

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: Gallegos Canyon Unit 327	Facility Type: Natural Gas Well

Surface Owner: Private	Mineral Owner: Private	API No. 3004524617
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#### LOCATION OF RELEASE

Unit Letter H	Section 36	Township 29N	Range 13W	Feet from the 1,585	North/South Line North	Feet from the 960	East/West Line East	County: San Juan
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Latitude 36.68581° Longitude -108.1519°

#### NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 5.5 bbl	Volume Recovered: none
Source of Release: Pump jack packing	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 7/24/2014; 11:50 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3

OCT 10 2017

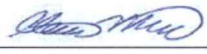

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* Packing leak discovered on pumping unit. Well was shut in and packing was replaced.

Describe Area Affected and Cleanup Action Taken.\* Spill remained on location and contained to bermed area at edge of location. Spill was raked in with gypsum. Subsequent sampling indicated elevated chloride levels that will be addressed at the end of life of the well during final reclamation. Attached is a field report and lab results.

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: Steve Moskal	Approval Date: 10/31/2017	Expiration Date:
Title: Field Environmental Coordinator	Conditions of Approval:	Attached <input type="checkbox"/>
E-mail Address: steven.moskal@bp.com		
Date: September 18, 2017	Phone: 505-326-9497	

\* Attach Additional Sheets If Necessary

NCS1724331201

## Fields, Vanessa, EMNRD

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**From:** Smith, Cory, EMNRD  
**Sent:** Thursday, August 31, 2017 8:49 AM  
**To:** Moskal, Steven  
**Cc:** Fields, Vanessa, EMNRD; Nelson Velez (blagg\_njv@yahoo.com)  
**Subject:** RE: GCU 327

Steve,

Correction to the below statement, Courtney indicated that the release originated from a packing leak from the wellhead and stayed on location. As per Nelsons and I conversation a general area composite sample of the area around the wellhead will be sufficient. I will sign the old C-141 and check mark "initial" the following conditions of approval will be attached.

- Sample area for TPH, BTEX, and Chlorides.
- Submit Final C-141 with laboratory results.

The incident number will be #ncs1724331201 if you have any questions please give me a call thank you for following up on this old spill.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

**From:** Moskal, Steven [<mailto:Steven.Moskal@bp.com>]  
**Sent:** Tuesday, August 29, 2017 3:38 PM  
**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>  
**Cc:** Fields, Vanessa, EMNRD <[Vanessa.Fields@state.nm.us](mailto:Vanessa.Fields@state.nm.us)>  
**Subject:** RE: GCU 327

Unfortunately, we have no information or data regarding this event.

Steve Moskal  
BP Lower 48 – San Juan  
Field Environmental Coordinator  
Phone: (505) 330-9179



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**From:** Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]  
**Sent:** Thursday, August 24, 2017 3:41 PM  
**To:** Moskal, Steven  
**Cc:** Fields, Vanessa, EMNRD  
**Subject:** GCU 327

Steve,

I have a compliance issue back from 2014 in regards to a Produced Water spill at the Gallegos Canyon Unit 327 30-045-24617. The spill was on 7/24/14 for 5.5 BBL of PW, Courtney sent in a C-141 on 7/29/14. According to my notes I had requested some lab samples as the C-141 just mentioned that the area was ranked. I believe this was about the time Courtney was being transferred and this may have slipped by. Any chance BP has any paper work on this site other than the initial C-141?

Thanks,

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)



