

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2008



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
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JOHN A. YATES
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JAMES S. BROWN
CHIEF OPERATING OFFICER

November 6, 2014

Mr. Mike Bratcher/Mrs. Heather Patterson
NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Carl TP Com #1
30-015-26138
Section 22, T20S-R24E
Eddy County, New Mexico

Mr. Bratcher/Mrs. Patterson,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated August 28, 2014.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of November 24, 2014.

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

YATES PETROLEUM CORPORATION

Chase Settle
Environmental Regulatory Agent

Enclosure(s)

KATHY H. PORTER
SECRETARY

DENNIS G. KINSEY
TREASURER



Yates Petroleum Corporation

Carl TP Com #1 Work Plan

Section 22, T20S-R24E

Eddy County, New Mexico

November 6, 2014

I. Location

The battery is located 15 miles south of Artesia on US 285, west approximately 8 miles on Rock Daisy Road, then south on Sawbuck Road 5 miles, and approximately 0.15 of a mile northeast on the lease road.

II. Background

On August 28, 2014, Yates submitted to the NMOCD District II office a Form C-141 for the release of an unknown amount with none recovered. The total affected area was approximately 300 feet by 125 feet outside the bermed battery to the east. This release was not promptly reported, so the cause is also unknown. Initial delineation samples were taken at the S1, S2, S3, and S4 sample points in the release area (8/29/2014) and sent to a NMOCD approved laboratory (9/11/2014, results enclosed). Based on analytical results (9/11/2014), Yates determined that further sampling was needed. Additional delineation samples were taken in the release area (10/8/2014) and sent to a NMOCD approved laboratory (10/14/2014, results enclosed). Based on analytical results (10/14/2014), NMOCD determined that further sampling was needed in the S1 and S3 areas. Additional delineation samples were taken from the S1 and S3 release area (10/28/2014) and sent to a NMOCD approved laboratory (11/3/2014, results enclosed).

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 22, T20S-R24E) that depth to groundwater is approximately 250 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the as following:

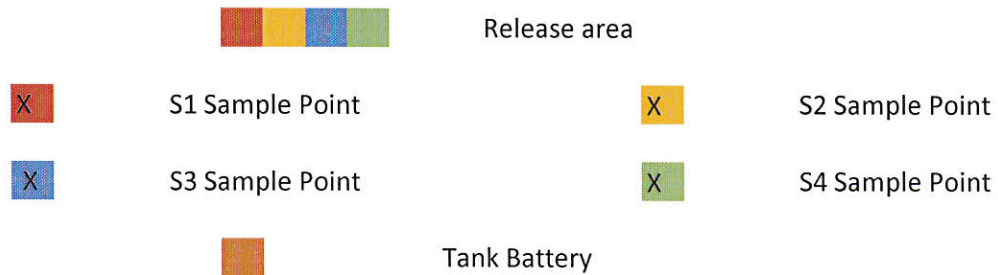
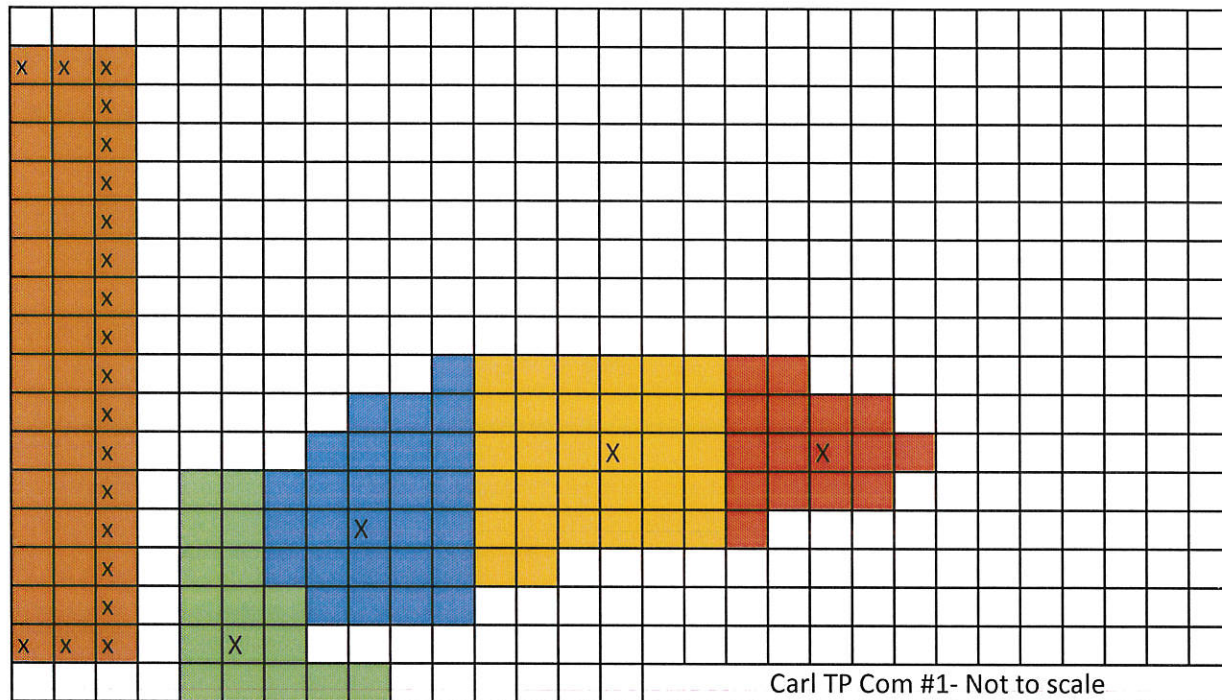
Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

