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

Form C-141 Revised August 8, 2011

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

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

			Rele	ease Notific	catio	n and Co	orrective A	ction		
						0	PERATOR	\geq	Init	ial Report Final Report
Name of Co					3	Contact: Ste			2000	
		Court, Farmi					No.: 505-326-94			
Facility Na	me: Pritcha	ard Salt Wate	er Dispos	al		Facility Typ	e: Disposal wel	1		
Surface Ow	mer: Feder	al		Mineral ()wner:	Fee		A	API No	. 3004528351
				LOCA	ATIO	N OF RE	LEASE			
Unit Letter C	Section 34	Township 31N	Range 09W	Feet from the 615	North North	/South Line	Feet from the 1,840	East/West West	Line	County: San Juan
		Latitu	ıde <u>36.</u>	85962°	2	_ Longitud	e107.7730°			
				NAT	URE	OF REL	EASE			2
Type of Rele	ase: produc	ed water			22	Volume of	Release: 7.0 bbl	Vo	lume R	ecovered: none
Source of Re	lease: 2" fil	ter basket					four of Occurrenc 17, 2016; unknow		2016:	Hour of Discovery: September 11:00AM
Was Immedia	ate Notice (Yes	No 🛭 Not Re	equired	If YES, To	Whom?		OIL	CONS. DIV DIST. 3
By Whom?	Steve Mosk	al				Date and H	lour:			SEP 3 0 2016
Was a Water		hed?				If YES, Vo	lume Impacting the	he Watercou	ırse.	021 3 0 2010
			Yes 🛛	No						
If a Watercou	irse was Imp	pacted, Descri	be Fully.*							
							ter basket leaking ischarging water			Vater was to collect in pump
Describe Area	a Affected a	and Cleanup A	ction Tak	en.* The drain lir	ne was i	nspected and	found to be plugge	ed. The obs	truction	was removed. The filter y analysis. Laboratory results
are attached.	oo repaned.	110 point co.	inposite se	in sumpre mus ee		irom are area.	or impact and odo	mileu ioi iu	10014101	, manyon Daboratory rosans
										ant to NMOCD rules and
										ases which may endanger
										eve the operator of liability surface water, human health
										mpliance with any other
federal, state,										
	7-						OIL CONS	ERVAT	ION I	DIVISION
Signature:	Mus M	un)						1	\ (
Printed Name	: Steve Mos	skal				Approved by I	Environmental Sp	ecialist:)a	45
Title: Field Er	nvironmenta	al Coordinator				Approval Date	12/14/2011	Q Expir	ation D	ate:
E-mail Addres	ss: steven.m	oskal@bp.co	m			Conditions of	Approval:			Attached
Date: Septem	ber 30, 201	6	Phor	ne: 505-326-9497	9	NYFIN	341548	168		<u> </u>

^{*} 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 qualifers 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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1609C07

Date Reported: 9/30/2016

Hall Environmental Analysis Laboratory, Inc.

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

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

Analyses	Result	PQL Q	ual 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 RAN	GE ORGANIC	S			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 RAI	NGE				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

Matrix: SOIL

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

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 Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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

9/26/2016

Prep Date:

Analysis Date: 9/26/2016

SeqNo: 1165802

Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val %REC LowLimit 1.5

HighLimit

%RPD

RPDLimit Qual

Chloride

15.00

0

95.6

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits R

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

Value above quantitation range E

Reporting Detection Limit

Analyte detected below quantitation limits

Page 2 of 6

Sample pH Not In Range

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1

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

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

10.00

Qualifiers:

Surr: DNOP

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

8.7

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

70

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609C07

30-Sep-16

Client:

BP America

Project:

Pritchard SWD

Sample ID LCS-27783

SampType: LCS

LCSS Client ID:

Batch ID: 27783

RunNo: 37554

TestCode: EPA Method 8015M/D: Diesel Range Organics

%RPD

Prep Date: 9/29/2016

SegNo: 1168526

Units: %Rec

Analyte

Analysis Date: 9/29/2016

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC

Result 4.8

5.000

LowLimit

HighLimit

RPDLimit Qual

Surr: DNOP

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

95.4

Client ID: Prep Date:

