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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

NMOCD
APR 16 2019
DISTRICT III

Release Notification

Responsible Party

Responsible Party: BPX Energy	OGRID: 778	Initial
Contact Name: Steve Moskal	Contact Telephone: (505) 330-9179	
Contact email: steven.moskal@bpx.com	Incident # *(assigned by OCD)*	
Contact mailing address: 1199 Main St., Suite 101, Durango CO, 81301	nCS1913437796	

Location of Release Source

Latitude: 36.909477° Longitude: -107.499566°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Northeast Blanco Unit 102	Site Type: Natural Gas Production Well Pad
Date Release Discovered: April 2, 2019	API#: 30-039-09807

Unit Letter	Section	Township	Range	County
M	3	T30N	R07W	Rio Arriba

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls): 7 bbls	Volume Recovered (bbls): 7 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls):	Volume Recovered (bbls):
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Heavy precipitation created a run-on event, flooding the secondary containment of the below grade tank and filling the tank, causing it to overflow. All water was contained to steel secondary containment.

Samples were collected and determined no remedial action is required. Release of Coal Bead Methane water with hydro carbon concentrations below the site ranked closure standards. GRO+DRO <1,000 ppm; GRO+DRO+MRO < 2,500 ppm, Cl <10,000 ppm

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State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature:  Date: April 15, 2019

email: steven.moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: OCD Date: 4/16/19

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: [signature] Date: April 15, 2019

email: steven.moskal@bpx.com Telephone: (505) 330-9179

OCD Only

Received by: OCD Date: 4/16/19

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: [signature] Date: 5/14/19

Printed Name: Cory Title: Environmental Spec.

CLIENT: BPX

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 30-039-09807
TANK ID (if applicable): A

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

PAGE #: 1 of 1

SITE INFORMATION:

SITE NAME: NEBU 102
DATE STARTED: 4/4/2019
DATE FINISHED: 4/4/2019
QUAD/UNIT: M SEC: 3 TWP: 30N RNG: 7W PM: NM CNTY: RA ST: NM
1/4 -1/4/FOOTAGE: 990 FSL x 990 FWL LEASE TYPE: (FEDERAL) / STATE / FEE / INDIAN
LEASE #: SF 079001A PROD. FORMATION: MV CONTRACTOR: —
ENVIRONMENTAL SPECIALIST(S): JCB

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.837098 x 107.564020 GL ELEV.: 6326
1) 45 BGT GPS COORD.: 36.837285 - 107.569192 DISTANCE/BEARING FROM W.H.: 86' N37W
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: ENVIROTECH

	SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	OVM READING (ppm)
1)	BGT OVERFLOW 5-pt @ 4½'	4/4/2019	1425	TPH/BTEX/Cl⁻	220
2)					
3)					
4)					

SOIL DESCRIPTION:

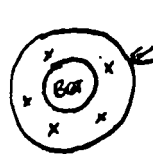
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER: PURPLE SHALE
SOIL COLOR: PURPLE
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / (HIGHLY COHESIVE)
DENSITY (COHESIVE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

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES (NO) EXPLANATION - APPARENT OVERFLOW
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: (YES) NO EXPLANATION: WATER IN CELLAR (2")
EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - NA
OTHER: BGT IN GALVANIZED CELLAR, SITTING ON PEA GRAVEL. Shalestone immediately Below Gravel
SOIL IMPACT DIMENSION ESTIMATION: 12' ft. X 12' ft. X 1 ft. EXCAVATION ESTIMATION (Cubic Yards): 6
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >300 NMOCD TPH CLOSURE STD: 1000/5000 ppm

SITE SKETCH

BGT Located: off / on site | PLOT PLAN circle: attached



X = 5-pt Composite Points Collected with Hand Auger

* GAS well

OVM CALIB. READ. = 102.6 ppm RF = 0.52
OVM CALIB. GAS = 100 ppm
TIME: 1430 am/pm DATE: 4/4

MISCELL. NOTES

WO:
PO #:
PK:
PJ #:
Permit date(s):
OCD Appr. date(s):

BGT ID	OVM = Organic Vapor Meter ppm = parts per million
A	BGT Sidewalls Visible: (Y) / N
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N

