

CLIENT: **BP** **BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199 API #: **3004511772**
 TANK ID (if applicable): **NA**

FIELD REPORT: (circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:
PRODUCED WATER RELEASE FROM PRODUCTION TANK PAGE #: **1** of **1**

SITE INFORMATION: SITE NAME: **MANSFIELD # 3** DATE STARTED: **01/20/16**
 QUAD/UNIT: **P** SEC: **19** TWP: **30N** RNG: **9W** PM: **NM** CNTY: **SJ** ST: **NM** DATE FINISHED:
 1/4 -1/4/FOOTAGE: **990'S / 990'E** **NE/SE** LEASE TYPE: FEDERAL / STATE / FEE / INDIAN
 LEASE #: **SF076934** PROD. FORMATION: **PC** CONTRACTOR:

REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: **36.792794 X 107.815893** GL ELEV.: **6,111'**
 1) **PRODUCTION TANK** GPS COORD.: **36.792922 X 107.815722** DISTANCE/BEARING FROM W.H.: **68', N47E**
 2) GPS COORD.: DISTANCE/BEARING FROM W.H.:
 3) GPS COORD.: DISTANCE/BEARING FROM W.H.:
 4) GPS COORD.: DISTANCE/BEARING FROM W.H.:

SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **HALL** OVM READING (ppm) **6.9**
 1) SAMPLE ID: **5PC-PTR @ 4" - 12"** SAMPLE DATE: **01/20/16** SAMPLE TIME: **1120** LAB ANALYSIS: **8015B/8021B/ 300.0 (CI)**
 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:

SOIL DESCRIPTION: SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
 SOIL COLOR: **MODEERATE BROWN** PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
 COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
 CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM DENSE / VERY DENSE HC ODOR DETECTED: YES NO EXPLANATION -
 MOISTURE: DRY / SLIGHTLY MOIST / MOIST WET SATURATED / SUPER SATURATED
 SAMPLE TYPE: GRAB COMPOSITE # OF PTS. **5** ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION - **RECENT SNOW MELT.**
 DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION -

SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION - **OPENING NEAR TANK BASE ASSUMED DUE TO CORROSION.**
 APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / NO EXPLANATION: **PREVIOUSLY REPORTED IN JULY 2015.**
 EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - **UNKNOWN STATUS OF RECLAMATION OR POSITIONING OF FUTURE EQUIPMENT.**
 OTHER:

SOIL IMPACT DIMENSION ESTIMATION: **?** ft. X **?** ft. X **?** ft. IMPACTED SOIL ESTIMATION (Cubic Yards): **?**
 DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **<1,000'** NMOCD TPH CLOSURE STD: **1,000** ppm

SITE SKETCH BGT Located : off / on site PLOT PLAN circle: attached

OVM CALIB. READ. = **53.6** ppm RF=0.52
 OVM CALIB. GAS = **100** ppm
 TIME: **11:30** am/pm DATE: **01/20/16**

MISCELL. NOTES
 WO:
 REF. #:
 VID: **VMOS6HQFEC**
 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: 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.

NOTES: **GOOGLE EARTH IMAGERY DATE: 3/15/2015.** ONSITE: **01/20/16**

BP - Mansfield 003

(P) Sec. 19, T30N, R9W
API #: 300-45-11772

Imagery date: 3/15/2015.

