BD P-4 EOL Remediation Summary & Closure Report

NMOCD Incident No. nAPP2110241347 UL "P", Sec. 4, T22S, R37E 32.416894°, -103.161316° Lea County, New Mexico

June 25, 2024



PREPARED ON BEHALF OF

Rice Operating Company 122 West Taylor Hobbs, NM 88240

PREPARED BY

Tasman, Inc. 2620 W. Marland Blvd. Hobbs, NM 88240



June 25, 2024



Rice Operating Company (ROC) 122 West Taylor, Hobbs, NM 88240

Attn: Ms. Katie Jones Davis Email: <u>kjones@riceswd.com</u>

Re: Remediation Summary and Closure Report
 BD P-4 EOL – BD SWD System
 UL "P", Section 4, Township 22 South, Range 37 East | Lea County, New Mexico
 Rice Operating Company Project No. 1R426-06 |Tasman Project No. 2251

Dear Ms. Davis,

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Request for the above referenced site. Site assessment and remediation activities were executed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning the remediation of the former P-4 EOL junction box.

Tasman conducted additional assessment and remediation activities, identifying an approximately 15,162-square foot area impacted by the former junction box. Heavy equipment was used to remove approximately 1,008 cubic yards of impacted material from the area. Based on laboratory analytical results from soil samples collected during confirmation sampling activities, impacted soil has been remediated below the applicable NMOCD Action Levels and in accordance with NMOCD standards. Additional project details are provided in the attached summary report.

Tasman appreciates the opportunity to provide environmental services to Rice Operating Company. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely, Tasman, Inc.

Brett Dennis Project Manager bdennis@tasman-geo.com Kyle Norman SW Regional Manager <u>knorman@tasman-geo.com</u>

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1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Report for the BD P-4 EOL (site) on behalf of Rice Operating Company (ROC), documenting the results of field activities conducted according to the Junction Box Work Plan and the NMOCD approved CAP and Variance Request.

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of the pipeline, well, or facility. The system is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

1.1 Site Description

The site is located in Unit Letter "P" of Section 4, Township 22 South, Range 37 East in Lea County, New Mexico on private property. The site location is illustrated on Figure 1.

1.2 Background and Previous Work

In 2003, ROC initiated work on the former P-4 EOL junction box. The site was delineated using a backhoe to form a 30x30x12-ft deep excavation. Collected soil samples were screened at regular intervals for hydrocarbon and chloride. A four-wall composite soil sample, a bottom composite soil sample, and remediated soils sample were sent to a commercial laboratory for analysis for analysis. Laboratory analysis of the four-wall composite indicated a chloride concentration of 1,950 milligrams per kilogram (mg/kg) and a Gasoline Range Organics (GRO), Diesel Range Organics (DRO), and BTEX concentrations below the laboratory reported detection limits (RDLs). The bottom composite soil sample indicated a chloride concentration of 3,650 mg/kg, a GRO concentration below the laboratory RDL, a DRO concentration of 102 mg/kg, and BTEX concentration below the laboratory RDL. The remediated soils sample indicated a chloride concentration of 1,100 mg/kg, a GRO concentration below the laboratory RDL, a DRO concentration of 131 mg/kg, and BTEX concentration below the laboratory RDL. A 20-mil reinforced liner was installed at the bottom of the excavation to prevent vertical migration of any constituents of concern to groundwater. The excavation was then backfilled with the excavated soils, contoured to the surrounding area and the disturbed area was seeded with native vegetation. A new water-tight junction box was installed 40 feet west of the site.

On September 29, 2023, ROC submitted a Corrective Action Plan (CAP) to the NMOCD. NMOCD responded, indicating ROC must treat the site with the NMOCD Action Levels of groundwater occurring within 1,000 feet of any freshwater well or spring.



An updated CAP and Variance Request was submitted to NMOCD on December 20, 2023. This Variance Request Addendum formally requested use of constituent values from Table I of NMAC part 19.15.29.12 for sites where groundwater is between 51 and 100 feet below the horizontal boundary of the release. Field personnel investigated the wells within the 1,000 feet radius of the site and determined NMOSE POD CP 00422, located approximately 900 ft southwest of the former junction box, is still in use by the landowner. This well is the closest water well to the site, as referenced in Section 2.1, and is surrounded by non-ROC oilfield activity. At least two non-ROC facilities are located between the former junction box and the water well. The former junction box has not impacted the water well and poses little threat of impact due to the distance and location of the southeast, and the well is not located down-gradient of the former junction box. As such, NMOCD granted approval for the water well (NMOSE POD CP 00422) to be excluded from consideration. On January 2, 2024, NMOCD approved the Variance Request with the stipulation that no liner would need to be installed at the base of the excavation.

2.0 SITE CHARACTERISTICS

2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico Office of the State Engineer (NMOSE) and United States Geologic Survey (USGS) for registered water wells near the site. Tasman identified the nearest registered water well as NMOSE POD CP 00422, located 0.17 miles (approximately 900 ft) southwest of the site. The depth to groundwater was measured at 92 feet below ground surface (bgs) in March 1967. POD CP 00255 was identified 0.29 miles from the site. Depth to groundwater was measured at 120 feet bgs in 1975. Figure 1 illustrates the location of the registered water wells within the vicinity of the site, and a summary of depth to groundwater information is provided as Appendix A.

