

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: Jeff Peace	PCUP AUG 29 '14
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479	OIL CONS. DIV.
Facility Name: Roelofs B 2	Facility Type: Natural gas well	DIST. 2

Surface Owner: BLM	Mineral Owner: Fee	API No. 3004508371
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LOCATION OF RELEASE

Unit Letter B	Section 15	Township 29N	Range 8W	Feet from the 990	North/South Line North	Feet from the 1659	East/West Line East	County: San Juan
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Latitude 36.729947 Longitude 107.660877

NATURE OF RELEASE


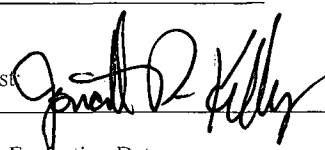
Type of Release: condensate/oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: possibly old dehy pit-hydrocarbon impacts found during trenching for compressor replacement	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: November 12, 2013; 11:00 AM
Was Immediate Notice 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.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* During trenching operations to install a compressor impacted soil was discovered. Historical documents indicate a dehy pit was backfilled in the same location. Sandstone bedrock exists between depths of 3' and 8'. Initial soil lab analysis resulted in TPH of 350 ppm for DRO and 210 ppm for GRO, for a total of 560 ppm TPH. Closure standard is 1,000 ppm TPH. Blagg Engineering field report and lab analysis report are attached.

Describe Area Affected and Cleanup Action Taken.*

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: Jeff Peace	Approved by Environmental Specialist: 	
Title: Field Environmental Advisor	Approval Date: 11/12/2014	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 15, 2013	Phone: 505-326-9479	

* Attach Additional Sheets If Necessary

NSK 1431653643

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CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004508371 TANK ID (if applicable): NA
FIELD REPORT: (circle one): BGT CONFIRMATION / <u>RELEASE INVESTIGATION</u> / OTHER:		PAGE #: 1 of 1
SITE INFORMATION: SITE NAME: ROELOFS B #2 QUAD/UNIT: B SEC: 15 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM 1/4-1/4 FOOTAGE: 900'N / 1,650'E NW/NE LEASE TYPE: <u>FEDERAL</u> / STATE / FEE / INDIAN LEASE #: SF 078415 PROD. FORMATION: MV CONTRACTOR: ELKHORN MBF - D. FIELDSTED		DATE STARTED: 11/12/13 DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST(S): NJV
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.729947 X 107.660877 GL ELEV.: 6'329'		
1) ① (see site sketch below) GPS COORD.: 36.729838 X 107.660722 DISTANCE/BEARING FROM WH: 59', S66E 2) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____ 3) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____ 4) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____		
SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL		OVM READING (ppm) 505
1) SAMPLE ID: ① @ 6'-ABAN. DEHY. PIT SAMPLE DATE: 11/12/13 SAMPLE TIME: 1206 LAB ANALYSIS: 8015B, 8021B 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: _____		
SOIL DESCRIPTION: SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / <u>SILTY CLAY</u> / CLAY / GRAVEL / <u>OTHER</u> / BEDROCK (SANDSTONE) SOIL COLOR: MOSTLY PALE YELLOWISH BROWN COHESION (ALL OTHERS): NON COHESIVE / <u>SLIGHTLY COHESIVE</u> / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>FIRM</u> / DENSE / VERY DENSE MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. NA DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - TRENCHES SHOW AREA APPROX. 40' X 30' (MEDIUM TO DARK MEDIUM GRAY).		PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - DISCOLORED SOIL SAMPLED.
ANY AREAS DISPLAYING WETNESS: YES / <u>NO</u> EXPLANATION - _____ APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <u>YES</u> / NO EXPLANATION: DISCOLORATION & HYDROCARBON ODOR. ADDITIONAL COMMENTS: HISTORICAL DOCUMENTS RECORDED DEHY. PIT IN SAME LOCATION. BACKFILLED BETWEEN 1998-2005 BEDROCK DEPTHS VARIES BETWEEN 3-8 FT. BELOW GRADE.		
SOIL IMPACT DIMENSION ESTIMATION: 40 ft. X 30 ft. X 8 ft. IMPACT ESTIMATION (Cubic Yards): 350 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOC DTPH CLOSURE STD: 1,000 ppm		
SITE SKETCH		PLOT PLAN circle: <u>attached</u>
		OVM CALIB. READ. = 524 ppm RF = 0.52 OVM CALIB. GAS = 100 ppm TIME: 12:11 am/pm DATE: 11/12/13
NOTES: 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; PBGT.L. = 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.		MISCELL. NOTES WO: N15360847 PO #: 4300203136 PK: _____ PJ #: _____ Permit date(s): NA OCD Appr. date(s): NA Tank ID: _____ OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
NOTES: GOOGLE EARTH: IMAGERY DATE: 05/02/13 ONSITE: 11/12/13		

