

**From:** [Hall, Brittany, EMNRD](#)  
**To:** [Saul Leyva](#)  
**Subject:** RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318  
**Date:** Tuesday, April 16, 2024 2:29:00 PM  
**Attachments:** [image001.png](#)

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Hi Saul,

If Crownquest does not have additional information regarding the completion of the remedial requirements at the date of the release that can be submitted, the release will need to be remediated and closed in accordance with 19.15.29 NMAC (effective 8/14/2018). All closure documentation will need to comply with the requirements of 19.15.29 NMAC and need to be uploaded under the C-141 form through the OCD Permitting website.

I have done a review of the attached analytical results and Sample A-1@12" and Sample A-2@12" do not meet the reclamation standards for TPH. The reclamation standard for TPH is 100 mg/kg.

The release will need to be delineated and remediated pursuant to 19.15.29 NMAC and the applicable report(s) will need to be uploaded before this incident will be closed.

The new digital C-141 went live on December 1, 2023. The guidance documents can be found at the hyperlinks below my email signature, if you need them.

Thank you,

**Brittany Hall** ● Environmental Specialist  
Environmental Bureau Projects Group  
EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87110  
505.517.5333 | [Brittany.Hall@emnrd.nm.gov](mailto:Brittany.Hall@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMNRD Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

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**From:** Saul Leyva <sleyva@crownquest.com>  
**Sent:** Monday, April 15, 2024 1:09 PM  
**To:** Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

Hi Brittany,

We found the incident report you referenced below but haven't located any other information. We completed all the remedial requirements at the date of this release. Attached is the soil sample that confirms that the location is in good condition.

Let me know what else you need for this to be released.

Thanks

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**From:** Hall, Brittany, EMNRD <[Brittany.Hall@emnrd.nm.gov](mailto:Brittany.Hall@emnrd.nm.gov)>  
**Sent:** Monday, April 1, 2024 12:21 PM  
**To:** Saul Leyva <[sleyva@crownquest.com](mailto:sleyva@crownquest.com)>  
**Cc:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

You don't often get email from [brittany.hall@emnrd.nm.gov](mailto:brittany.hall@emnrd.nm.gov). [Learn why this is important](#)

Saul,

To get the release closed, Crownquest Operating, LLC will need to provide the following:

- Copies of any historic reports that were approved by the OCD. The written approval from the OCD must be provided.

OR

- If historic approved reports are not available for this release, the release must be remediated and reclaimed pursuant to 19.15.29

NMAC (effective 8/14/2018).

The approved *Initial C-141* can be found on the Incident Details page under “Associated Images”. The Incident Files located under the “Associated Images” is a hyperlink and will take you to the *Initial C-141*. Below is a snippet of the Incidents details page indicating where the *Initial C-141* can be found.

**OCD Permitting**

Home > Searches > Incidents > Incident Details

**NTO1418937492 NEW MEXICO AN STATE #006 @ 30-025-01141**

**General Incident Information**

Site Name:	NEW MEXICO AN STATE #006	<a href="#">Edit</a>
Well:	<a href="#">[30-025-01141]</a> NEW MEXICO AN STATE #006	
Facility:		
Operator:	<a href="#">[213190]</a> CROWNQUEST OPERATING, LLC	
Status:	Initial C-141 Approved, Pending submission of Site Characterization / Remediation Plan OR Remediation Closure Report from the operator	
Type:	Other	
District:	Hobbs	
Severity:	Major	
Surface Owner:	State	
County:	Lea (25)	

**Quick Links**

- [General Incident Information](#)
- [Materials](#)
- [Events](#)
- [Orders](#)
- [Action Status](#)

**Associated Images**

- [Incident Files \(1\)](#)
- [Well Files \(15\)](#)

Please be advised that reports will not be accepted if they are submitted via email. All reports will need to be submitted through the OCD Permitting website.

Please let me know if you have any questions or require any additional information.

Thank you,

**Brittany Hall** ● Environmental Specialist  
Environmental Bureau Projects Group  
EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87110  
505.517.5333 | [Brittany.Hall@emnrd.nm.gov](mailto:Brittany.Hall@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oecd/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMNRD Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/oecd/oecd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/oecd/oecd-forms/>.

