

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 April 3, 2017

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 America Production Company	Contact	Erin Garifalos
Address	200 Energy Court, Farmington, NM 87401	Telephone No.	(832) 609-7048
Facility Name	DRYDEN 001E	Facility Type	Natural Gas Well

Surface Owner	Federal	Mineral Owner	Federal	API No.	3004525566
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	28	28N	08W	1,905	South	580	East	San Juan

Latitude 36.63004 Longitude -107.67938 NAD83

NATURE OF RELEASE

Type of Release:	none	Volume of Release:	unknown	Volume Recovered:	N/A
Source of Release:	below grade tank - 45 bbl	Date and Hour of Occurrence:	n/a	Date and Hour of Discovery:	n/a
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.*

NMOCD
FEB 27 2018

Describe Cause of Problem and Remedial Action Taken.*
Impacted soils & bedrock were discovered during the confirmation sampling on 12/26/2017. The point of release could not be identified, but appears to be historical based on the discoloration of the soils & bedrock sandstone. Sampling indicated the release failed due to TPH; 122 ppm while the closure standard is 100 ppm for this location. The NMOCD granted a variance stipulating closure as is; correspondence attached. Reasoning for the variance was the threat for the release to impact public health and safety is very low since all of the TPH is DRO & MRO.

Describe Area Affected and Cleanup Action Taken.*
No further action required. Final laboratory analysis determined no remedial action is required.

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>erin garifalos</i>	OIL CONSERVATION DIVISION	
Printed Name: Erin Garifalos	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 2/28/2018	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: February 23, 2018 Phone: (832) 609-7048		

* Attach Additional Sheets If Necessary

NVF 1805932639

From: [Fields, Vanessa, EMNRD](#)
To: [Garifalos, Erin](#)
Cc: [Smith, Cory, EMNRD](#)
Subject: RE: Dryden 001E Tank B
Date: Friday, February 23, 2018 11:37:40 AM

Good morning Erin,

The OCD grants BP's approval for the requested variance request to close the Dryden #001E BGT.

Please include this e-mail in your final C-144.

Thank you,

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

From: Garifalos, Erin [mailto:Erin.Garifalos@bp.com]
Sent: Friday, February 23, 2018 11:26 AM
To: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: Dryden 001E Tank B

Erin Garifalos
Field Environmental Coordinator – San Juan
Cell: 832-609-7048
Erin.Garifalos@bp.com

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CLIENT: **BP** **BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199 API #: **3004525566**
 TANK ID (if applicable): **B**

FIELD REPORT: (circle one): **BGT CONFIRMATION** / RELEASE INVESTIGATION / OTHER:
 PAGE #: **1** of **1**

SITE INFORMATION: SITE NAME: **DRYDEN # 1E**
 QUAD/UNIT: **I** SEC: **28** TWP: **28N** RNG: **8W** PM: **NM** CNTY: **SJ** ST: **NM**
 DATE STARTED: **12/26/17**
 DATE FINISHED: _____
 1/4 -1/4/FOOTAGE: **1,905'S / 580'E** **NE/SE** LEASE TYPE: **FEDERAL** / STATE / FEE / INDIAN
STRIKE
 LEASE #: **NM012200** PROD. FORMATION: **DK** CONTRACTOR: **BP - J. GONZALES** ENVIRONMENTAL SPECIALIST(S): **NJV**

REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: **36.63032 X 107.67936** GL ELEV.: **5,829'**
 1) **45 BGT (SW/DB) - B** GPS COORD.: **36.63004 X 107.67938** DISTANCE/BEARING FROM W.H.: **111', S6.5W**
 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) **0.0**
 1) SAMPLE ID: **5PC - TB @ 6' (45) - B** SAMPLE DATE: **12/26/17** SAMPLE TIME: **1325** 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: **MOSTLY MODERATE 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 - _____
 DISCOLORATION/STAINING OBSERVED: **YES** / NO EXPLANATION - **MINOR AMOUNT OF MEDIUM DARK GRAY OBSERVED AT SW QUADRANT OF 45B BGT**

SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION - **POSSIBLY NEAR INSPECTION PORT AT 45B BGT**
 APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: **YES** / NO EXPLANATION: **SW QUADRANT OF 45B SIDEWALL**
 EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION - _____
 OTHER: **NMOC OR BLM REPS. NOT PRESENT TO WITNESS CONFIRMATION SAMPLING. DISCOLORED SOILS AT 45B VERY MINOR IN QUANTITY (<0.5 cubic yards).**
 EXCAVATION DIMENSION ESTIMATION: **NA** ft. X **NA** ft. X **NA** ft. EXCAVATION ESTIMATION (Cubic Yards): **NA**
 DEPTH TO GROUNDWATER: **<100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **<1,000'** NMOC TDH CLOSURE STD: **100** ppm

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

OVM CALIB. READ. = **100.0** ppm RF=1.00
 OVM CALIB. GAS = **100** ppm
 TIME: **1:40** am/pm DATE: **12/26/17**

MISCELL. NOTES
 WO:
 REF #: **P-907**
 VID: **VHIXONEVB2**
 PJ #:
 Permit date(s): **06/14/10**
 OCD Appr. date(s): **12/07/17**
 Tank ID **B** 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**

X - S.P.D.