9/29/2016

Sample ID MB-27783

Batch ID: 27783 Analysis Date: 9/29/2016

RunNo: 37554

SeqNo: 1168527

Units: %Rec HighLimit

Analyte

Result

10.00

100

70

LowLimit

130

10

Qual

Surr: DNOP

%RPD **RPDLimit**

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

В Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 4 of 6

P Sample pH Not In Range

Reporting Detection Limit Sample container temperature is out of limit as specified

Qualifiers:

S % Recovery outside of range due to dilution or matrix

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 Gasoline Range Organics (GRO) Result PQL ND 5.0 SPK value SPK Ref Val %REC LowLimit

HighLimit

Qual

%RPD

RPDLimit

Surr: BFB

780

1000

78.2

68.3

144

Sample ID LCS-27657

SampType: LCS Batch ID: 27657

RunNo: 37456

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Prep Date: 9/22/2016

Analysis Date: 9/23/2016

SeqNo: 1164348

%REC LowLimit

Units: mg/Kg

HighLimit

Analyte

Result PQL

SPK value SPK Ref Val 25.00

110

0

74.6

123

RPDLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

28 5.0 880

1000

87.6

68.3

144

%RPD

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank B

Value above quantitation range E

Analyte detected below quantitation limits J

Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609C07

30-Sep-16

Client:

BP America

Project:

Pritchard SWD

Sample ID MB-27657	Samp [*]	Type: Mi	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS			RunNo: 37456							
Prep Date: 9/22/2016	Analysis [Date: 9/	23/2016	5	SeqNo: 1	164360	Units: mg/K	g		
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								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	80	120			

Sample ID LCS-27657	Samp	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 27	657	F	RunNo: 3					
Prep Date: 9/22/2016	Analysis [Date: 9/	23/2016		SeqNo: 1	164361	Units: mg/k	(g		
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 1609C07-001AN	IS SampT	ype: MS	3	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: Surface Comp@	Client ID: Surface Comp@0-4" Batch ID: 27657			RunNo: 37456						
Prep Date: 9/22/2016	Analysis D	ate: 9/	23/2016	8	SeqNo: 1	164382	Units: mg/k	(g		
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 1609C07-001AN	ISD Samp1	ype: MS	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles			
Client ID: Surface Comp@						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

Page 6 of 6

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

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

CI	ient Name:	BP AMERIC	CA-Farmingt	on Work	Order Number	: 1609C0)7			ReptNo	: 1
Re	ceived by/date	e:	15	0	9/00/14						
	gged By:	Michelle G	Barcia	9/20/20	16 8:40:00 AM			minul	Garcia		
Co	mpleted By:	Michelle G	arcia	9/21/20	16 3:59:23 PM			Michell	Conin		
Re	viewed By:	Pr. 09	122/16						,		
Chi	ain of Cust	10	1								
	Custody seal		ample bottles	?		Yes [No [_ N	ot Present	
2.	Is Chain of C	ustody comp	olete?			Yes 5		No [] N	ot Present 🗌	
3.	How was the	sample deliv	vered?			Courie					
Lo	g In										
	Was an atter	mpt made to	cool the sam	ples?		Yes E		No [NA 🗆	
5.	Were all sam	ples receive	d at a temper	rature of >0° C	to 6.0°C	Yes 🛂	9	No []	NA 🗌	
6.	Sample(s) in	proper conta	ainer(s)?			Yes 5		No [
7.	Sufficient san	nple volume	for indicated	test(s)?		Yes V		No [
8.	Are samples	(except VOA	and ONG) p	roperly preserv	red?	Yes V		No []		
9.	Was preserva	ative added to	o bottles?			Yes [No 🖳		NA 🗆	
10.	.VOA vials hav	ve zero head	space?			Yes []	No [] No \	VOA Vials	
11.	Were any sar	mple contain	ers received	broken?		Yes		No 6	# of	preserved	,
12.	.Does paperwe	ork match bo	ttle labels?			Yes 🔽	3	No [les checked oH;	
	(Note discrep			y)				_	,		or >12 unless noted)
				in of Custody?		Yes 🛂		No L]	Adjusted?	
EL	Is it clear wha			d?		Yes Y		No [Checked by:	
	Were all holdi (If no, notify c	-)		Yes 🛂	J	NO L	J	Onounda by.	
,											
Spe	cial Handl	ing (if app	licable)								
16.	Was client no	tified of all di	screpancies	with this order		Yes _]	No []	NA 🗹	
	Person	Notified:		24 14 1	Date			-			
	By Who	m:			Via:	eMail	□ P	hone 🗌 Fa	ax 🗌 In	Person	1
	Regardi					-	- 1000				
	Client In	structions:									
17.	Additional rer	marks:								4	
18.	Cooler Inform								,	. 4	*
	Cooler No	Temp °C	Condition	Seal Intact	Seal No S	Seal Date	-	Signed By	_		
	1	1.8	Good	Yes							