Magnetic declination: 10° E

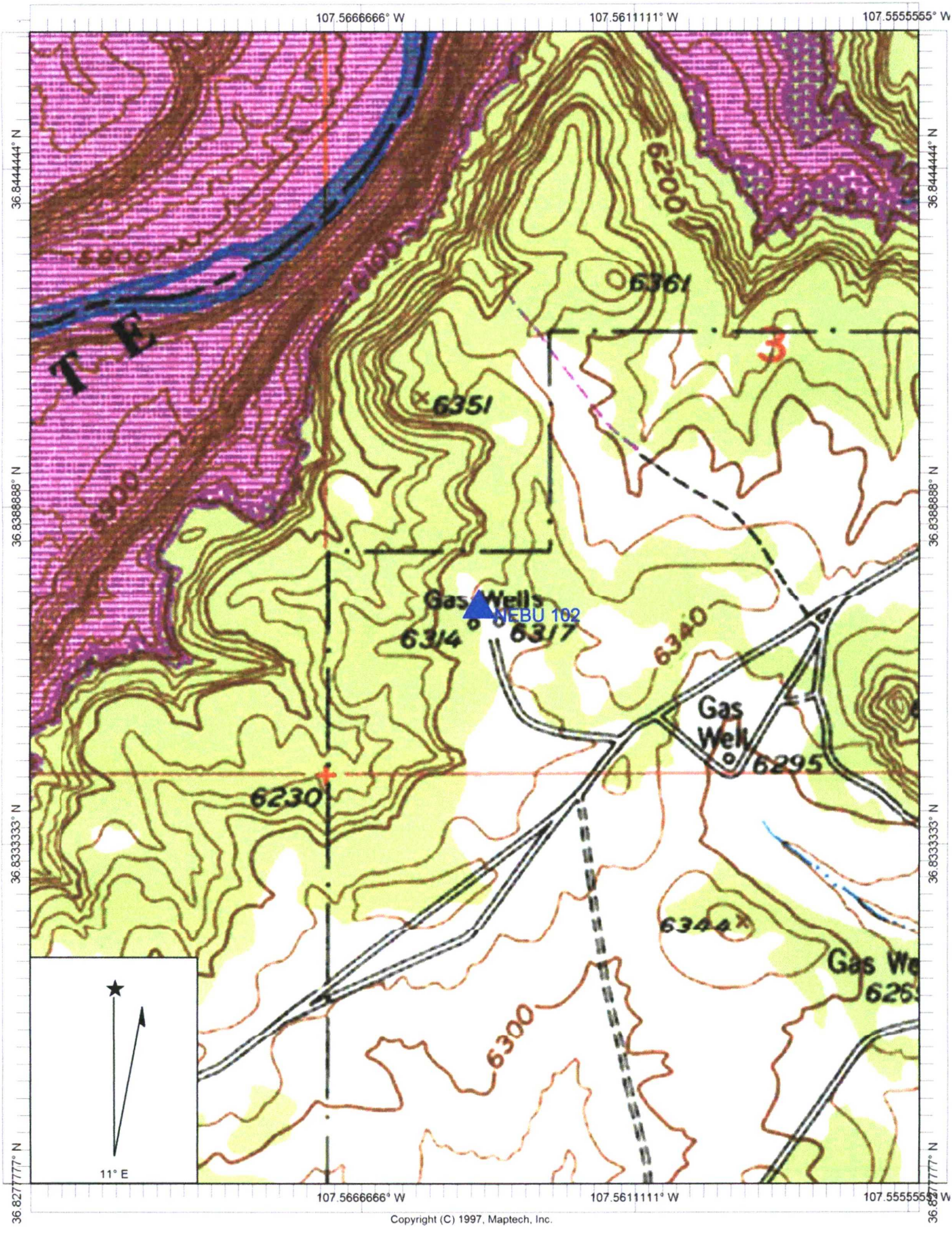
NOTES: ONSITE: 4/4/2019

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; @ = 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; N/A = NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.


