

From: Aaron Pachlhofer
To: [Yu, Olivia, EMNRD](#)
Subject: RE: Report and invoice for Quail State 16
Date: Friday, October 13, 2017 3:50:26 PM
Attachments: image001.png
image002.png
image007.png
image003.png
image005.png

Olivia, there are no surface receptors in this area, and groundwater is over 100 feet deep. I think that soil below 1,000 mg/kg should be sufficient to remain onsite...in this case this soil is used as a berm to prevent future spills from migrating offsite.

I will forward the last email I have sent to Jaime Keyes on this issue.



Aaron Pachlhofer, P.G.
Environmental Coordinator
Fasken Oil and Ranch, Ltd.
6101 Holiday Hill Road
Midland, TX 79707
432-687-1777 Office
830-377-9190 Cell

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Friday, October 13, 2017 4:28 PM
To: Aaron Pachlhofer <aaronp@forl.com>
Cc: agroves@slo.state.nm.us
Subject: RE: Report and invoice for Quail State 16

Mr. Pachlhofer:

Please clarify these points regarding 1RP-4232:

1. From the email dated May 16, 2017, no additional delineation was done or will be done based on whose decision and what data?
2. Laboratory results of soil samples from the berm is above the permissible chloride levels of 600 mg/kg. Soil used for the berms needs to be replaced with soil with ≤ 600 mg/kg chloride levels.
3. Please provide all previous written documentation from Dr. Oberding, Jamie Keyes, or a previous contact with NMOCD, indicating approval for delineation or remediation proposals.

Thanks,
Olivia

From: Aaron Pachlhofer [<mailto:aaronp@forl.com>]
Sent: Friday, October 13, 2017 2:08 PM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Groves, Amber <agroves@slo.state.nm.us>
Subject: RE: Report and invoice for Quail State 16

Please see attached for the two grab samples obtained from the bermed soil at the Quail battery.



Aaron Pachlhofer, P.G.
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From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Friday, October 13, 2017 2:44 PM
To: Groves, Amber <agroves@slo.state.nm.us>; Aaron Pachlhofer <aaronp@forl.com>
Subject: RE: Report and invoice for Quail State 16

Mr. Pachlhofer:

NMOCD requests a status update on 1RP-4232 as well.

Thanks,
Olivia

From: Groves, Amber [<mailto:agroves@slo.state.nm.us>]
Sent: Tuesday, September 12, 2017 4:23 PM
To: Aaron Pachlhofer <aaronp@forl.com>
Cc: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>; Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Subject: RE: Report and invoice for Quail State 16

Aaron,

My records reflect that I have yet to receive any of the requested information with the Quail State 16 or the Cabot Q. When can this information be expected?

Thank you,

Amber Groves
Remediation Specialist

Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

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From: Groves, Amber
Sent: Wednesday, June 07, 2017 7:08 AM
To: 'Aaron Pachlhofer' <aaronp@forl.com>
Cc: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>; 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>
Subject: RE: Report and invoice for Quail State 16

Good Morning, Aaron,

I am still in need of the results of the grab samples that were requested on the Quail State 16.

Also, I reviewed the Cabot Q again and need some clarification. The C-141 states that 5,000 square feet of pasture was affected. I need to know what kind of work was done on that area and I will be needing a re-vegetation plan for it. I have attached our requirements for revegetation for convenience.

Thank you,

Amber Groves
Remediation Specialist
Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88260

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From: Aaron Pachlhofer [<mailto:aaronp@forl.com>]

Sent: Tuesday, May 16, 2017 9:52 AM

To: Groves, Amber <agroves@slo.state.nm.us>

Subject: RE: Report and invoice for Quail State 16

Correct. There was no further delineation completed.

I will forward the lab report from the two grab samples as soon as i get backnin front of my computer.

Happy Connecting. Sent from my Sprint Samsung Galaxy S® 5

----- Original message -----

From: "Groves, Amber" <agroves@slo.state.nm.us>

Date: 5/16/17 10:36 AM (GMT-06:00)

To: Aaron Pachlhofer <aaronp@forl.com>, "Oberding, Tomas, EMNRD"

<Tomas.Oberding@state.nm.us>

Cc: "Yu, Olivia, EMNRD" <Olivia.Yu@state.nm.us>

Subject: RE: Report and invoice for Quail State 16

Aaron,

I am hoping that I can get an update on the status of the two grab samples from the berm. Also, I just want to make sure, the further delineation that was requested by Jaime Keys will not be completed?

Thank you,



Amber Groves

Remediation Specialist
Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88260

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From: Aaron Pachlhofer [<mailto:aaronp@forl.com>]
Sent: Thursday, April 06, 2017 3:11 PM
To: Groves, Amber <agroves@slo.state.nm.us>; Oberding, Tomas, EMNRD
<Tomas.Oberding@state.nm.us>
Subject: FW: Report and invoice for Quail State 16

Amber,

Please find my last communication with you on this subject below. Please also note that this was also my last communication with Jaime Keyes about this spill—he did not comment or respond further. I checked with Tomas Oberding to see if he had any communication from Jaime after my last email to him on April 15, 2016, but he does not. Tomas and I discussed the spill and the sample results. As per our discussion, I will collect two grab samples from the berm and submit for chlorides. I anticipate that I will collect these samples next week.

The lab report is included as an attachment.



Aaron Pachlhofer, P.G.
Environmental Coordinator
Fasken Oil and Ranch, Ltd.
6101 Holiday Hill Road
Midland, TX 79707
432-687-1777 Office
830-377-9190 Cell

From: Aaron Pachlhofer
Sent: Monday, May 16, 2016 10:53 AM
To: Groves, Amber <agroves@slo.state.nm.us>
Subject: FW: Report and invoice for Quail State 16

Amber, here is the spill area outlined with sample locations as I sent it to Jamie Keyes. As you can see, the release went to the edge of our pad, but not into the pasture. Sample results showed that the S1 location was elevated for chlorides, but the others were fairly low. Since the drainage of the area is to the east, we have re-used the affected soil to ensure the any potential future release does not leave the pad by building a berm on the eastern edge of the pad.