2.2 Karst Potential & Subsurface Mines

Tasman utilized the publicly available karst potential map published by the Bureau of Land Management (BLM) Carlsbad Field Office (CFO) to determine the potential for encountering karst formations beneath the site. Review of the BLM CFO karst potential map indicates that the site is not located in an area of high potential to encounter karstic features.

Tasman utilized the USGS Mineral Resources database to determine that there are no subsurface mines beneath or in the vicinity of the site.



Areas of high/critical karst and subsurface mine locations are illustrated on Figure 2.

2.3 Distance to Nearest Potable Water Well

The nearest potable water well was identified as POD CP 00422, which is approximately 900 ft southwest of the former junction box. The next nearest well is identified as POD CP 00255, which is located 0.29 miles from the site. The location of these wells is shown on the attached Figure 1.

2.4 Distance to Nearest Surface Water

Tasman reviewed aerial imagery and the National Wetland Inventory Map, published by the U.S. Fish and Wildlife Service, for wetlands and surface water in the vicinity of the site. The nearest significant surface water was identified as Whalen Lake, located 20.5 miles from the site. One freshwater pond was identified 0.86 miles from the site. The location of the freshwater pond is illustrated on Figure 1 and Whalen Lake is illustrated on Figure 3.

2.5 100-year Floodplain

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA FIRMette Map can be found attached as Figure 4.

2.6 Residence, School, Hospital, or Institution

Review of aerial imagery did not show that the site is within 300 feet of an occupied permanent residence, school, hospital, or institution.

2.7 **Proximity to Sensitive Receptors and Site Characteristics Summary**

The table below denotes if the site is located within the minimum allowable distance from a sensitive receptor, as defined in New Mexico Administrative Code (NMAC) 19.15.29.



Site Characteristics Summary		
Approximate depth to groundwater:	~ 93 ·	ft bgs
Within an area of high karst potential?	🗆 Yes	⊠ No
Within 300 ft. of any continuously flowing of significant watercourse?	🗆 Yes	⊠ No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	🗆 Yes	⊠ No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	🗆 Yes	⊠ No
Within 500 ft. of a spring or private, domestic fresh water well?	🗆 Yes	⊠ No
Within 1,000 ft. of any fresh water well?	🗆 Yes	⊠ No
Within the incorporated municipal boundaries or within a municipal well field?	🗆 Yes	⊠ No
Within 300 ft. of a wetland?	🗆 Yes	⊠ No
Within the area overlying a subsurface mine?	🗆 Yes	⊠ No
Within an unstable area?	🗆 Yes	⊠ No
Within a 100-year floodplain?	🗆 Yes	⊠ No

3.0 REMEDIATION ACTION LEVELS

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and proximity to sensitive receptors as established in NMAC 19.15.29. Based on site characteristics described in Section 2.0 and NMOCD approval of the CAP and Variance Request received on January 2, 2024, the NMOCD Action Levels for a site with a depth to groundwater of greater than 50 feet but less than 100 feet bgs were utilized; these Action Levels are as follows:

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TPH – total petroleum hydrocarbons

DRO – diesel range organics

BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics MRO – motor/lube oil range organics mg/kg – milligrams per kilogram

3.1 Reclamation Levels

NMAC 19.15.29.13(D) codifies, and the *Procedures for Implementation of the Spill Rule,* dated September 6, 2019, clarifies that the top four feet of the remediated area should be non-waste containing. Therefore, the NMOCD Reclamation Standards are applied to the top four feet of any area impacted by a release that is not located within an active production facility. NMOCD Reclamation Standards are as follows:



Constituent	Reclamation Standard
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

4.0 RELEASE ASSESSMENT

According to the Investigation and Characterization Plan (ICP), fourteen soil bores were drilled on August 27-28, 2018, June 28, 2019, November 14-15, 2019, and February 21, 2021. Soil samples were collected at regular intervals and field screened for chloride and hydrocarbon using a photoionization detector (PID). Representative samples from each soil bore were sent to a commercial laboratory for analysis.

4.1 Release Assessment Data Evaluation

Laboratory results of the interior soil bores resulted in elevated concentrations of chloride, but concentrations decreased laterally as additional bores were drilled. Laboratory analysis of the 15 ft and 30 ft samples collected from soil bore SB-14 indicated a chloride concentration of 1,230 mg/kg and 176 mg/kg, respectively. Laboratory analysis of the 10 ft and 25 ft samples collected from soil bore SB-11 indicated a chloride concentration of 752 mg/kg and 240 mg/kg, respectively. Laboratory analysis of the 15 ft and 30 ft samples collected from soil bore SB-10 indicated a chloride concentration of 1,260 mg/kg and 240 mg/kg. Field screening results indicated that the chloride concentrations in soil bore SB-8 were low throughout. Therefore, the 10 ft and 15 ft samples were selected for laboratory analysis to confirm field results. The 10 ft sample indicated a chloride concentration of 288 mg/kg and the 15 ft sample indicated a concentration of 128 mg/kg. Hydrocarbons (GRO/DRO/EXT DRO and BTEX) were below detectable limit throughout the site. At the completion of sampling activities, each soil bore was plugged with bentonite to ground surface.

5.0 SOIL SAMPLING PROCEDURES

5.1 Soil Sampling Procedures for Laboratory Analysis

The collection of soil samples for laboratory analysis was conducted in accordance with NMOCD criteria and generally approved industry standards. Collected soil samples were placed in laboratory provided containers, properly labeled, and preserved on ice pending delivery under a



chain of custody form to Cardinal Laboratory in Hobbs, New Mexico.