## BP - GCU 327

(H) Section 36, T29N, R13W  
API #: 3004524617

Imagery date: 2017 Google  
WH GPS Coord.: 36.686082,-108.151898

WH

Google earth

© 2017 Google



200 ft



## BP - GCU 327

(H) Section 36, T29N, R13W  
API #: 3004524617

Imagery date: 3/15/2015  
WH GPS Coord.: 36.686053,-108.151870

WH

Edge of location berm

Google earth

40 ft

N



CLIENT: <b>BP</b>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	API #: <b>3004524617</b> TANK ID (if applicable): <b>NA</b>
<b>FIELD REPORT:</b> (circle one): <u>BGT CONFIRMATION</u> / RELEASE INVESTIGATION / OTHER:		PAGE #: <b>1</b> of <b>1</b>
<b>SITE INFORMATION:</b> SITE NAME: <b>GCU # 327</b> QUAD/UNIT: <b>H</b> SEC: <b>36</b> TWP: <b>29N</b> RNG: <b>13W</b> PM: <b>NM</b> CNTY: <b>SJ</b> ST: <b>NM</b> 1/4 - 1/4/FOOTAGE: <b>1,585'N / 960'E</b> <b>SE/NE</b> LEASE TYPE: FEDERAL <u>STATE</u> FEE / INDIAN LEASE #: <b>-</b> PROD. FORMATION: <b>PC</b> CONTRACTOR: <b>-</b>		DATE STARTED: <b>09/01/17</b> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST(S): <b>NJV</b>
<b>REFERENCE POINT:</b> WELL HEAD (W.H.) GPS COORD.: <b>36.686053 X 108.151870</b> GL ELEV.: <b>5,426'</b>		
1) <b>BERM PERPENDICULAR TO PUMP JACK</b> GPS COORD.: <b>36.686131 X 108.151956</b> DISTANCE/BEARING FROM W.H.: <b>38.5', N41.5W</b> 2) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____ 3) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____ 4) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____		
<b>SAMPLING DATA:</b> CHAIN OF CUSTODY RECORD(S) # OR LAB USED: <b>HALL</b>		OVM READING (ppm) <b>NA</b>
1) SAMPLE ID: <b>5PC - GS @ 4" - 6"</b> SAMPLE DATE: <b>09/01/17</b> SAMPLE TIME: <b>1050</b> LAB ANALYSIS: <b>8015B/8021B/300.0 (CI)</b> 2) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____ 3) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____ 4) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____ 5) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		
<b>SOIL DESCRIPTION:</b> SOIL TYPE: <u>SAND</u> SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <b>DARK YELLOWISH ORANGE</b> PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD CONSISTENCY (NON COHESIVE SOILS): LOOSE <u>FIRM</u> DENSE / VERY DENSE HC ODOR DETECTED: YES <u>NO</u> EXPLANATION - _____ MOISTURE: <u>DRY</u> <u>SLIGHTLY MOIST</u> MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB <u>COMPOSITE</u> # OF PTS. <b>5</b> ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - _____ DISCOLORATION/STAINING OBSERVED: YES <u>NO</u> EXPLANATION - _____		
<b>SITE OBSERVATIONS:</b> LOST INTEGRITY OF EQUIPMENT: YES <u>NO</u> EXPLANATION - _____ APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES <u>NO</u> EXPLANATION: _____ EQUIPMENT SET OVER RECLAIMED AREA: YES <u>NO</u> EXPLANATION - _____ OTHER: <b>TOP 3 INCHES OF GROUND SURFACE HARDEN BY HIGH TEMPERATURE SUN EXPOSURE. NMOCD REP. NOT PRESENT TO WITNESS SAMPLING.</b>		
EXCAVATION DIMENSION ESTIMATION: <b>NA</b> ft. X <b>NA</b> ft. X <b>NA</b> ft. EXCAVATION ESTIMATION (Cubic Yards): <b>NA</b> DEPTH TO GROUNDWATER: <b>&lt;50'</b> NEAREST WATER SOURCE: <b>&gt;1,000'</b> NEAREST SURFACE WATER: <b>&lt;1,000'</b> NMOCD TPH CLOSURE STD: <b>100</b> ppm		
<b>SITE SKETCH</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>BGT Located : off <u>on</u> site</p> <p style="text-align: center;">① X - S.P.D.</p> </div> <div style="width: 35%; border: 1px solid black; padding: 5px;"> <p>PLOT PLAN circle: <u>attached</u></p> <p>OVM CALIB. READ. = <b>NA</b> ppm RF=0.52</p> <p>OVM CALIB. GAS = <b>NA</b> ppm</p> <p>TIME: <b>NA</b> am/pm DATE: <b>NA</b></p> </div> </div>		
<div style="display: flex;"> <div style="width: 65%;"> <p><b>NOTES:</b> BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA = NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.</p> </div> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p style="text-align: center;"><b>MISCELL. NOTES</b></p> <p>WO: _____</p> <p>REF #: _____</p> <p>VID: <b>VMOS6HQFEC</b></p> <p>SIO #: <b>7685</b></p> <p>Permit date(s): <b>NA</b></p> <p>OCD Appr. date(s): <b>NA</b></p> <p>Tank ID: _____ OVM = Organic Vapor Meter ppm = parts per million</p> <p>BGT Sidewalls Visible: Y / N</p> <p>BGT Sidewalls Visible: Y / N</p> <p>BGT Sidewalls Visible: Y / N</p> <p>Magnetic declination: <b>10° E</b></p> </div> </div>		
NOTES: <b>GOOGLE EARTH IMAGERY DATE: 3/15/2015.</b> ONSITE: <b>09/01/17</b>		