WH



200 ft

BP - Mansfield 003

(P) Sec. 19, T30N, R9W
API #: 300-45-11772

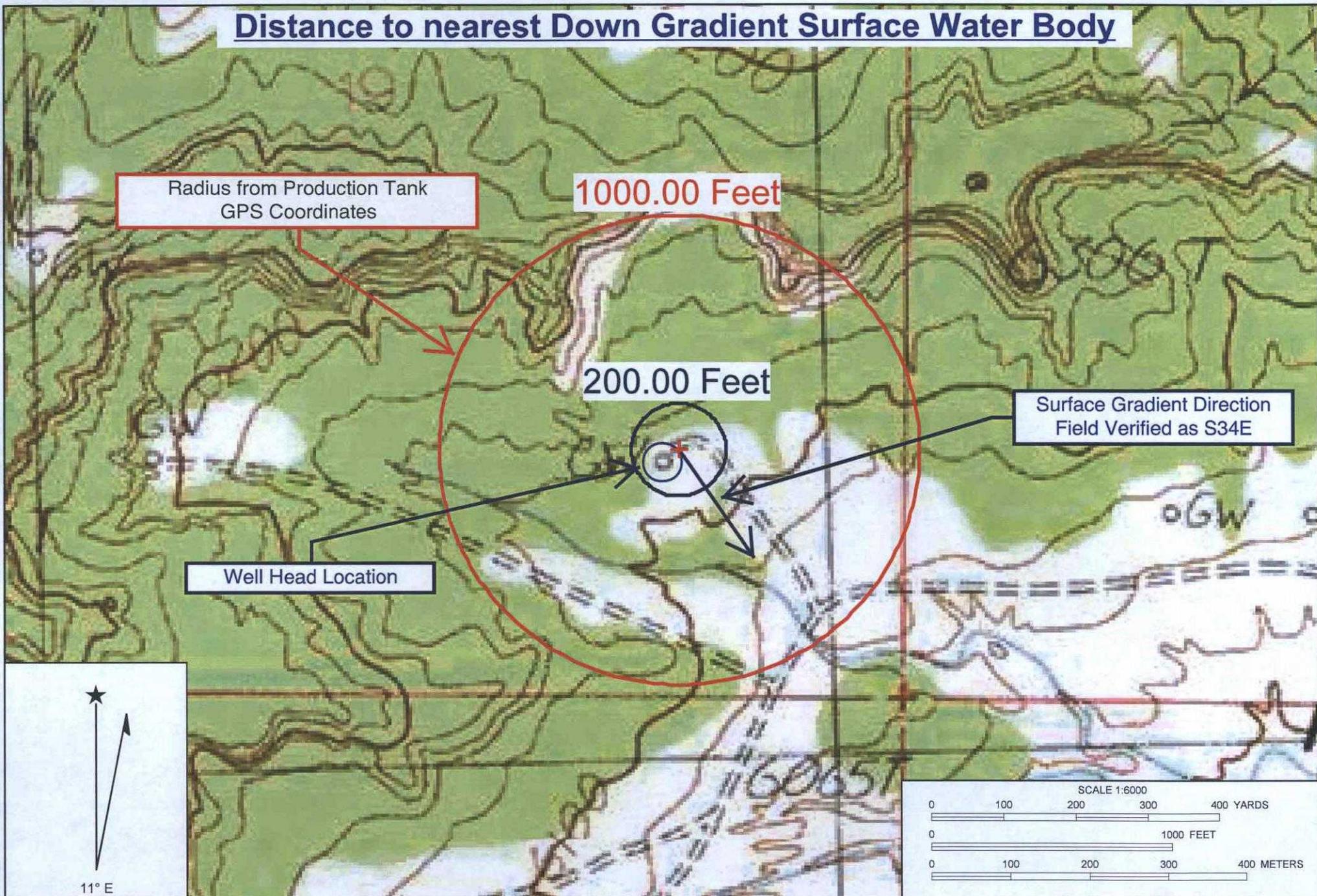
Imagery date: 3/15/2015

Sample Point Designation.
Depths to range from 4 to 12 inches
below ground surface

WH 



Distance to nearest Down Gradient Surface Water Body



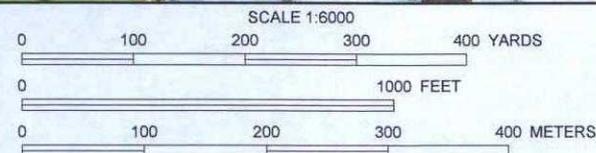
Radius from Production Tank
GPS Coordinates

