

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BP	Contact: Steve Moskal	
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497	
Facility Name: Pritchard Salt Water Disposal	Facility Type: Disposal well	
Surface Owner: Federal	Mineral Owner: Fee	API No. 3004528351

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
C	34	31N	09W	615	North	1,840	West	

Latitude 36.85962° Longitude -107.7730°

NATURE OF RELEASE


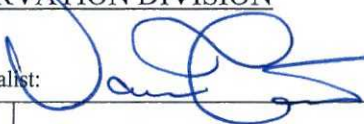
Type of Release: produced water	Volume of Release: 7.0 bbl	Volume Recovered: none
Source of Release: 2" filter basket	Date and Hour of Occurrence: September 17, 2016; unknown	Date and Hour of Discovery: September 17, 2016; 11:00AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? OIL CONS. DIV DIST. 3	
By Whom? Steve Moskal	Date and Hour: SEP 30 2016	
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.*

Describe Cause of Problem and Remedial Action Taken.* Field tech found lid on 2" filter basket leaking produced water. Water was to collect in pump house and drain to nearby BGT, however drain line was plugged for unknown reason discharging water to the soil surface.

Describe Area Affected and Cleanup Action Taken.* The drain line was inspected and found to be plugged. The obstruction was removed. The filter basket was also repaired. A 5 point composite soil sample was collected from the area of impact and submitted for laboratory analysis. Laboratory results are attached.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: 12/16/2016	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval: NVF1634154826	Attached <input type="checkbox"/>
Date: September 30, 2016	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 30, 2016

Steve Moskal
BP America
200 Energy Court
Farmington, NM 87401
TEL: (505) 326-9457
FAX

RE: Pritchard SWD

OrderNo.: 1609C07

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/20/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1609C07

Date Reported: 9/30/2016

CLIENT: BP America

Client Sample ID: Surface Comp@0-4"

Project: Pritchard SWD

Collection Date: 9/19/2016 12:45:00 PM

Lab ID: 1609C07-001

Matrix: SOIL

Received Date: 9/20/2016 8:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	90	7.5		mg/Kg	5	9/26/2016 3:14:57 PM	27722
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	120	9.7		mg/Kg	1	9/27/2016 4:38:25 PM	27685
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	9/27/2016 4:38:25 PM	27685
Surr: DNOP	94.8	70-130		%Rec	1	9/27/2016 4:38:25 PM	27685
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	12	5.0		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Surr: BFB	138	68.3-144		%Rec	1	9/23/2016 12:51:18 PM	27657
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Toluene	ND	0.050		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Ethylbenzene	ND	0.050		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Xylenes, Total	0.33	0.10		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	9/23/2016 12:51:18 PM	27657

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	LCS-27722	SampType:	Ics	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27722	RunNo:	37487					
Prep Date:	9/26/2016	Analysis Date:	9/26/2016	SeqNo:	1165802	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	LCS-27685		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 27685		RunNo: 37494					
Prep Date:	9/26/2016		Analysis Date: 9/27/2016		SeqNo: 1166208		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.7	62.6	124			
Surr: DNOP	4.5		5.000		90.9	70	130			

Sample ID	MB-27685	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27685	RunNo:	37494					
Prep Date:	9/26/2016	Analysis Date:	9/27/2016	SeqNo:	1166209	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.1	70	130			

Sample ID	MB-27707		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	27707		RunNo:	37494				
Prep Date:	9/26/2016		Analysis Date:	9/27/2016		SeqNo:	1166802		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	8.7		10.00		87.3	70	130				

Sample ID	LCS-27707		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 27707		RunNo: 37494					
Prep Date:	9/26/2016		Analysis Date: 9/27/2016		SeqNo: 1166803		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr:DNOP	4.9		5.000		98.9	70	130			

Sample ID	MB-27738		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	27738		RunNo:	37494				
Prep Date:	9/27/2016		Analysis Date:	9/28/2016		SeqNo:	1167146		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	8.7		10.00		87.1	70	130				

Sample ID	LCS-27738		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	27738		RunNo:	37494				
Prep Date:	9/27/2016		Analysis Date:	9/28/2016		SeqNo:	1167147		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	4.6		5.000		91.2	70	130				

