical extent can be reached. SESI plans to have 2 boreholes drilled on the South side of the battery, 2 boreholes drilled on the Northeast section of the excavation, and 2 boreholes drilled on the West end of the excavation.

SESI requests approval to backfill the current excavations to a level that allows a drilling rig to mobilize in the excavation and drill for vertical extent. Clean backfill will be sampled to assure it meets standard requirements. Following the backfill of the current excavation, SESI will engage drilling contractor to drill 6-8 boreholes to a depth where vertical extent is found (hopefully no more than 30-40 feet BGS), samples will be taken from the boreholes, properly packaged, preserved and transported, under chain of custody, an NMOCD approved lab for analysis. All lab results and survey reports will be provided to the NMOCD upon completion.

Prior to backfilling the excavation for the borehole drilling, SESI will perform Confirmation Sampling on the excavation. The NMOCD will be notified of the date and time of any/all sampling. Samples will be properly packaged, preserved and transported, under chain of custody, an NMOCD approved lab for analysis. All lab results will be provided to the NMOCD upon completion.

SESI has engaged Southwest Geophysical Consulting, LLC, Carlsbad, New Mexico, to perform the Karst Survey of the area immediately around and including the entire location

The NMOCD will be notified of the date and time of any/all confirmation sampling of the boreholes in the excavation for the vertical extent of contamination. All samples will be properly packaged and transported, under a chain of custody to Cardinal Labs in Hobbs, NM for analysis for TPH, BTEX and Chlorides. All contaminated soil from the excavation will be transported to R 360/Halfway for disposal. The excavation will be backfilled with noncontaminated soil/caliche after confirmation sampling verification that target levels of contamination have been reached.

This workplan has been sent to Jim Amos with the Bureau of Land Management (BLM), attached to this workplan you will find his approval to move forward.