Aaron Pachlhofer, P.G.
Environmental Coordinator

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



Analytical Report

Prepared for:

Aaron Pachlhofer
Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland, TX 79707

Project: Quail State 16 Battery

Project Number: [none]

Location: Lea County, NM

Lab Order Number: 7D13020



NELAP/TCEQ # T104704156-16-6

Report Date: 04/26/17

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Quail State 16 Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BERM 1	7D13020-01	Soil	04/12/17 12:00	04-13-2017 14:36
BERM 2	7D13020-02	Soil	04/12/17 12:02	04-13-2017 14:36

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Quail State 16 Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BERM 1
7D13020-01 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

Chloride	758	25.5	mg/kg dry	25	P7D2004	04/20/17	04/24/17	EPA 300.0
% Moisture	2.0	0.1	%	1	P7D1908	04/19/17	04/19/17	% calculation

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Quail State 16 Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BERM 2
7D13020-02 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

Chloride	795	25.3	mg/kg dry	25	P7D2004	04/20/17	04/24/17	EPA 300.0
% Moisture	1.0	0.1	%	1	P7D1908	04/19/17	04/19/17	% calculation

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Quail State 16 Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

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 P7D1908 - * DEFAULT PREP *****

Blank (P7D1908-BLK1)		Prepared & Analyzed: 04/19/17								
% Moisture	ND	0.1	%							
Duplicate (P7D1908-DUP1)		Source: 7D13014-04		Prepared & Analyzed: 04/19/17						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P7D1908-DUP2)		Source: 7D13017-23		Prepared & Analyzed: 04/19/17						
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P7D1908-DUP3)		Source: 7D17002-01		Prepared & Analyzed: 04/19/17						
% Moisture	17.0	0.1	%		17.0			0.00	20	

Batch P7D2004 - * DEFAULT PREP *****

Blank (P7D2004-BLK1)		Prepared: 04/20/17 Analyzed: 04/24/17								
Chloride	ND	1.00	mg/kg wet							
LCS (P7D2004-BS1)		Prepared: 04/20/17 Analyzed: 04/24/17								
Chloride	422	1.00	mg/kg wet	400		106	80-120			
LCS Dup (P7D2004-BSD1)		Prepared: 04/20/17 Analyzed: 04/24/17								
Chloride	419	1.00	mg/kg wet	400		105	80-120	0.751	20	
Duplicate (P7D2004-DUP1)		Source: 7D13018-14		Prepared: 04/20/17 Analyzed: 04/24/17						
Chloride	94.7	1.04	mg/kg dry		95.0			0.285	20	
Duplicate (P7D2004-DUP2)		Source: 7D18002-04		Prepared: 04/20/17 Analyzed: 04/24/17						
Chloride	1690	10.6	mg/kg dry		1690			0.0125	20	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Quail State 16 Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

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 P7D2004 - * DEFAULT PREP *****

Matrix Spike (P7D2004-MS1)

Source: 7D13018-14

Prepared: 04/20/17 Analyzed: 04/24/17

Chloride	1040	1.04	mg/kg dry	1040	95.0	90.6	80-120			
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Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Quail State 16 Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Notes and Definitions

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:

4/26/2017

Brent Barron, Laboratory Director/Technical Director

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

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

Project Manager: Aaron Pachhofer

Company Name Fasken Oil and Ranch, Ltd

Company Address: 6101 Holiday Hill Road

City/State/Zip: Midland, TX 79707

Telephone No: 432-687-1777

Fax No: 432-687-1570

Sampler Signature:

e-mail: aaronp@forl.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project #:

Project Name: ~~El Paso Federal #12~~

Project Loc: ~~Levy~~ County, NM

PO #:

Page 8 of 8

LAB # (lab use only)					
ORDER #: 71213020					
FIELD CODE					
Beginning Depth					
Ending Depth					
Date Sampled					
Time Sampled					
Field Filtered					
Total #. of Containers					
Ice					
HNO ₃					
HCl					
H ₂ SO ₄					
NaOH					
Na ₂ S ₂ O ₃					
None					
Other (Specify)					
DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other					
TPH: 418.1 8015M 8015B					
TPH: TX 1005 TX 1006					
Cations (Ca, Mg, Na, K)					
Anions (Cl, SO ₄ , Alkalinity)					
SAR / ESP / CEC					
Metals: As Ag Ba Cd Cr Pb Hg Se					
Volatiles					
Semivolatiles					
BTX 8021B/5030 or BTX 8260					
RCI					
N.O.R.M.					
Glycol					
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs					
Standard TAT					

Relinquished by:	Date	Time	Received by:	Date	Time
Aaron Pack-Holtz-	4/13/17	7:40	[Signature]	4/13/17	17:00
Relinquished by:	Date	Time	Received by:	Date	Time
[Signature]			[Signature]		

Special Instructions:
Laboratory Comments: Sample Containers Intact? <input checked="" type="checkbox"/> VOCs Free of Headspace? <input checked="" type="checkbox"/> Labels on container(s)? <input checked="" type="checkbox"/> Custody seals on container(s)? <input checked="" type="checkbox"/> Custody seals on cooler(s)? <input checked="" type="checkbox"/> Sample Hand Delivered by Sampler/Client Rep? <input checked="" type="checkbox"/> by Courier? UPS DHL FedEx Lone Star Temperature Upon Receipt: _____ °C Received: 6 NCEH Adjusted: _____ °C Factor