The area consists of soils that are loamy topsoil and caliche, which are interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on enclosed analytical results, the depth to groundwater (250'), and a decrease in chlorides, Yates Petroleum Corporation will excavate four (4) feet in the release then backfill with two (2) feet of caliche and two (2) feet of like/similar topsoil allowing for repopulation of vegetation which will provide for protection from groundwater contamination. This area does receive rushing flood waters during times of heavy precipitation making the use of a synthetic liner impracticable. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0) in the release area, no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation). When remediation work is completed a C-141, Final Report will be submitted to the NMOCD requesting closure of the site.



Site Ranking is Zero (0). >100' (250', Section 22, T20S-R24E, Trend Map
 All results are ppm. Chlorides for documentation
 Released: Unknown ; Recovered: None Release Date: Unknown, Discovered- 8/19/2014

H402737	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	6720
S1-2'	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	10500
S1-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	7200
S2-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	3240
S2-2'	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	1440
S2-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	288
S3-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	9330
S3-2'	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	10000
S3-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	9600
S4-1'	Release Area	8/29/2014	Backhoe	1'	<0.3	<10.0	<10.0	7730
S4-2'	Release Area	8/29/2014	Backhoe	2'	<0.3	<10.0	<10.0	8530
S4-3'	Release Area	8/29/2014	Backhoe	3'	<0.3	<10.0	<10.0	9200
H403104	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	1140
S1-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	944
S1-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	1410
S1-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	2120
S2-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	3280
S2-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	240
S2-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	432
S2-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	544
S3-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	7760
S3-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	6320
S3-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	7280
S3-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	4000
S4-4'	Release Area	10/8/2014	Backhoe	4'	N/A	N/A	N/A	1760
S4-5'	Release Area	10/8/2014	Backhoe	5'	N/A	N/A	N/A	2160
S4-6'	Release Area	10/8/2014	Backhoe	6'	N/A	N/A	N/A	2520
S4-7'	Release Area	10/8/2014	Backhoe	7'	N/A	N/A	N/A	848
H403348	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-8'	Release Area	10/28/2014	Backhoe	8'	N/A	N/A	N/A	2440
S1-9'	Release Area	10/28/2014	Backhoe	9'	N/A	N/A	N/A	768
S1-10'	Release Area	10/28/2014	Backhoe	10'	N/A	N/A	N/A	1150
S1-11'	Release Area	10/28/2014	Backhoe	11'	N/A	N/A	N/A	976
S3-8'	Release Area	10/28/2014	Backhoe	8'	N/A	N/A	N/A	6000
S3-9'	Release Area	10/28/2014	Backhoe	9'	N/A	N/A	N/A	1170
S3-10'	Release Area	10/28/2014	Backhoe	10'	N/A	N/A	N/A	1640
S3-11'	Release Area	10/28/2014	Backhoe	11'	N/A	N/A	N/A	592