5.2 Soil Analytical Methods

Each soil sample was analyzed using Environmental Protection Agency (EPA) methods or other NMOCD-approved methods. Laboratory analytical methods are as follows:

- Chloride EPA Method SM4500.
- Total Petroleum Hydrocarbons (TPH) gasoline, diesel, and motor/lube oil range organics (GRO+DRO+MRO) EPA Method 8015M Extended.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) EPA Method 8021B.

6.0 SUMMARY OF REMEDIAL ACTIONS

6.1 Remedial Activities

From January 2 to January 18, 2024, Tasman utilized mechanical equipment to excavate impacted soil from within the delineated release margins. Excavated material was stockpiled on-site in 50 cubic yard piles. Per the CAP and Variance Request approved by NMOCD on January 2, 2024, one five-point composite sample was collected from each 50 cubic yard spoil pile. The collected excavated soil samples are identified as ES-1 through ES-26. Excavated soil samples ES-9 through ES-15, ES-17 through ES-19, ES-21, ES-22, ES-25, and ES-26 were below reclamation levels, and their corresponding spoil piles were used as backfill material. The remaining samples exceeded reclamation levels and their corresponding spoil piles were transported to an NMOCD approved disposal facility. Copies of laboratory analysis are provided in Appendix B. Excavated soil sample analytical results are summarized in the attached Table 1.

Due to the results of field testing and confirmation samples, the remedial final excavations measured approximately 93 ft long by 80 ft wide, at an approximate depth of 4 feet bgs. A total of 1,152 cubic yards of excavated material were exported to Sundance Services, Inc. landfill.

Copies of solid manifests are available upon request and a photographic log is provided as Appendix C.

6.2 Confirmation Data Evaluation

On January 12, 2024, Tasman provided a 48-hour mobilization notice to the NMOCD via email (Appendix D). On January 17, 2024, Tasman mobilized to the site to collect confirmation soil



samples from the sidewalls of the remedial excavation. Four composite confirmation soil samples were collected from the sidewalls of the excavation. Each confirmation soil sample was collected as a five-point composite representing approximately 200 ft² or less. Confirmation soil sample analytical results are summarized in the attached Table 2.

Benzene, total BTEX and total TPH were below laboratory reported detection limits (RDLs) throughout. Chloride concentrations were detected above laboratory RDLs; however, all detected chloride concentrations were below NMOCD Action Levels.

7.0 RESTORATION AND RECLAMATION

From January 23 to 25, 2024, Tasman personnel were on site to restore the area affected by the former junction box and associated remediation activities were restored to the condition which existed prior to the release to the maximum extent possible. Excavated areas were backfilled with a total of 1,800 cubic yards of non-impacted "like" material and contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. A sample of the imported soil was submitted for laboratory analysis and provided in Table 2 and Appendix B.

On January 30, 2024, the site was seeded with a blend of native vegetation. The blend consisted of: 20 pounds (lbs) of Triticale, 20 lbs Elbon Rye, and 25 lbs of Lea County seed mix. Vegetation will also provide a natural infiltration barrier for the site since plants capture water through their roots, thereby reducing the volume of water moving through the vadose zone.

8.0 SITE CLOSURE REQUEST

Based on laboratory analytical results from soil samples collected during the confirmation sampling events, impacted soil surrounding the former junction box has been remediated below the applicable NMOCD Action Levels in accordance with NMAC 19.15.29. As such, Tasman, on behalf of ROC, respectfully requests that the site be granted closure.

Figures

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Received by OCD: 6/25/2024 2:03:07,PM National Flood Hazard Layer FIRMette



Legend

Page 15 of 63 Figure 4



Basemap Imagery Source: USGS National Map 2023



DRAWN BY:



UL "P", Sec. 4, T22S, R37E Lea County, New Mexico

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C. Flores

Tables

TABLE 1 SOIL ANALYTICAL SUMMARY Rice Operating Company BD P-4 EOL - nAPP2110241347

Sample ID	Sample	Sample Date	Soil	PID	Field Chloride	Benzene	Total BTEX ¹		TPH ² (mg/kg)		Chloride ³
Sample ID	Depth (bgs)	Sample Date	Status	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO	MRO	TOTAL	(mg/kg)
						Excavated Soil	Samples	•				
ES-1	N/A	1/5/2024	Excavated	0.7	669	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	656
ES-2	N/A			0.7	851							
ES-3	N/A			0.3	783							
ES-4	N/A			0.7	1,007							
ES-5	N/A			2.1	636	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	736
ES-6	N/A			2.1	779							
ES-7	N/A			1.7	737							
ES-8	N/A	1/8/2024	Excavated	1.3	494	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	736
ES-9	N/A	I		0.7	602	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	576
ES-10	N/A			1.5	382	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	336
ES-11	N/A			1.7	570	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	544
ES-12	N/A			2.1	178	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	144
ES-13	N/A			1.8	447	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	336
ES-14	N/A			2	170	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	112
ES-15	N/A	1/9/2024	Excavated	1.5	422	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	400
ES-16	N/A	1/9/2024	LACavaleu	1.3	651	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	656
ES-17	N/A			1.5	635	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	480
ES-18	N/A			0.9	510	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	480
ES-19	N/A	1/10/2024	Excavated	1.2	596	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	528
ES-20	N/A			1.6	625	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	640
ES-21	N/A			1.1	425	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	400
ES-22	N/A			1.5	389	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	400
ES-23	N/A			1.4	510	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	656
ES-24	N/A	1/11/2024	Excavated	1.7	570	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	608
ES-25	N/A			1.1	480	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	512
ES-26	N/A			1	450	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	432
	NMOCD Action Levels ⁴				N/A	10	50		N/A		100	600

