

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

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

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

Incident ID	NAPP2134728952
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OWL SWD OPERATING, LLC	OGRID	308339
Contact Name	PHILLIP SANDERS	Contact Telephone	
Contact email	psanders@oilfieldwaterlogistics.com	Incident # (assigned by OCD)	
Contact mailing address	8201 Preston Road, Suite 520,	Dallas TX, 75225	

### Location of Release Source

Latitude 32.122120 Longitude-103.380174  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Coachman FEE COM #4H (closest well)	Site Type Header
Date Release Discovered 12/5/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	21	25S	35E	LEA

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

The facility lost power which resulted in a valve failing to close the line pressured up and burst.

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Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

## Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Phillip Sanders

Title: Environmental Manager

Signature: Phillip Sanders

Date: 12/20/21

email: psanders@oilfieldwaterlogistics.com

Telephone: 210-906-3551

### OCD Only

Received by: Ramona Marcus

Date: 12/21/2021

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## Site Assessment/Characterization

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

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

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

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



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## Remediation Plan

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

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

### **OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

To: Chad Hensley/Mike Bracher  
NMOCD  
1220 South St. Francis Drive  
Santa Fe, NM 87505

## Introduction & Site History

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Alves Oilfield Solutions (AOS) was retained by Oilfield Water Logistics SWD Operating LLC, to remediate the site detailed herein. On December 5<sup>th</sup>, 2021, the facility lost power which resulted in a valve failing to close. The line pressured up and burst causing a 10 BBL release of Produced Water. 0 BBL of fluid were recovered. The Site is on the corner of a pad that belongs to the following

COG Operating LLC  
Coachman FEE Com 4H  
UL D SEC.21-T25S-35E  
Lea County New Mexico  
API 30-025-42508

It was also identified the release area has compromised Potash land as well. There site rep requested release area be remediated to NMOCD standards and regulations.

## Delineation & Groundwater Findings

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According to the New Mexico State Office of Engineers groundwater is at an average depth of 217 feet. Minimum depth is 205' and maximum depth is 230'. On December 6<sup>th</sup> and 7<sup>th</sup> AOS personal were on location to delineate and map the release. Six sample points were set, and 2 background samples were set to maximize the efficiency of delineation. The two background samples were well below regulatory limits which was evidence that the samples were outside release area in a non-contaminated area. The release area is in a sandy area which intensifies the spread of contamination due to the soil lithology

## Remediation Plan

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Sample points 1-6 all were above regulatory limits past of depth of 4' BGS. Sample Point 1 and 2 were not fully delineated at time of sampling due to depth of contamination and length of auger used for sampling. AOS on behalf of Oilfield Water Logistics LLC

- Fully delineate sample points 1 & 2 at the time of excavation. Mechanical equipment will be available and cost effective for all parties.
- Sample Points 1-6 excavate down to 4' BGS.
- Haul contaminated material to approved landfill
- Install a 20 ml liner at 4' bgs & properly seat.
- Backfill with clean imported sand and topsoil
- Seed area when seed season arises (February & March) with an approved seed mix (LPC) free of noxious and obtrusive weeds.

Sidewalls will be taken to ensure all contamination is removed vertically and horizontally. Sidewalls will be taken to lad for conformation. All remediation activities will be documented, and a closure report will be submitted to all proper agencies and affected parties.

Thank you in advance for your consideration

Michael Alves  
Alves Oilfield Solutions  
[michaelalves@alvesoilfieldsolutions.org](mailto:michaelalves@alvesoilfieldsolutions.org)  
575-631-4310



# Appendix I- Sitemaps

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# Oilfield water Logistics (OWL)

Closest Well  
Coachman Fee Com 4H  
ULD SEC.21-T25S-R35E  
210' FNL & 380' FWL  
LEA COUNTY, NM  
API 30-025-42508  
RELEASE AREA- 6,958 SQ. FT.

Legend

 Release Area





OILFIELD WATER LOGISTICS

12/08/2021

# Appendix II- Site Photos

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OILFIELD WATER LOGISTICS LLC

12/08/2021



## Appendix III- Groundwater Search

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# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 02297</a>		CUB	LE	2	2	1	21	25S	35E	653475	3555216	300	230	70
<a href="#">C 02298</a>		CUB	LE	2	2	1	21	25S	35E	653484	3555216	250	205	45

Average Depth to Water: **217 feet**

Minimum Depth: **205 feet**

Maximum Depth: **230 feet**

Record Count: 2

### Basin/County Search:

**Basin:** Carlsbad

**Subbasin:** Carlsbad Underground Basin

### PLSS Search:

**Section(s):** 21

**Township:** 25S

**Range:** 35E

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

OILFIELD WATER LOGISTICS

12/08/2021

## Appendix IV- Sampling and Labs

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Concho Phillp  
OCD TRACKING #