## Analytical Report

Lab Order 1709279

Date Reported: 9/14/2017

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Blagg Engineering

Client Sample ID: 5PC-GS @ 4"-6"

Project: GCU 327

Collection Date: 9/1/2017 10:50:00 AM

Lab ID: 1709279-001

Matrix: SOIL

Received Date: 9/2/2017 12:50:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	690	30		mg/Kg	20	9/13/2017 4:18:31 PM	33825
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/9/2017 12:01:03 AM	33745
Surr: BFB	87.6	70-130		%Rec	1	9/9/2017 12:01:03 AM	33745
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/8/2017 9:35:18 AM	33747
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/8/2017 9:35:18 AM	33747
Surr: DNOP	93.9	70-130		%Rec	1	9/8/2017 9:35:18 AM	33747
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.023		mg/Kg	1	9/9/2017 12:01:03 AM	33745
Toluene	ND	0.046		mg/Kg	1	9/9/2017 12:01:03 AM	33745
Ethylbenzene	ND	0.046		mg/Kg	1	9/9/2017 12:01:03 AM	33745
Xylenes, Total	ND	0.092		mg/Kg	1	9/9/2017 12:01:03 AM	33745
Surr: 1,2-Dichloroethane-d4	124	70-130		%Rec	1	9/9/2017 12:01:03 AM	33745
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	9/9/2017 12:01:03 AM	33745
Surr: Dibromofluoromethane	124	70-130		%Rec	1	9/9/2017 12:01:03 AM	33745
Surr: Toluene-d8	96.1	70-130		%Rec	1	9/9/2017 12:01:03 AM	33745

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

<b>Qualifiers:</b>	*	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
	PQL	Practical Quantitative Limit	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#: 1709279

14-Sep-17

Client: Blagg Engineering

Project: GCU 327

Sample ID	MB-33825		SampType: mblk		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 33825		RunNo: 45622					
Prep Date:	9/12/2017		Analysis Date: 9/13/2017		SeqNo: 1447246		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-33825		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 33825		RunNo: 45622					
Prep Date:	9/12/2017		Analysis Date: 9/13/2017		SeqNo: 1447247		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	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  
PQL Practical Quantitative Limit  
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#: 1709279

14-Sep-17

Client: Blagg Engineering

Project: GCU 327

Sample ID	<b>MB-33747</b>		SampType:	<b>MBLK</b>		TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>			
Client ID:	<b>PBS</b>		Batch ID:	<b>33747</b>		RunNo:	<b>45495</b>			
Prep Date:	<b>9/7/2017</b>		Analysis Date:	<b>9/8/2017</b>		SeqNo:	<b>1442120</b>	Units:	<b>mg/Kg</b>	
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	9.8		10.00		98.3	70	130			