NEBU 102
45 BGT
April 4, 2019


45 BGT
NEBU 102
300' Radius
Google Earth
400 ft
N


45 BGT
NEBU 102
300' Radius
1,000' Radius
Google Earth
© 2018 Google
N
1000 ft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107.5611111° W
107.5555555° W
36.8444444° N
36.8388888° N
36.8333333° N
36.8277777° N
6200
6361
6351
6300
T E
3
Gas Wells
NEBU 102
6314
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Gas Well
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6344
Gas We
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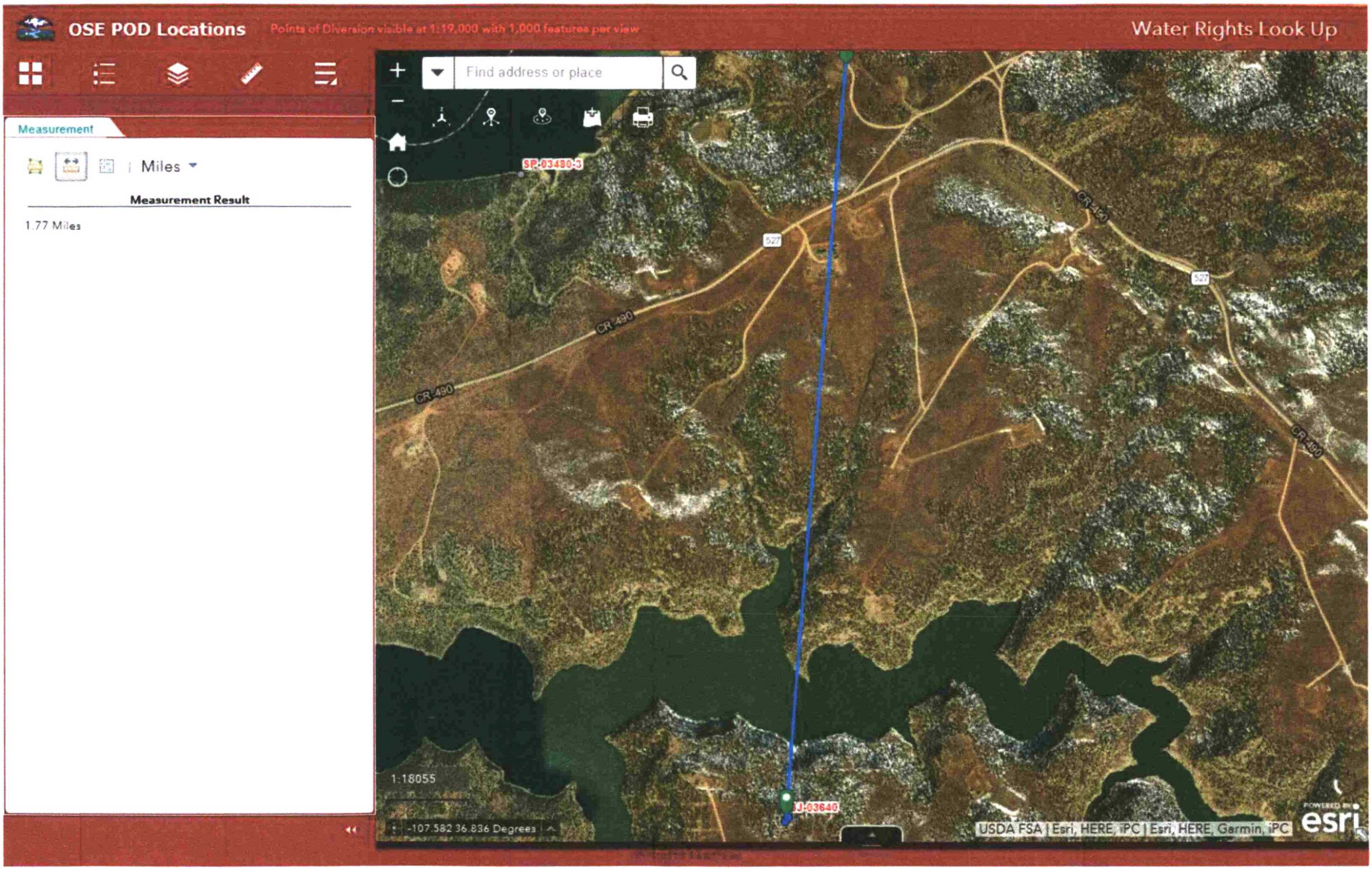
11° E
Copyright (C) 1997, Maptech, Inc.


OSE POD Locations
Points of Diversion visible at 1:19,000 with 1,000 features per view
Water Rights Look Up
Measurement
Miles
Measurement Result
1.77 Miles
Find address or place
SP-03480-S
CR-490
527
CR-490
527
CR-490
CR-490
1:18055
-107.582 36.836 Degrees
SJ-03640
USDA FSA | Esri, HERE, iPC | Esri, HERE, Garmin, iPC
esri

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	SJ 03640	1	1	3	15	30N	07W	271072	4077061*

Driller License: 1508 **Driller Company:** HARGIS CONSULTING WATER WELL

Driller Name: HARGIS, WILLIAM CALVIN

Drill Start Date: 03/25/2006 **Drill Finish Date:** 04/12/2006 **Plug Date:**

Log File Date: 06/02/2005 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 12 GPM

Casing Size: 4.50 **Depth Well:** 433 feet **Depth Water:** 241 feet

Water Bearing Stratifications:	Top	Bottom	Description
	240	242	Shale/Mudstone/Siltstone
	350	353	Shale/Mudstone/Siltstone
	380	390	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	320	433

***UTM location was derived from PLSS - see Help**

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: BP America Production Co.