Location	GPS Coordinates	Sample Date	Lab I.D>	Sample Depth (feet BGS)	Field Screening		Laboratory Results										
					PID Result (PPM)	Titration Result (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	TPH GRO + DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH Ext DRO (mg/kg)
sp1	32.121894, -103.380515	12/7/21		SURF	16	6897											
sp1	32.121894, -103.380515	12/7/21		1'	16	3523											
sp1	32.121894, -103.380515	12/7/21		2'	16	4023											
sp1	32.121894, -103.380515	12/7/21		3'	16	4498											
sp1	32.121894, -103.380515	12/7/21		4'	16	4298											
sp1	32.121894, -103.380515	12/7/21		5'	16	4023											
sp1	32.121894, -103.380515	12/7/21		6'	16	4373											
sp1	32.121894, -103.380515	12/7/21		7'	16	6797											
sp1	32.121894, -103.380515	12/7/21		8'	16	4648											
sp2	32.121917, -103.380295	12/7/21		SURF	16	4498											
sp2	32.121917, -103.380295	12/7/21		1'	16	4273											
sp2	32.121917, -103.380295	12/7/21		2'	16	4173											
sp2	32.121917, -103.380295	12/7/21		3'	16	1649											
sp2	32.121917, -103.380295	12/7/21		4'	16	3398											
sp2	32.121917, -103.380295	12/7/21		5'	16	6797											
sp2	32.121917, -103.380295	12/7/21		6'	16	7222											
sp2	32.121917, -103.380295	12/7/21		7'	16	5773											
sp2	32.121917, -103.380295	12/7/21		8'	16	7997											
sp2	32.121917, -103.380295	12/7/21		9'	16	5923											
sp3	32.121926, -103.380096	12/7/21		SURF	16	3548											
sp3	32.121926, -103.380096	12/7/21		1'	16	2899											
sp3	32.121926, -103.380096	12/7/21		2'	16	4148											
sp3	32.121926, -103.380096	12/7/21		3'	16	3673											
sp3	32.121926, -103.380096	12/7/21		4'	16	2874											
sp3	32.121926, -103.380096	12/7/21		5'	16	2824											
sp3	32.121926, -103.380096	12/7/21		6'	16	999											
sp3	32.121926, -103.380096	12/7/21		7'	16	374											
sp3	32.121926, -103.380096	12/7/21		8'	16	324											
sp4	32.122012, -103.379948	12/7/21		SURF	16	3623											
sp4	32.122012, -103.379948	12/7/21		1'	16	3298											
sp4	32.122012, -103.379948	12/7/21		2'	16	3448											
sp4	32.122012, -103.379948	12/7/21		3'	16	3298											
sp4	32.122012, -103.379948	12/7/21		4'	16	3124											
sp4	32.122012, -103.379948	12/7/21		5'	16	3748											
sp4	32.122012, -103.379948	12/7/21		6'	16	499											
sp4	32.122012, -103.379948	12/7/21		7'	16	499											
sp5	32.121923, -103.379694	12/7/21		SURF	16	4323											
sp5	32.121923, -103.379694	12/7/21		1'	16	3698											
sp5	32.121923, -103.379694	12/7/21		2'	16	3698											
sp5	32.121923, -103.379694	12/7/21		3'	16	3573											
sp5	32.121923, -103.379694	12/7/21		4'		1424											
sp5	32.121923, -103.379694	12/7/21		5'	16	874											
sp5	32.121923, -103.379694	12/7/21		6'	16	474											
sp5	32.121923, -103.379694	12/7/21		7'	16	374											
sp6	32.121924, -103.379470	12/7/21		SURF	16	6373											
sp6	32.121924, -103.379470	12/7/21		1'	16	2924											

Concho Phillp  
OCD TRACKING #

Location	GPS Coordinates	Sample Date	Lab I.D>	Sample Depth (feet BGS)	Field Screening		Laboratory Results										
					PID Result (PPM)	Titration Result (mg/kg)	Chloride (mg/kg)	Total TPH (mg/kg)	TPH GRO + DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH Ext DRO (mg/kg)
sp6	32.121924, -103.379470	12/7/21		2'	16	3573											
sp6	32.121924, -103.379470	12/7/21		3'	16	2924											
sp6	32.121924, -103.379470	12/7/21		4'	16	1424											
sp6	32.121924, -103.379470	12/7/21		5'	16	749											
sp6	32.121924, -103.379470	12/7/21		6'	16	324											
sp6	32.121924, -103.379470	12/7/21		7'	16	324											
B61	32.121802, -103.380277	12/7/21			16	199											
B62	32.121806, -103.379459	12/7/21			16	149											

NMOCD Table 1 - Closure Criteria for Soils Impacted by a Release (19.15.29.12)

Minimum Depth to GW less than 10,000 mg/l TDS

<= 50'	600.00	100.00	-	50.00	10.00
51' - 100'	10000.00	2500.00	1000.00	50.00	10.00
>100'	20,000	2,500	1,000	50	10

**Reporting Limits:**

Chloride: 16.0 mg/kg

Benzene, Toluene, Ethylbenzene: 0.050 mg/kg for each analyte

Total Xylenes: 0.150 mg/kg

Total BTEX: 0.300 mg/kg

GRO (C6 - C10), DRO (>C10 - C28), Ext DRO (>C28 - C36): 10.0 mg/kg for each analyte

**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

CONDITIONS

Action 68067

**CONDITIONS**

Operator: OWL SWD OPERATING, LLC 8201 Preston Road Dallas, TX 75225	OGRID: 308339
	Action Number: 68067
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	12/21/2021