	un-Alound line:	HALL ENVIRONMENTAL
Est America Production Co	Standard □ Rush Project Name:	ANALYSIS LABORATORY www.hallenvironmental.com
ling Address: 200 Contrary	Pritchard 8200	4901 Hawkins NE - Albuquerque, NM 87109
Corners we some sold	Project #:	01
3337179		Analysis Request
l ma'	Project Manager:	RO)
ge:		0 / M (S)
Standard Level 4 (Full Validation)	CTIONE MONKEY	(G RO SIM
on	Sampler: U , u	PH / DI 1) 1) 70 \$
VELAP Other	On Ice: Yes 🗈 No	+ T RO 18. 604. · 82 3 3 7 8 7 8 7 8 8
DD (Type)	Sample Temperature 1.8°C	God (Ood (Ood (Ood (Ood (Ood (Ood (Ood (O
ate Time Matrix Sample Request ID	Container Preservative HEAL No. Type and # Type	BTEX + M BTEX + M TPH 8015E TPH (Meth EDB (Meth PAH's (831 RCRA 8 M Anions) (F (8081 Pesti 8260B (VO
1/1. 12.7.126 SON, 1 Surface Compleo-H.	(m) [x 10)	×.
e: Time: Relinquished by:	Date Ti	na
e: Time: Relinguished by:	Received by: Date Time	MET ULD VM256HQFEC
7	guntling ortrolls osto	
If necessary, samples submitted to Hall Environmental may be su	bcontracted to other accredited laboratories. This serves as notice of the	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.

Air Bubbles (Y or N)

Turn-Around Time:

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

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

Form C-141 Revised August 8, 2011

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

			Rele	ease Notific	catio	n and Co	orrective A	ction				
						O	PERATOR		⊠ Ini	tial Report		Final Report
Name of Co						Contact: Ste						
		Court, Farmi					No.: 505-326-94					
Facility Na	me: Pritcha	ard Salt Wate	er Dispos	al		Facility Typ	e: Disposal wel	1				
Surface Ow	ner: Feder	al		Mineral C)wner:	Fee			API No	. 30045283	51	
				LOCA	ATIO	N OF RE	LEASE					
Unit Letter C	Section 34	Township 31N	Range 09W	Feet from the 615	North North	/South Line	Feet from the 1,840	East/We West	est Line	County: Sa	n Juan	
		Latit	ude36.	85962°		_ Longitud	e107.7730°					
				NAT	URE	OF REL	EASE					
Type of Rele							Release: 7.0 bbl			Recovered: no		
Source of Re	lease: 2" filt	er basket					lour of Occurrence			Hour of Disc	overy:	September
Was Immedia	ate Notice G	liven?				If YES, To	17, 2016; unknov	vn	17, 2016;	11:00AM		
was minicul	ate Notice o		Yes	No Not Re	equired	11 125, 10	whom:					
By Whom?						Date and H						
Was a Water	course Reac					If YES, Vo	lume Impacting th	he Watero	course.			
			Yes 🛚	No								_
If a Watercou	irse was Imp	oacted, Descri	be Fully.*									
							ter basket leaking ischarging water t			Water was to	collect	t in pump
							found to be plugge					
						from the area	of impact and sub	mitted for	laborato	ry analysis.	Labora	atory results
are attached.	Gypsum wa	is applied to t	ne surrace	and raked in place	æ.							
regulations al public health should their o	l operators a or the environ perations ha	onment. The two failed to a	report an acceptanc dequately	d/or file certain re e of a C-141 repo investigate and re	elease ne rt by the emediate	otifications and e NMOCD made contamination	knowledge and un d perform correct arked as "Final Re on that pose a thre the operator of re	ive action port" doe at to grou	s for rele s not reli and water	eases which neve the opera , surface water	nay end tor of l er, hun	danger liability nan health
federal, state,	or local law	s and/or regu	lations.									
Signature:	Mus M	lu					OIL CONS	SERVA	TION	DIVISIO	N	
Printed Name						Approved by	Environmental Sp	ecialist:			116.0	
Title: Field Er	vironmenta	1 Coordinator				Approval Date	»:	Ex	piration I	Date:		
E-mail Addres	ss: steven.m	oskal@bp.co	m		(Conditions of	Approval:			Attached		
Date: Septem	ber 30, 2016	5	Phor	ne: 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