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B

2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)

3. Chloride - Analyzed by EPA method SM4500

4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample. All other samples are five-point composites

N/A = Not applicable

Bold values denote concentrations above laboratory SDL

Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface

GRO = Gasoline range organics

DRO = Diesel range organics

MRO = Motor/lube oil range organics

PID = Photoionization detector

--- = Sample was not analyzed for this analyte

<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

TABLE 2 SOIL ANALYTICAL SUMMARY Rice Operating Company BD P-4 EOL - nAPP2110241347

Sample ID	Sample	Sample Date	Soil	PID	Field Chloride	Benzene	Total BTEX ¹		TPH ² (r	ng/kg)		Chloride ³	
Sample ID	Depth (bgs)	Sample Date	Status	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	GRO	DRO	MRO	TOTAL	(mg/kg)	
	Confirmation Soil Samples												
W-1	4'	1/17/2024	In-Situ	0.8	395	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	352	
W-2	4'	1/17/2024	In-Situ	0.5	118	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0	
W-3	4'	1/17/2024	In-Situ	0.7	141	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	80.0	
W-4	4'	1/17/2024	In-Situ	0.5	476	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	112	
Imported Soil		1/30/2024	Imported			<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16.0	
	NMOCD Ac	tion Levels ⁴		N/A	N/A	10	50		N/A		100	600	

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B

2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)

3. Chloride - Analyzed by EPA method SM4500

4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

* = Denotes discrete/grab sample. All other samples are five-point composites

N/A = Not applicable

Bold values denote concentrations above laboratory RDL

Red values denote concentrations above NMOCD Action Levels

BGS = Below ground surface

GRO = Gasoline range organics

DRO = Diesel range organics

MRO = Motor/lube oil range organics

PID = Photoionization detector

--- = Sample was not analyzed for this analyte

<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

Appendix A – Depth to Groundwater Information

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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area: Groundwater United States

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Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 322451103094201

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 322451103094201 22S.37E.04.443114

Lea County, New Mexico Latitude 32°24'51", Longitude 103°09'42" NAD27 Land-surface elevation 3,425 feet above NAVD88 The depth of the well is 125 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

USGS Groundwater for USA: Water Levels -- 1 sites

Date	Time	? Water- level date- time accuracy	? Paramete code	r	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1965-11-16		D	6	2610		3344.08	NGVD29	1		Z		
1965-11-16		C	6	2611		3345.40	NAVD88	1		Z		
1965-11-16		C) 7	2019	79.60			1		Z		
1986-02-27		C	6	2610		3345.88	NGVD29	1		Z		
1986-02-27		C	6	2611		3347.20	NAVD88	1		Z		
1986-02-27		C) 7	2019	77.80			1		Z		

Explanation							
Section	Code	Description					
Water-level date-time accuracy	D	Date is accurate to the Day					
Parameter code	62610	Groundwater level above NGVD 1929, feet					
Parameter code	62611	Groundwater level above NAVD 1988, feet					
Parameter code	72019	Depth to water level, feet below land surface					
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988					
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929					
Status	1	Static					
Method of measurement	Z	Other.					
Measuring agency		Not determined					
Source of measurement		Not determined					
Water-level approval status	А	Approved for publication Processing and review completed.					

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• 322511103095301

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 322511103095301 22S.37E.04.232140

Lea County, New Mexico Latitude 32°25'11", Longitude 103°09'53" NAD27 Land-surface elevation 3,444 feet above NAVD88 The depth of the well is 114 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

?

Time

Water-

accuracy

level

date-

time

?

D

D

D

code

Parameter

62610

62611

72019

US

Water

level,

above

specific

vertical

datum

feet

Water

level,

below

surface

90.12

feet

land

ve cific um	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
3352.58	NGVD29	1	-	Z		А
3353.88	NAVD88	1		Z		А
		1	L	Z		А

Explanation								
Section	Code	Description						
Water-level date-time accuracy	D	Date is accurate to the Day						
Parameter code	62610	Groundwater level above NGVD 1929, feet						
Parameter code	62611	Groundwater level above NAVD 1988, feet						
Parameter code	72019	Depth to water level, feet below land surface						
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988						
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929						
Status	1	Static						
Method of measurement	Z	Other.						
Measuring agency		Not determined						
Source of measurement		Not determined						
Water-level approval status	А	Approved for publication Processing and review completed.						

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes <u>News</u>

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team

USA.gov

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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area: Groundwater United States

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- Full News

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Search Results -- 1 sites found

Agency code = usgs

site_no list = • 322514103094401

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 322514103094401 22S.37E.04.223431

Lea County, New Mexico Latitude 32°25'14", Longitude 103°09'44" NAD27 Land-surface elevation 3,436 feet above NAVD88 The depth of the well is 115 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Time

LISCS Croundwater for LISA: Water Lovala 1 sites

/ater- evel ate- me ccuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
D	62610		3326.55	NGVD29	1	Z	2		
D	62611		3327.84	NAVD88	1	. Z	2		/
D	72019	108.16			1		2		/

		Explanation
Code Do		Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

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https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=322514103094401&agency_cd=USGS&format=html

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National Water Information System: Web Interface

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Data Category: Geographic Area: Groundwater United States

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 322509103095301

Minimum number of levels = 1Save file of selected sites to local disk for future upload

USGS 322509103095301 22S.37E.04.23232

Lea County, New Mexico Latitude 32°25'09", Longitude 103°09'53" NAD27 Land-surface elevation 3,441 feet above NAVD88 The depth of the well is 155 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

?

