

June 9, 2023

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Remediation Work Plan

Gem 4, 5, 7, 10 Battery, 8705 JV-P Incident Number nCH1903263128 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of BTA Oil Producers, LLC (BTA), has prepared the following *Remediation Work Plan* (*Work Plan*) to document the release of produced water at the Gem 4, 5, 7, 10 Battery, 8705 JV-P (Site), present the Site Characterization identifying any potential sensitive receptors, and propose additional delineation and subsequent excavation activities related to documented impacted and waste-containing soil associated with Incident Number nCH1903263128.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit N, Section 2, Township 20 South, Range 33 East, in Lea County, New Mexico (32.59584°, -103.63667°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land managed by the New Mexico State Land Office (NMSLO).

On December 7, 2018, a failure of a 45-degree connection on a 2.875-inch flowline that transports fluid to a saltwater disposal (SWD) well resulted in the release of 6 barrels (bbls) of produced water. Following the release, 1 bbl of free-standing produced water was recovered. BTA reported the release to the New Mexico Oil Conservation Division (NMOCD) via a Release Notification Form C-141 (Form C-141) on December 18, 2018. The release was assigned Incident Number nCH1903263128.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the closest groundwater well data. The closest groundwater well with depth to groundwater data is New Mexico Office of the Sate Engineer (OSE) well number CP-01865, located approximately 0.4 miles northwest of the Site. On February 8, 2021, a borehole was advanced to 105 feet bgs and no water was encountered, confirming that groundwater beneath the Site is greater than 100 feet bgs. All

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wells used for depth to water determination are depicted on Figure 1 and the referenced well record for CP-01865 is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an irrigation canal, located approximately 11,948 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply for the following chemicals of concern (COCs):

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbons (TPH) gasoline range organics (GRO) and TPH diesel range organics (DRO): 1,000 mg/kg
- Total TPH: 2,500 mg/kgChloride: 20,00 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH will be applied to the top 4 feet of the pasture area per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be immediately reclaimed following remediation.

DELINEATIONS ACTIVITIES

Following the release, BTA retained Trinity Oilfield Services and Rentals, LLC (Trinity) to assess the release extent. According to Trinity's Site Summary and Spill Remediation Proposal, dated August 21, 2019 (Appendix B), Trinity was onsite between February 15, 2019 and April 2, 2019 to assess the release and to define the magnitude and extent of impacts. Trinity advanced 14 soil boreholes (SP-1 through SP-14) via hand auger and backhoe, to depths ranging from 0.5 feet to 16 feet bgs to assess impacts to soil. Based on soil borehole locations, the point of release was on the west side of the well pad and the extent included an area inside the earthen berm secondary containment and onto the south adjacent pasture (Figure 2). Laboratory analytical results indicated concentrations of BTEX in all submitted soil samples were compliant with the Closure Criteria. Concentrations of TPH in soil from all soil samples were in compliance with the Closure Criteria; however, the TPH concentration in borehole SP-2, at approximately 0.5 feet bgs, did exceed the reclamation requirement, indicating wastecontaining soil is present in the adjacent pasture. Laboratory analytical results indicated chloride concentrations in soil from boreholes SP-4, SP-5, SP-8, SP-9, and SP-10 exceeded the Closure Criteria and/or reclamation requirement. While Trinity did propose excavation activities to address impacted soil documented at the Site, the proposal was not submitted to the NMOCD for approval. Based on the findings presented in Trinity's report, it appears additional delineation and remediation activities are warranted to address the December 2018 release.

PROPOSED REMEDIAL ACTIONS

Based delineation activities completed by Trinity in 2019, Ensolum proposes to complete delineation of the release laterally and vertically and then remediate impacted and waste-containing soil to meet requirements set forth in 19.15.29 NMAC.



Cultural Resources Survey

Since the release entered the pasture, the release location will be assessed for determination of whether the release encroached into undisturbed areas to comply with the Cultural Properties Protection Rule (CPP) prior to disturbing the surface with mechanical equipment. The NMSLO will be notified of potential disturbance of the pasture on a Right of Entry Request for Remediation form. The request will include a copy of the Form C-141, a topographic location map, and a satellite image of the location. Ensolum will request an Archaeological Records Management System (ARMS) review be completed by the NMSLO to determine if prior cultural resources survey(s) overlap with the project area and if so, whether oversight by an approved archeologist would be required during disturbance activities. Fieldwork will be modified if cultural resources are present at a distance that could compromise those resources and any modifications of the following activities will be documented and relayed to the NMOCD and NMSLO prior to entering the pasture.

Proposed Additional Delineation Activities

Ensolum will complete additional delineation activities prior to any excavation in order to fully define the release extent. Below is a summary table of delineation sample locations that will be advanced via hand auger and/or backhoe, as applicable.

North North of borehole SP-14

East East of boreholes SP-9 and SP-10

South South of borehole SP-2

West West of borehole SP-10

Proposed Vertical Delineation Locations

Vertical depth greater than 6 feet bgs in the vicinity of borehole SP-5

Second depth in the vicinity of borehole SP-12 (first depth at 0.5 feet bgs)

Second depth in the vicinity of borehole SP-13 (first depth at 0.5 feet bgs)

Second depth in the vicinity of borehole SP-14 (first depth at 0.5 feet bgs)

TABLE 1 – PROPOSED DELINEATION PLAN

To adequately define the lateral extent of the release, soil samples from the locations described above and depicted on Figure 2 will be collected at 0.5 feet bgs confirm the release did not extend past the footprint previously identified. It should be noted that the lateral delineation soil samples south of borehole SP-2 will be completed with a hand auger until an ARMS review determined the remediation area has been properly assessed for potential presence of culture resources.

Ensolum will advance hand auger/backhoe borings in vertical delineation locations described above and depicted on Figure 2 until field screening results indicate concentrations of COCs in soil are in compliance with the Closure Criteria and/or reclamation requirement. A soil sample will be collected from each of the vertical delineation soil borings at the terminus of the soil boring, which will define the vertical extents of impacts.

All soil samples will be field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations were logged on lithologic/soil sampling logs. The soil sample locations will be mapped utilizing a handheld Global Positioning System (GPS) unit. Photographic documentation will be completed during the Site visit.



Soil samples will be placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following COCs: BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method SM4500.

BTA will complete the delineation activities described above within 90 days of the date of approval of this *Work Plan* by the NMOCD.

Proposed Excavation Activities

Laboratory analytical results from Trinity's assessment activities in 2019 indicated concentrations of COCs exceeded the Closure Criteria and/or the reclamation requirement and it is determined that impacted and waste-containing soil is present. As such, Ensolum proposes to complete the following excavation activities:

- Excavation of waste-containing soil in the vicinity of borehole SP-2 to a depth of approximately 1-foot bgs;
- Excavation of waste-containing soil in the vicinity of boreholes SP-4 and SP-8 to a total depth of 4 feet bgs;
- Excavation of impacted soil in the vicinity of boreholes SP-9 and SP-10 to an approximate depth of 4 feet bgs;
- Excavation of impacted soil in the vicinity of borehole SP-5 to a depth to be determined by vertical delineation efforts described above. If impacts are documented to be greater than 8 feet bgs, BTA requests to excavate in this area to a depth of 4 feet bgs and install a 20-mil poly liner to prevent vertical migration of chloride impacts in the future instead of excavating all impacts to below the Closure Criteria;
- Following removal of impacted soil listed above, 5-point composite soil samples will be collected
 every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite
 samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable
 plastic bag and homogenizing the samples by thoroughly mixing. The composite soil samples
 will be handled and analyzed as described above; and
- In those areas where waste-containing soil is removed, representative sidewall samples will be collected and analyzed to verify all waste-containing soil has been removed per 19.15.29.13 NMAC.

Reclamation Plan

The southern portion of release went into the pasture and as such, reclamation requirements set forth in 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation will be applied. The following Reclamation Plan addresses reclamation of the off-pad excavation area and has been developed through review and application of the *Revegetation Guidelines Handbook for Southeastern New Mexico* – Version 1-1, authored by NMSLO and dated 2018, and 19.2.100.67 NMAC – *Surface Reclamation on State Oil and Gas Leases*:

 The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. A minimum of 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;



- Soil in the vicinity of the release in the pasture will be assessed for the proper application of Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico;
- The backfilled areas will be seeded utilizing a weed-free seed mix designed listed in the table below:

Common Name and Preferred Variety	Scientific Name	PLS Per Acre
Annual Quick-cover Grass		
Oats	Avena sativa	1.00
Cool Season Grass		
Western Wheatgrass	Agropyron smithii	2.50
Warm-Season Grass		
Black or Blue Grama	Boutela gracilis var. Alma	1.50
Little Bluestem	Schizachyrium scoparium	0.50
Sand Dropseed	Sporobolus cryptandrus	0.50
Sand Bluestem	Andropogon hallii	1.00
Indiangrass	Sorghastrum nutans	0.50
Sideoats Grama	Bouteloua curtipendula var. Vaughn	2.00
Wildflowers/ Forbs		
White prairie clover	Dalea candida	0.10
Scarlet globemallow	Sphaeralcea coccinea	0.10
Chia Sage	Salvia columbariae	0.10
Annual sunflower	Helianthus annuus	0.10
Annual buckwheat	Eriogonum annuum	0.10