### **Supplemental Documentation**

Document 1: Map of Release with sample locations

Document 2: Photos of release and remediation



Document 3: NMOCD Oil and Gas Map

Document 4: BLM Cave Karst Map

Document 5: FEMA Floodplain Map

Document 6: BLM Correspondence

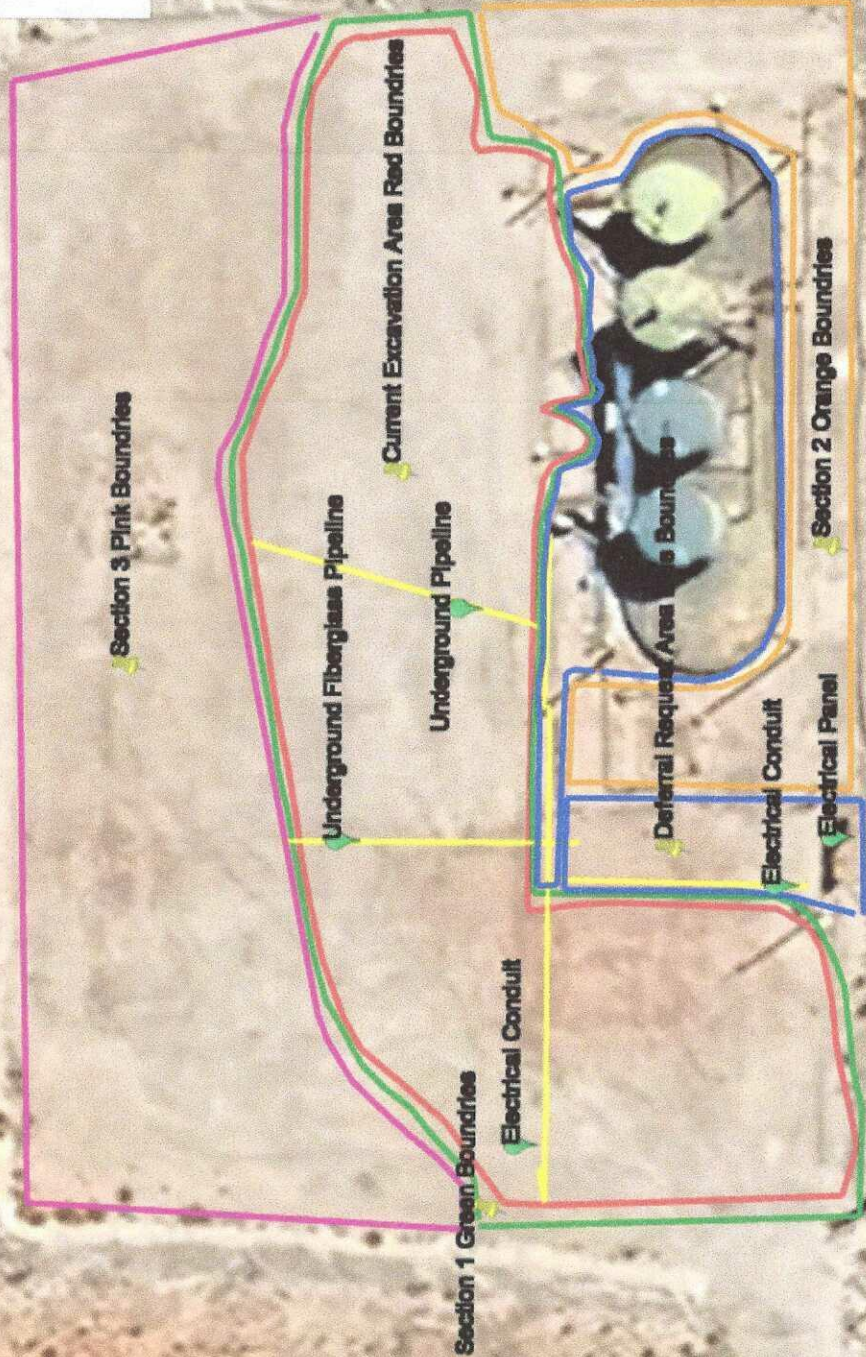


**Legend**

- Current Excavation Area
- Deferral Request Area (Infrastructure)
- Pipeline Labels
- Pipelines
- Section 1
- Section 2
- Section 3

**Devon Remuda Basin SWD1**

RM2014561795



100 ft







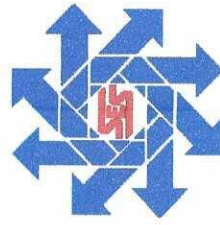
Devon  
Remuda Basin 20 Fed 1  
SWD

07/31/2024

Aerial Photo

Of

Current Excavation



Safety & Environmental Solutions, Inc.  
703 East Clinton Street  
Hobbs, NM 88240  
(575) 397-0510