Time

Water-

level

date-

time

accuracy

?

D

D

D

code

Parameter

62610

62611

72019

Water level, feet below land surface	Water level, feet above specific vertical datum	SS Groundwater for Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
	3324.89	NGVD29	1		Z		
	3326.19	NAVD88	1		Z		
114.81			1		Z		

		Explanation
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

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Data Category:		Geographic Area:	
Groundwater	~	United States	~

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Search Results -- 1 sites found

Agency code = usgs site_no list =

• 322451103094201

Minimum number of levels = 1 <u>Save file of selected sites</u> to local disk for future upload

USGS 322451103094201 22S.37E.04.443114

Lea County, New Mexico Latitude 32°24'51", Longitude 103°09'42" NAD27 Land-surface elevation 3,425 feet above NAVD88 The depth of the well is 125 feet below land surface. This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

output formats	_
Table of data	
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Graph of data	
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Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measur(
1965-11-16		D	62610		3344.08	NGVD29	1	Z		
1965-11-16		D	62611		3345.40	NAVD88	1	Z		
1965-11-16		D	72019	79.60			1	Z		
1986-02-27		D	62610		3345.88	NGVD29	1	Z		
1986-02-27		D	62611		3347.20	NAVD88	1	Z		
1986-02-27		D	72019	77.80			1	Z		

Explanation

Section		Description				
Water-level date-time accuracy	D	Date is accurate to the Day				
Parameter code	62610	Groundwater level above NGVD 1929, feet				
Parameter code	62611	Groundwater level above NAVD 1988, feet				
Parameter code	72019	Depth to water level, feet below land surface				
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988				
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929				

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Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

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USA.gov

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2024-02-12 16:00:13 EST 0.3 0.26 nadww01 USGS Groundwater for USA: Water Levels -- 1 sites

Date	Time	? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Mea age
						Groundwater	 United Sta 	tes 🗸 🗸	GO

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Search Results -- 1 sites found

Agency code = usgs site_no list =

• 322438103094301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 322438103094301 22S.37E.04.443234

Lea County, New Mexico Latitude 32°24'38", Longitude 103°09'43" NAD27 Land-surface elevation 3,417 feet above NAVD88 This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer. **Output formats**

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measure
1965-11-16		D	62610		3332.04	NGVD29	1	Z		
1965-11-16		D	62611		3333.38	NAVD88	1	Z		
1965-11-16		D	72019	83.62			1	Z		
1970-12-08		D	62610		3331.07	NGVD29	1	Z		
1970-12-08		D	62611		3332.41	NAVD88	1	Z		
1970-12-08		D	72019	84.59			1	Z		
1976-01-22		D	62610		3332.91	NGVD29	1	Z		
1976-01-22		D	62611		3334.25	NAVD88	1	Z		
1976-01-22		D	72019	82.75			1	Z		
1986-02-27		D	62610		3331.27	NGVD29	1	Z		
1986-02-27		D	62611		3332.61	NAVD88	1	Z		
1986-02-27		D	72019	84.39			1	Z		
1991-05-02		D	62610		3335.12	NGVD29	1	Z		
1991-05-02		D	62611		3336.46	NAVD88	1	Z		
1991-05-02		D	72019	80.54			1	Z		

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USGS Groundwater for USA: Water Levels -- 1 sites

Date	Time	? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Mea age		
Parameter co	de		72019	Depth to wate	r level, feet below	v land surface					
Referenced v	ertical datum		NAVD88	North America	an Vertical Datum	of 1988					
Referenced v	ertical datum		NGVD29	National Geod	etic Vertical Datu	m of 1929					
Status 1			Static								
Method of me	easurement		Z	Other.							
Measuring ag	jency			Not determine	ed						
Source of me	asurement			Not determine	ed						
Water-level approval status A			Approved for publication Processing and review completed.								

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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 U.S. Geological Survey

 Title:
 Groundwater for USA:
 Water Levels

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

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(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD replaced, O=orpha C=the fil closed)	ned, e is	1					V 2=NE est to la	3=SW 4=S rgest) (N	E) JAD83 UTM in n	neters)	(In f	èet)	
		POD Sub-		0	o c	•							u	ater
POD Number	Code		County	-		-	Tws	Rng	X	Y	DistanceDep	thWellDep		
<u>CP 00422</u>		СР	LE		4 4		22S	37E	672777	3587870* 💽	191	130	92	38
<u>CP 00255 POD2</u>		СР	LE	2	2 3	04	22S	37E	672166	3588458*	788	157	120	37
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											Minimum De	pth:	92 fee	t
											Maximum Dep	oth:	120 fee	t
Record Count: 2														
UTMNAD83 Radius	<u>s Search (in</u>	<u>meters</u>)	<u>:</u>											
Easting (X): 672841		North	ing ((Y):	3588	3050.25	57		Radius: 850					
*UTM location was derived	from PLSS -	see Help												
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accuracy, completeness, reliab	oility, usability	/, or suital	oility for any	' parti	cular	purpo	se of the	e data.			WATER COL			