Samples Received: 4/5/2019
Job Number: 03143-0424
Work Order: P904018
Project Name/Location: NEBU 102

Report Reviewed By: Walter Hinchman Date: 4/12/19

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

envirotech
Analytical Laboratory

BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT OVERFLOW 5-pt @ 4 1/2'	P904018-01A	soil	04/04/19	04/05/19	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

BGT OVERFLOW 5-pt @ 4 1/2'

P904018-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by 8260									
Benzene	ND	0.0250	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8260B	
Toluene	**0.116**	0.0250	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8260B	
Ethylbenzene	**0.0335**	0.0250	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8260B	
p,m-Xylene	**1.66**	0.0500	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8260B	
o-Xylene	**0.432**	0.0250	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8260B	
Total Xylenes	**2.09**	0.0250	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*		*70-130*	*1914025*	*04/05/19*	*04/07/19*	*EPA 8260B*	
Surrogate: Toluene-d8		*101 %*		*70-130*	*1914025*	*04/05/19*	*04/07/19*	*EPA 8260B*	
Surrogate: Bromofluorobenzene		*97.3 %*		*70-130*	*1914025*	*04/05/19*	*04/07/19*	*EPA 8260B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**27.8**	20.0	mg/kg	1	1914025	04/05/19	04/07/19	EPA 8015D	
Diesel Range Organics (C10-C28)	**431**	25.0	mg/kg	1	1914026	04/05/19	04/05/19	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	1914026	04/05/19	04/05/19	EPA 8015D	
Surrogate: n-Nonane		*102 %*		*50-200*	*1914026*	*04/05/19*	*04/05/19*	*EPA 8015D*	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*		*70-130*	*1914025*	*04/05/19*	*04/07/19*	*EPA 8015D*	
Surrogate: Toluene-d8		*101 %*		*70-130*	*1914025*	*04/05/19*	*04/07/19*	*EPA 8015D*	
Surrogate: Bromofluorobenzene		*97.3 %*		*70-130*	*1914025*	*04/05/19*	*04/07/19*	*EPA 8015D*	
Anions by 300.0/9056A									
Chloride	ND	20.0	mg/kg	1	1914028	04/05/19	04/05/19	EPA 300.0/9056A	

BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914025 - Purge and Trap EPA 5030A										
Blank (1914025-BLK1)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Bromofluorobenzene	*0.480*		"	*0.500*		*96.0*	*70-130*			
LCS (1914025-BS1)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	2.43	0.0250	mg/kg	2.50		97.2	70-130			
Toluene	2.41	0.0250	"	2.50		96.4	70-130			
Ethylbenzene	2.38	0.0250	"	2.50		95.2	70-130			
p,m-Xylene	4.67	0.0500	"	5.00		93.3	70-130			
o-Xylene	2.30	0.0250	"	2.50		92.2	70-130			
Total Xylenes	6.97	0.0250	"	7.50		92.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.503*		"	*0.500*		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*0.494*		"	*0.500*		*98.8*	*70-130*			
Matrix Spike (1914025-MS1)	**Source: P904017-01**			Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	2.41	0.0250	mg/kg	2.50	ND	96.3	48-131			
Toluene	2.32	0.0250	"	2.50	ND	92.7	48-130			
Ethylbenzene	2.30	0.0250	"	2.50	ND	92.0	45-135			
p,m-Xylene	4.50	0.0500	"	5.00	ND	90.0	43-135			
o-Xylene	2.24	0.0250	"	2.50	ND	89.5	43-135			
Total Xylenes	6.74	0.0250	"	7.50	ND	89.9	43-135			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		"	*0.500*		*97.4*	*70-130*			
Surrogate: Toluene-d8	*0.489*		"	*0.500*		*97.8*	*70-130*			
Surrogate: Bromofluorobenzene	*0.488*		"	*0.500*		*97.5*	*70-130*			
Matrix Spike Dup (1914025-MSD1)	**Source: P904017-01**			Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Benzene	2.51	0.0250	mg/kg	2.50	ND	100	48-131	4.01	23	
Toluene	2.46	0.0250	"	2.50	ND	98.3	48-130	5.93	24	
Ethylbenzene	2.45	0.0250	"	2.50	ND	98.1	45-135	6.33	27	
p,m-Xylene	4.78	0.0500	"	5.00	ND	95.6	43-135	5.96	27	
o-Xylene	2.39	0.0250	"	2.50	ND	95.7	43-135	6.72	27	
Total Xylenes	7.17	0.0250	"	7.50	ND	95.6	43-135	6.21	27	
Surrogate: 1,2-Dichloroethane-d4	*0.507*		"	*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.504*		"	*0.500*		*101*	*70-130*			