# Remuda Basin SWD 1 Site Photographs



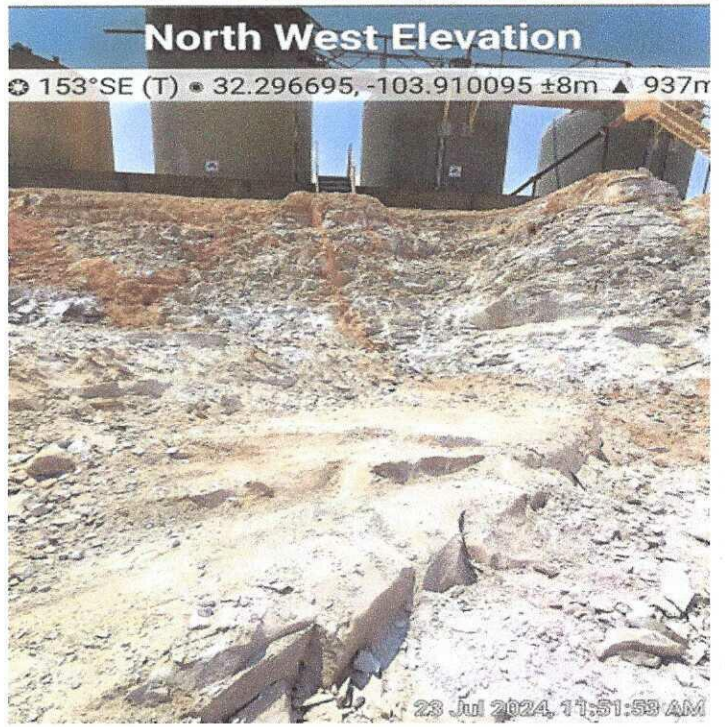
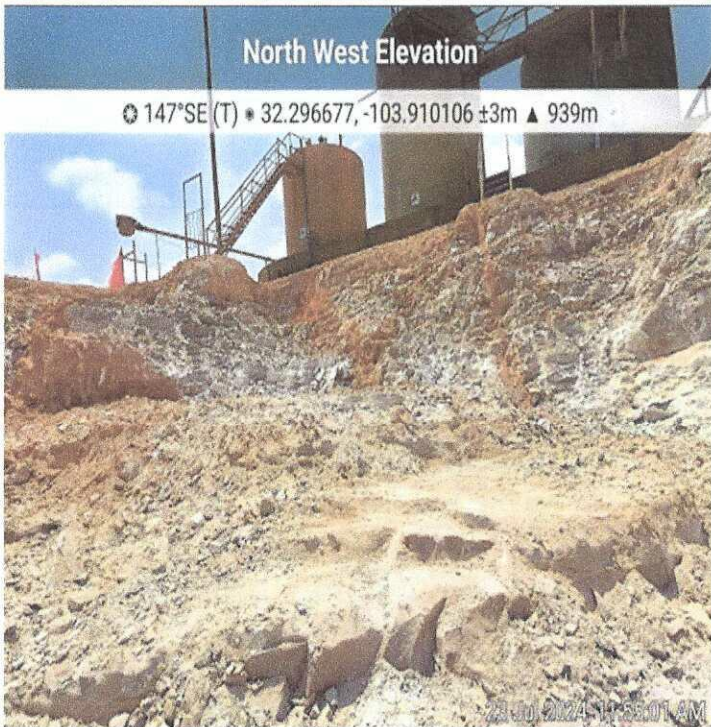
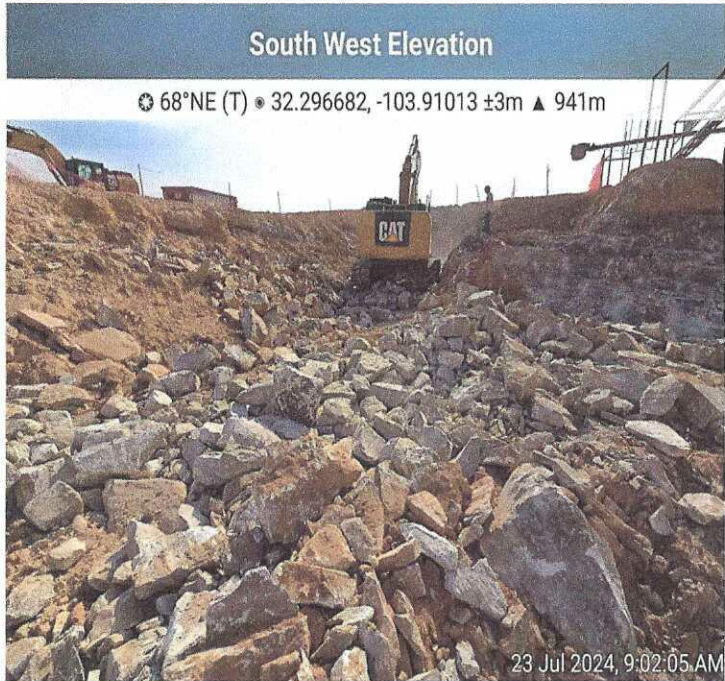