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WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix B – Certified Laboratory Analytical Reports



January 18, 2024

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: 2251_BD P-4 EOL

Enclosed are the results of analyses for samples received by the laboratory on 01/17/24 13:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Analytical Results For:

Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	2251_BD P-4 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W - 1 (H240196-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/18/2024	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	01/17/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	2251_BD P-4 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W - 2 (H240196-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150 0.150		01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/18/2024	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	01/17/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0 10.0		01/17/2024	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	2251_BD P-4 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W - 3 (H240196-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					
Surrogate: 1-Chlorooctane	115 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	01/17/2024	Sampling Date:	01/17/2024
Reported:	01/18/2024	Sampling Type:	Soil
Project Name:	2251_BD P-4 EOL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W - 4 (H240196-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2024	ND	2.16	108	2.00	5.06	
Toluene*	<0.050	0.050	01/17/2024	ND	2.14	107	2.00	4.91	
Ethylbenzene*	<0.050	0.050	01/17/2024	ND	2.13	106	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/17/2024	ND	6.22	104	6.00	5.53	
Total BTEX	<0.300	0.300	01/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2024	ND	192	96.1	200	0.918	
DRO >C10-C28*	<10.0	10.0	01/17/2024	ND	197	98.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	01/17/2024	ND					
Surrogate: 1-Chlorooctane	94.0 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Rice On	npany Name: Rice Operating				1		B	ILL TO		ANALYSIS REQUEST													
							-	P.0). #:	-													
Project Manager: Katie Jo	nes/ Nyle Norman						-	Co	mpar	y: Rice	e Operating	1	1				S						
Address:		State: NM	7in-S	3824	0		-	Atte	Am Katie Jones			1				uo							
City:		Fax #:	rdv. (1.5 1. 1			-	_	dress				1				ic		1.1				
Phone #:			DCP	Midst	rean	L.P		Cit	y:				1	Σ		-	Ale		24-Hour Rush	Rush			
Project #: Project Owner: DCP Midstrean LP				-	ate:	Z	îp:		es l			đ	Suc		Su	2							
Project Name: .2251_BD P-4 EOL				Ph	one #	ŧ			Chlorides	3	BTEX	Texas TPH	tio	TDS	1	1							
Project Location:						x #:	-		-	b	TPH 8015	E	as	C)	E	OL I	48-Hour						
Sampler Name: Chris Flores			1.0	-	SERV.	SAMPLIN	G	통	m	ex e		e		Ţ	푸								
HAUGE ONLY Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	OIL	OTHER	ACID/BASE	ICE / COOL	DATE	TIME				F	Complete Cations/Anions			46			
	W-1		č		-	X				X	1.17.24	0920	X	X	X	-	-	-	X	+		-	-
2	W-2		c	_		X				X	1.17.24	0930	X	X	X	-	-	-	X	+	-	-	-
	W-3		C			X				X	1,17,24	6940	X	X	X	-	-	-	X	+ +	-	-	
3	W-4		C	1		X		+		X	1.17.24	0950	X	X	X				-		-	-	-
								+	E			-	+	-	+	-	-	-	-	\square	-	+	-
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			+		-	+	++	+	⊢	++-	-	+	+	1	-								
PLEASE NOTE Lubility and Damage completion of the applicable service in	es. Cerdinal's liability and client's exclusive n no event shall Cardinal be liable for inci n related to the performance of services t	e remedy for any claim ansing idental or consequental damage hereunder by Cardinal, regardle	whether s, inclus ss of wh	based in sing with wither su	contract out limits ch claim	t or tort. sh aton, bush is based i	all be limit tess intern upon any o	ed to the options. I the ab	amount bas of u we state	paid by the se, or loss of d reasons or	client for the analyse profits incurred by o otherwise	s Al claims incl lient, its subsidia	uding those these these	for negligenco	and any of	rer cause wha				s made in writin	ig and received	by Cardinal w	thin 30 days after
		Date:	_	eceiv	_	_	1					Phone R Fax Res		Ves			Add'l	Phone # Fax #:	:				
Relinguished By:		1.17.24 Time: 317	-4	8	fr	30	AR	10	n	U	4	REMAR	(S:	lts: ki	ones	@rice	eswd.	com ;	tgrie	co@ri	ceswo	.com	
Relinquished By		Date: Time:	-	eceiv							0	Iflore	s@ta	sman	-aeo	.com	; knor	man	@tas	man-ge	eo.col	n;	
Delivered By: (Circl Sampler - UPS - Bus	le One) a - Other:	-U-3i	14	0	0	iample Cool	Intact	tion			CKED BY:	((21	+H	R)						

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of 7

Page 7



February 01, 2024

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: 2251_BD P - 4 EOL

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		TASMAN GEOSCIENCES KYLE NORMAN 6899 PECOS ST. UNIT C DENVER CO, 80221 Fax To:		
Received:	01/30/2024		Sampling Date:	01/30/2024
Reported:	02/01/2024		Sampling Type:	Soil
Project Name:	2251_BD P - 4 EOL		Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN		Sample Received By:	Dionica Hinojos
Project Location:	RICE OPERATING			