- The seed mixture will be distributed with one or more of the following methods: push broadcaster seed spreader, tractor operated broadcast seed spreader, and/or drill seeding based on Site conditions and contractor availability;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed
 pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture
 with distribution by a broadcast method;
- Erosion control management is not anticipated since the proposed excavation area is relatively
 flat; however, in the event erosion control management is necessary to support vegetation
 growth and minimize erosion until the root structures take hold, the application of the following
 best management practices (BMPs) could potentially include:
 - Prompt revegetation with mulching and contouring the ground surface to limit surface water flow;
 - The placement of waddles in areas with a propensity for high run off rates;
 - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
 - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Backfilling of the excavation will be scheduled and communicated with NMSLO prior to initiation;



- Seeding is anticipated to be completed in the Fall when temperatures and precipitation are most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be the preferred timeframe for this Site;
- If seeding occurs outside of the 180 days approved in the current fully executed ROE Permit, a new ROE Permit will be executed prior to entering the pasture for reclamation activities;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent
 with local natural vegetation density. The Site will be inspected the following Fall to assess the
 success of regrowth. If necessary, an additional application of the NMSLO-approved pure live
 seed mixture will be applied as well as any needed BMPs will be installed to support growth and
 limit erosion; and
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

Schedule and Reporting

BTA will complete the remedial activities described above within 90 days of the date of approval of this *Work Plan* by the NMOCD. If laboratory analytical results indicate concentrations of all COCs are in compliance with the Closure Criteria and/or the reclamation requirement and it is determined that impacted soil is not present, a Closure Request will be prepared and submitted to the NMOCD for concurrence. If laboratory analytical results do indicate the presence of impacted soil in the vicinity of equipment and/or lines on pad, BTA will submit a Deferral Request for impacts that are left in-place and to be remediated when there is major Site reconstruction and/or the well pad is plugged and abandoned and the well pad is to be reclaimed.

BTA believes the scope of work described above will meet requirements set forth in 19.15.29.12 NMAC as well as stipulation set forth in 19.2.100.67 NMAC for reclamation of Sites on State Trust Land. These measures are believed to be protective of human health, the environment, and groundwater. As such, BTA respectfully requests approval of this *Work Plan* from NMOCD and NMSLO.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Hadlie Green Staff Geologist Daniel R. Moir, PG Senior Managing Geologist

cc: Kelton Beaird, BTA Nathan Sirgo, BTA

NMSLO ECO



Appendices:

Figure 1 Sensitive Receptor Map Figure 2 Proposed Remedial Actions Appendix A Referenced Well Records

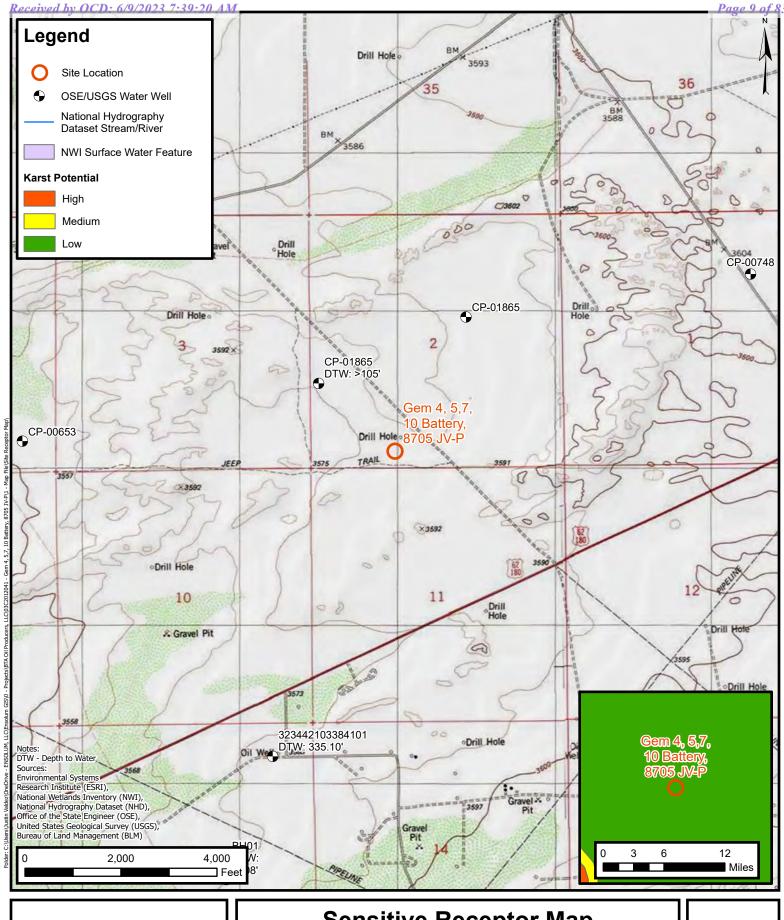
Appendix B Site Summary and Spill Remediation Proposal, dated August 21, 2019

Appendix C Form C-141





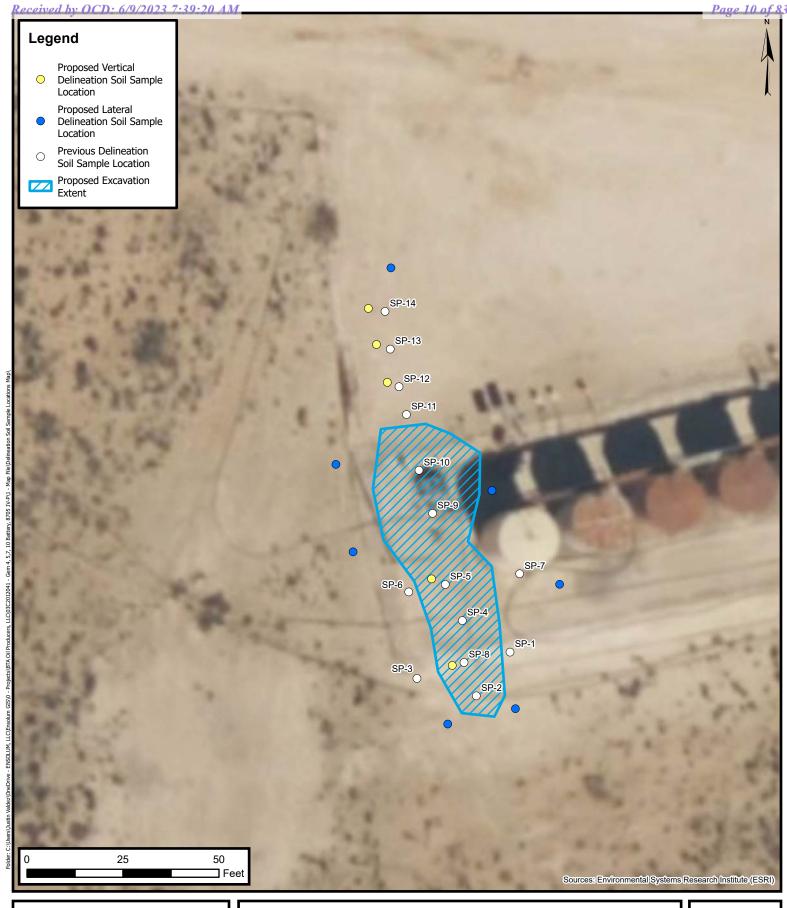
FIGURES





Sensitive Receptor Map BTA Oil Producers, LLC

BTA Oil Producers, LLC Gem 4, 5,7, 10 Battery, 8705 JV-P Incident Number: nCH1903263128 Unit N, Sec 2, 20S, 33E Lea County, New Mexico FIGURE 1





Proposed Remedial Actions

BTA Oil Producers, LLC Gem 4, 5,7, 10 Battery, 8705 JV-P Incident Number: nCH1903263128 Unit N, Sec 2, 20S, 33E Lea County, New Mexico FIGURE 2



APPENDIX A

Referenced Well Records

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WELL TAG ID NO.