# Remuda Basin SWD 1 Site Photographs



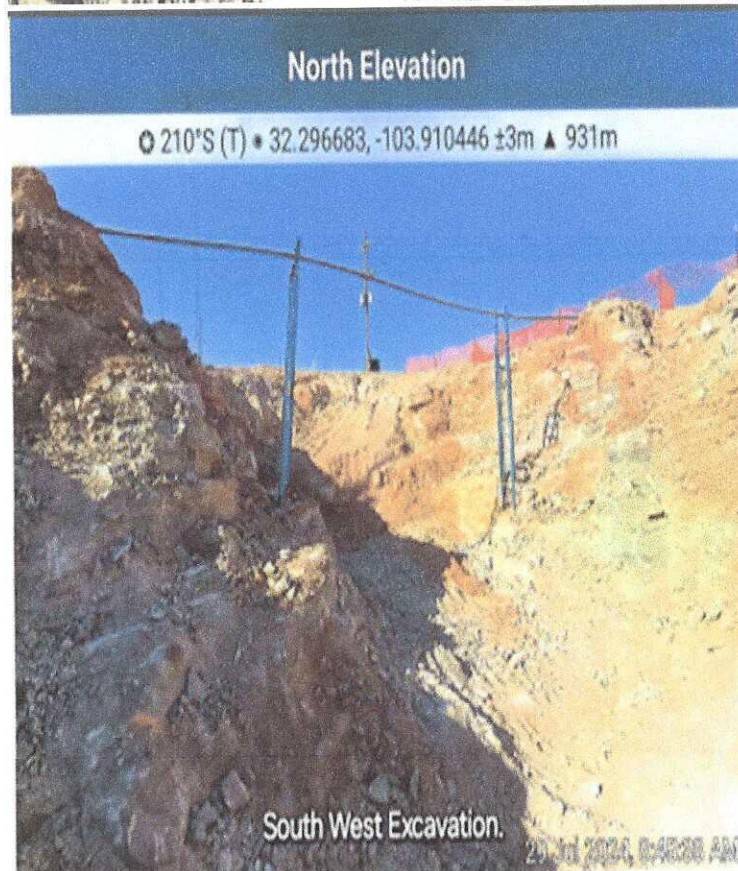
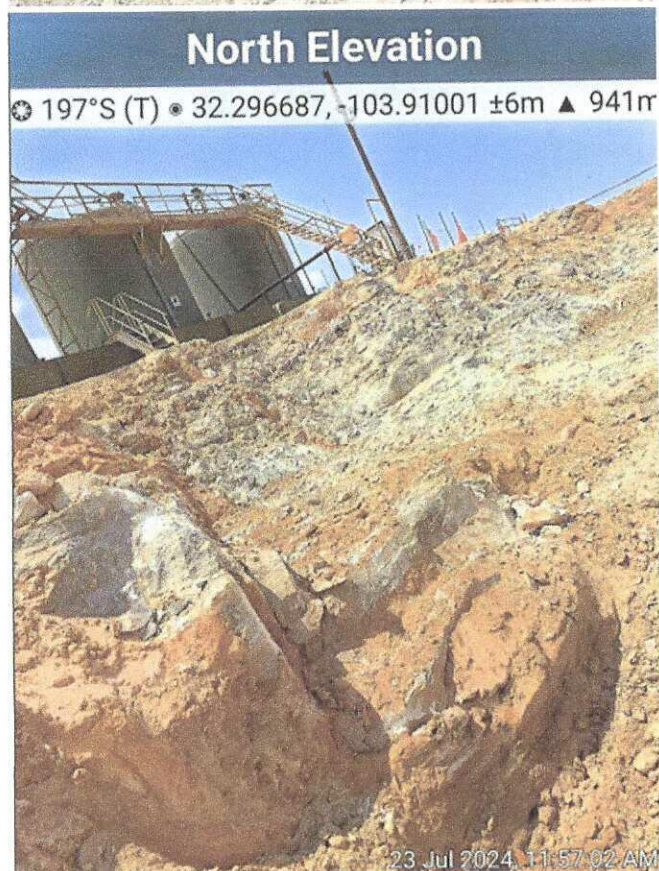