Sample ID	<b>LCS-33747</b>		SampType:	<b>LCS</b>		TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>			
Client ID:	<b>LCSS</b>		Batch ID:	<b>33747</b>		RunNo:	<b>45495</b>			
Prep Date:	<b>9/7/2017</b>		Analysis Date:	<b>9/8/2017</b>		SeqNo:	<b>1442271</b>	Units:	<b>mg/Kg</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	73.2	114			
Surr: DNOP	4.5		5.000		89.7	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  
PQL Practical Quantitative Limit  
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#: 1709279

14-Sep-17

Client: Blagg Engineering

Project: GCU 327

Sample ID	mb-33745		SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	PBS		Batch ID: 33745		RunNo: 45532					
Prep Date:	9/7/2017		Analysis Date: 9/8/2017		SeqNo: 1443300		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: 1,2-Dichloroethane-d4	0.65		0.5000		130	70	130			
Surr: 4-Bromofluorobenzene	0.42		0.5000		84.4	70	130			
Surr: Dibromofluoromethane	0.62		0.5000		124	70	130			
Surr: Toluene-d8	0.49		0.5000		97.2	70	130			

Sample ID	lcs-33745		SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS		Batch ID: 33745		RunNo: 45532					
Prep Date:	9/7/2017		Analysis Date: 9/8/2017		SeqNo: 1443301		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	117	70	130			
Toluene	0.89	0.050	1.000	0	89.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.62		0.5000		124	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.4	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.48		0.5000		95.2	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  
PQL Practical Quantitative Limit  
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#: 1709279

14-Sep-17

Client: Blagg Engineering

Project: GCU 327

Sample ID	mb-33745	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	33745	RunNo:	45532					
Prep Date:	9/7/2017	Analysis Date:	9/8/2017	SeqNo:	1443325	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	430		500.0		86.2	70	130			

Sample ID	lcs-33745	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	33745	RunNo:	45532					
Prep Date:	9/7/2017	Analysis Date:	9/8/2017	SeqNo:	1443326	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.5	70	130			
Surr: BFB	450		500.0		90.0	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  
PQL Practical Quantitative Limit  
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: BLAGG

Work Order Number: 1709279

RcptNo: 1

Received By: Andy Freeman

9/2/2017 12:50:00 PM

Completed By: Ashley Gallegos

9/6/2017 7:05:38 PM

Reviewed By:

09/07/17

### 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  $6.0^{\circ}\text{C}$ ? 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good	Yes			



Chain-of-Custody Record		Turn-Around Time:
Client: <b>BLAGG ENGR. / BP AMERICA</b>	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
	Project Name:	
Mailing Address: <b>P.O. BOX 87</b>		<b>GCU # 327</b>
<b>BLOOMFIELD, NM 87413</b>	Project #:	
Phone #: <b>(505) 632-1199</b>		
email or Fax#:	Project Manager:	
QA/QC Package:		<b>NELSON VELEZ</b>
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		
Accreditation:	Sampler: <b>NELSON VELEZ</b>	77
<input type="checkbox"/> NELAP <input type="checkbox"/> Other	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type)	Sample Temperature: <b>4.6°C</b>	

☒ Standard ☐ Rush

GCU # 327

Project #:

Project Manager:

**NELSON VELEZ**

**Sampler:** NELSON VELEZ

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.6 °C

[illegible]

Date: 9/1/17	Time: 1551	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date 9/1/17	Time 1551
Date: 1/1/17	Time: 1821	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date 9/2/17	Time 1250

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

✓	BTEX + MTBE + TMB's (8021B)
	BTEX + MTBE + TPH (Gas only)
✓	TPH 8015B (GRO / DRO / MRO)
	TPH (Method 418.1)
	EDB (Method 504.1)
	PAH (8310 or 8270S/MS)
	RCRA 8 Metals
	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
	8081 Pesticides / 8082 PCB's
	8260B (VOA)
	8270 (Semi-VOA)
✓	Chloride (soil - 300.0 / water - 300.1)
	Grab sample
✓	5 pt. composite sample
	Air Bubbles (Y or N)