1000.00 Feet

200.00 Feet

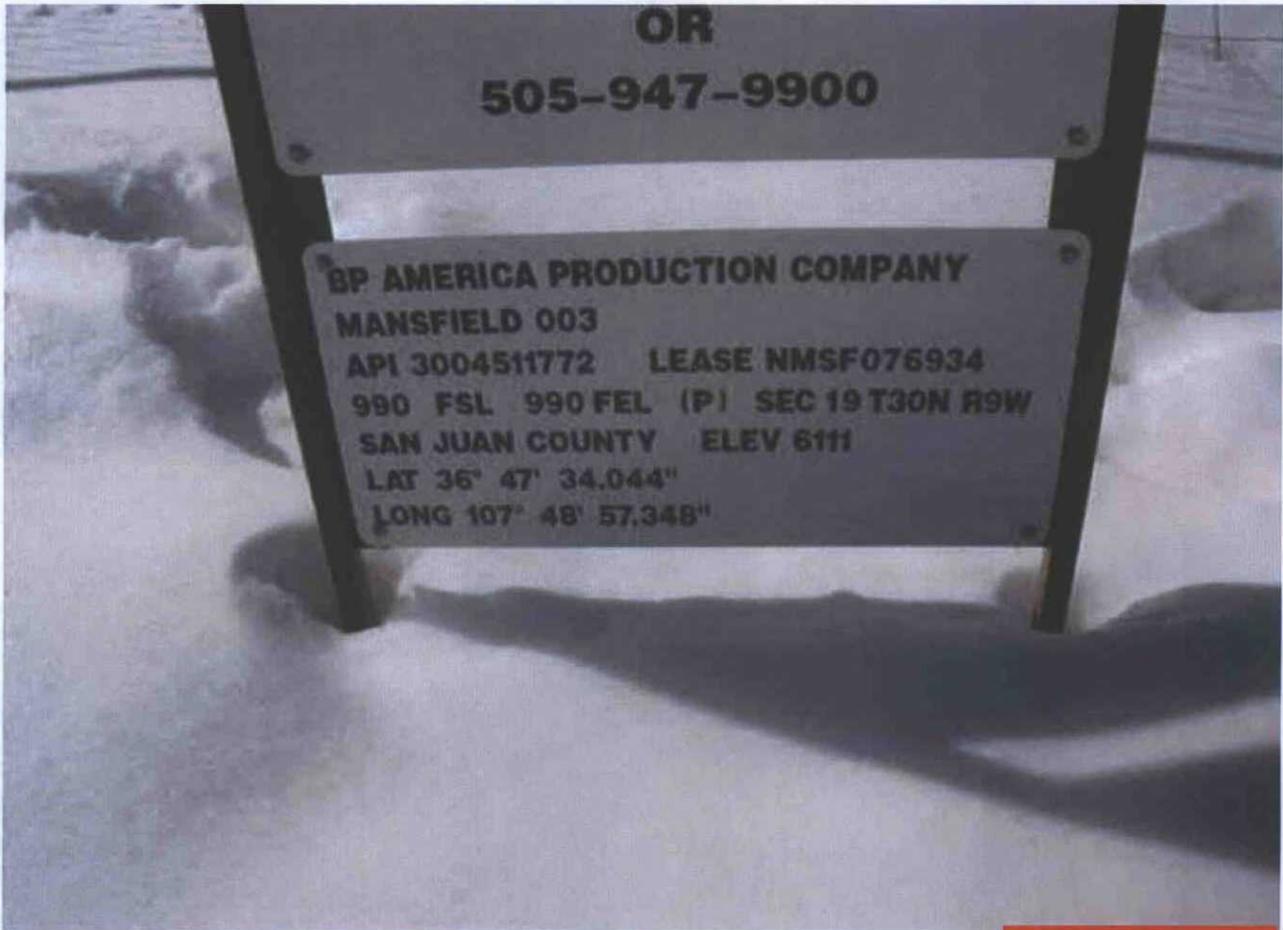
Surface Gradient Direction
Field Verified as S34E

Well Head Location



BP - Mansfield 003
Unit Letter (P), Sec. 19, T30N, R9W
API #: 30-045-11772

Production Tank GPS Coordinates
36.792922°N, 107.815722°W
Google Earth Imagery Date: 3/15/2015



Analytical Report

Lab Order 1601779

Date Reported: 1/26/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC - PTR @ 4" - 12"

Project: Mansfield #3

Collection Date: 1/20/2016 11:20:00 AM

Lab ID: 1601779-001

Matrix: SOIL

Received Date: 1/21/2016 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	1/26/2016 12:05:40 AM	23383
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	160	9.8		mg/Kg	1	1/22/2016 11:18:46 AM	23338
Surr: DNOP	74.7	70-130		%REC	1	1/22/2016 11:18:46 AM	23338
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/23/2016 5:43:04 PM	23333
Surr: BFB	119	66.2-112	S	%REC	1	1/23/2016 5:43:04 PM	23333
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	1/23/2016 5:43:04 PM	23333
Toluene	ND	0.049		mg/Kg	1	1/23/2016 5:43:04 PM	23333
Ethylbenzene	ND	0.049		mg/Kg	1	1/23/2016 5:43:04 PM	23333
Xylenes, Total	ND	0.099		mg/Kg	1	1/23/2016 5:43:04 PM	23333
Surr: 4-Bromofluorobenzene	120	80-120	S	%REC	1	1/23/2016 5:43:04 PM	23333