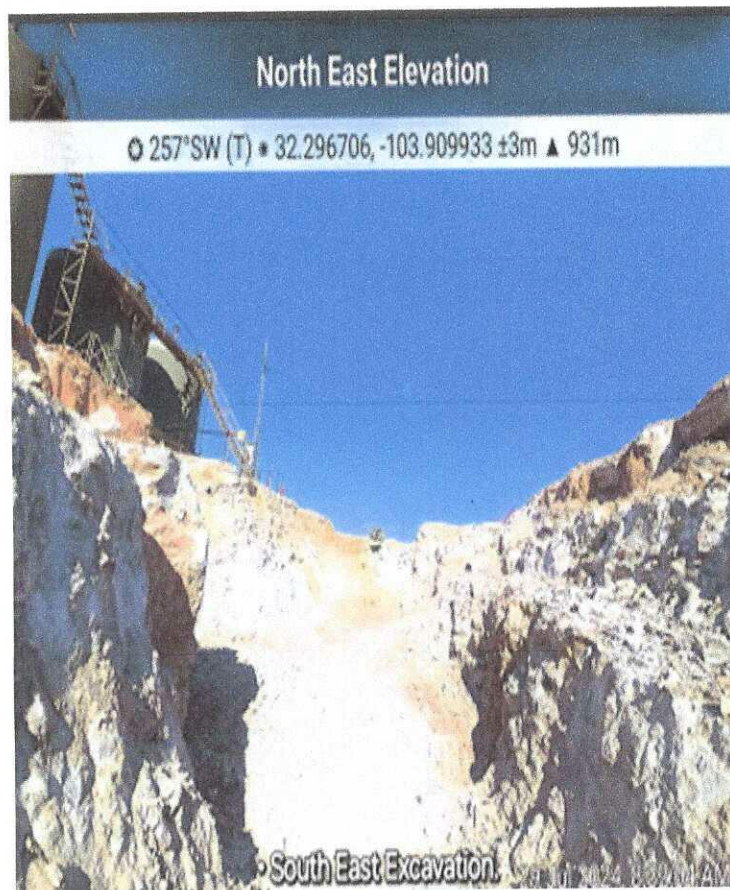
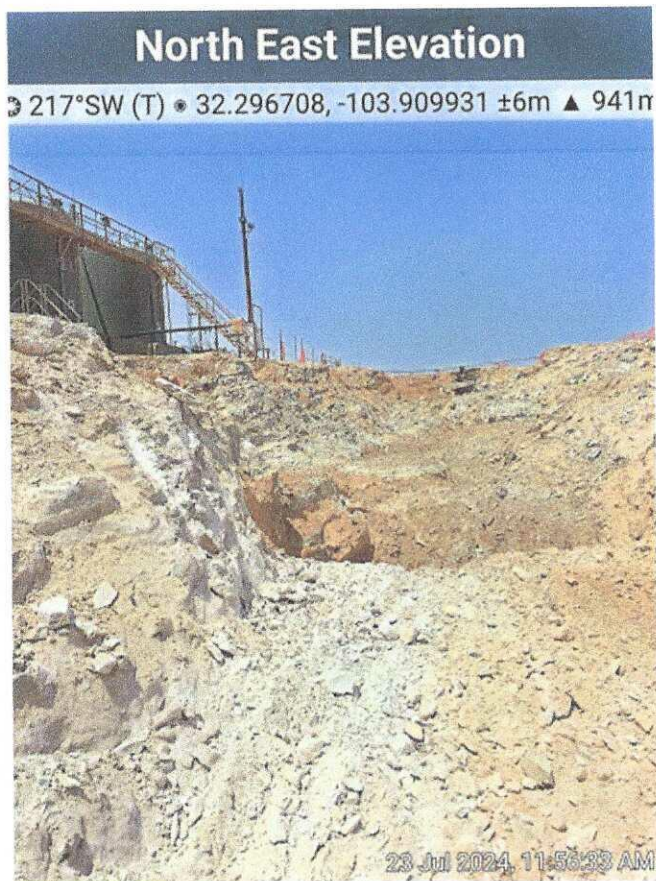