OSE DII JUL 22 2021 PM2:05



GENERAL AND WELL LOCATION	POD2 CP-	10/5			WELL TAG ID NO.			OSE FILE NO(S).				
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0	WELL OWNE BTA OIL	, ,	ERS, LLC					PHONE (OPTIO	ONAL)				
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	LICENSE NO WD-1		NAME OF LICENSED		ACOB FRIESSE	N			NAME OF WELL DR	ILING O			
	DRILLING ST		DRILLING ENDED 2-8-21	DEPTH OF CO	MPLETED WELL (F)	T)		LE DEPTH (FT) 105	DEPTH WATER FIR	ST ENCO			
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HO	LE SHALLO	W (UNCON	IFINED)		STATIC WATER LEV	VEL IN C		ELL (FT)	
\TI0	DRILLING FI	LUID:	☑ AIR	MUD	ADDITIV	ES - SPEC	FY:						
ORM/	DRILLING M	ETHOD:	ROTARY	П намме	R CABLET	OOL	□ ОТНЕ	R - SPECIFY:					
& CASING INFORMATION	DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM (inches)	(include	MATERIAL AND GRADE each casing string, sections of screen)	and	CON	ASING NECTION TYPE Jing diameter)	CASING INSIDE DIAM. (inches)	DIAM. THICKNESS		SLOT SIZE (inches)	
CA	-1	99	4.5		BLANK PVC		<u> </u>	EAD 2.375	2		.187	<u> </u>	
LING &	99	105	4.5	5	SCREEN PVC		THRE	EAD 2.375	2	.187		.02	
2. DRILLING													
7													
							-						
-1	DEPTH		BORE HOLE DIAM. (inches)	1	ST ANNULAR SI VEL PACK SIZE				AMOUNT (cubic feet)		METHO PLACEN		
RIA	FROM 0	TO 99	4.5			ROUT			8		POUR	ED	
ATE	99	105	4.5			A SAND			.5	$\overline{}$	POUR		
ANNULAR MATERIAL													
3. ANI													
FOR	OSE INTER	NAL USE			POD NO			WR-2	0 WELL RECORD	& LOG	(Version 04/3	0/19)	

LOCATION

OSE DII JUL 22 2021 M2:05

	DEPTH (1	feet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONE (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING
				(with a supplemental sheets to rank describe an ame)		ZONES (gpm)
	0	2	2	TOPSOIL	Y VN	
	2	21	19	CALICHE	Y VN	
	21	48	27	SAND	Y VN	
	48	66	18	RED CLAY	Y VN	
	66	77	11	SAND	Y ✔N	
LL	77	89	12	RED CLAY	Y VN	
WE	89	105	16	BLUE CLAY	Y VN	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
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	PUMI	P	IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	0.00
TEST; RIG SUPERVISION	WELL TES	STAR		ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV		
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6. SIGNATURE	RECORD OF	F THE ABO	VE DESCRIBED	AT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FORWELL I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAWITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPI	S BEEN INSTALLED AN	ND THAT THIS
6. SIGN	2	\mathcal{L}	5-	JACOB FRIESSEN	7-13-21	
		SIGNAT	URE OF DRILLER	R / PRINT SIGNEE NAME	DATE	
FOF	OSE INTERI	NAL USE		WR-20 WE	LL RECORD & LOG (Ve	rsion 04/30/2019)

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

FILE NO.

LOCATION



APPENDIX B

Site Summary and Spill Remediation Proposal,

Dated August 21, 2019

Trinity Oilfield Services & Rentals, LLC



Environmental Site Summary & Spill Remediation Proposal

Company: BTA Oil Producers, LLC Address: 104 S. Pecos St., Midland, TX 79701 Telephone #: (432) 390-2828
Site Name: Gem 4,5,7,10 Battery 8705 JV-P NMOCD Reference#: 1RP-5309
Surface Owner: State of New Mexico Mineral Owner: State of New Mexico
Unit Letter: N Section: 2 Township: 208 Range: 33E County: Lea GPS Coordinates: 32.59584 N -103.63667 W
Date/Time of Release: 12/7/2018 Type of Release: □ Crude Oil ☑ Produced Water
Volume(s) Released: 6 bbls Volume(s) Recovered: 1 bbl
Closure Criteria for Impacted Soil (mg/kg; See Appendix C, "Closure Criteria Justification"):
Benzene: 10 BTEX: 50 GRO+DRO: 1,000 TPH: □ 100 Chloride: □ 600 □ 2,500 □ 10,000 □ 20,000 Background Information:
On December 7, 2018, BTA Oil Producers, LLC (BTA), discovered a release at the Gem 4,5,7,10 Battery, 8705 JV-P. Failure of a 45-degree connection on a 2-7/8-inch steel flowline from the battery to the salt water disposal (SWD) well resulted in the release of approximately 6 barrels (bbls) of produced water, which breached the earthen containment berm surrounding the battery. The spill and overspray affected a total area of the containment, caliche pad, and adjacent pasture measuring approximately 2,030 square feet. During initial response activities, the failed connection was repaired, and a vacuum truck was utilized to recover approximately 1 bbl of free-standing liquid. The release was reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office on December
18, 2018. The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On February 15, 2018, a hand auger was utilized to advance a series of 15 boreholes (SP-1 through SP-15) in the inferred impacted areas inside the containment area, on the caliche pad, and in the adjacent pasture to investigate the extent of impacted soil. The auger holes were advanced to total depths ranging from approximately 6 inches (SP-1 through SP-3, SP-5 through SP-7, and SP-9 through SP-14) to 6 feet (SP-4) below ground surface (bgs). Soil samples were collected at 6-inch to 1-foot vertical intervals and field-screened with a chloride test kit. Representative confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field screens indicated the release may have commingled with a historical release (or releases), and additional delineation was required to determine the extent of chloride contamination. However, vertical delineation of TPH and BTEX contamination had been achieved.

On February 18, 2019, a backhoe was utilized to advance a delineation trench in the area represented by auger hole SP-8 to further investigate the vertical extent of chloride contamination in the pasture. The trench was advanced to a total depth of approximately 13 feet bgs. Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit. Representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated delineation of TPH and BTEX contamination had been achieved. However, additional delineation was required to determine the extent of chloride contamination.

On March 8, 2019, a hand auger was utilized to re-enter auger holes SP-5, SP-9, SP-10, and SP-11 to further investigate the vertical extent of chloride contamination in those areas. The auger holes were advanced to total depths ranging from 5.5 feet (SP-9) to 6 feet bgs (SP-5, SP-10, and SP-11). Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit. Representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated delineation of

Trinity Oilfield Services & Rentals, LLC



Environmental Site Summary & Spill Remediation Proposal

Summary of Field Activities (cont.):

TPH and BTEX contamination had been achieved. However, additional delineation was required to determine the extent of chloride contamination in the area represented by auger hole SP-5.

On April 2, 2019, a backhoe was utilized to advance a delineation trench in the area represented by auger holes SP-4 and SP-5 (which are less than 10 feet apart), as well as re-enter and further advance delineation trench SP-8. The trenches were advanced to total depths ranging from approximately 13 feet (SP-4) to 16 feet (SP-8) bgs. Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit. Representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated delineation of chloride, TPH, and BTEX contamination had been achieved.

Locations of the auger holes and delineation trenches are depicted in Figure 2, "Site Plan". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D. Chloride field test results are summarized in Table 2.

Proposed Activities:

BTA proposes to conduct the following activities to progress the Gem 4,5,7,10 Battery, 8705 JV-P release site to an NMOCD- and NMSLO-approved closure:

- The areas represented by auger holes SP-10 and SP-11 will be excavated to a total depth of 2 feet bgs.
- The area represented by auger hole/delineation trench SP-4 will be excavated as necessary to remove all visibly stained soil, with anticipated depths ranging from 2 to 4 feet bgs.
- The areas represented by auger holes/delineation trenches SP-5, SP-8, and SP-9 will be excavated to total depths of 4 feet bgs. The excavations will be advanced horizontally to the areas represented by auger holes SP-1, SP-2, SP-3, SP-6, and SP-7. Representative 5-point composite soil samples will be collected from the sidewalls of the excavations and submitted to Cardinal Laboratories for confirmatory analyses of chloride, TPH, and BTEX concentrations using the EPA analytical methods listed in the "Summary of Field Activities" above. Each composite sample will represent an area measuring no larger than 200 square feet.
- No excavation or additional remediation will be conducted in the areas represented by auger holes SP-12, SP-13, and SP-14.
- All excavated soil will be stockpiled on 6-mil plastic, pending transfer to to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.
- The total volume of impacted soil to be excavated is approximately 226 cubic yards.
- All open excavations will be fenced off during periods of inactivity to prevent injury to oilfield personnel, livestock, and/or wildlife.
- Following remediation activities, the excavation(s) will be backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the surrounding topography. Prior to backfilling, 20-mil, impermeable, plastic liners and felt padding will be installed on the floors of the excavations in the areas represented by auger holes/delineation trenches SP-5 and SP-8. These engineered controls will serve to inhibit vertical migration of contaminants remaining in-situ.
- The aforementioned corrective actions will be completed within 45 days of receipt of approval of this proposal by the NMOCD and NMSLO. Upon completion of the proposed tasks, a "Remediation Summary & Closure Request" will be submitted to the NMOCD and NMSLO, documenting remediation activities and results of confirmation soil samples.