OrderNo.: 1609C07

September 30, 2016

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

FAX

RE: Pritchard SWD

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,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1609C07

Date Reported: 9/30/2016

Hall Environmental Analysis Laboratory, Inc.

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 Qu	al 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 RAN	GE ORGANIC	S			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 RAI	NGE				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.
- 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 Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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

PQL

1.5

RunNo: 37487

Prep Date: 9/26/2016

Analysis Date: 9/26/2016

SeqNo: 1165802

Units: mg/Kg

Analyte

SPK value SPK Ref Val %REC LowLimit

Qual

Chloride

15.00

RPDLimit

%RPD

95.6

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Value above quantitation range

Reporting Detection Limit

Analyte detected below quantitation limits

Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609C07

30-Sep-16

Client:

BP America

Project: BP Am Pritcha	ard 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	2									
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: PB\$	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		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
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 3 of 6

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

Batch ID: 27783

RunNo: 37554

Client ID: LCSS Prep Date: 9/29/2016

PQL

SeqNo: 1168526

Units: %Rec

Analyte

Analysis Date: 9/29/2016

HighLimit

95.4

RPDLimit Qual

Surr: DNOP Sample ID MB-27783

Result

4.8

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

PBS

130

Prep Date: 9/29/2016

Batch ID: 27783

Analysis Date: 9/29/2016

SeqNo: 1168527

Units: %Rec

Analyte

Result

SPK value SPK Ref Val

100

LowLimit HighLimit %RPD

Qual

%REC

70

130

10.00

5.000

10

Surr: DNOP

SPK value SPK Ref Val %REC LowLimit

%RPD

RPDLimit

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Sample pH Not In Range
- RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609C07

30-Sep-16

Client:

BP America

Project:

Pritchard SWD

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

Sample ID LCS-27657	SampT	SampType: LCS TestCode: EPA N						oline Rang	е	
Client ID: LCSS	Batch	1D: 27	657	F	RunNo: 3	7456				
Prep Date: 9/22/2016	Analysis D	ate: 9/	23/2016	SeqNo: 1164348 U			Units: mg/h	(g		
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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609C07

30-Sep-16

Client:

BP America

Project:

Pritchard SWD

Sample ID MB-27657	Samp	Гуре: МЕ	BLK	Tes	tCode: E										
Client ID: PBS	Batc	Batch ID: 27657 Runh			RunNo: 3	No: 37456									
Prep Date: 9/22/2016	Analysis D	Date: 9/	23/2016	SeqNo: 1164360			Units: mg/K								
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	Samp	Type: LC	S	Tes	PA Method	8021B: Vola	tiles			
Client ID: LCSS	Batcl	h ID: 27	657	F	RunNo: 3	7456				
Prep Date: 9/22/2016	Analysis D	Date: 9/	23/2016	SeqNo: 1164361			Units: mg/k	(g		
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 1609C07-001AM	SampT	ype: MS	3	Tes	8021B: Volat	tiles				
Client ID: Surface Comp@	F	RunNo: 37456								
Prep Date: 9/22/2016	SeqNo: 1164382 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	PK Ref Val %REC LowLimit H		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 1609C07-001AM	tiles									
Client ID: Surface Comp@	F	RunNo: 37456								
Prep Date: 9/22/2016	Analysis D	ate: 9/	23/2016	8	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