September 11, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: CARL TB COM #1

Enclosed are the results of analyses for samples received by the laboratory on 09/04/14 10:15.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S1-1' (H402736-01)

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	09/08/2014	ND	1.70	85.1	2.00	4.89		
Toluene*	<0.050	0.050	09/08/2014	ND	1.56	78.1	2.00	5.39		
Ethylbenzene*	<0.050	0.050	09/08/2014	ND	1.47	73.5	2.00	5.20		
Total Xylenes*	<0.150	0.150	09/08/2014	ND	4.50	75.0	6.00	6.07		
Total BTEx	<0.300	0.300	09/08/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6720	16.0	09/10/2014	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	09/05/2014	ND	167	83.6	200	2.35		
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	191	95.3	200	1.32		

Surrogate: 1-Chlorooctane 81.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.0 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S1-2' (H402736-02)

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	09/08/2014	ND	1.70	85.1	2.00	4.89	
Toluene*	<0.050	0.050	09/08/2014	ND	1.56	78.1	2.00	5.39	
Ethylbenzene*	<0.050	0.050	09/08/2014	ND	1.47	73.5	2.00	5.20	
Total Xylenes*	<0.150	0.150	09/08/2014	ND	4.50	75.0	6.00	6.07	
Total BTEX	<0.300	0.300	09/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10500	16.0	09/10/2014	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	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	

Surrogate: 1-Chlorooctane 76.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S1-3' (H402736-03)

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	09/09/2014	ND	1.89	94.7	2.00	8.34		
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25		
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62		
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43		
Total BTEX	<0.300	0.300	09/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	09/10/2014	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	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	

Surrogate: 1-Chlorooctane 83.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/11/2014
Project Name: CARL TB COM #1
Project Number: NONE GIVEN
Project Location: CARL TB COM #1

Sampling Date: 08/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S2-1' (H402736-04)

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	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	09/10/2014	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	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	

Surrogate: 1-Chlorooctane 79.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.4 % 63.6-154

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Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S2-2' (H402736-05)

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	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	09/10/2014	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	09/06/2014	ND	167	83.6	200	2.35	
DRO >C10-C28	<10.0	10.0	09/06/2014	ND	191	95.3	200	1.32	

Surrogate: 1-Chlorooctane 82.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S2-3' (H402736-06)

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	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	

Surrogate: 1-Chlorooctane 90.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S3-1' (H402736-07)

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	09/09/2014	ND	1.89	94.7	2.00	8.34		
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25		
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62		
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43		
Total BTEx	<0.300	0.300	09/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9330	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28		
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25		

Surrogate: 1-Chlorooctane 95.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 09/04/2014
 Reported: 09/11/2014
 Project Name: CARL TB COM #1
 Project Number: NONE GIVEN
 Project Location: CARL TB COM #1

 Sampling Date: 08/29/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S3-2 (H402736-08)

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	09/09/2014	ND	1.89	94.7	2.00	8.34		
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25		
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62		
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43		
Total BTEX	<0.300	0.300	09/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28		
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25		

Surrogate: 1-Chlorooctane 91.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S3-3' (H402736-09)

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	09/09/2014	ND	1.89	94.7	2.00	8.34		
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25		
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62		
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43		
Total BTEX	<0.300	0.300	09/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9600	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28		
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25		

Surrogate: 1-Chlorooctane 99.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/04/2014
Reported: 09/11/2014
Project Name: CARL TB COM #1
Project Number: NONE GIVEN
Project Location: CARL TB COM #1

Sampling Date: 08/29/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S4-1' (H402736-10)

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	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7730	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28		
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25		

Surrogate: 1-Chlorooctane 97.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S4-2' (H402736-11)