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	LCS-27783	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27783	RunNo:	37554					
Prep Date:	9/29/2016	Analysis Date:	9/29/2016	SeqNo:	1168526	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.4	70	130			

Sample ID	MB-27783	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27783	RunNo:	37554					
Prep Date:	9/29/2016	Analysis Date:	9/29/2016	SeqNo:	1168527	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	MB-27657	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	27657	RunNo:	37456					
Prep Date:	9/22/2016	Analysis Date:	9/23/2016	SeqNo:	1164347	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	780		1000		78.2	68.3	144			

Sample ID	LCS-27657	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	27657	RunNo:	37456					
Prep Date:	9/22/2016	Analysis Date:	9/23/2016	SeqNo:	1164348	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	74.6	123			
Surr: BFB	880		1000		87.6	68.3	144			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	MB-27657		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	27657		RunNo:	37456			
Prep Date:	9/22/2016		Analysis Date:	9/23/2016		SeqNo:	1164360		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	80	120			

Sample ID	LCS-27657		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	27657		RunNo:	37456			
Prep Date:	9/22/2016		Analysis Date:	9/23/2016		SeqNo:	1164361		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.5	75.3	123			
Toluene	0.96	0.050	1.000	0	96.4	80	124			
Ethylbenzene	0.96	0.050	1.000	0	96.3	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	95.3	83.9	122			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	80	120			

Sample ID	1609C07-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	Surface Comp@0-4"		Batch ID:	27657		RunNo:	37456			
Prep Date:	9/22/2016		Analysis Date:	9/23/2016		SeqNo:	1164382		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9862	0.009101	80.9	71.5	122			
Toluene	1.0	0.049	0.9862	0.04209	99.1	71.2	123			
Ethylbenzene	1.1	0.049	0.9862	0.02452	106	75.2	130			
Xylenes, Total	3.5	0.099	2.959	0.3277	106	72.4	131			
Surr: 4-Bromofluorobenzene	1.0		0.9862		102	80	120			

Sample ID	1609C07-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	Surface Comp@0-4"		Batch ID:	27657		RunNo:	37456			
Prep Date:	9/22/2016		Analysis Date:	9/23/2016		SeqNo:	1164383		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9901	0.009101	101	71.5	122	22.6	20	R
Toluene	1.1	0.050	0.9901	0.04209	106	71.2	123	7.08	20	
Ethylbenzene	1.1	0.050	0.9901	0.02452	107	75.2	130	0.514	20	
Xylenes, Total	3.4	0.099	2.970	0.3277	104	72.4	131	1.45	20	
Surr: 4-Bromofluorobenzene	1.0		0.9901		102	80	120	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawks NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BP AMERICA-Farmington

Work Order Number: 1609C07

ReptNo: 1

Received by/date:	<i>AS</i>	<i>09/20/16</i>	
Logged By:	Michelle Garcia	9/20/2016 8:40:00 AM	<i>Michelle Garcia</i>
Completed By:	Michelle Garcia	9/21/2016 3:59:23 PM	<i>Michelle Garcia</i>
Reviewed By:	<i>JC</i>	<i>09/22/16</i>	

Chain of Custody

- | | | | |
|--|---|-----------------------------|---|
| 1. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 2. Is Chain of Custody complete? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 3. How was the sample delivered? | Courier | | |

Log In

- | | | | |
|--|---|--|--|
| 4. Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 6. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 10. VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA Vials <input checked="" type="checkbox"/> |
| 11. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 15. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Chain-of-Custody Record

Turn-Around Time:

Client: BP America Production Co

☒ Standard ☐ Rush

Project Address: 230 Energy Ct

Project Name: Prithard 2400

Location: Carrollton, NM 87101

Project #:

Phone #: 505 (387) 9179

Email or Fax#: Steve.Mosk@bp.com

Project Manager:

QC Package:

☐ Level 4 (Full Validation)

Preparation

VELAP ☐ Other

EDD (Type)