Trinity Oilfield Services & Rentals, LLC

TRINITY

8/21/2019

Ben J. Arguijo

Project Manager

Environmental Site Summary & Spill Remediation Proposal

Enclosures:

Figure 1: Site Location Map

Figure 2: Site Plan

Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

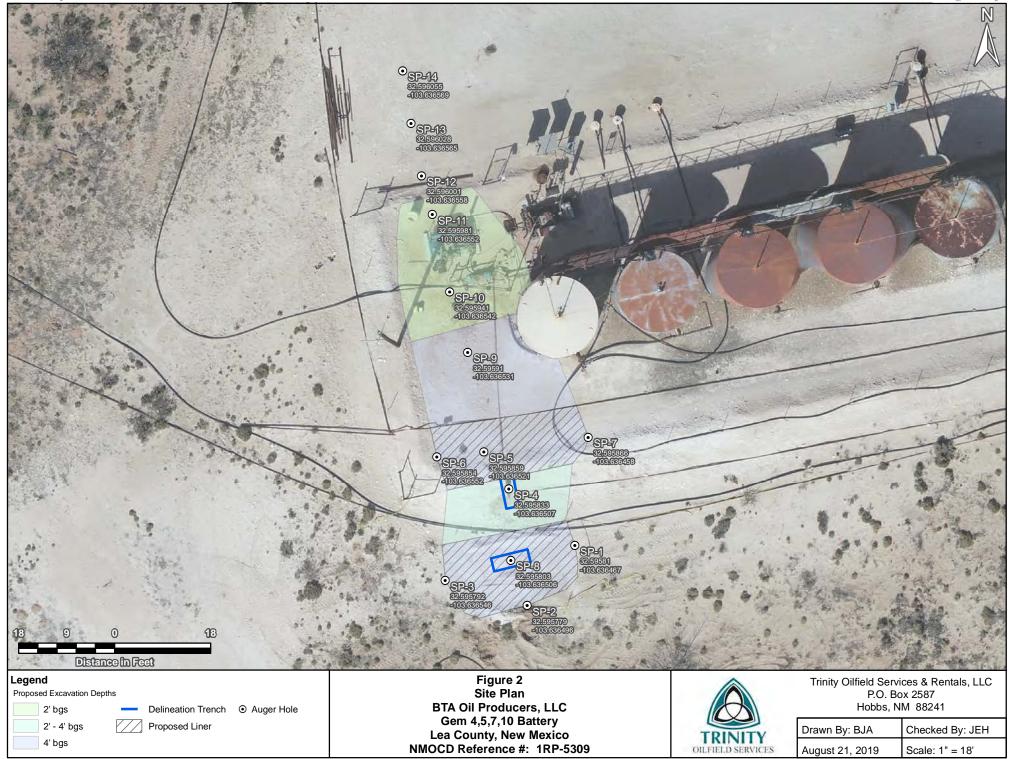
Table 2: Field Tests

Appendix A: Release Notification & Corrective Action (Form C-141)

Appendix B: Photographs

Appendix C: Closure Criteria Justification
Appendix D: Laboratory Analytical Results

Figures



Tables

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BTA OIL PRODUCERS, LLC GEM 4,5,7,10 BATTERY, 8705 JV-P LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: 1RP-5309



					EPA SW-	846 Metho	d 8021B			EPA SW-	846 Metho	od 8015M		EPA 300
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMO	CD Closure	Limit (mg/kg)		10	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-1	6"	2/15/2019	In-Situ	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP-2	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	112	112	85.5	198	192
SP-3	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP-4 @ 4.5'	4.5'	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,000
SP-4 @ 6'	6'	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,600
SP-4 @ 7'	7'	4/2/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	1,280
SP-4 @ 8'	8'	4/2/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	7,760
SP-4 @ 10'	10'	4/2/2019	In-Situ	-	-	-	-	-	-	-	-	-	-	6,480
SP-4 @ 13'	13'	4/2/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,760
SP-5	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	17,400
SP-5 @ 2'	2'	3/8/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	27,600
SP-5 @ 6'	6'	3/8/2019	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	26,400
														,
SP-6	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP-7	6"	2/15/2019	In-Situ	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
		3, 10, 20 10			101000	101000	.011.00							
SP-8 @ 4'	4'	2/18/2019	In-Situ	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
SP-8 @ 13'	13'	2/18/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,120
SP-8 @ 14'	14'	4/2/2019	In-Situ	_	-	-	-	-	-	-	-	-	-	2,360
SP-8 @ 16'	16'	4/2/2019	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
		, _,												
SP-9	6"	2/15/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	21,600
SP-9 @ 2'	2'	3/8/2019	In-Situ	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	34,000
SP-9 @ 5.5'	5.5'	3/8/2019	In-Situ	< 0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3.200
2. 0 0 0.0	0.0	2, 3, 23 . 0	53	10.000	10.000	10.000	1000	10.000	1.0.0	1.0.0	1.0.0	1.0.0	1.0.0	3,233
SP-10	6"	2/15/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	25,200
SP-10 @ 4'	4'	3/8/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,080
SP-10 @ 6'	6'	3/8/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7.200
5. 10 0 0	J	5,0,2010	111 0110	10.000	10.000	10.000	30.100	.0.000	110.0	110.0	110.0	110.0	110.0	7,200
SP-11	6"	2/15/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2.240
SP-11 @ 2.5'	2.5'	3/8/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,760
SP-11 @ 6'	6'	3/8/2019	In-Situ	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	97.6	97.6	<10.0	97.6	4,320
51 - 11 @ 0	J	3/3/2019	III-OILU	<0.000	20.000	40.000	20.130	\0.000	×10.0	37.0	37.0	×10.0	37.0	7,020

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

BTA OIL PRODUCERS, LLC GEM 4,5,7,10 BATTERY, 8705 JV-P LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: 1RP-5309



	EPA SW-846 Method 8021B					EPA SW-846 Method 8015M					EPA 300			
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMO	NMOCD Closure Limit (mg/kg)			10	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-12	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
SP-13	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
SP-14	6"	2/15/2019	In-Situ	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,320

^{- =} Not analyzed

TABLE 2 FIELD TESTS

BTA OIL PRODUCERS, LLC GEM 4,5,7,10 BATTERY, 8705 JV-P LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: 1RP-5309



				HACH QUANTAB
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	CHLORIDE (mg/Kg)
NMOCD	Closure Limi	20,000		
SP-1 @ 6"	6"	2/15/2019	In-Situ	292
<u> </u>				
SP-2 @ 6"	6"	2/15/2019	In-Situ	228
SP-3 @ 6"	6"	2/15/2019	In-Situ	168
SP-4 @ 2.5'	2.5'	2/15/2019	In-Situ	3,408
SP-4 @ 4.5'	4.5'	2/15/2019	In-Situ	6,076
SP-4 @ 6'	6'	2/15/2019	In-Situ	10,884
SP-5 @ 6"	6"	2/15/2010	In-Situ	11,888
SP-5 @ 6" SP-5 @ 2'	2'	2/15/2019 3/8/2019	In-Situ In-Situ	11,888
SP-5 @ 2 SP-5 @ 3'	3'	3/8/2019	In-Situ In-Situ	12,736
SP-5 @ 5 SP-5 @ 4'	3 4'	3/8/2019	In-Situ In-Situ	6,256
SP-5 @ 5'	5'	3/8/2019	In-Situ	15,636
SP-5 @ 6'	6'	3/8/2019	In-Situ	10,524
	Ü	3/0/2013	III-Oita	10,524
SP-6 @ 6"	6"	2/15/2019	In-Situ	<128
C . 3 3 3	J	2,10,2010	5.1.0.	1.20
SP-7 @ 6"	6"	2/15/2019	In-Situ	292
SP-8 @ 6"	6"	2/15/2019	In-Situ	1,156
SP-8 @ 1'	1'	2/15/2019	In-Situ	1,240
SP-8 @ 2'	2'	2/15/2019	In-Situ	1,156
SP-9 @ 6"	6"	2/15/2019	In-Situ	19,276
SP-9 @ 2'	2'	3/8/2019	In-Situ	15,636
SP-9 @ 4'	4'	3/8/2019	In-Situ	11,560
SP-9 @ 5.5'	5.5'	3/8/2019	In-Situ	1,432
CD 40 @ 6"	C"	0/45/0040	In City	17.070
SP-10 @ 6" SP-10 @ 2'	6" 2'	2/15/2019	In-Situ In-Situ	17,376 3.824
SP-10 @ 2 SP-10 @ 4'	4'	3/8/2019 3/8/2019	In-Situ In-Situ	7,396
SP-10 @ 4 SP-10 @ 6'	6'	3/8/2019	In-Situ In-Situ	6,256
31 - 10 @ 0	U	3/0/2019	III-Oitu	0,230
SP-11 @ 6"	6"	2/15/2019	In-Situ	1,924
SP-11 @ 2'	2'	3/8/2019	In-Situ	3,824
SP-11 @ 4'	4'	3/8/2019	In-Situ	2,500
SP-11 @ 6'	6'	3/8/2019	In-Situ	2,428
				, :==
SP-12 @ 6"	6"	2/15/2019	In-Situ	1,332
SP-13 @ 6"	6"	2/15/2019	In-Situ	4,348
SP-14 @ 6"	6"	2/15/2019	In-Situ	1,924

Appendices

Appendix A Release Notification & Corrective Action (Form C-141)

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	NCH1903263128
District RP	1RP-5309
Facility ID	
Application ID	pCH1903263832

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # NCH1903263128 GEM 4, 5, 7, 10
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	BATTERY, 8705 JV-P @ 30-025-31209

Location of Release Source

Latitude: 32.59584° Longitude: -103.63667°

(NAD 83 in decimal degrees to 5 decimal places)