BTX 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	09/09/2014	ND	1.89	94.7	2.00	8.34		
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25		
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62		
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43		
Total BTX	<0.300	0.300	09/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8530	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	

Surrogate: 1-Chlorooctane 96.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/04/2014	Sampling Date:	08/29/2014
Reported:	09/11/2014	Sampling Type:	Soil
Project Name:	CARL TB COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TB COM #1		

Sample ID: S4-3' (H402736-12)

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	09/09/2014	ND	1.89	94.7	2.00	8.34	
Toluene*	<0.050	0.050	09/09/2014	ND	1.70	85.0	2.00	8.25	
Ethylbenzene*	<0.050	0.050	09/09/2014	ND	1.57	78.4	2.00	8.62	
Total Xylenes*	<0.150	0.150	09/09/2014	ND	4.86	81.0	6.00	7.43	
Total BTEX	<0.300	0.300	09/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	09/10/2014	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	09/05/2014	ND	212	106	200	4.28	
DRO >C10-C28	<10.0	10.0	09/05/2014	ND	211	106	200	5.25	

Surrogate: 1-Chlorooctane 94.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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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

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Chase Settle

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4171

Sampler Signature:

e-mail: csettle@yatespetroleum.com

Fax No: 575-748-4131

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name: Carl TB Com #1

Project #:

Project Loc: Carl TB Com #1

PO #: 205750

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix	Analyze For																	
									Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT		
1	S1-1'				8/29/2014	11:45 AM		1	X								S	X															X	
2	S1-2'				8/29/2014	11:45 AM		1	X								S	X															X	
3	S1-3'				8/29/2014	11:45 AM		1	X								S	X															X	
4	S2-1'				8/29/2014	12:00 PM		1	X								S	X															X	
5	S2-2'				8/29/2014	12:00 PM		1	X								S	X															X	
6	S2-3'				8/29/2014	12:00 PM		1	X								S	X															X	
7	S3-1'				8/29/2014	12:15 PM		1	X								S	X															X	
8	S3-2'				8/29/2014	12:15 PM		1	X								S	X															X	
9	S3-3'				8/29/2014	12:15 PM		1	X								S	X															X	

Special Instructions:

Relinquished by: Date: 9-4-14 Time: 10:15 Received by: Date: 9-4-14 Time: 10:15

Relinquished by: Date: Time: Received by ELDT: Date: Time:

Relinquished by: Date: Time:

Laboratory Comments:

Sample Containers Intact? ☒ N

VOCs Free of Headspace? ☒ N

Labels on container(s) ☒ N

Custody seals on container(s) ☒ N

Custody seals on cooler(s) ☒ N

Sample Hand Delivered by ☒ N

by ☒ UPS ☒ DHL ☒ FedEx ☒ Lone Star

Temperature Upon Receipt: 3.4 °C



Page 16 of 16

12/27

October 14, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: CARL TP COM #1

Enclosed are the results of analyses for samples received by the laboratory on 10/09/14 13:30.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/09/2014
Reported: 10/14/2014
Project Name: CARL TP COM #1
Project Number: NONE GIVEN
Project Location: CARL TP COM #1

Sampling Date: 10/08/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Kathy Perez

Sample ID: S1-4' (H403104-01)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	10/13/2014	ND	432	108	400	7.69	

Sample ID: S1-5' (H403104-02)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/13/2014	ND	432	108	400	7.69	

Sample ID: S1-6' (H403104-03)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	10/13/2014	ND	432	108	400	7.69	

Sample ID: S1-7' (H403104-04)

Chloride, SM4500CI-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	10/13/2014	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/08/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CARL TP COM #1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TP COM #1		

Sample ID: S2-4' (H403104-05)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S2-5' (H403104-06)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S2-6' (H403104-07)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S2-7' (H403104-08)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S3-4' (H403104-09)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7760	16.0	10/13/2014	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/09/2014	Sampling Date:	10/08/2014
Reported:	10/14/2014	Sampling Type:	Soil
Project Name:	CARL TP COM #1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TP COM #1		