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: 10/5/2016.** ONSITE: **12/26/17**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering **Client Sample ID:** 5PC-TB@ 6' (45)-B
Project: Dryden 1E **Collection Date:** 12/26/2017 1:25:00 PM
Lab ID: 1712E50-002 **Matrix:** MEOH (SOIL) **Received Date:** 12/27/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	110	30		mg/Kg	20	12/27/2017 12:17:41 PM	35727
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	49	9.6		mg/Kg	1	12/27/2017 1:35:51 PM	35726
Motor Oil Range Organics (MRO)	73	48		mg/Kg	1	12/27/2017 1:35:51 PM	35726
Surr: DNOP	106	70-130		%Rec	1	12/27/2017 1:35:51 PM	35726
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	12/27/2017 11:03:07 AM	35687
Surr: BFB	78.8	15-316		%Rec	1	12/27/2017 11:03:07 AM	35687
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	12/27/2017 11:03:07 AM	35687
Toluene	ND	0.040		mg/Kg	1	12/27/2017 11:03:07 AM	35687
Ethylbenzene	ND	0.040		mg/Kg	1	12/27/2017 11:03:07 AM	35687
Xylenes, Total	ND	0.080		mg/Kg	1	12/27/2017 11:03:07 AM	35687
Surr: 4-Bromofluorobenzene	92.4	80-120		%Rec	1	12/27/2017 11:03:07 AM	35687

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
	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#: 1712E50
 29-Dec-17

Client: Blagg Engineering
Project: Dryden 1E

Sample ID	MB-35727	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	35727	RunNo:	48035					
Prep Date:	12/27/2017	Analysis Date:	12/27/2017	SeqNo:	1540826	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-35727	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	35727	RunNo:	48035					
Prep Date:	12/27/2017	Analysis Date:	12/27/2017	SeqNo:	1540827	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	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#: 1712E50
 29-Dec-17

Client: Blagg Engineering
Project: Dryden 1E

Sample ID	LCS-35726	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	35726	RunNo:	48027					
Prep Date:	12/27/2017	Analysis Date:	12/27/2017	SeqNo:	1539266	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	95.6	73.2	114			
Surr: DNOP	4.7		5.000		93.4	70	130			

Sample ID	MB-35726	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	35726	RunNo:	48027					
Prep Date:	12/27/2017	Analysis Date:	12/27/2017	SeqNo:	1539267	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	10		10.00		102	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| 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#: 1712E50

29-Dec-17

Client: Blagg Engineering

Project: Dryden 1E

Sample ID MB-35687	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 35687		RunNo: 48031							
Prep Date: 12/22/2017	Analysis Date: 12/27/2017		SeqNo: 1539740		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	830		1000		83.5	15	316			

Sample ID LCS-35687	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 35687		RunNo: 48031							
Prep Date: 12/22/2017	Analysis Date: 12/27/2017		SeqNo: 1539741		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	75.9	131			
Surr: BFB	960		1000		96.3	15	316			

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#: 1712E50
 29-Dec-17

Client: Blagg Engineering
Project: Dryden 1E

Sample ID MB-35687	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 35687		RunNo: 48031							
Prep Date: 12/22/2017	Analysis Date: 12/27/2017		SeqNo: 1539781		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.5	80	120			

Sample ID LCS-35687	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 35687		RunNo: 48031							
Prep Date: 12/22/2017	Analysis Date: 12/27/2017		SeqNo: 1539782		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	77.3	128			
Toluene	0.95	0.050	1.000	0	94.9	79.2	125			
Ethylbenzene	0.94	0.050	1.000	0	94.3	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	95.9	81.6	129			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	80	120			

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 |
| 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 |



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: **1712E50**

RcptNo: **1**

Received By: **Sophia Campuzano** 12/27/2017 7:30:00 AM

Sophia Campuzano

Completed By: **Sophia Campuzano** 12/27/2017 8:45:09 AM

Sophia Campuzano

Reviewed By: **EMO** 12/27/17

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° C to 6.0°C Yes No NA
- 6. Sample(s) in proper container(s)? Yes No
- 7. Sufficient sample volume for indicated test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No
- 9. Was preservative added to bottles? Yes No NA
- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No
- 12. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 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? Yes No
(If no, notify customer for authorization.)

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: eMail Phone Fax 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	3.3	Good	Yes			