Page 6 of 6



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 N	ame:	BP AMER	ICA-Farmingto	on Work	Order Num	ber: 1609	C07			RcptNo	o: 1
Received	d by/dat	te:	15	0	9/00/11	,					
Logged E	Ву:	Michelle	Garcia	9/20/20	16 8:40:00	AM		mi	hul G	nue)	
Complete		Michelle	Garcia	9/21/20	16 3:59:23	РМ		mi	hill G	oneia)	
Reviewed	25.0	Ve o	1/22/16						7		}
Chain o	f Cus	10	4-11-								
			sample bottles	? .		Yes		N	0 🗌	Not Present ☑	
		Custody com				Yes	V	N	0	Not Present	
3. How	was the	sample del	lvered?			Cou	rier			м	
Log In					4						
4. Was	an atte	mpt made to	cool the same	ples?		Yes	V	N	0	NA 🗆	
5. Were	all san	nples receive	ed at a temper	ature of >0° (C to 6.0°C	Yes	V	No		NA 🗆	
6. Samp	ole(s) in	proper con	tainer(s)?			Yes	V	N	o 🗆		
7. Suffic	ient sar	mple volume	for indicated t	est(s)?		Yes	V	. No			
8. Are sa	amples	(except VO	A and ONG) pr	operly presen	ved?	Yes	V	No			
9. Was p	oreserv	ative added	to bottles?			Yes		No	V	NA 🗆	
10.VOA	vials ha	ve zero head	dspace?	*		Yes		No		No VOA Vials	
11. Were	any sa	mple contair	ners received t	oroken?		Yes		No	V	# of preserved	
										bottles checked	
The state of the s		ork match b	ottle labels? nain of custody	٨		Yes	V	No		for pH:	or >12 unless noted)
	0.00		ntified on Chai		>	Yes	V	No		Adjusted?	
W. C. L.			vere requested			Yes	v	No			
		The second second second	le to be met?			Yes	V	. No		Checked by:	
(if no,	notify o	customer for	authorization.)								
Special I	Handl	ing (if ap	olicable)								
			iscrepancies w	ith this order	?	Yes		No		NA 🗹	
F	Person	Notified:		COLUMN TO A	Date		-	-	-		
E	By Who	m:			Via:	eMa	ii 🖂	Phone [Fax	In Person	
F	Regardi	ing:		OFFI COMPANY					-		
	Client Ir	structions:									
17. Additio	onal rer	marks:									_
18. Coole	r Infor	mation									*1
	oler No	Temp °C		Seal Intact	Seal No	Seal Da	te	Signed	Ву		
1		1.8	Good	Yes							

C	hain-	of-Cu	stody Record	Turn-Around Time:							IAI	1	=	NI W	TO	0	NI IN	AER	NTA	A H	
nt:	BP f	meric	ra Production Co	Standard	□ Rush														TO		•
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E	om.	men tou	Um 87501	Project #:					1. 50	5-34	5-39	975	F	ax :	505-	345-	4107	<i>t</i>			
ne #	t: 505	(33)	79/79	7								A	naly	sis	Req	uest					
ail or	Fax#:	tern.	mosta 10 bp.com	Project Mana	ger:			(yl	0					34)							
	Package:	•	□ Level 4 (Full Validation)	Have	, mosk	70	s (8021	(Gas o	30 / MF			SIMS)		PO4,8(PCB's						
redi	tation						MB,	PH	10	=	=	20.5		φ 2	082				ł		
NELA	AP	☐ Othe	er	Sampler: U / U On Ice: Yes No				<u>+</u>	20	18.	04.	82		3,4	8/8		(¥	- 1			Or >
EDD (Type)				Sample Temperature					(G)	bd 4	od 5	0 0	stals	Ž	ide	(A	9				ح
эtе	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	M m/	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions)(F.CJNO3,NO2,PO4,SO4)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
3/16	RUSTP	802!	Enface comploy"	407 x1	C001	001	X		X					X.							
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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.

