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

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

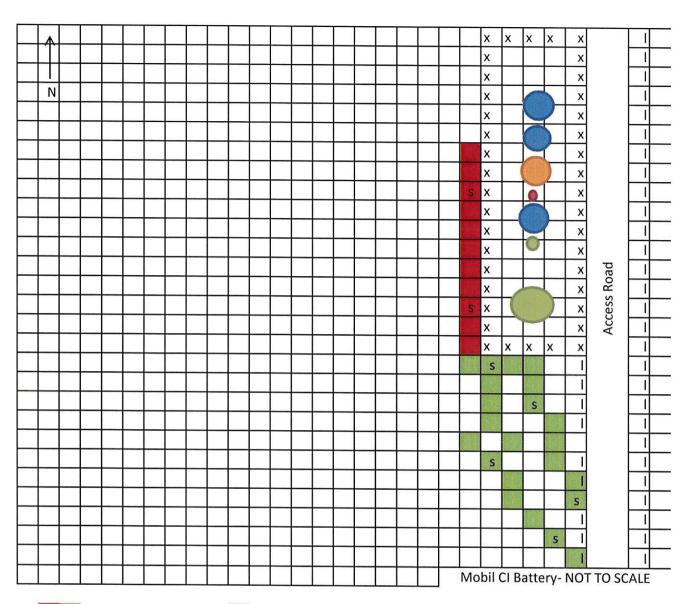
Form C-141

Revised August 8, 2011

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

Release Notification	on and Corrective Actio	n		
	OPERATOR	☐ Initial :	Report 🛛	Final Report
Name of Company	Contact			
Yates Petroleum Corporation	Chase Settle			
Address 104 S. 4 th Street, Artesia, NM 88210	Telephone No.			
Facility Name	575-748-4171 Facility Type			
Mobil CI Federal Battery	Battery			
	•			
Surface Owner Mineral Owner Private Federal		API No.	2252	
Private Federal		30-015-23	3273	
	ON OF RELEASE			
Unit LetterSectionTownshipRangeFeet from theNortJ619S25E1650'Sout		Accessor and a second s	County Eddy	
Latitude 32.688	17 Longitude <u>-104.52145</u>		<u>-</u> -	
NATURI	E OF RELEASE			
Type of Release	Volume of Release	Volume Red	covered	
Crude Oil Source of Release	7 B/O	2 B/O	CD:	
Flow line failure from Mobil CI Fed. #7 to Mobil CI Fed. Battery	Date and Hour of Occurrence 11/22/2014; AM	11/22/2014;	our of Discovery; AM	
Was Immediate Notice Given?	If YES, To Whom?			
☐ Yes ☐ No ☒ Not Require				
By Whom? N/A	Date and Hour N/A			
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	itercourse.	*	
☐ Yes ☒ No	N/A			
If a Watercourse was Impacted, Describe Fully.* N/A				
Describe Cause of Problem and Remedial Action Taken.*				
Failure of the flow line from the Mobil CI Fed. #7 to the Mobil CI Fed. Describe Area Affected and Cleanup Action Taken.*	Battery caused a release of crude oil.			
An approximate area of 240' X 15' was affected behind the bermed batt	ery running south into the pasture as ty	vo fingers. Va	cuum trucks wer	e called to
remove standing fluid, and impacted soil will be removed and taken to a	in NMOCD approved facility. Vertical	l and horizonta	al delineation sam	ples will be
taken and analysis ran for TPH & BTEX (chlorides for documentation).	If initial analytical results for TPH &	BTEX are und	ler RRAL's (site	ranking is 0)
a Final Report, C-141 will be submitted to the OCD requesting closure. OCD. Depth to Ground Water: >100' (approximately 225', Section	If the analytical results are above the l	RRAL a work p	plan will be subn	nitted to the
Surface Water Body: >1000', SITE RANKING IS 0. Based on anal	vtical date. Yates Petroleum request	nneau Frotect s closure.	uon Area: No, D	istance to
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	and that pursua	ant to NMOCD r	ules and
regulations all operators are required to report and/or file certain release	notifications and perform corrective a	ctions for relea	ses which may e	ndanger
public health or the environment. The acceptance of a C-141 report by	the NMOCD marked as "Final Report"	does not reliev	ve the operator o	fliability
should their operations have failed to adequately investigate and remedi or the environment. In addition, NMOCD acceptance of a C-141 report	ate contamination that pose a threat to	ground water,	surface water, hu	man health
federal, state, or local laws and/or regulations.	does not reneve the operator of respon	isionity for con	inpirance with an	y other
11 1	OIL CONSER	VATION I	DIVISION	
0:				
Signature:		•		
Printed Name: Chase Settle	Approved by Environmental Special	ist:		
Title: NM Environmental Regulatory Agent	Approval Date:	Expiration Da	ate:	
E-mail Address: csettle@yatespetroleum.com	Conditions of Approval:		A. 1 1 -	
Date: 12/19/2014 Phone: 575 749 4171	=:::		Attached	