Remarks:	BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE:
----------	--

**CONTACT: STEVE MOSKAL**

VID: VMOS6HQFEC

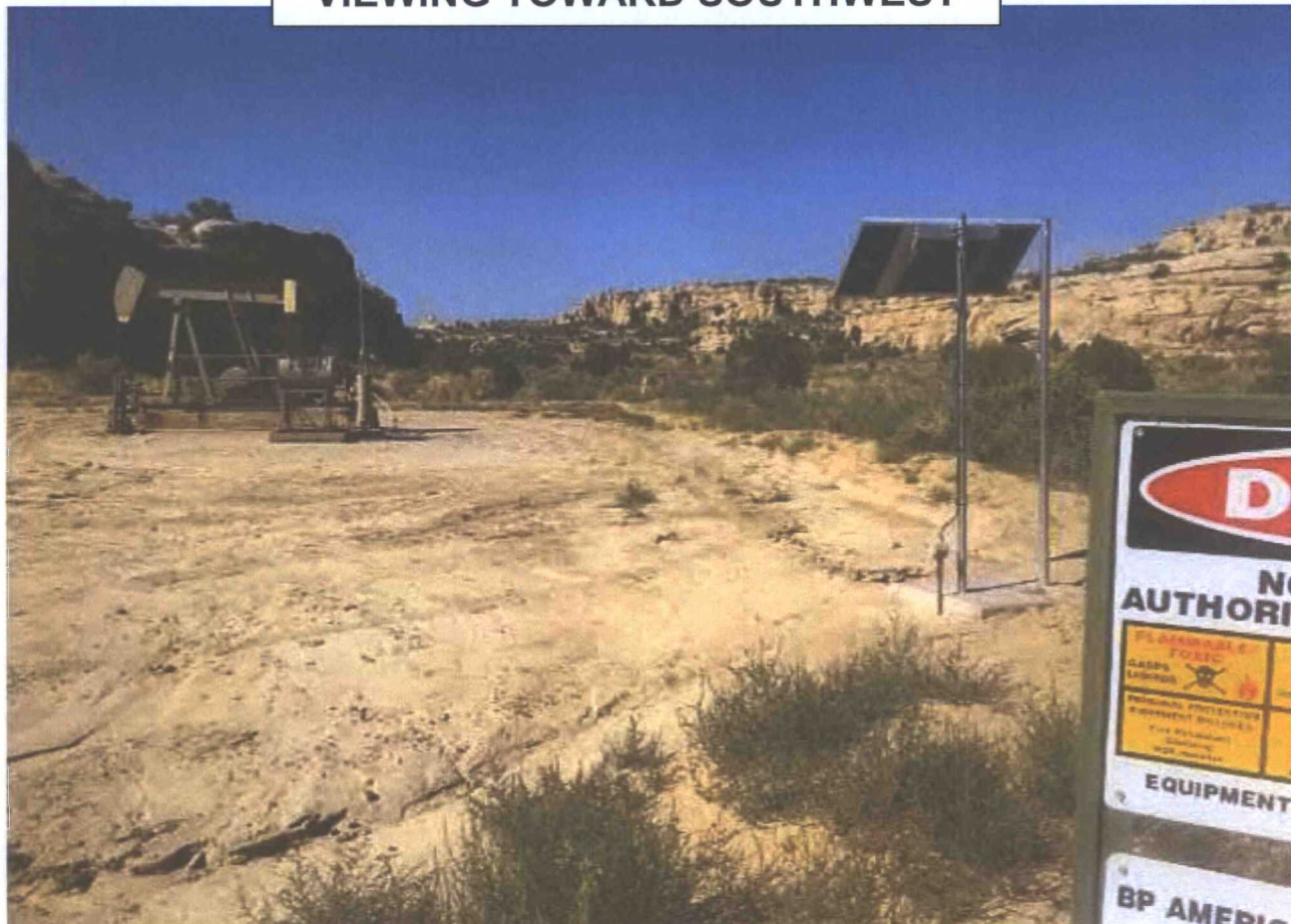
SIO # 7685

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.