Sampler: li 4
On-site: ☒ Yes ☐ No
Sample Temperature: 1.8°C

Site Time Matrix Sample Request ID

Container Type and # Preservative Type

HEAL No. 1009407

3/16 13450 Soil Surface sample 0-4"

4b x 1

cos 1

001

☒ BTEX + MTBE + TMB's (8021)
☒ BTEX + MTBE + TPH (Gas only)
☒ TPH 8015B (GRO / DRO / MRO)
TPH (Method 418.1)
EDB (Method 504.1)
PAH's (8310 or 8270 SIMS)
RCRA 8 Metals
☒ Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)
8081 Pesticides / 8082 PCB's
8260B (VOA)
8270 (Semi-VOA)

Air Bubbles (Y or N)

a: Time: Relinquished by:

Received by:

Date Time

Remarks:

b: Time: Relinquished by:

Received by:

Date Time

Remarks:

1/16 1730 Steve Mosk

Steve Mosk 9/14/16 1730

Ref: VTD: VMS6 HQFEC



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: BP	Contact: Steve Moskal	
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497	
Facility Name: Pritchard Salt Water Disposal	Facility Type: Disposal well	
Surface Owner: Federal	Mineral Owner: Fee	API No. 3004528351

LOCATION OF RELEASE

Unit Letter C	Section 34	Township 31N	Range 09W	Feet from the 615	North/South Line North	Feet from the 1,840	East/West Line West	County: San Juan
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Latitude 36.85962° Longitude -107.7730°

NATURE OF RELEASE


Type of Release: produced water	Volume of Release: 7.0 bbl	Volume Recovered: none
Source of Release: 2" filter basket	Date and Hour of Occurrence: September 17, 2016; unknown	Date and Hour of Discovery: September 17, 2016; 11:00AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Steve Moskal	Date and Hour:	
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.*

Describe Cause of Problem and Remedial Action Taken.* Field tech found lid on 2" filter basket leaking produced water. Water was to collect in pump house and drain to nearby BGT, however drain line was plugged for unknown reason discharging water to the soil surface.

Describe Area Affected and Cleanup Action Taken.* The drain line was inspected and found to be plugged. The obstruction was removed. The filter basket was also repaired. A 5 point composite soil sample was collected from the area of impact and submitted for laboratory analysis. Laboratory results are attached. Gypsum was applied to the surface and raked in place.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal	Approved by Environmental Specialist:	
Title: Field Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: September 30, 2016	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 30, 2016

Steve Moskal
BP America
200 Energy Court
Farmington, NM 87401
TEL: (505) 326-9457
FAX

RE: Pritchard SWD

OrderNo.: 1609C07

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/20/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1609C07

Date Reported: 9/30/2016

CLIENT: BP America

Client Sample ID: Surface Comp@0-4"

Project: Pritchard SWD

Collection Date: 9/19/2016 12:45:00 PM

Lab ID: 1609C07-001

Matrix: SOIL

Received Date: 9/20/2016 8:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	90	7.5		mg/Kg	5	9/26/2016 3:14:57 PM	27722
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	120	9.7		mg/Kg	1	9/27/2016 4:38:25 PM	27685
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	9/27/2016 4:38:25 PM	27685
Surr: DNOP	94.8	70-130		%Rec	1	9/27/2016 4:38:25 PM	27685
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	12	5.0		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Surr: BFB	138	68.3-144		%Rec	1	9/23/2016 12:51:18 PM	27657
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Toluene	ND	0.050		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Ethylbenzene	ND	0.050		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Xylenes, Total	0.33	0.10		mg/Kg	1	9/23/2016 12:51:18 PM	27657
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	9/23/2016 12:51:18 PM	27657

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	LCS-27722	SampType:	Ics	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27722	RunNo:	37487					
Prep Date:	9/26/2016	Analysis Date:	9/26/2016	SeqNo:	1165802	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	LCS-27685	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27685	RunNo:	37494					
Prep Date:	9/26/2016	Analysis Date:	9/27/2016	SeqNo:	1166208	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.7	62.6	124			
Surr: DNOP	4.5		5.000		90.9	70	130			