# Remuda Basin SWD 1 Site Photographs





# Remuda Basin SWD 1 Site Photographs





Remuda Basin SWD 1  
Site Photographs

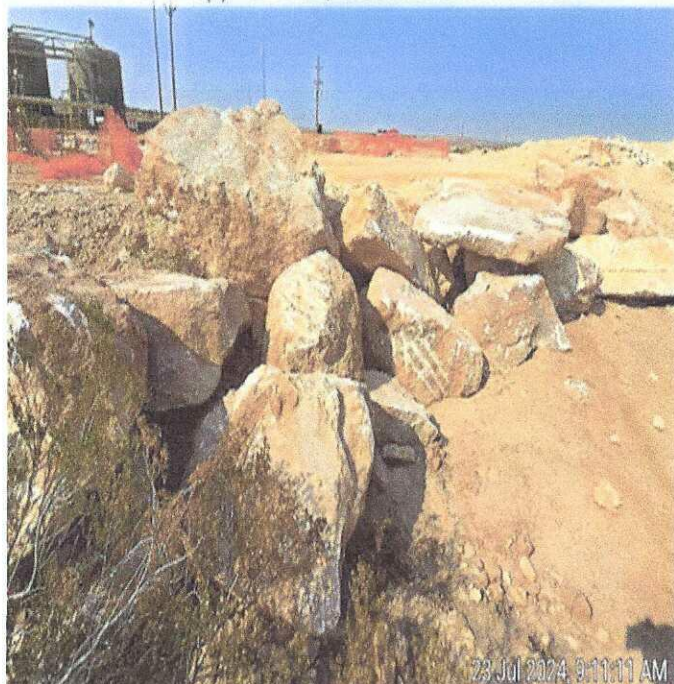
South East Elevation

☉ 307°NW (T) • 32.296723, -103.910185 ±3m ▲ 941m



North Elevation

☉ 211°S (T) • 32.29696, -103.910208 ±3m ▲ 942m

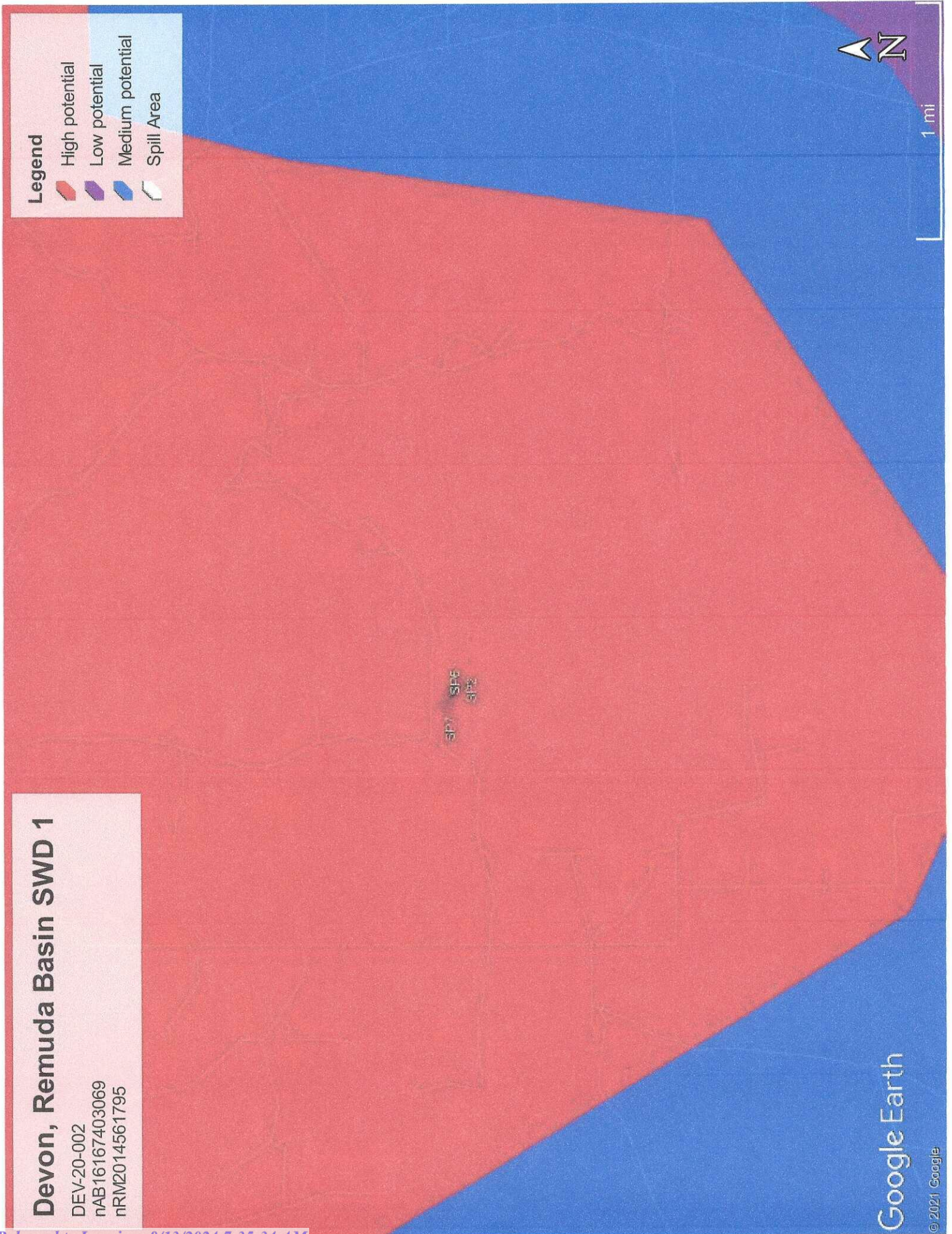




Released to Imaging: 8/13/2024 7:35:34 AM











# National Flood Hazard Layer FIRMette

13°54'56"W 32°18'3"N



## Legend

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

### SPECIAL FLOOD HAZARD AREAS



Without Base Flood Elevation (BFE)  
Zone A, V, AE, AH, VE, AR  
With BFE or Depth  
Regulatory Floodway

### OTHER AREAS OF FLOOD HAZARD



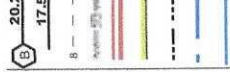
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile  
Future Conditions 1% Annual Chance Flood Hazard  
Area with Reduced Flood Risk due to Levee. See Notes.  
Area with Flood Risk due to Levee

### OTHER AREAS



NO SCREEN  
Area of Minimal Flood Hazard  
Area of Undetermined Flood Hazard  
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  
Profile Baseline  
Hydrographic Feature

### 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 6/23/2021 at 10:14 AM 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.