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Analytical Laboratory

BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Volatile Organic Compounds by 8260 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914025 - Purge and Trap EPA 5030A										
Matrix Spike Dup (1914025-MSD1)	**Source: P904017-01**			Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Surrogate: Bromofluorobenzene	*0.511*		*mg/kg*	*0.500*		*102*	*70-130*			

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BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914025 - Purge and Trap EPA 5030A										
Blank (1914025-BLK1)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.496*		"	*0.500*		*99.1*	*70-130*			
Surrogate: Bromofluorobenzene	*0.480*		"	*0.500*		*96.0*	*70-130*			
LCS (1914025-BS2)				Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	47.1	20.0	mg/kg	50.0		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		"	*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.501*		"	*0.500*		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*0.496*		"	*0.500*		*99.1*	*70-130*			
Matrix Spike (1914025-MS2)		Source: P904017-01		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	52.7	20.0	mg/kg	50.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		"	*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.495*		"	*0.500*		*99.0*	*70-130*			
Surrogate: Bromofluorobenzene	*0.500*		"	*0.500*		*99.9*	*70-130*			
Matrix Spike Dup (1914025-MSD2)		Source: P904017-01		Prepared: 04/05/19 1 Analyzed: 04/07/19 1						
Gasoline Range Organics (C6-C10)	50.5	20.0	mg/kg	50.0	ND	101	70-130	4.39	20	
Surrogate: 1,2-Dichloroethane-d4	*0.475*		"	*0.500*		*94.9*	*70-130*			
Surrogate: Toluene-d8	*0.498*		"	*0.500*		*99.5*	*70-130*			
Surrogate: Bromofluorobenzene	*0.496*		"	*0.500*		*99.1*	*70-130*			

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BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914026 - DRO Extraction EPA 3570										
Blank (1914026-BLK1)				Prepared & Analyzed: 04/05/19 1						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	*55.5*		"	*50.0*		*111*	*50-200*			
LCS (1914026-BS1)				Prepared & Analyzed: 04/05/19 1						
Diesel Range Organics (C10-C28)	505	25.0	mg/kg	500		101	38-132			
Surrogate: n-Nonane	*47.7*		"	*50.0*		*95.5*	*50-200*			
Matrix Spike (1914026-MS1)		**Source: P904017-01**		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Diesel Range Organics (C10-C28)	882	25.0	mg/kg	500	392	98.0	38-132			
Surrogate: n-Nonane	*49.0*		"	*50.0*		*97.9*	*50-200*			
Matrix Spike Dup (1914026-MSD1)		**Source: P904017-01**		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Diesel Range Organics (C10-C28)	899	25.0	mg/kg	500	392	101	38-132	1.93	20	
Surrogate: n-Nonane	*48.9*		"	*50.0*		*97.9*	*50-200*			

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BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1914028 - Anion Extraction EPA 300.0/9056A										
Blank (1914028-BLK1)				Prepared & Analyzed: 04/05/19 1						
Chloride	ND	20.0	mg/kg							
LCS (1914028-BS1)				Prepared & Analyzed: 04/05/19 1						
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1914028-MS1)		Source: P904017-02		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Chloride	261	20.0	mg/kg	250	ND	104	80-120			
Matrix Spike Dup (1914028-MSD1)		Source: P904017-02		Prepared: 04/05/19 1 Analyzed: 04/05/19 2						
Chloride	267	20.0	mg/kg	250	ND	107	80-120	2.42	20	

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BP America Production Co.	Project Name:	NEBU 102	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Steve Moskal	04/12/19 13:14

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Project Information | Chain of Custody | Page 1 of 1

Client:	BPX ENERGY
Project:	NEBU 102
Project Manager:	Steve Moskal
Address:	
City, State, Zip	
Phone:	(505) 330-9179
Email:	

Report Attention

Report due by:	4/12/2019
Attention:	Steve Moskal/Jeff Blagg
Address:	
City, State, Zip	
Phone:	505-320-1183
Email:	

Lab Use Only

Lab WO#	Job Number
P904018	03143-0434

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ — NM: X

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
1425	4/4/19	SOIL	1	BGT OVERFLOW 5-pt @ 4½'		X	X	X			X		

Additional Instructions: BILL BPX [Spill Assessments P.O.] vls. ice in cooler -my
CONTACT: Steve Moskal

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Jeff Blagg

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jeff Blagg	4/5/2019	0815	Irene Zuzas	04-05-19	8:14
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above ... laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech Analytical Laboratory
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