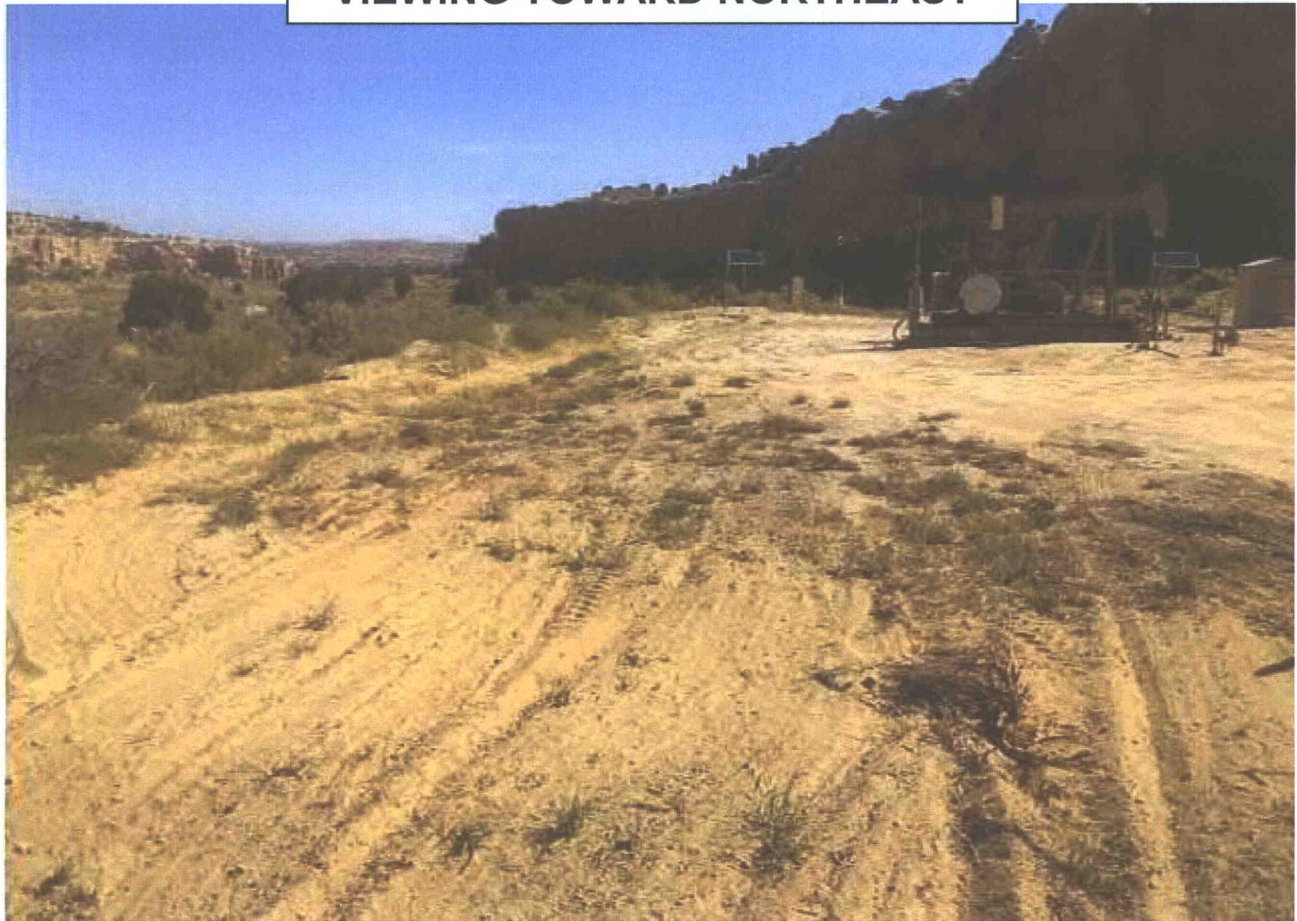


**VIEWING TOWARD SOUTHWEST**





**VIEWING TOWARD NORTHEAST**