		7, 10 Battery, 8			Site Type: Tank Battery				
Date Release	Discovered	: 12/7/2018		API# (if a	API# (if applicable) Nearest well: Gem #4 API #30-025-31209				
Unit Letter	Section	Township	Range	Co	ounty				
N	2	20S	33E	Lea					
urface Owne	r: 🛛 State	☐ Federal ☐ T	ribal 🔲 Private	(Name:)			
			Nature ar	nd Volume of	f Release				
	200	W. W							
Crude Oi		Volume Releas		ch calculations or speci	Volume Recovered				
☑ Produced Water		Volume Releas	ed (bbls) 6 BBL		Volume Recovered (bbls) 1 BBL				
		Is the concentra	tion of dissolved >10,000 mg/l?	chloride in the	☐ Yes ☐ No				
Condensa	ate	Volume Releas	ed (bbls)		Volume Recovered	(bbls)			
☐ Natural C	as	Volume Releas	ed (Mcf)		Volume Recovered	(Mcf)			
Other (de	escribe)	Volume/Weigh	t Released (provi	de units)	Volume/Weight Re	covered (provide units)			
C CD 1									
Cause of Rel		e connection i	n a 2-7/8" flov	vline leaving th	e Gem 4. 5. 7. 10 Ba	ittery, 8705 JV-P that			
	4 45 NEPLE								

Received by OCD: 6/9/2023 7:39:20 AM
Form C-141 State of New Mexico

Oil Conservation Division

Page 2

Page 28 of 83 Incident ID District RP Facility ID

Application ID

Was this a major If release as defined by 19.15.29.7(A) NMAC?	YES, for what reason(s) does the responsible party consider this a major release?
☐ Yes ⊠ No	
If YES, was immediate notic	the given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible party	y must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the release	e has been stonned.
	een secured to protect human health and the environment.
· ·	been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	verable materials have been removed and managed appropriately.
If all the actions described ab	bove have not been undertaken, explain why:
has begun, please attach a na	C the responsible party may commence remediation immediately after discovery of a release. If remediation arrative of actions to date. If remedial efforts have been successfully completed or if the release occurred rea (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are requestions all operators are requestions and public health or the environment failed to adequately investigate as	tion given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and uired to report and/or file certain release notifications and perform corrective actions for releases which may endanger it. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Bob Hall	Title: Environmental Manager
Signature: Pulifa	Date: 12/18/2018
email: bhall@btaoil.com	Telephone: 432-682-3753
OCD Only Received by: Received by:	IVED rnandez at 5:27 pm, Feb 01, 2019

Appendix B Photographs

BTA Oil Producers, LLC – Gem 4,5,7,10 Battery, 8705 JV-P

Unit Letter "N" (SE/SW), Section 2, Township 20S, Range 33E



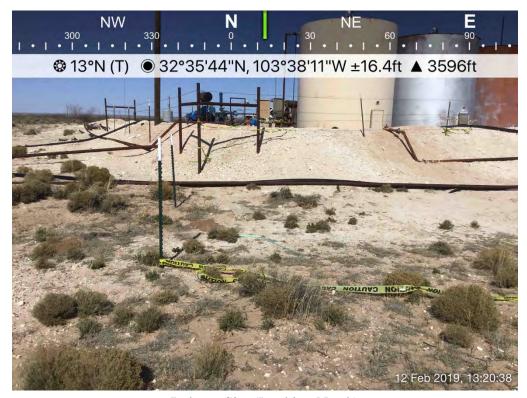
Release (Looking South-Southwest)



Release (Looking Southwest)

BTA Oil Producers, LLC – Gem 4,5,7,10 Battery, 8705 JV-P

Unit Letter "N" (SE/SW), Section 2, Township 20S, Range 33E



Release Site (Looking North)



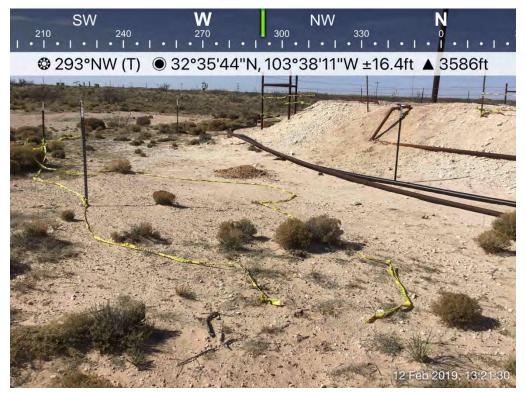
Release site (Looking Northeast)

BTA Oil Producers, LLC – Gem 4,5,7,10 Battery, 8705 JV-P

Unit Letter "N" (SE/SW), Section 2, Township 20S, Range 33E



Release Site (Looking East-Northeast)



Release Site (Looking West-Northwest)

Appendix C Closure Criteria Justification

TABLE 3 CLOSURE CRITERIA JUSTIFICATION

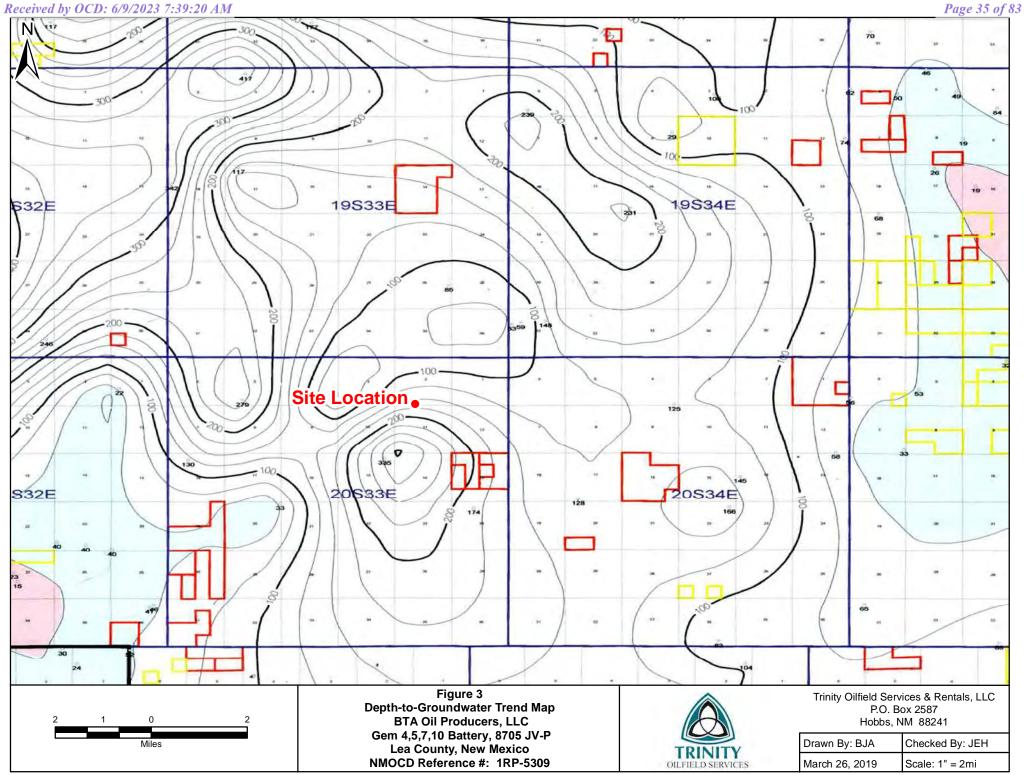
BTA OIL PRODUCERS, LLC GEM 4,5,7,10 BATTERY, 8705 JV-P LEA COUNTY, NEW MEXICO NMOCD REF. #: 1RP-5309

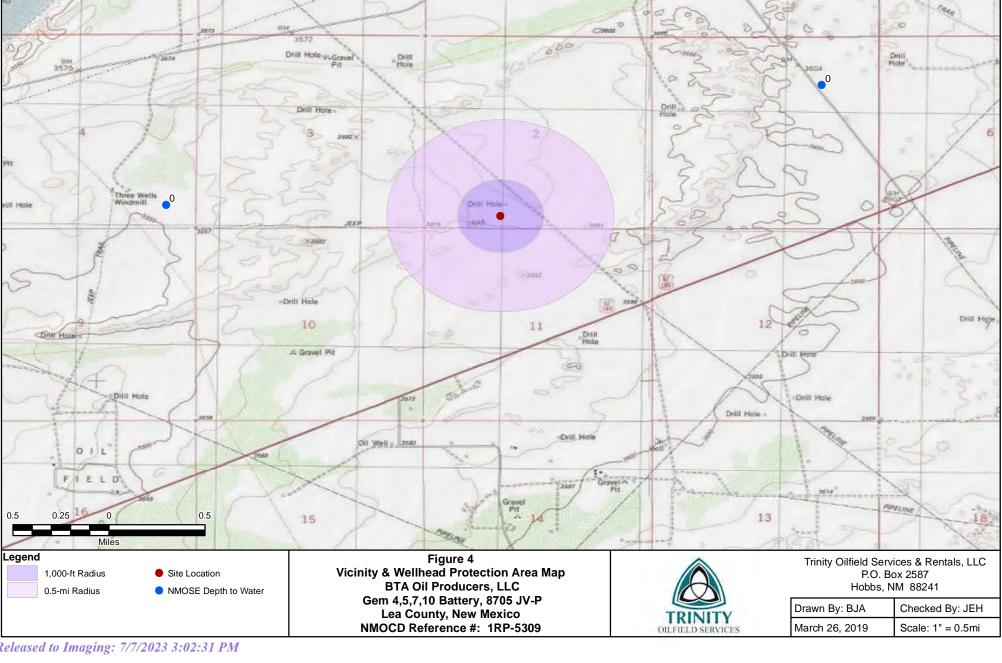


Groundwater, Water Wells & Other Water Sources						
Depth to groundwater (ft)?	160-165					
Horizontal distance (ft) from all water sources within 0.5 miles?	N/A					
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
Within 1000' of any fresh water well or spring?	No					
Surface Water						
Horizontal distance (ft) to nearest significant watercourse?	>1,000					
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No					
Within 200' of any lakebed, sinkhole or playa lake?	No					
Human-Occupied, Environmental & Other Areas						
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No					
Within 300' of a wetland?	No					
Within the area overlying a subsurface mine?	No					
Within an unstable area?	No					
Within a 100-year floodplain?	No					