3/16/2020

USGS Groundwater for New Mexico: Water Levels -- 1 sites



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater ▼

Geographic Area:

New Mexico ▼

GO

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

## Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 321526103520101

Minimum number of levels = 1

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

## USGS 321526103520101 23S.30E.34.32400

Available data for this site

Groundwater: Field measurements ▼

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°15'26", Longitude 103°52'01" NAD27

Land-surface elevation 3,446 feet above NAVD88

The depth of the well is 567 feet below land surface.

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

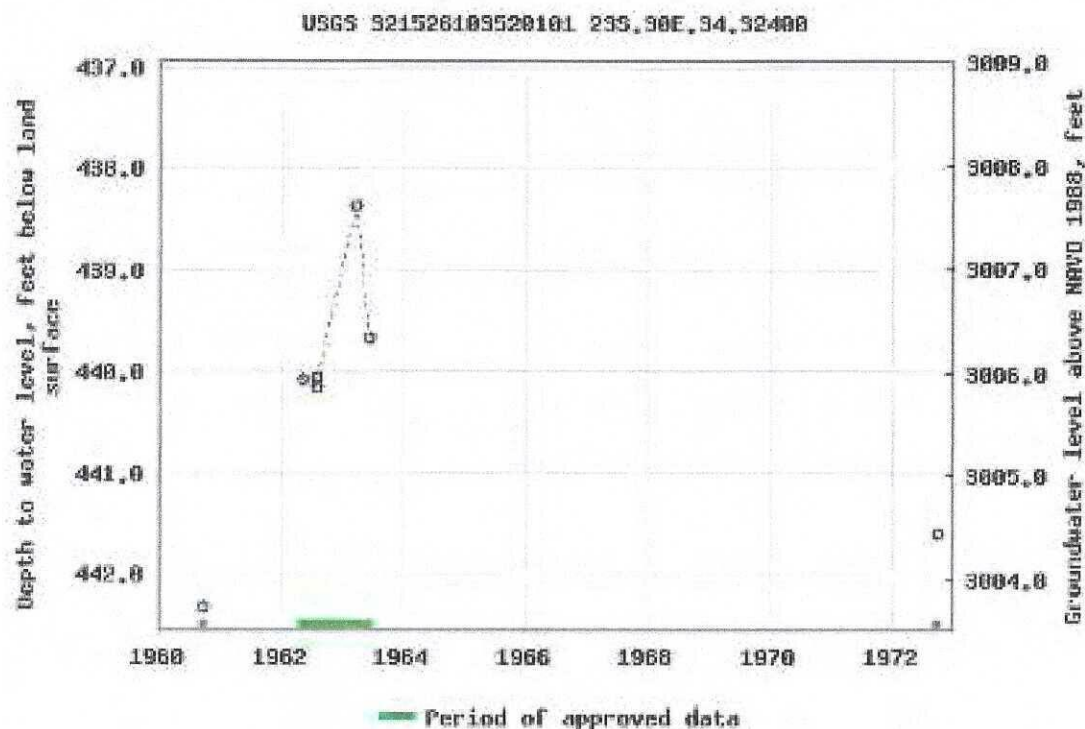
### Output formats

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)



3/16/2020

USGS Groundwater for New Mexico: Water Levels -- 1 sites



Breaks in the plot represent a gap of at least one year between field measurements.  
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**Title: Groundwater for New Mexico: Water Levels**

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

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-03-16 13:03:31 EDT

0.63 0.53 nadww01





**Leslie Mendenhall**

---

**From:** Amos, James A <jamos@blm.gov> on behalf of Amos, James A  
**Sent:** Wednesday, August 7, 2024 2:12 PM  
**To:** Bob Allen  
**Cc:** Woodall, Dale; lmendenhall@sesi-nm.com; Sheila Babb  
**Subject:** Re: [EXTERNAL] RE: Devon Energy Production company LP, Remuda Basin SWD 1 (3001529549), Event, nRM2014561795.

Bob,

The work plan should provide the needed information to be able to make a call as to where we go next. Please consider this BLM's approval to move forward with a complete delineation of the impact and the Karst survey should be enough to make a determination as to where we go from here as to what clean up standard we will work toward. If any questions, feel free to get back to me.