Sample ID	MB-27685	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27685	RunNo:	37494					
Prep Date:	9/26/2016	Analysis Date:	9/27/2016	SeqNo:	1166209	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.1	70	130			

Sample ID	MB-27707	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27707	RunNo:	37494					
Prep Date:	9/26/2016	Analysis Date:	9/27/2016	SeqNo:	1166802	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		87.3	70	130			

Sample ID	LCS-27707	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27707	RunNo:	37494					
Prep Date:	9/26/2016	Analysis Date:	9/27/2016	SeqNo:	1166803	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		98.9	70	130			

Sample ID	MB-27738	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27738	RunNo:	37494					
Prep Date:	9/27/2016	Analysis Date:	9/28/2016	SeqNo:	1167146	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		87.1	70	130			

Sample ID	LCS-27738	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27738	RunNo:	37494					
Prep Date:	9/27/2016	Analysis Date:	9/28/2016	SeqNo:	1167147	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	LCS-27783	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27783	RunNo:	37554					
Prep Date:	9/29/2016	Analysis Date:	9/29/2016	SeqNo:	1168526	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.4	70	130			

Sample ID	MB-27783	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27783	RunNo:	37554					
Prep Date:	9/29/2016	Analysis Date:	9/29/2016	SeqNo:	1168527	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	MB-27657	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	27657	RunNo:	37456					
Prep Date:	9/22/2016	Analysis Date:	9/23/2016	SeqNo:	1164347	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	780		1000		78.2	68.3	144			

Sample ID	LCS-27657	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	27657	RunNo:	37456					
Prep Date:	9/22/2016	Analysis Date:	9/23/2016	SeqNo:	1164348	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	74.6	123			
Surr: BFB	880		1000		87.6	68.3	144			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609C07

30-Sep-16

Client: BP America
Project: Pritchard SWD

Sample ID	MB-27657	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID: 27657			RunNo: 37456					
Prep Date:	9/22/2016	Analysis Date: 9/23/2016			SeqNo: 1164360		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	80	120			

Sample ID	LCS-27657	SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID: 27657			RunNo: 37456					
Prep Date:	9/22/2016	Analysis Date: 9/23/2016			SeqNo: 1164361		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.5	75.3	123			
Toluene	0.96	0.050	1.000	0	96.4	80	124			
Ethylbenzene	0.96	0.050	1.000	0	96.3	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	95.3	83.9	122			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	80	120			

Sample ID	1609C07-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	Surface Comp@0-4"	Batch ID:	27657	RunNo:	37456					
Prep Date:	9/22/2016	Analysis Date:	9/23/2016	SeqNo:	1164382	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9862	0.009101	80.9	71.5	122			
Toluene	1.0	0.049	0.9862	0.04209	99.1	71.2	123			
Ethylbenzene	1.1	0.049	0.9862	0.02452	106	75.2	130			
Xylenes, Total	3.5	0.099	2.959	0.3277	106	72.4	131			
Surr: 4-Bromofluorobenzene	1.0		0.9862		102	80	120			

Sample ID	1609C07-001AMSD	SampType:	MSD	TestCode: EPA Method 8021B: Volatiles						
Client ID:	Surface Comp@0-4"	Batch ID:	27657	RunNo: 37456						
Prep Date:	9/22/2016	Analysis Date:	9/23/2016	SeqNo:	1164383	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9901	0.009101	101	71.5	122	22.6	20	R
Toluene	1.1	0.050	0.9901	0.04209	106	71.2	123	7.08	20	
Ethylbenzene	1.1	0.050	0.9901	0.02452	107	75.2	130	0.514	20	
Kylenes, Total	3.4	0.099	2.970	0.3277	104	72.4	131	1.45	20	
Surr: 4-Bromofluorobenzene	1.0		0.9901		102	80	120	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BP AMERICA-Farmington

Work Order Number: 1609C07

RcptNo: 1

Received by/date:

AS *09/20/16*

Logged By: Michelle Garcia

9/20/2016 8:40:00 AM

Michelle Garcia

Completed By: Michelle Garcia

9/21/2016 3:59:23 PM

Michelle Garcia

Reviewed By:

JC *09/22/16*

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Analysis Request