Closure Criteria (mg/kg)*				
Benzene	BTEX	GRO + DRO	TPH	Chloride
10	50	1,000	2,500	20,000

^{*}Numerical limits or natural background level, whichever is greater







New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 627939.18 Northing (Y): 3607303.25 Radius: 1610

(1 mile)

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Appendix D Laboratory Analytical Reports



February 28, 2019

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: GEM 4,5,7,10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/21/19 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC BEN ARGUIJO

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 1 (H900697-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/25/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/23/2019	ND	191	95.3	200	1.12	
DRO >C10-C28*	<10.0	10.0	02/23/2019	ND	228	114	200	13.6	
EXT DRO >C28-C36	<10.0	10.0	02/23/2019	ND					
Surrogate: 1-Chlorooctane	95.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	99.9	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 2 (H900697-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/25/2019	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	112	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	85.5	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	81.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.6	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: BTA - LEA CO NM

Sample ID: SP - 3 (H900697-03)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/25/2019	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	104 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	106 %	6 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

Sample ID: SP - 4 @ 4.5' (H900697-04)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	02/25/2019	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	102	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

ma/ka

Sample ID: SP - 4 @ 6' (H900697-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	02/25/2019	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	99.9	% 41-142	•						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587

HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

ma/ka

Sample ID: SP - 5 (H900697-06)

RTFY 8021R

BIEX 8021B	mg,	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17400	16.0	02/25/2019	ND	432	108	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	95.7	% 41-142	,						
Surrogate: 1-Chlorooctadecane	99.1	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

ma/ka

Sample ID: SP - 6 (H900697-07)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	102	% 41-142	•						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 7 (H900697-08)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	103 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	106 9	37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/18/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 8 @ 4' (H900697-09)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	95.1	% 41-142	?						
Surrogate: 1-Chlorooctadecane	101	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC BEN ARGUIJO

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/18/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 8 @ 13' (H900697-10)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	?						
Surrogate: 1-Chlorooctadecane	112	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

ma/ka

Sample ID: SP - 9 (H900697-11)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2019	ND	1.91	95.3	2.00	4.32	
Toluene*	<0.050	0.050	02/27/2019	ND	2.10	105	2.00	2.86	
Ethylbenzene*	<0.050	0.050	02/27/2019	ND	2.25	113	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/27/2019	ND	6.43	107	6.00	4.22	
Total BTEX	<0.300	0.300	02/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21600	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	•						
Surrogate: 1-Chlorooctadecane	113	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

ma/ka

Sample ID: SP - 10 (H900697-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2019	ND	1.94	97.0	2.00	2.34	
Toluene*	<0.050	0.050	02/26/2019	ND	2.15	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	02/26/2019	ND	2.20	110	2.00	2.27	
Total Xylenes*	<0.150	0.150	02/26/2019	ND	6.35	106	6.00	2.82	
Total BTEX	<0.300	0.300	02/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	25200	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	•						
Surrogate: 1-Chlorooctadecane	113	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC **BEN ARGUIJO**

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 11 (H900697-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2019	ND	1.94	97.0	2.00	2.34	
Toluene*	<0.050	0.050	02/26/2019	ND	2.15	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	02/26/2019	ND	2.20	110	2.00	2.27	
Total Xylenes*	<0.150	0.150	02/26/2019	ND	6.35	106	6.00	2.82	
Total BTEX	<0.300	0.300	02/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	110 9	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: BTA - LEA CO NM

Sample ID: SP - 12 (H900697-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2019	ND	1.94	97.0	2.00	2.34	
Toluene*	<0.050	0.050	02/26/2019	ND	2.15	108	2.00	1.81	
Ethylbenzene*	< 0.050	0.050	02/26/2019	ND	2.20	110	2.00	2.27	
Total Xylenes*	<0.150	0.150	02/26/2019	ND	6.35	106	6.00	2.82	
Total BTEX	<0.300	0.300	02/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	107 9	% 41-142							
Surrogate: 1-Chlorooctadecane	112 %	6 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC **BEN ARGUIJO**

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 13 (H900697-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2019	ND	1.94	97.0	2.00	2.34	
Toluene*	<0.050	0.050	02/26/2019	ND	2.15	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	02/26/2019	ND	2.20	110	2.00	2.27	
Total Xylenes*	<0.150	0.150	02/26/2019	ND	6.35	106	6.00	2.82	
Total BTEX	<0.300	0.300	02/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	105 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	112 9	% 37.6-14	7						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC BEN ARGUIJO

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 02/21/2019 Sampling Date: 02/15/2019

Reported: 02/28/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

ma/ka

Sample ID: SP - 14 (H900697-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/26/2019	ND	1.94	97.0	2.00	2.34	
Toluene*	<0.050	0.050	02/26/2019	ND	2.15	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	02/26/2019	ND	2.20	110	2.00	2.27	
Total Xylenes*	<0.150	0.150	02/26/2019	ND	6.35	106	6.00	2.82	
Total BTEX	<0.300	0.300	02/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	02/25/2019	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/25/2019	ND	218	109	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/25/2019	ND	237	119	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	02/25/2019	ND					
Surrogate: 1-Chlorooctane	106	% 41-142	•						
Surrogate: 1-Chlorooctadecane	113	% 37.6-14	7						

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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2)/2023 7:39:20 AM

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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Released to Imaging: 7/7/2023 3:02:31 PM

Company Name:	Trinity Oilfield Services & Rentals,	LLC							BI	LL TO					ANALYSIS REQUEST
Project Manager:	Ben J. Arguijo						P.	0. #:	8	71.2					
Address: P.O. I	3ox 2587						Co	mpa	ny: BT	A Oil Produ	cers, LLC				
City: Hobbs	State: NM	Zip	88	3241			Att	in:		Bob Hall		1			
Phone #: (575):	390-7208 Fax #:						Ad	dres	s:	104 S. Ped	cos St.	1			
Project #:	Project Own	er: BT	A O	il Produ	cers	LLC	_	31243		Midland		1			
Project Name:	Gem 4,5,7,10 Battery								TX	-3.5	79701	3	1B)		
Project Location:								one:	A	(432)682-		915	802	0	
Sampler Name:								x #:	n.	(402)002	0,00	TPH (8015M)	BTEX (8021B)	Chloride	
FOR LAB USE ONLY					MAT	RIX	ji u		SERV.	SAMPLI	NG	4 ₽	BTE	S.	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME				
-1	SP-1	G	1		X				X	2/15/19	0905	X	X	Х	
2	SP-2	G	1		X				X	2/15/19	0908	X	X	Х	
3	SP-3	G	1		X			1	X	2/15/19	0909	Х	Х	X	
4	SP-4 @ 4.5'	G	1		Х				X	2/15/19	1057	X	X	X	
5	SP-4 @ 6'	G	1		X				X	2/15/19	1200	Х	X	X	
4	SP-5	G	1		X		Щ		X	2/15/19	1122	Х	X	X	
7	SP-6	G	1		X				X	2/15/19	1503	X	X	X	
.8	SP-7	G	1		X			141	X	2/15/19	1500	Х	Х	х	
9	SP-8 @ 4'	G	1		X				X	2/18/19	1057	Х	Х	X	
10	SP-8 @ 13'	G	1		X				X	2/18/19	1615	Х	X	X	

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Relinquished By:	Date:	Received By:	0	Phone Result:	☐ Yes	□ No	Add'l Phone #:
-1 11	2-21-19		1011/-	Fax Result:	☐ Yes	□ No	Add'I Fax #:
Jish Holent	Time:	Samara 1	States	REMARKS:			
Relinquished By:	Date:	Received By:				Call fo	or BTEX instructions.
The the	Time:		1 12 1 1 12 1 1 1 1	Plea	se e-ma	il result:	s to ben@trinityoilfieldservices.com
Delivered By: (Circle One)		Sample Condition Cool Intact	CHECKED BY: (Initials)			1 1 2 2 2 1	
Sampler - UPS - Bus - Other:	5.20	Han Pres Pres	TO.				