Sample ID: IMP SOIL (H240422-01)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/31/2024	ND	2.11	105	2.00	0.496	
Toluene*	<0.050	0.050	01/31/2024	ND	2.09	105	2.00	0.277	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.07	104	2.00	0.458	
Total Xylenes*	<0.150 0.150		01/31/2024	ND	6.07	101	6.00	0.494	
Total BTEX	<0.300	0.300	01/31/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	24						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2024	ND	432	108	400	7.14	
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	01/30/2024	ND	201	101	200	0.352	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	220	110	200	0.682	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					
Surrogate: 1-Chlorooctane	110 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	10						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 6/25/2024 2:03:07 PM



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Rice Operating				BILL TO			ANALYSIS REQUEST																
Project Manager:	Katie Jones/Kyle Norman						-	P.O. #:				1											
Address:	122 W Taylor St.							Company: Rice Operating			9	1				0							
City:	Hobbs	State: NM 2	ip: 88	3240	-			Attr	Kati	ie Jor	nes		1				ű						
Phone #:	575-393-9174 Fax	x #:						Add	iress				1				ī						
Project #:	Pro	oject Owner: D	CP Mi	dstre	an L.P			City:		1	Σ		-	X		5	Rush						
Project Name:	Project Name: 2251_BD P-4 EOL			State: Zip:		es l			占	US US		ŝ	ŝ										
Project Location:								Pho	ne #:				1 ğ	3		-	ti	S	L.	E			
Sampler Name: C	hris Flores			-		_		Fax	#.			-	Þ	8 0 0	BTEX	as	CO	TDS	on	0			
HAUOHA	Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WASTEWATER SOIL	ATRI	SLUDGE		ACID/BASE	OTHER : VA	SAMPLIN	TIME	Chlorides	TPH 8015		Texas TPH	Complete Cations/Anions		24-Hour Rush	48-Hour			
1	Imp Soil		C 1		50		00	10		2 O K	1.30.2024	-	X	X	X	-	-		-				-
	mil oon			+	11	+		H	ť		1.50.2021	7.50	1										
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			-	+	++	+	+	H	+	+		-	+	-	+	-	-		-			-	-
completion of the applicable a	Time: Date: Time: Circle One)	sequental damages, in	Recei	ived I	By:	Cont	dition	a loss	of use; o taled rea	r loss of p sons or d	rofits incurred by clie	Phone Res Fax Result REMARKS	esult @tas	<u>Yes</u> Yes s: kjo man-		Drices	Add'I Pi Add'I Fa swd.c knorn	hone #: ax #: om ; nan@	tgried Dtasn	co@r	iceswo	d.com ; m;	

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Appendix C – Photographic Log























Appendix D – NMOCD Correspondence

Searches Operator Data Hearing Fee Application

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Informat	Submission Information				
Submission ID:	303120	Districts:	Hobbs		
Operator:	[19174] RICE OPERATING COMPANY	Counties:	Lea		
Description:	RICE OPERATING COMPANY [19174] , RICE BD P-4 EOL , nAPP2110241347				
Status:	APPROVED				
Status Date:	01/12/2024				
References (2):	fEEM0432439763, nAPP2110241347				

Forms

This application type does not have attachments.

Questions	
Prerequisites	
Incident ID (n#)	nAPP2110241347
Incident Name	NAPP2110241347 RICE BD P-4 EOL @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Facility	[fEEM0432439763] RICE BD BRUNSON EOL
Location of Release Source	
Site Name	RICE BD P-4 EOL
Date Release Discovered	04/14/2003
Surface Owner	Private
Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	9,272
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling	9.
Please provide any information necessary for observers to contact samplers	Kyle Norman - (575) 318-5017 Katie Davis - (575) 602-1336
Please provide any information necessary for navigation to sampling site	FROM THE INTERSECTION OF NM-207 AND TEXAS RD GO SOUTH ON NM-207 FOR 1 MILE, TURN WEST ON LEASE ROAD FOR 0.15 MILE, TURN SOUTH
	FOR 0.3 MILE, TURN EAST FOR 100 YARDS, TURN ON RICE ROW FOR 60 YARDS TO SITE.
Acknowledgments	
This submission type does not have acknowledgments, at this time.	
Comments	

Conditions
Summary: bsharp (1/122024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

No comments found for this submission.

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 357404

Operator:	OGRID:				
RICE OPERATING COMPANY	19174				
122 W Taylor	Action Number:				
Hobbs, NM 88240	357404				
	Action Type:				
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)				

QUESTIONS

QUESTIONS

Prerequisites				
Incident ID (n#)	nAPP2110241347			
Incident Name	NAPP2110241347 RICE BD P-4 EOL @ 0			
Incident Type	Produced Water Release			
Incident Status	Reclamation Report Received			
Incident Facility	[fEEM0432439763] RICE BD BRUNSON EOL			

Location of Release Source

Please answer all the questions in this group.					
Site Name	RICE BD P-4 EOL				
Date Release Discovered	04/14/2003				
Surface Owner	Private				

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. Cause: Other | Fitting | Produced Water | Released: 0 BBL (Unknown Released Amount) | Produced Water Released (bbls) Details Recovered: 0 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. Cause: || Other (Specify) | Released: 0 (Unknown Released Amount) | Recovered: 0 | Lost: 0 Other Released Details Historical site being worked under case number 1R426-06. Initial investigation conducted Are there additional details for the questions above (i.e. any answer containing according to the NMOCD approved Junction Box Workplan. A Disclosure Report was Other, Specify, Unknown, and/or Fire, or any negative lost amounts) submitted with all the 2003 junction box reports.