**From:** Saul Leyva <[sleyva@crowquest.com](mailto:sleyva@crowquest.com)>  
**Sent:** Monday, April 1, 2024 8:23 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

**CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.**

Good morning,

We received the attached notice regarding an incident report opened in 2014 that we weren't aware of until now. The site has since been reclaimed, can you direct us on how we can proceed to close this out?

Thanks.

**From:** Kourtney Dixon <[kourtney.wtor@gmail.com](mailto:kourtney.wtor@gmail.com)>  
**Sent:** Thursday, March 14, 2024 11:34 AM  
**To:** Saul Leyva <[sleyva@crowquest.com](mailto:sleyva@crowquest.com)>  
**Cc:** ann wtor <[ann.wtor@gmail.com](mailto:ann.wtor@gmail.com)>  
**Subject:** Fwd: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

Saul,

Good morning. According to OCD there is an incident from 2014 for NM AN ST #6 that was never closed. We will need to provide the required paperwork in order to close it before getting the release. I'm attaching a copy of the incident report as well as the instructions for closing incidents. If you have knowledge of this being previously closed, please let me know.

Kind regards,

Kourtney Dixon  
Regulatory / Mechanical Engineer  
West Texas Oil Reports  
832-657-6195 cell  
[kourtney.wtor@gmail.com](mailto:kourtney.wtor@gmail.com)

To whom it may concern (c/o Ann Ritchie for CROWNQUEST OPERATING, LLC),

The OCD has rejected the submitted *Subsequent Location After P&A* (C-103Q), for API number (30-#) 30-025-01141, for the following reasons:

- **Reported Release must be resolved and completed through, [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov), before submitting C-103Q**

The rejected C-103Q can be found in the OCD Online: Permitting - Action Status, under the Application ID: 322318. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-103Q.

Thank you,  
Gilbert Cordero  
Staff Manager  
575-626-0830  
[Gilbert.Cordero@emnrd.nm.gov](mailto:Gilbert.Cordero@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAY 27 2014

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company CrownQuest Operating	Contact Brandon Willis
Address 500 W. Texas Ave, Suite 500 • P.O. Box 53310 • Midland, Texas 79710	Telephone No. 432-528-9830
Facility Name AN AT BG Battery	Facility Type Battery

Surface Owner	Mineral Owner	API No. 3002501141
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## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	22	14S	33E					Lea

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

## NATURE OF RELEASE

Type of Release Oil and Water	Volume of Release 230 bbls	Volume Recovered 116 oil/ 114 water
Source of Release oil and water tank	Date and Hour of Occurrence 5/24/2014 around 7:00 am	Date and Hour of Discovery 5/24/2014 around 7:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Brandon Willis	Date and Hour 5/27/2014 9:00 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Depth to G.H. 75-100'

Describe Cause of Problem and Remedial Action Taken.\*

Lighting struck oil tank around 7:00 am on 5/24/2014 at AN AT BG battery. Fumes were ignited and preceded to burn oil and gas from oil tanks and melted fiberglass water tank, poly line, and other equipment in the fire wall.

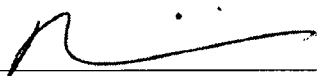

Remedial work to be done: broken and non-functioning equipment will be hauled to scrap yard. Soil will be tested and contaminated soil will be taken to Gandy-Marley facility. Facility will be rebuilt to previous specifications.

Describe Area Affected and Cleanup Action Taken.\*

oil and water from tanks spilled onto ground but contained in tank battery firewall. Approximately 230 bbls total fluid, 116 bbls of oil, 114 bbls of water were spilled and recovered.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

## OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Brandon G. Willis	Approval Date: 7-8-14 Expiration Date: 9-11-14	
Title: Lease Manager	Conditions of Approval: Site Specific	
E-mail Address: bwillis@crowquest.com	Attached <input type="checkbox"/>	

JUL 09 2014

required. Remediate & delineate  
site as per NMOCD guidelines.  
Submit final C-141 by 9-11-14

7-14-3149

09-14 213190

7701418 937492

0701418 937926

Date: 5/27/2014	Phone: 432-528-9830		
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\* Attach Additional Sheets If Necessary

**PERMIAN BASIN  
ENVIRONMENTAL LAB, LP  
1400 Rankin Hwy  
Midland, TX 79701**



# Analytical Report

**Prepared for:**

Adrian Carrasco  
Premier Energy Services  
2815 W. Industrial Ave  
Midland, TX 79701

Project: Crownquest - State 27-2

Project Number: [none]