FORM-006 Revision 1.0 Page 20 of 20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Released to Imaging: 7/7/2023 3:02:31 PM

Company Name:	Trinity Oilfield Services & Rentals,	LLC								BI	LL TO					ANALYS	IS RI	EQUE	ST		
Project Manager:	Ben J. Arguijo							P.C	. #:					19			7 1				
Address: P.O. I	Box 2587							Cor	npan	y: BT	TA Oil Produ	cers, LLC									
City: Hobbs	State: NM	Zip:	88	3241				Attr			Bob Hall					111	111				
Phone #: (575):	390-7208 Fax #:							CTO	lress:		104 S. Ped	1.00		(II				1			. =
Project #:	Project Owne	er: BT	A Oi	il Pro	duce	rs, LL	_	City	an-seres		Midland										
Project Name:	Gem 4,5,7,10 Battery							Del Co	te:	TY		79701	Ê	18)							
Project Location:	Lea Co., NM								ne #:		100000		915	302	9						
Sampler Name:								Fax			(432)682-	3/33	TPH (8015M)	BTEX (8021B)	Chloride						
FOR LAB USE ONLY					M	ATRIX			PRESE	ERV.	SAMPLII	NG	4	31	Sho					1	
Lab I.D. <i>H906</i> 697	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE: ICE / COOL	OTHER:	DATE	TIME									
11	SP-9	G	1)	(X		2/15/19	1345	Х	Х	Х						
12	SP-10	G	1		>	(X		2/15/19	1349	X	Х	х						
13	SP-11	G	1		>	(X		2/15/19	1355	X	Х	X						
14	SP-12	G	1		>	(X		2/15/19	1454	X	Х	Х						
15	SP-13	G	1		>	(X		2/15/19	1522	X	Х	X						
16	SP-14	G	1		>	(X		2/15/19	1555	Х	Х	X						
		+			+	+		-		\vdash									-	-	
																			+		+
PLEASE NOTE: Liability and I	Damages. Cardinal's liability and client's exclusive remedy for an	ny claim a	rising	whethe	based	in contra	act or t	ort, sha	all be limit	ted to the	he amount paid by	the client for the	e								

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Relinquished By:	Date: 2-21-19	Received By:	non and a second	Phone Result:
Kelinguished By:	Time: /4.40 .	Received By:	Sldakyn	REMARKS:
The that	Time:			Call for BTEX instructions. Please e-mail results to ben@trinityoilfieldservices.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	5.2:	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	

FORM-006 Revision 1.0



March 15, 2019

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: GEM 4,5,7,10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/11/19 10:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC BEN ARGUIJO

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: 03/15/2019 Sampling Type: Soil
Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: BTA - LEA CO NM

mg/kg

Sample ID: SP - 5 @ 2' (H900958-01)

BTEX 8021B

BIEX GOEED	9	119	Andryzo	a 2 y 1 1113					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27600	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	107	% 41-142	•						
Surrogate: 1-Chlorooctadecane	110	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: Sampling Type: Soil 03/15/2019

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Project Number: Tamara Oldaker NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 5 @ 6' (H900958-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26400	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	104 %	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	108 9	37.6-14	7						

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: Sampling Type: Soil 03/15/2019

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 9 @ 2' (H900958-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142							
Surrogate: 1-Chlorooctadecane	106 9	37.6-14	7						

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Celeg D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: 03/15/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Project Number: Tamara Oldaker NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 9 @ 5.5' (H900958-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	106 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	111 9	% 37 6-1 <i>4</i>	7						

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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Celey D. Keine



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC **BEN ARGUIJO**

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: Sampling Type: Soil 03/15/2019

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 10 @ 4' (H900958-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	103 %	% 41-142							
Surrogate: 1-Chlorooctadecane	108 9	37.6-14	7						

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Celeg D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: Sampling Type: Soil 03/15/2019

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 10 @ 6' (H900958-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	< 0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	104 %	% 41-142							
Surrogate: 1-Chlorooctadecane	108 9	37.6-14	7						

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Celeg D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC **BEN ARGUIJO**

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: Sampling Type: Soil 03/15/2019

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact Project Number: Tamara Oldaker NONE GIVEN Sample Received By:

Project Location: BTA - LEA CO NM

Sample ID: SP - 11 @ 2.5' (H900958-07)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	03/14/2019	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	<10.0	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	100 9	% 41-142							
Surrogate: 1-Chlorooctadecane	103 9	% 37.6-14	7						

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Celeg D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 03/11/2019 Sampling Date: 03/08/2019

Reported: Sampling Type: Soil 03/15/2019

Project Name: Sampling Condition: Cool & Intact GEM 4,5,7,10 BATTERY Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 11 @ 6' (H900958-08)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2019	ND	2.12	106	2.00	0.322	
Toluene*	<0.050	0.050	03/13/2019	ND	1.93	96.4	2.00	1.65	
Ethylbenzene*	<0.050	0.050	03/13/2019	ND	2.06	103	2.00	1.32	
Total Xylenes*	<0.150	0.150	03/13/2019	ND	6.29	105	6.00	1.03	
Total BTEX	<0.300	0.300	03/13/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	03/14/2019	ND	416	104	400	3.77	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2019	ND	202	101	200	1.71	
DRO >C10-C28*	97.6	10.0	03/12/2019	ND	205	102	200	2.37	
EXT DRO >C28-C36	<10.0	10.0	03/12/2019	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	106	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Page 11 of 11

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Released to Imaging: 7/7/2023 3:02:31 PM

Company Name:	Trinity Oilfield Services & Rentals,	LLC		0.50					BI	LL TO					ANALYSIS	REQUES	T	
Project Manager:	Ben J. Arguijo						P.	0. #.					maj			TET		
Address: P.O. B	sox 2587						Co	mpa	any: B	TA Oil Produ	cers, LLC				1 1 1			
City: Hobbs	State: NM	Zip	: 88	3241			100	Attn: Bob Hall										
Phone #: (575)3	90-7208 Fax #:						Ad	Address: 104 S. Pecos St.								1 1		
Project #:	Project Own	er: BT	AO	il Pro	ducer	s, LL				Midland								
Project Name: 0	Gem 4,5,7,10 Battery							-	TX		79701	E	1B)					
Project Location:	Lea Co., NM						190	one		(432)682		015	802	ride	1 1 1	1 1		
Sampler Name: J								x #:		(432)362	-3/33	TPH (8015M)	BTEX (8021B)	Chloride				
FOR LAB USE ONLY					MA	TRIX			ESERV.	SAMPLI	NG	프	316	0	1 1 1	11 1		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME							
1	SP-5 @ 2'	G	1		X				X	3/8/19	0844	Х	X	X				
2	SP-5 @ 6'	G	1		Х				Х	3/8/19	1210	X	Х	Х				
3	SP-9 @ 2'	G	1		X	1			X	3/8/19	0901	X	Х	X				
4	SP-9 @ 5.5'	G	1		Х				X	3/8/19	1049	Х	X	Х				
5	SP-10 @ 4'	G	1		Х				X	3/8/19	1011	X	X	X				
6	SP-10 @ 6'	G	1		X				X	3/8/19	1055	Х	X	X				
7	SP-11 @ 2.5'	G	1		X				X	3/8/19	0924	Х	Х	Х				
8	SP-11 @ 6'	G	1		Х				X	3/8/19	1103	Х	Х	Х				
		-																
PLEASE NOTE: Liability and Da	amages. Cardinal's liability and client's exclusive remedy for a	ny claim :	arising	whether	based in	contra	act or tort, s	hall be	limited to t	he amount paid b	y the client for the	e			4 4 11			

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Relinquished By:	Date: Receiv Time: Receiv Time:	lawara 1	DalaKen	Phone Result:
Delivered Bv: (Circle One) Sampler - UPS - Bus - Other:	4.4 € #97	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	Please e-mail results to ben@trinityoilfieldservices.com

FORM-006 Revision 1.0



April 12, 2019

BEN ARGUIJO

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: GEM 4,5,7,10 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/10/19 9:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587

HOBBS NM, 88241 Fax To: NONE

Tax To. 140

 Received:
 04/10/2019
 Sampling Date:
 04/02/2019

 Reported:
 04/12/2019
 Sampling Type:
 Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 4 @ 7' (H901298-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Analyte Result 400 Chloride 1280 16.0 04/11/2019 ND 100 400 3.92

Sample ID: SP - 4 @ 8' (H901298-02)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 7760 16.0 04/11/2019 ND 400 100 3.92

Sample ID: SP - 4 @ 10' (H901298-03)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 6480 16.0 04/11/2019 ND 400 3.92 400 100

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 04/10/2019 Sampling Date: 04/02/2019

Reported: 04/12/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: BTA - LEA CO NM

Sample ID: SP - 4 @ 13' (H901298-04)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<0.050	0.050	04/10/2019	ND	1.93	96.4	2.00	7.46		
<0.050	0.050	04/10/2019	ND	1.97	98.4	2.00	8.17		
<0.050	0.050	04/10/2019	ND	1.98	99.1	2.00	9.97		
<0.150	0.150	04/10/2019	ND	5.86	97.6	6.00	10.1		
<0.300	0.300	04/10/2019	ND						
97.8	% 73.3-12	9							
mg/	kg	Analyze	d By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
7760	16.0	04/11/2019	ND	400	100	400	3.92		
mg/	kg	Analyze	d By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<10.0	10.0	04/10/2019	ND	209	104	200	0.845		
<10.0	10.0	04/10/2019	ND	194	97.2	200	3.96		
<10.0	10.0	04/10/2019	ND						
96.7	% 41-142								
92.8 9	% 37.6-14	7							
	<0.050 <0.050 <0.050 <0.150 <0.300 97.89 mg/ Result 7760 mg/ Result <10.0 <10.0 <96.79	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 97.8 % 73.3-12 mg/kg Result Reporting Limit 7760 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 41-142	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

BEN ARGUIJO P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/10/2019 Sampling Date: 04/03/2019

Reported: 04/12/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: BTA - LEA CO NM

Sample ID: SP - 8 @ 14' (H901298-05)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	04/11/2019	ND	400	100	400	3.92	