Sample ID: S3-5' (H403104-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S3 - 6' (H403104-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S3-7' (H403104-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S4-4' (H403104-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S4-5' (H403104-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	10/13/2014	ND	432	108	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/09/2014
Reported: 10/14/2014
Project Name: CARL TP COM #1
Project Number: NONE GIVEN
Project Location: CARL TP COM #1

Sampling Date: 10/08/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Kathy Perez

Sample ID: S4-6' (H403104-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	10/13/2014	ND	432	108	400	3.77	

Sample ID: S4-7' (H403104-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	10/13/2014	ND	432	108	400	3.77	

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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

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Chase Settle

Company: (505) 393-2326 Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4171

Fax No: 575-748-4131

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

Sampler Signature: [Signature]

e-mail:

csettle@yatespetroleum.com

PO #: 205750

Project Name:

Carl TP Com #1

Project #:

Project Loc:

Carl TP Com #1

LAB # (lab use only)		FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers						Matrix	Analyze For:																				
									Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT		
B1	S1-4'				10/8/2014	3:30 PM		1								X		S																		
B2	S1-5'				10/8/2014	3:30 PM		1								X		S																		
B3	S1-6'				10/8/2014	3:30 PM		1								X		S																		
B4	S1-7'				10/8/2014	3:30 PM		1								X		S																		
B5	S2-4'				10/8/2014	4:00 PM		1								X		S																		
B6	S2-5'				10/8/2014	4:00 PM		1								X		S																		
B7	S2-6'				10/8/2014	4:00 PM		1								X		S																		
B8	S2-7'				10/8/2014	4:00 PM		1								X		S																		

Special Instructions:

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Sample Hand Delivered

by Courier?

UPS DHL FedEx Lone Star

Temperature Upon Receipt:

23.4 °C

Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	10/9/14		<u>[Signature]</u>	10/9/14	1:30
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Chase Settle

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4171

Sampler Signature:

(lab use only)

ORDER #: H403104

Fax No: 575-748-4131

e-mail: csettle@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name: Carl TP Com #1

Project #:

Project Loc: Carl TP Com #1

PO #: 205750

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX B260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
09	S3-4'			10/8/2014	4:30 PM		1							X		S															X	
10	S3-5'			10/8/2014	4:30 PM		1							X		S															X	
11	S3-6'			10/8/2014	4:30 PM		1							X		S															X	
12	S3-7'			10/8/2014	4:30 PM		1							X		S															X	
13	S4-4'			10/8/2014	5:00 PM		1							X		S															X	
14	S4-5'			10/8/2014	5:00 PM		1							X		S															X	
15	S4-6'			10/8/2014	5:00 PM		1							X		S															X	
16	S4-7'			10/8/2014	5:00 PM		1							X		S															X	

Special Instructions:

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November 03, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: CARL TP COM #1

Enclosed are the results of analyses for samples received by the laboratory on 10/30/14 11:00.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/30/2014	Sampling Date:	10/28/2014
Reported:	11/03/2014	Sampling Type:	Soil
Project Name:	CARL TP COM #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	CARL TP COM #1		

Sample ID: S1-8' (H403348-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	10/31/2014	ND	400	100	400	3.92		

Sample ID: S1-9' (H403348-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	10/31/2014	ND	400	100	400	3.92		

Sample ID: S1-10' (H403348-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	10/31/2014	ND	400	100	400	3.92		

Sample ID: S1-11' (H403348-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	10/31/2014	ND	400	100	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/30/2014
 Reported: 11/03/2014
 Project Name: CARL TP COM #1
 Project Number: NONE GIVEN
 Project Location: CARL TP COM #1

 Sampling Date: 10/28/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S3-8' (H403348-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	10/31/2014	ND	400	100	400	0.00	

Sample ID: S3-9' (H403348-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	10/31/2014	ND	400	100	400	0.00	

Sample ID: S3-10' (H403348-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	10/31/2014	ND	400	100	400	0.00	

Sample ID: S3-11' (H403348-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/31/2014	ND	400	100	400	0.00	

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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

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Celey D. Keene, Lab Director/Quality Manager