Location: New Mexico

Lab Order Number: 4D04010



**Current Certification**

Report Date: 04/08/24

Premier Energy Services 2815 W. Industrial Ave Midland TX, 79701	Project: Crownquest - State 27-2 Project Number: [none] Project Manager: Adrian Carrasco
------------------------------------------------------------------------	------------------------------------------------------------------------------------------------

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sample A-1 @ 12"	4D04010-01	Soil	04/03/24 15:54	04-04-2024 12:59
Sample A-2 @ 12"	4D04010-02	Soil	04/03/24 15:56	04-04-2024 12:59
Sample B-1 @ 12"	4D04010-03	Soil	04/03/24 16:14	04-04-2024 12:59
Sample B-2 @ 12"	4D04010-04	Soil	04/03/24 16:16	04-04-2024 12:59

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample A-1 @ 12"  
4D04010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	113 %		80-120		P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.0 %		80-120		P4D0601	04/06/24 14:14	04/06/24 23:37	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	294	269	mg/kg dry	10	P4D0411	04/04/24 07:57	04/04/24 23:17	TPH 8015M	
>C12-C28	667	269	mg/kg dry	10	P4D0411	04/04/24 07:57	04/04/24 23:17	TPH 8015M	
>C28-C35	ND	269	mg/kg dry	10	P4D0411	04/04/24 07:57	04/04/24 23:17	TPH 8015M	
Surrogate: 1-Chlorooctane	83.0 %		70-130		P4D0411	04/04/24 07:57	04/04/24 23:17	TPH 8015M	
Surrogate: o-Terphenyl	79.8 %		70-130		P4D0411	04/04/24 07:57	04/04/24 23:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	961	269	mg/kg dry	10	[CALC]	04/04/24 07:57	04/04/24 23:17	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	86.6	1.08	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 23:02	EPA 300.0	
% Moisture	7.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



Premier Energy Services  
2815 W. Industrial Ave  
Midland TX, 79701

Project: Crownquest - State 27-2  
Project Number: [none]  
Project Manager: Adrian Carrasco

**Sample A-2 @ 12"**  
**4D04010-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	112 %		80-120		P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.8 %		80-120		P4D0601	04/06/24 14:14	04/06/24 23:59	EPA 8021B	

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

C6-C12	ND	133	mg/kg dry	5	P4D0411	04/04/24 07:57	04/04/24 23:39	TPH 8015M	
>C12-C28	494	133	mg/kg dry	5	P4D0411	04/04/24 07:57	04/04/24 23:39	TPH 8015M	
>C28-C35	149	133	mg/kg dry	5	P4D0411	04/04/24 07:57	04/04/24 23:39	TPH 8015M	
Surrogate: 1-Chlorooctane	96.2 %		70-130		P4D0411	04/04/24 07:57	04/04/24 23:39	TPH 8015M	
Surrogate: o-Terphenyl	88.3 %		70-130		P4D0411	04/04/24 07:57	04/04/24 23:39	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>643</b>	133	mg/kg dry	5	[CALC]	04/04/24 07:57	04/04/24 23:39	calc	

**General Chemistry Parameters by EPA / Standard Methods**

Chloride	67.9	1.06	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 23:19	EPA 300.0	
% Moisture	6.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample B-1 @ 12"  
4D04010-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.6 %		80-120		P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	116 %		80-120		P4D0601	04/06/24 14:14	04/07/24 00:21	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 00:01	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 00:01	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 00:01	TPH 8015M	
Surrogate: 1-Chlorooctane	80.0 %		70-130		P4D0411	04/04/24 07:57	04/05/24 00:01	TPH 8015M	
Surrogate: o-Terphenyl	71.2 %		70-130		P4D0411	04/04/24 07:57	04/05/24 00:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	04/04/24 07:57	04/05/24 00:01	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	143	1.10	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 23:35	EPA 300.0	
% Moisture	9.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services  
2815 W. Industrial Ave  
Midland TX, 79701

Project: Crownquest - State 27-2  
Project Number: [none]  
Project Manager: Adrian Carrasco

**Sample B-2 @ 12"**  
**4D04010-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**BTEX by 8021B**

Benzene	ND	0.00111	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.2 %		80-120		P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	117 %		80-120		P4D0601	04/06/24 14:14	04/07/24 00:43	EPA 8021B	