Thanks

---

**From:** Bob Allen <ballen@sesi-nm.com>  
**Sent:** Wednesday, August 7, 2024 11:55 AM  
**To:** Amos, James A <jamos@blm.gov>  
**Cc:** Woodall, Dale <Dale.Woodall@dmv.com>; lmendenhall@sesi-nm.com <lmendenhall@sesi-nm.com>; Sheila Babb <sbabb@sesi-nm.com>  
**Subject:** [EXTERNAL] RE: Devon Energy Production company LP, Remuda Basin SWD 1 (3001529549), Event, nRM2014561795.

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Hi Jim, thank you for your prompt response to this issue. I have attached a Revised Work Plan detailing the work we propose to complete in order to acquire appropriate data to allow a decision on the final status of the site. Please review the work plan and approve if you agree this is the path forward we discussed on site.

Thank again,

Bob Allen CSP, CHMM  
Office: (575) 397-0510  
Cell (575) 390-7063





**From:** Amos, James A <[jamos@blm.gov](mailto:jamos@blm.gov)>

**Sent:** Wednesday, July 31, 2024 2:37 PM

**To:** [ballen@sesi-nm.com](mailto:ballen@sesi-nm.com)

**Subject:** Fw: Devon Energy Production company LP, Remuda Basin SWD 1 (3001529549), Event, nRM2014561795.

Bob, this is what I sent Mike. Thanks

---

**From:** Amos, James A

**Sent:** Wednesday, July 31, 2024 2:34 PM

**To:** 'Bratcher, Michael, EMNRD' <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>

**Subject:** Devon Energy Production company LP, Remuda Basin SWD 1 (3001529549), Event, nRM2014561795.

Mike,

Following up on our conversation this morning involving the above referenced well and event. This morning I met on location with Devon and there contractor representative Bob Allen. Bob had called Crisha yesterday asking for someone to meet him and his team on location, issues of a lot of rock and an 18' excavation in High Cave/Karst. I had worked on a release back in 2016 and 2021, so I got the short straw. I woke up at 4 am this morning and got to thinking about it. I suggested bringing a rig in and do a complete delineation to find out what we're dealing with instead of digging a little and sample, dig and sample. Once we have that, I'd like to see them perform a Cave/Karst survey of the area to determine if we actually have a concern (voids, etc.). If we don't and groundwater (105') +/- I would suggest a less stringent cleanup standard. There is also the possibility of drilling an observation well and sampling. If the local groundwater is high in TDS, would be another justification for a less stringent standard. Let's see what the delineation and survey tell us prior to continuing as we are. Let me Know. Good talking to you.

Thanks

James A. Amos

Bureau of Land Management

Carlsbad Field Office

Supervisory Petroleum Engineering Tech

620 East Greene Street

Carlsbad, NM. 88220

Office: (575) 234-5909

Fax: (575) 234-5927

Cell: (575) 361-2648

E-mail: [jamos@blm.gov](mailto:jamos@blm.gov)



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**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 371601

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	371601
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2014561795
Incident Name	NRM2014561795 REMUDA BASIN 20 FED 1 SWD @ 30-015-29549
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-29549] REMUDA BASIN SWD #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	REMUDA BASIN 20 FED 1 SWD
Date Release Discovered	12/03/2019
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: Equipment Failure   Pump   Produced Water   Released: 13 BBL   Recovered: 0 BBL   Lost: 13 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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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 371601

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	371601
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	True
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	Not answered.

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: 08/07/2024
--	--



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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 371601

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 371601
	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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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 ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
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)	600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	100
GRO+DRO	(EPA SW-846 Method 8015M)	100
BTEX	(EPA SW-846 Method 8021B or 8260B)	50
Benzene	(EPA SW-846 Method 8021B or 8260B)	10

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	05/15/2024
On what date will (or did) the final sampling or liner inspection occur	07/08/2024
On what date will (or was) the remediation complete(d)	07/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	9800
What is the estimated volume (in cubic yards) that will be reclaimed	750
What is the estimated surface area (in square feet) that will be remediated	9800
What is the estimated volume (in cubic yards) that will be remediated	750

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.



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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 371601

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 371601
	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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

*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: 08/07/2024
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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 371601

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 371601
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No



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QUESTIONS, Page 6

Action 371601

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 371601
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	360356
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/08/2024
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	9400

**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 371601

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 371601
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation work plan approved.	8/13/2024
amaxwell	Include all BLM correspondence and BLM approvals in subsequent reports.	8/13/2024
amaxwell	Submit a report via the OCD permitting portal by December 17, 2024.	8/13/2024