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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 2

Action 357404

Operator:	OGRID:
RICE OPERATING COMPANY	19174
122 W Taylor	Action Number:
Hobbs, NM 88240	357404
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS (continued)

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	Yes		
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.		
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.					
l han a bar a suite dha bha bha bheann air an air an air an air an an an an an an an an an air an air an an air					
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or				
I hereby agree and sign off to the above statement	Name: Begie Sharp Title: Executive Assistant				

Email: bbonds@riceswd.com Date: 12/20/2023

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 3

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QUESTIONS (continued)			
Operator:	OGRID:		
RICE OPERATING COMPANY	19174		
122 W Taylor	Action Number:		
Hobbs, NM 88240	357404		
	Action Type:		
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)		

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 75 and 100 (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 an	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 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	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Νο

Remediation Plan

Please answer all the questions th	at apply or are indicated. This information must be provided to	o the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation p	plan approval with this submission	Yes
Attach a comprehensive report der	nonstrating the lateral and vertical extents of soil contamination	on 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	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in m	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	4280
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 N which includes the anticipated time	MAC unless the site characterization report includes complete elines for beginning and completing the remediation.	0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM
Per Subsection B of 19.15.29.11 N which includes the anticipated time	MAC unless the site characterization report includes complete	
Per Subsection B of 19.15.29.11 N which includes the anticipated time On what estimated date wil	MAC unless the site characterization report includes complete elines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM
Per Subsection B of 19.15.29.11 N which includes the anticipated time On what estimated date wil	MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence he final sampling or liner inspection occur	ad efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM 01/08/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated time On what estimated date wil On what date will (or did) th On what date will (or was) t	MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence he final sampling or liner inspection occur	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM 01/08/2024 02/19/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated time On what estimated date wil On what date will (or did) th On what date will (or was) t What is the estimated surfa	MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence le final sampling or liner inspection occur he remediation complete(d)	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM 01/08/2024 02/19/2024 03/25/2024
Per Subsection B of 19.15.29.11 N which includes the anticipated time On what estimated date wil On what date will (or did) th On what date will (or was) t What is the estimated surfa What is the estimated volun	MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence the final sampling or liner inspection occur he remediation complete(d) ce area (in square feet) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM 01/08/2024 02/19/2024 03/25/2024 7440
Per Subsection B of 19.15.29.11 N which includes the anticipated time On what estimated date will On what date will (or did) th On what date will (or was) t What is the estimated surfa What is the estimated volun What is the estimated surfa	MAC unless the site characterization report includes complete elines for beginning and completing the remediation. I the remediation commence the final sampling or liner inspection occur he remediation complete(d) ce area (in square feet) that will be reclaimed ne (in cubic yards) that will be reclaimed	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NM 01/08/2024 02/19/2024 03/25/2024 7440 29760

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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District III

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

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QUESTI	ONS (continued)
Operator:	OGRID:
RICE OPERATING COMPANY	19174
122 W Taylor Hobbs, NM 88240	Action Number: 357404
10005, 1401 86240	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)
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	Sundance Services, Inc [fKJ1600527371]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site 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 efi which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ises which may endanger public health or the environment. The acceptance of a C-141 report by idequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Begie Sharp Title: Executive Assistant Email: bbonds@riceswd.com Date: 12/20/2023
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accors significantly deviate from the remediation plan proposed, then it should consult with the division to do	rdance with the physical realities encountered during remediation. If the responsible party has any need to etermine if another remediation plan submission is required.

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QUESTIONS (continued)	
Operator:	OGRID:
RICE OPERATING COMPANY	19174
122 W Taylor	Action Number:
Hobbs, NM 88240	357404
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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	Νο

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QUESTIONS (continued)	
Operator:	OGRID:
RICE OPERATING COMPANY	19174
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	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	303120
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/17/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	9272

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	9272	
What was the total volume (cubic yards) remediated	1008	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	15162	
What was the total volume (in cubic yards) reclaimed	1008	
Summarize any additional remediation activities not included by answers (above)	Please see attached Remediation Summary and Closure Report	
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents o final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.		
I berefy contify that the information given above is true and complete to the best of my	included and understand that nursuant to OCD rules and regulations all an extension of	
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed and notification to the OCD when reclamation and re-vegetation are complete.	

I hereby agree and sign off to the above statement	Name: Katie Davis Title: Environmental Manager Email: kjones@riceswd.com
	Date: 06/25/2024

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QUESTIONS (continued)	
Operator:	OGRID:
RICE OPERATING COMPANY	19174
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	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	15162
What was the total volume of replacement material (in cubic yards) for this site	1800
	four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 over must include a top layer, which is either the background thickness of topsoil or one foot of suitable material
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	01/30/2024
Summarize any additional reclamation activities not included by answers (above)	Please see the attached Remediation Summary and Closure Report.
	eclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form t field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ises which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or faily restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.
I hereby agree and sign off to the above statement	Name: Katie Davis Title: Environmental Manager Email: kjones@riceswd.com Date: 06/25/2024

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QUESTIONS (continued) Operator: OGRID: RICE OPERATING COMPANY 19174 122 W Taylor Action Number Hobbs, NM 88240 357404 Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report

Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied

Requesting a restoration complete approval with this submission

No Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.

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CONDITIONS

Operator:	OGRID:
RICE OPERATING COMPANY	19174
122 W Taylor	Action Number:
Hobbs, NM 88240	357404
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	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/19/2024

CONDITIONS

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