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	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601779

26-Jan-16

Client: Blagg Engineering

Project: Mansfield #3

Sample ID	MB-23383	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	23383	RunNo:	31665					
Prep Date:	1/25/2016	Analysis Date:	1/25/2016	SeqNo:	969063	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-23383	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	23383	RunNo:	31665					
Prep Date:	1/25/2016	Analysis Date:	1/25/2016	SeqNo:	969064	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1601779
 26-Jan-16

Client: Blagg Engineering
Project: Mansfield #3

Sample ID MB-23338	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 23338	RunNo: 31617								
Prep Date: 1/21/2016	Analysis Date: 1/22/2016	SeqNo: 967619	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	8.2		10.00		81.8	70	130			

Sample ID LCS-23338	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 23338	RunNo: 31617								
Prep Date: 1/21/2016	Analysis Date: 1/22/2016	SeqNo: 967848	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	78.5	65.8	136			
Surr: DNOP	3.6		5.000		71.8	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601779

26-Jan-16

Client: Blagg Engineering

Project: Mansfield #3

Sample ID	MB-23333	SampType	MBLK	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	PBS	Batch ID	23333	RunNo	31633					
Prep Date	1/21/2016	Analysis Date	1/23/2016	SeqNo	967928	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	890		1000		88.8	66.2	112			

Sample ID	LCS-23333	SampType	LCS	TestCode	EPA Method 8015D: Gasoline Range					
Client ID	LCSS	Batch ID	23333	RunNo	31633					
Prep Date	1/21/2016	Analysis Date	1/23/2016	SeqNo	967930	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	79.6	122			
Surr: BFB	1000		1000		104	66.2	112			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601779

26-Jan-16

Client: Blagg Engineering

Project: Mansfield #3

Sample ID	MB-23333	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	23333	RunNo:	31633					
Prep Date:	1/21/2016	Analysis Date:	1/23/2016	SeqNo:	967971	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	1.0		1.000		104	80	120			

Sample ID	LCS-23333	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	23333	RunNo:	31633					
Prep Date:	1/21/2016	Analysis Date:	1/23/2016	SeqNo:	967972	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	106	80	120			
Toluene	1.2	0.050	1.000	0	116	80	120			
Ethylbenzene	1.1	0.050	1.000	0	114	80	120			
Xylenes, Total	3.5	0.10	3.000	0	115	80	120			
Surr: 4-Bromofluorobenzene	1.3		1.000		127	80	120			S

Qualifiers:

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- 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

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

OIL CONS. DIV DIST. 3

JUL 06 2015

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

Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: BP	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Mansfield 3	Facility Type: Natural gas well
Surface Owner: Federal	Mineral Owner: Federal
API No. 3004511772	

LOCATION OF RELEASE

Unit Letter P	Section 19	Township 30N	Range 9W	Feet from the 990	North/South Line South	Feet from the 990	East/West Line East	County: San Juan
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Latitude 36.79284 Longitude -107.81588

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 15.4 bbl	Volume Recovered: none
Source of Release: produced water tank	Date and Hour of Occurrence: 6/12/2015	Date and Hour of Discovery: 6/30/2015; 12:00 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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.* While the field technician was gauging the produced water tank he noticed a wet spot around the tank. Further investigation revealed a hole in the bottom of the tank.

Describe Area Affected and Cleanup Action Taken.* The produced water was held within the tank berm. Soil will be sampled when the tank is removed for repair/replacement. Remediation will be done based on soil analyses.

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: <i>Jeff Peace</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Jeff Peace	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: <u>7/8/15</u>	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: July 2, 2015 Phone: 505-326-9479	<i>Test For TPH, BTEX, chlorides</i>	

#NCS 1518951740

* Attach Additional Sheets If Necessary

(1)