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M**

<b>C6-C12</b>	<b>30.1</b>	27.8	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 00:23	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 00:23	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 00:23	TPH 8015M	
Surrogate: 1-Chlorooctane	98.1 %		70-130		P4D0411	04/04/24 07:57	04/05/24 00:23	TPH 8015M	
Surrogate: o-Terphenyl	85.6 %		70-130		P4D0411	04/04/24 07:57	04/05/24 00:23	TPH 8015M	
<b>Total Petroleum Hydrocarbon C6-C35</b>	<b>30.1</b>	27.8	mg/kg dry	1	[CALC]	04/04/24 07:57	04/05/24 00:23	calc	

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chloride</b>	<b>125</b>	1.11	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 23:52	EPA 300.0	
<b>% Moisture</b>	<b>10.0</b>	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

BTEX by 8021B - Quality Control  
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0601 - \*\*\* DEFAULT PREP \*\*\*

Blank (P4D0601-BLK1)		Prepared & Analyzed: 04/06/24								
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.2	80-120			

LCS (P4D0601-BS1)		Prepared & Analyzed: 04/06/24								
Benzene	0.0972	0.00100	mg/kg	0.100		97.2	80-120			
Toluene	0.0906	0.00100	"	0.100		90.6	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			

LCS Dup (P4D0601-BSD1)		Prepared & Analyzed: 04/06/24								
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	8.59	20	
Toluene	0.0999	0.00100	"	0.100		99.9	80-120	9.86	20	
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120	9.63	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120	9.19	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	9.68	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P4D0601-CCB1)		Prepared & Analyzed: 04/06/24								
Benzene	0.240		ug/kg							
Toluene	0.330		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

BTEX by 8021B - Quality Control  
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0601 - \*\*\* DEFAULT PREP \*\*\*

Calibration Blank (P4D0601-CCB2)				Prepared & Analyzed: 04/06/24						
Benzene	0.280		ug/kg							
Toluene	0.300		"							
Ethylbenzene	0.300		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.290		"							
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			

Calibration Check (P4D0601-CCV1)				Prepared & Analyzed: 04/06/24						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.0945	0.00100	"	0.100		94.5	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Calibration Check (P4D0601-CCV2)				Prepared & Analyzed: 04/06/24						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	75-125			

Calibration Check (P4D0601-CCV3)				Prepared: 04/06/24 Analyzed: 04/07/24						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	75-125			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.4	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

BTEX by 8021B - Quality Control  
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0601 - \*\*\* DEFAULT PREP \*\*\*

Matrix Spike (P4D0601-MS1)	Source: 4D03013-01			Prepared: 04/06/24 Analyzed: 04/07/24						
Benzene	0.0527	0.00105	mg/kg dry	0.105	ND	50.1	80-120			QM-05
Toluene	0.0409	0.00105	"	0.105	0.000674	38.3	80-120			QM-05
Ethylbenzene	0.0460	0.00105	"	0.105	0.00581	38.1	80-120			QM-05
Xylene (p/m)	0.118	0.00211	"	0.211	0.0119	50.6	80-120			QM-05
Xylene (o)	0.127	0.00105	"	0.105	0.0246	97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.126		92.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.126		102	80-120			

Matrix Spike Dup (P4D0601-MSD1)	Source: 4D03013-01			Prepared: 04/06/24 Analyzed: 04/07/24						
Benzene	0.0495	0.00105	mg/kg dry	0.105	ND	47.1	80-120	6.24	20	QM-05
Toluene	0.0425	0.00105	"	0.105	0.000674	39.7	80-120	3.74	20	QM-05
Ethylbenzene	0.0530	0.00105	"	0.105	0.00581	44.8	80-120	16.2	20	QM-05
Xylene (p/m)	0.154	0.00211	"	0.211	0.0119	67.4	80-120	28.4	20	QM-05
Xylene (o)	0.157	0.00105	"	0.105	0.0246	126	80-120	25.5	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.148		"	0.126		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.126		85.4	80-120			

Premier Energy Services  
2815 W. Industrial Ave  
Midland TX, 79701

Project: Crownquest - State 27-2  
Project Number: [none]  
Project Manager: Adrian Carrasco

**Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P4D0411 - TX 1005**

**Blank (P4D0411-BLK1)**

Prepared & Analyzed: 04/04/24

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	47.2		"	50.0		94.4	70-130			

**LCS (P4D0411-BS1)**

Prepared & Analyzed: 04/04/24

C6-C12	959	25.0	mg/kg	1000		95.9	75-125			
>C12-C28	781	25.0	"	1000		78.1	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	48.3		"	50.0		96.6	70-130			

**LCS Dup (P4D0411-BS1)**

Prepared & Analyzed: 04/04/24

C6-C12	919	25.0	mg/kg	1000		91.9	75-125	4.29	20	
>C12-C28	766	25.0	"	1000		76.6	75-125	1.93	20	
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	44.5		"	50.0		88.9	70-130			

**Calibration Check (P4D0411-CCV1)**

Prepared & Analyzed: 04/04/24

C6-C12	449	25.0	mg/kg	500		89.7	85-115			
>C12-C28	451	25.0	"	500		90.2	85-115			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	46.7		"	50.0		93.4	70-130			

**Calibration Check (P4D0411-CCV2)**

Prepared & Analyzed: 04/04/24

C6-C12	459	25.0	mg/kg	500		91.7	85-115			
>C12-C28	498	25.0	"	500		99.6	85-115			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.6	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control  
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0411 - TX 1005

Calibration Check (P4D0411-CCV3)	Prepared: 04/04/24 Analyzed: 04/05/24									
C6-C12	480	25.0	mg/kg	500		95.9	85-115			
>C12-C28	448	25.0	"	500		89.6	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	48.1		"	50.0		96.3	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4D0412 - *** DEFAULT PREP ***										
Blank (P4D0412-BLK1)				Prepared & Analyzed: 04/04/24						
Chloride	ND	1.00	mg/kg							
LCS (P4D0412-BS1)				Prepared & Analyzed: 04/04/24						
Chloride	17.0		mg/kg	18.0		94.4	90-110			
LCS Dup (P4D0412-BSD1)				Prepared & Analyzed: 04/04/24						
Chloride	16.9		mg/kg	18.0		93.7	90-110	0.774	10	
Calibration Check (P4D0412-CCV1)				Prepared & Analyzed: 04/04/24						
Chloride	17.6		mg/kg	18.0		97.8	90-110			
Calibration Check (P4D0412-CCV2)				Prepared & Analyzed: 04/04/24						
Chloride	18.2		mg/kg	18.0		101	90-110			
Matrix Spike (P4D0412-MS1)		Source: 4D01014-49		Prepared & Analyzed: 04/04/24						
Chloride	141		mg/kg	100	42.9	98.5	80-120			
Matrix Spike (P4D0412-MS2)		Source: 4D04009-01		Prepared & Analyzed: 04/04/24						
Chloride	161		mg/kg	100	61.6	99.7	80-120			
Matrix Spike Dup (P4D0412-MSD1)		Source: 4D01014-49		Prepared & Analyzed: 04/04/24						
Chloride	141		mg/kg	100	42.9	97.9	80-120	0.374	20	
Matrix Spike Dup (P4D0412-MSD2)		Source: 4D04009-01		Prepared & Analyzed: 04/04/24						
Chloride	160		mg/kg	100	61.6	98.7	80-120	0.599	20	
Batch P4D0501 - *** DEFAULT PREP ***										
Blank (P4D0501-BLK1)				Prepared & Analyzed: 04/05/24						
% Moisture	ND	0.1	%							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - State 27-2
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

General Chemistry Parameters by EPA / Standard Methods - Quality Control  
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0501 - \*\*\* DEFAULT PREP \*\*\*

Duplicate (P4D0501-DUP1)	Source: 4D04009-03			Prepared & Analyzed: 04/05/24						
% Moisture	4.0	0.1	%		5.0			22.2	20	R3

Premier Energy Services  
2815 W. Industrial Ave  
Midland TX, 79701

Project: Crownquest - State 27-2  
Project Number: [none]  
Project Manager: Adrian Carrasco

### Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

4/8/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services  
2815 W. Industrial Ave  
Midland TX, 79701

Project: Crownquest - State 27-2  
Project Number: [none]  
Project Manager: Adrian Carrasco

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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



**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  
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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

CONDITIONS  
  
Action 334075

CONDITIONS

Operator: CROWNQUEST OPERATING, LLC P.O. Box 53310 Midland, TX 79710	OGRID: 213190
	Action Number: 334075
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	Correspondence between OCD and operator.	4/16/2024