^{*} Attach Additional Sheets If Necessary



Release Area S1 Sample Location S S2 Sample Location

Analytical Report-							
H403708	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO
S1-1'	Release Area	12/3/2014	Backhoe	1'	<0.3	19.6	331
S1-2'	Release Area	12/3/2014	Backhoe	2'	<0.3	<10.0	<10.0
S1-3'	Release Area	12/3/2014	Backhoe	3'	<0.3	<10.0	102
S1-4 ¹	Release Area	12/3/2014	Backhoe	4'	<0.3	<10.0	<10.0
S2-1'	Release Area	12/3/2014	Backhoe	1'	<0.3	<10.0	<10.0
S2-2 ¹	Release Area	12/3/2014	Backhoe	2'	<0.3	<10.0	<10.0
S2-3 ¹	Release Area	12/3/2014	Backhoe	3'	<0.3	<10.0	<10.0
S2-4 ¹	Release Area	12/3/2014	Backhoe	4'	<0.3	<10.0	<10.0

Site Ranking is Zero (0). DTGW >100' (approx 225', Section 6, T19S-R25E, Trend Map)
All results are ppm.

Released: 7 B/0; Recovered: 2 B/O Release Date: 11/22/2014



December 10, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MOBIL CL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/04/14 11:10.

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 accredited 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.

Celes 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



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

12/04/2014

Sampling Date:

12/03/2014

Reported:

Sampling Type:

Soil

Project Name:

12/10/2014 MOBIL CL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

205-0750

Project Location:

NONE GIVEN

Sample Received By:

Kathy Perez

Sample ID: S1 - 1' (H403708-01)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	0.073	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	0.225	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 %	6 61-154							
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19.6	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	331	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	126 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	153 %	6 52.1-17	6						

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 whatsoever 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.

Celeg & Freene



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 12/04/2014

12/10/2014

205-0750

NONE GIVEN

Project Name:

MOBIL CL BATTERY

Project Number: Project Location: Sampling Date:

Sampling Type:

12/03/2014

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S1 - 2' (H403708-02)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.4	% 61-154	rs						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	<10.0	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	124 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	141 9	52.1-17	6						

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 whatsoever 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.





YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/04/2014

Reported:

12/10/2014

Project Name: Project Number: MOBIL CL BATTERY

Project Location:

205-0750 NONE GIVEN Sampling Date:

12/03/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S1 - 3' (H403708-03)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	- State - 1, 2 most
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95.1	% 61-154	a						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	103 € 1709 (1456)
DRO >C10-C28	102	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	126 9	6 47.2-157	7					· · · · · · · · · · · · · · · · · · ·	
Surrogate: 1-Chlorooctadecane	149 9	6 52.1-170	5						

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 whatsoever 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.

Celler & Kreene



YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/04/2014

Reported:

12/10/2014

Project Name:

MOBIL CL BATTERY

Project Number: Project Location:

205-0750 NONE GIVEN Sampling Date:

12/03/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S1 - 4' (H403708-04)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.3	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	<10.0	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	126 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	143 9	52.1-176	5						

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 whatsoever 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.





YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

12/04/2014

Reported:

12/10/2014

Project Name:

MOBIL CL BATTERY

Project Number: Project Location:

205-0750 NONE GIVEN Sampling Date:

Pate: 12/03/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S2 - 1' (H403708-05)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.4	% 61-154							
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	<10.0	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	130 5	% 47.2-15:	7					***************************************	
Surrogate: 1-Chlorooctadecane	146 9	% 52.1-170	6						

Cardinal Laboratories

*=Accredited Analyte

PLESE 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 whatsoever 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.





YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/04/2014

Reported:

12/10/2014

Project Name:

MOBIL CL BATTERY

Project Number: Project Location:

205-0750 NONE GIVEN Sampling Date:

12/03/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S2 - 2' (H403708-06)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	93.5	% 61-154							
TPH 8015M	mg/	kg	Analyze	d By: CK	and the same of th				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	<10.0	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	123 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	137 9	52.1-17	6						

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 whatsoever 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.





YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

12/04/2014

Reported:

12/10/2014

Project Name:

MOBIL CL BATTERY

Project Number:

205-0750 Project Location: NONE GIVEN Sampling Date:

12/03/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S2 - 3' (H403708-07)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	93.5	% 61-154							
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	<10.0	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	117 9	% 47.2-152	7						
Surrogate: 1-Chlorooctadecane	130 9	% 52.1-170	6						

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 whatsoever 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.





YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received: Reported: 12/04/2014

12/10/2014

Project Name: Project Number: MOBIL CL BATTERY

Project Location:

205-0750 NONE GIVEN Sampling Date:

12/03/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

Sample ID: S2 - 4' (H403708-08)

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	12/09/2014	ND	1.87	93.7	2.00	3.16	
Toluene*	<0.050	0.050	12/09/2014	ND	1.72	86.2	2.00	3.97	
Ethylbenzene*	<0.050	0.050	12/09/2014	ND	1.63	81.5	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/09/2014	ND	4.90	81.6	6.00	2.34	
Total BTEX	<0.300	0.300	12/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.0	% 61-154	W						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/06/2014	ND	195	97.6	200	0.501	
DRO >C10-C28	<10.0	10.0	12/06/2014	ND	202	101	200	1.55	
Surrogate: 1-Chlorooctane	121 5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	140 9	52.1-17	6						

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 whatsoever 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.





Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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

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 whatsoever 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.

Celeg & Kreene -

	Relinquished by:	Relinquished by:	Dolinguehad by	Special Instructions:			8 52-4'	S2-3'	6 52-2'	S 52-1'	4 81-4		S1-2'	S1-1'	.AB # (lab use only)	ORDER #: HY	Tob spoons	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Comp: (505)	Project Manager:
		12-													FIELD CODE	H403708		nature:	Vo: 575-748-4171	p: Artesia, NM 88210	ddress: 105 South 4th Street	326	ager: Chase Settle
	Date	/2-4-74 Date	Date				and the second second											4	7			poration	
															Beginning Depth								
	Time	Time	Time			1									Ending Depth								
	Received by ELOT:	Received by	Received by:				12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	12/3/2014	Date Sampled	-							
	OT:	the state of)			4:00 PM	4:00 PM	4:00 PM	4:00 PM	2:00 PM	2:00 PM	2:00 PM	2:00 PM	Time Sampled			e-mail:	Fax No:				
		6	1				1								Field Filtered			10	l on				
		7			-						>	-	1	1	Total #. of Containers	+		se	575-748-4131				
		17			-	-	×	×	×	×	×	×	×	×	HNO ₃	Pre		tte	48-4				
		OK.			-	+	+	+	+-	-	+-	+	+	+	HCI	Preservation & # of C		csettle@yatespe	131				
					-	\dashv	+	+	+-	+	+	-	+	+	H ₂ SO ₄	tion &		ate					
					-	+	+	+	+	+-	T	T	T	\dagger	NaOH	# 9		spe					
			1		-	\top	-	+	T	1	†	T	+	†	Na ₂ S ₂ O ₃								
+		0>	\neg		r			\top	T		T		1	T	None	ontainers		9				İ	
	0		D		r										Other (Specify)			3					1
	Date	Date	Date		Г			T	T	T	T				DW=Drinking Water SL≈Sludge	3		troleum.com	20				
L		-	•				S	S	S	S	S	S	S	S	GW = Groundwater S=Soil/Solid	Matrix		I	epor		_		Pr
	-		1		-	_	-		-	1	+	-	-	+	NP=Non-Potable Specify Other TPH: 418.1 8015M 801	5B	П	٦	Ť.		Proj	70	ojec
	Time	Time			-	_	_ <u> ×</u>	×	×	×	×	×	×	×	TPH: TX 1005 TX 1006				Report Format:	סד	Project Loc:	Project #:	Project Name:
}			-	< 0	-	+	+	+	+	+	+-	+	+	+	Cations (Ca, Mg, Na, K)				r.	0	Coc	#	me:
	em	ustr amı b	abe	OC	abo	+	+	+	+	+	+	+	+	+	Anions (CI, SO4, Alkalinity)	\dashv_{\sharp}			×	20			
	Temperature Upon Receipt:	Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep.? by Courier? UPS	Labels on container(s) Custody seals on container(s)	Sample Containers Intact? VOCs Free of Headspace?	Laboratory Comments:	+	+	+	+	+	+	+	+	+	SAR/ESP/CEC	TOTAL:	TCLP:		x Standard	PO #: 205-0750			
	ture	seals land mple unier	con	e of	3	+	+	+	+	+	+	+	+	+	Metals: As Ag Ba Cd Cr Pb Hg		\Box	P	inda	50			
	Upo	Del On	tain	He	on	+	+	+	+	+	+	+	+	+	Volatiles		\prod	Analyze	ā				
	ž	iverd iverd	er(s	adsp adsp	men	+		+	+	+	+	+	+	+	Semivolatiles		\sqcap	7e F			Mo		Mo
	ecei	Rep PS	taine	tact	its:	-	×	×	×	×	×	×	×	- ×	BTEX 8021B/5030 or BTEX 82	260	$\dagger \dagger$	For			Mobil		bil
	유	0 3	er(s)	22	-	+	+	+	+	+	+	+	+		RCI				TRRP		0		C
	-	H.	5		-	\dashv	+	+	+	+	+	+	+	+	N.O.R.M.			1	R		Battery		Mobil Cl Battery
tr	à	T)			ŀ	\dashv	+	+	+	+	+	+		\top	Chlorides			1			ery		ery
4	0	~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	RA	R)	\dashv	+	+	+	+	+	\dagger	+	\top	SAR								
-	10	9	•		1	\dashv	\dashv	+	+	+	\top	+	+						NPDES				
		× -	Te	550	+	-	+	+	+	+	+	+	1	+	RUSH TAT (Pre-Schedule) 2	4, 48, 72 1	rs		DES				
	ဂိ	Lone Star	zz	ZZ	- 1	- 1	- 1																e 11