

Excavation Map

6" Scrape 5 Pt. Bottom Comp.

Cl-	GRO	DRO	B	T	E	X	BTEX
64	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

RECEIVED

By OCD District 1 at 7:45 am, Jun 22, 2015

APPROVED

By OCD District 1 at 7:45 am, Jun 22, 2015

1. Ensure BLM approval/concurrence



Landowner: BLM
DGW: 53 ft

Source: Esri, DigitalGlobe, GeoEye, Getmapping, Aerogrid, IGN, IGP, sv

Legend

- ▲ SAMPLE POINT
- + SOURCE
- BURIED LINE
- 6 IN SCRAPE
- BATTERY
- STAIN 3,474 SQ FT



CONOCOPHILLIPS SEMU PERMIAN BATTERY

NMOCD Case #: 1RP-3139

UL K SECTION 19
T-20-S R-38-E
LEA COUNTY, NM

Underground facilities are spatially projected and need to be field verified.

0 50 100
Feet

GPS date: 7/23/14, 6/11/15 CF
Drawing date: 6/12/15
Drafted by: T. Grieco



ConocoPhillips SEMU Permian Battery

Unit Letter K, Section 19, T20S, R38E



6" Scrape Facing South West 6-11-15



6" Scrape Facing North East 6-11-15



June 12, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: SEMU PERMIAN BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/11/15 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 BASIN ENVIRONMENTAL - HOBBS
 KYLE NORMAN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 393-0293

Received:	06/11/2015	Sampling Date:	06/11/2015
Reported:	06/12/2015	Sampling Type:	Soil
Project Name:	SEMU PERMIAN BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COP		

Sample ID: 6" SCRAPE 5 PT. BOTTOM COMP (H501521-01)

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	06/12/2015	ND	1.99	99.5	2.00	0.229		
Toluene*	<0.050	0.050	06/12/2015	ND	1.98	98.9	2.00	0.356		
Ethylbenzene*	<0.050	0.050	06/12/2015	ND	2.10	105	2.00	0.167		
Total Xylenes*	<0.150	0.150	06/12/2015	ND	5.77	96.2	6.00	0.179		
Total BTEX	<0.300	0.300	06/12/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/12/2015	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/12/2015	ND	185	92.5	200	8.83		
DRO >C10-C28	<10.0	10.0	06/12/2015	ND	185	92.7	200	7.04		

Surrogate: 1-Chlorooctane 95.1 % 47.2-157
Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- 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



Celey D. Keene, Lab Director/Quality Manager