**SAMPLE POINT #1**

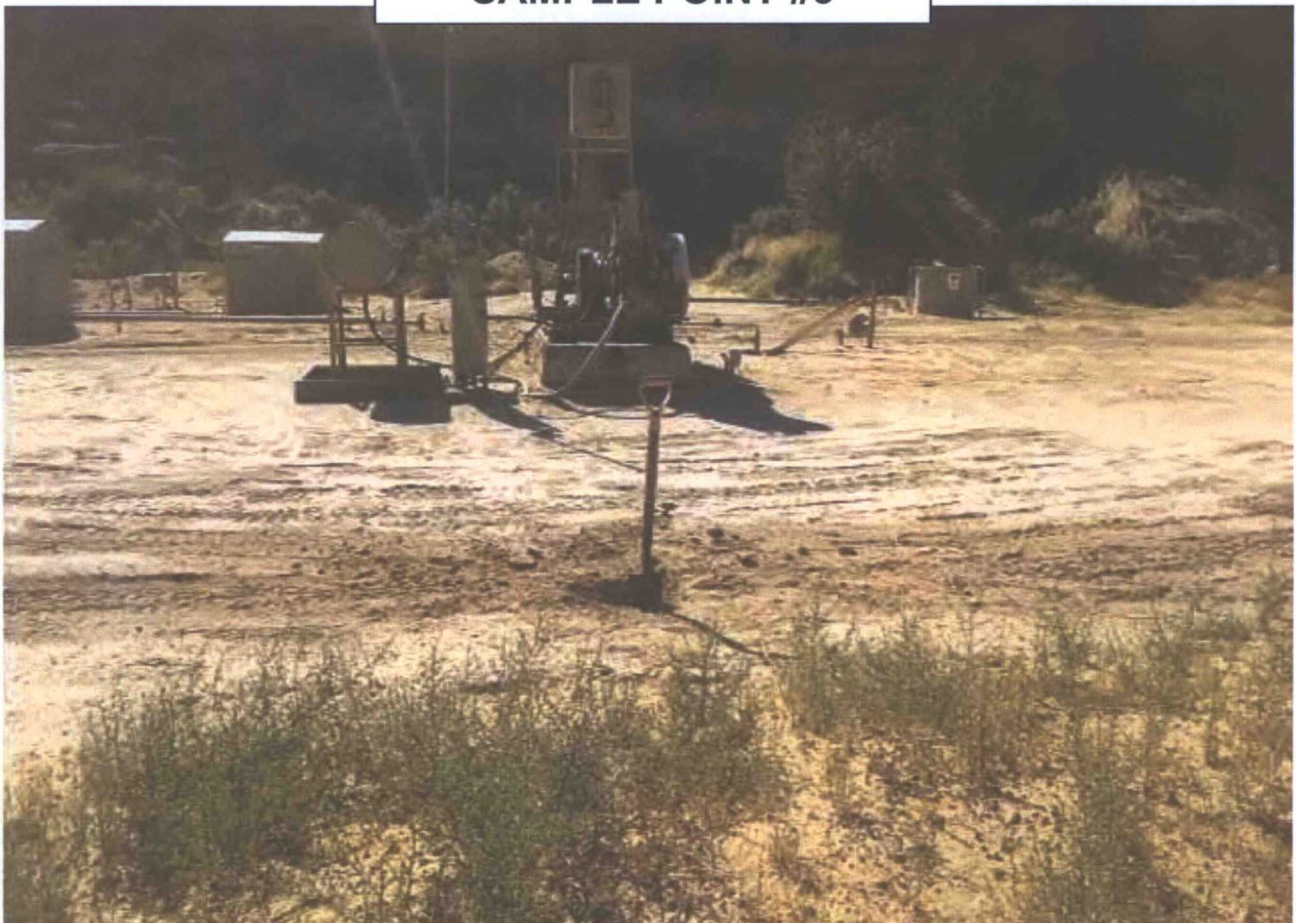




**SAMPLE POINT #2**