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Celey D. Keine



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC BEN ARGUIJO

P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received: 04/10/2019 Sampling Date: 04/03/2019

Reported: 04/12/2019 Sampling Type: Soil

Project Name: GEM 4,5,7,10 BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: BTA - LEA CO NM

Sample ID: SP - 8 @ 16' (H901298-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/10/2019	ND	1.93	96.4	2.00	7.46	
Toluene*	<0.050	0.050	04/10/2019	ND	1.97	98.4	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/10/2019	ND	1.98	99.1	2.00	9.97	
Total Xylenes*	<0.150	0.150	04/10/2019	ND	5.86	97.6	6.00	10.1	
Total BTEX	<0.300	0.300	04/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	04/11/2019	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2019	ND	209	104	200	0.845	
DRO >C10-C28*	<10.0	10.0	04/10/2019	ND	194	97.2	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	04/10/2019	ND					
Surrogate: 1-Chlorooctane	91.8	% 41-142	•						
Surrogate: 1-Chlorooctadecane	89.6	% 37.6-14	7						

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Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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7 to 7 egs9
Q A

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Page 1 of 1

Released to Imaging: 7/7/2023 3:02:31 PM

Company Name:	Trinity Oilfield Services & Rentals	LLC							BI	LL TO					ANALYSIS	REQUEST			
Project Manager:	Ben J. Arguijo						P	.O. Ŧ	#:										
Address: P.O. B	3ox 2587						C	omp	oany: BT	A Oil Produ	cers, LLC						0.00		
City: Hobbs	State: NM	Zip	: 88	3241				Attn: Bob Hall									1 (
Phone #: (575)3	90-7208 Fax #:						A	100000000000000000000000000000000000000		Address: 104 S. Pecos St. City: Midland									
Project #:	Project Own	er: BT	A Oi	l Produ	ucers	, LL	CC											1 1	
Project Name: 0	Gem 4,5,7,10 Battery							tate	: TX		79701	NS.	18)	a l	13.70.71		1 1		
Project Location:	Lea Co., NM							Phone #:		(432)682		200	3TEX (8021B)	prid					
Sampler Name: [Daniel Rasler							ax#		(,,,,,,,	30.7.7	TPH (8015M)	X	Chloride					
FOR LAB USE ONLY					MAT	RIX			RESERV.	SAMPLI	NG	1 1	BTI		8 8 1		1 1		
Lab I.D. H901 298	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE .	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME								
	SP-4 @ 7'	G	1		X				X	4/2/19	0911			Х					
2	SP-4 @ 8'	G	1		Х				X	4/2/19	0944			Х					
3	SP-4 @ 10'	G	1		X				X	4/2/19	1023			X					
4	SP-4 @ 13'	G	1		X				X	4/2/19	1104	X	Х	Х					
5	SP-8 @ 14'	G	1		X	ŀ		1	X	4/3/19	1121			X					
6	SP-8 @ 16'	G	1		X			L	X	4/3/19	1435	Х	X	X					
								L											
		-			-		_	\perp											
DI EASE NOTE: Linkille and D	amages. Cardinal's liability and client's exclusive remedy for	and a late						1	F. W. 47								10-3	<u>.</u>	

Relinquished By:	Date: OHIO / Received/By:	Phone Result:
Janiel Kasler	Time: 9:07	REMARKS:
Relinquished By: Fell & Pallaero	Date: 4/10/19 Time: 9:07 Received By: Aunata Adabage	Please e-mail results to ben@trinityoilfieldservices.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition CHECKED BY: Cool Intact (Initials) 4.9 # #97 No No	

FORM-006 Revision 1.0



APPENDIX C

Form C-141

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 NCH19032631 District RP 1RP-5309	
District RP	1RP-5309
Facility ID	
Application ID	pCH1903263832

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # NCH1903263128 GEM 4, 5, 7, 10
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	BATTERY, 8705 JV-P @ 30-025-31209

Location of Release Source

Latitude: 32.59584° Longitude: -103.63667°

Site Name: Gem 4, 5, 7, 10 Battery, 8705 JV-P

(NAD 83 in decimal degrees to 5 decimal places)

Site Type: Tank Battery

Unit Letter Section Township Range County N 2 20S 33E Lea Surface Owner: State Federal Tribal Private (Name:	
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) 6 BBL Volume Recovered (bbls) 1 BBL Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls)	
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) 6 BBL Volume Recovered (bbls) 1 BBL ☐ Is the concentration of dissolved chloride in the produced water >10,000 mg/l? ☐ Condensate Volume Released (bbls) Volume Recovered (bbls)	
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) 6 BBL Volume Recovered (bbls) 1 BBL ☐ Is the concentration of dissolved chloride in the produced water >10,000 mg/l? ☐ Condensate Volume Released (bbls) Volume Recovered (bbls)	
☐ Crude Oil Volume Released (bbls) Volume Recovered (bbls) ☐ Produced Water Volume Released (bbls) 6 BBL Volume Recovered (bbls) 1 BBL Is the concentration of dissolved chloride in the produced water >10,000 mg/l? ☐ Yes ☐ No ☐ Condensate Volume Released (bbls) Volume Recovered (bbls)	
✓ Produced Water Volume Released (bbls) 6 BBL Volume Recovered (bbls) 1 BBL Is the concentration of dissolved chloride in the produced water >10,000 mg/l? ☐ Yes ☐ No ☐ Condensate Volume Released (bbls) Volume Recovered (bbls)	ols)
Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls)	
produced water >10,000 mg/l? Condensate Volume Released (bbls) Volume Recovered (bbls)	ols) 1 BBL
Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	ols)
	cf)
Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)	ered (provide units)
Cause of Release	
Failure at a 45 degree connection in a 2-7/8" flowline leaving the Gem 4, 5, 7, 10 Battery, 8705 J	rv. 8705 JV-P that
connects to the SWD well.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Received by OCD: 6/9/2023 7:39:20 AM
Form C-141 State of New Mexico

Oil Conservation Division

Page 2

Page 79 of 83 Incident ID District RP Facility ID

	Application ID
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 noti	ice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
The responsible pa	Initial Response rty must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the releas	se has been stopped.
	been secured to protect human health and the environment.
Released materials have	e been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and reco	overable materials have been removed and managed appropriately.
If all the actions described a	above have not been undertaken, explain why:
has begun, please attach a within a lined containment	C the responsible party may commence remediation immediately after discovery of a release. If remediation narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are re public health or the environme failed to adequately investigate	nation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and quired to report and/or file certain release notifications and perform corrective actions for releases which may endanger ent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Bob Hall	Title: Environmental Manager
Signature: Polit	Date: 12/18/2018
email: bhall@btaoil.cor	m Telephone: 432-682-3753
	EIVED ernandez at 5:27 pm, Feb 01, 2019

of New Mexico

| Page 80 of 83 | Page 80 of 83

Incident ID	nCH1903263128
District RP	1RP-5309
Facility ID	
Application ID	pCH1903263832

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?	>105 (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 X 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 X 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 X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X 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 X No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver- contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	s.

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.

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	nCH1903263128
District RP	1RP-5309
Facility ID	
Application ID	pCH1903263832

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. Kelton Beaird Title: Environmental Manager Printed Name: Signature: email: kbeaird@btaoil.com Telephone: 432-312-2203 **OCD Only** 06/09/2023 Date: Received by: <u>Jocelyn Harimon</u>

Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID	nCH1903263128
District RP	1RP-5309
Facility ID	
Application ID	pCH1903263832

Remediation Plan

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: Kelton Beaird	Remediation Plan Checklist: Each of the following items must be included in the plan.		
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: Kelton Beaird	☐ 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		
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: Kelton Beaird	Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.		
□ 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: Kelton Beaird Title: Environmental Manager Date: 6-9-23 Telephone: 432-312-2203 Telephone: 432-312-2203 Date: 106/09/2023 Approved X Approved with Attached Conditions of Approval Denied Deferral Approved	Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility		
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: Kelton Beaird Title: Environmental Manager Date: 6-9-23 Telephone: 432-312-2203 Telephone: 432-312-2203 Deferral Approved Approved Approved with Attached Conditions of Approval Denied Deferral Approved	Extents of contamination must be fully delineated.		
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: Kelton Beaird	Contamination does not cause an imminent risk to human health, the environment, or groundwater.		
Received by: Jocelyn Harimon Date: O6/09/2023 Approved	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: Kelton Beaird Date: 6-9-23		
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved			
	Received by: Jocelyn Harimon Date: 06/09/2023		
<u>Signature:</u> <u>Date: 07/07/2023</u>	Approved X Approved with Attached Conditions of Approval Denied Deferral Approved		
1/2	<u>Signature:</u> <u>Date: 07/07/2023</u>		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 225743

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	225743
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	• The proposed delineation plan is approved with the following conditions: Please make sure the floor confirmation samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. Sidewall samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. • The proposed excavation activities are approved with the following conditions: Regarding the proposed installation of a liner at SP5 and SP8, operators may request a variance for any requirement of 19.15.29 NMAC. The variance request must include a detailed statement explaining the need for a variance and a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health, and the environment. Before a request for Variance can be considered the release must be fully delineated. • A revised Remediation/Closure report should be submitted no later than 10/05/2023	