Analytical Report

Lab Order 1311502

Date Reported: 11/14/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 1 @ 6'-Abandoned Dehy Pit

Project: Roelofs B # 2

Collection Date: 11/12/2013 12:06:00 PM

Lab ID: 1311502-001

Matrix: MEOH (SOIL)

Received Date: 11/13/2013 9:47:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	350	9.9		mg/Kg	1	11/13/2013 11:45:12 AM	10315
Surr: DNOP	99.3	66-131		%REC	1	11/13/2013 11:45:12 AM	10315
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	210	25		mg/Kg	5	11/13/2013 11:32:44 AM	R14768
Surr: BFB	275	74.5-129	S	%REC	5	11/13/2013 11:32:44 AM	R14768
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	11/13/2013 11:32:44 AM	R14768
Toluene	ND	0.25		mg/Kg	5	11/13/2013 11:32:44 AM	R14768
Ethylbenzene	0.58	0.25		mg/Kg	5	11/13/2013 11:32:44 AM	R14768
Xylenes, Total	9.5	0.50		mg/Kg	5	11/13/2013 11:32:44 AM	R14768
Surr: 4-Bromofluorobenzene	124	80-120	S	%REC	5	11/13/2013 11:32:44 AM	R14768

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1311502

14-Nov-13

Client: Blagg Engineering

Project: Roelofs B # 2

Sample ID	MB-10315	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10315	RunNo:	14753					
Prep Date:	11/13/2013	Analysis Date:	11/13/2013	SeqNo:	424980	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.6		10.00		85.9	66	131			

Sample ID	LCS-10315	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	10315	RunNo:	14753					
Prep Date:	11/13/2013	Analysis Date:	11/13/2013	SeqNo:	425003	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.9	62.1	127			
Surr: DNOP	4.3		5.000		85.7	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1311502

14-Nov-13

Client: Blagg Engineering

Project: Roelofs B # 2

Sample ID	MB-10303 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R14768	RunNo:	14768					
Prep Date:		Analysis Date:	11/13/2013	SeqNo:	425628	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	910		1000		91.5	74.5	129			

Sample ID	LCS-10303 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R14768	RunNo:	14768					
Prep Date:		Analysis Date:	11/13/2013	SeqNo:	425629	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	74.5	126			
Surr: BFB	970		1000		96.9	74.5	129			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1311502

14-Nov-13

Client: Blagg Engineering

Project: Roelofs B # 2

Sample ID	MB-10303 MK		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	R14768		RunNo:	14768			
Prep Date:			Analysis Date:	11/13/2013		SeqNo:	425652	Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID	LCS-10303 MK		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	R14768		RunNo:	14768			
Prep Date:			Analysis Date:	11/13/2013		SeqNo:	425653	Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	97.2	80	120			
Toluene	1.0	0.050	1.000	0	99.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| 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 |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



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: **1311502**

RcptNo: **1**

Received by/date:	<i>ALG</i>	<i>11/13/13</i>
Logged By:	Lindsay Mangin	11/13/2013 9:47:00 AM <i>Lindsay Mangin</i>
Completed By:	Lindsay Mangin	11/13/2013 9:49:40 AM <i>Lindsay Mangin</i>
Reviewed By:	<i>IO</i>	<i>11/13/13</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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