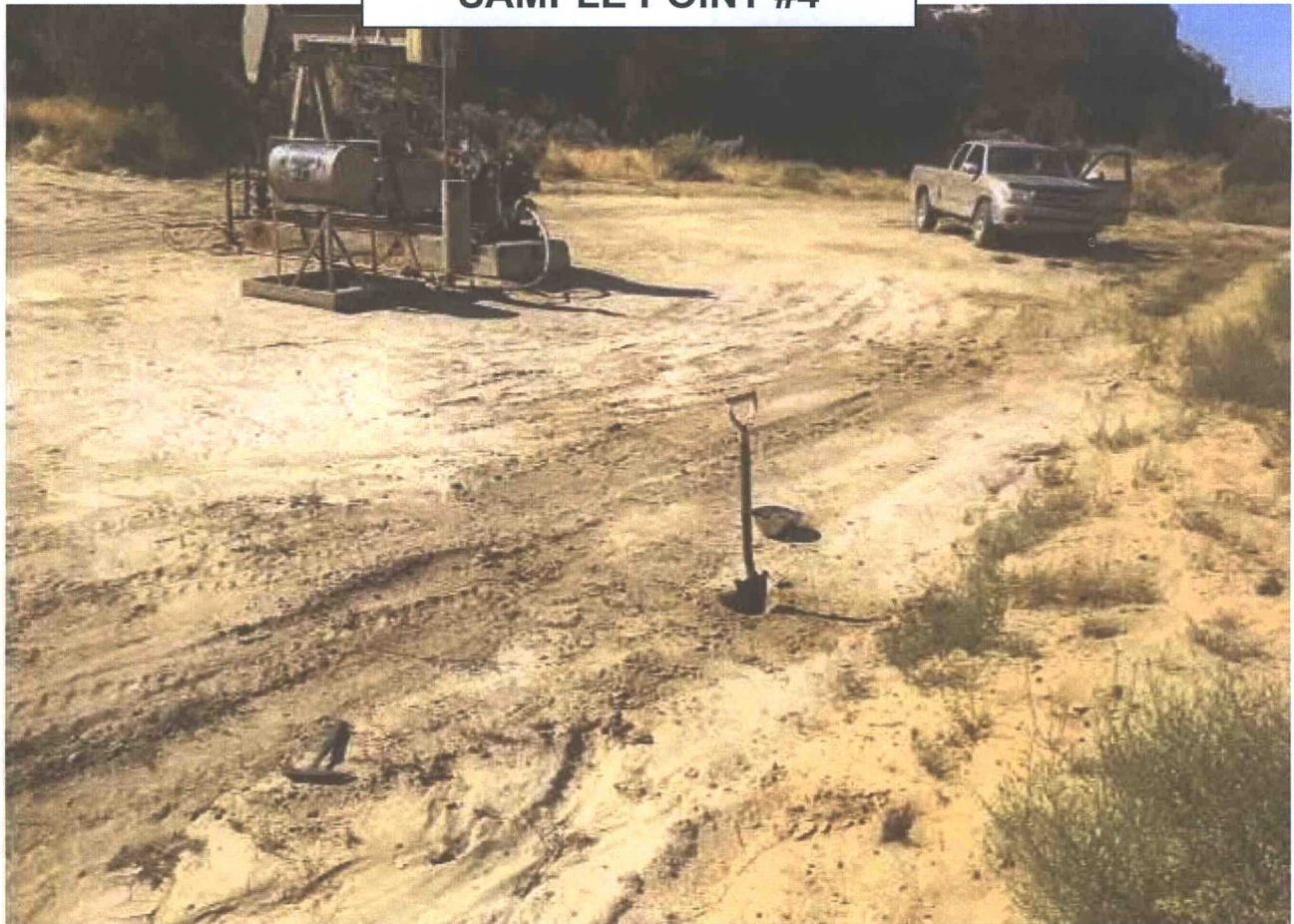


**SAMPLE POINT #3**





**SAMPLE POINT #4**



**SAMPLE POINT #5**

