

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2008



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ARTESIA, NEW MEXICO 88210-2118

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December 3, 2015

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

Re: Mobil CI Federal #4
30-015-23212
Section 6, T19S-R25E
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 November 13, 2015.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after December 18, 2015.

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

Thank you.

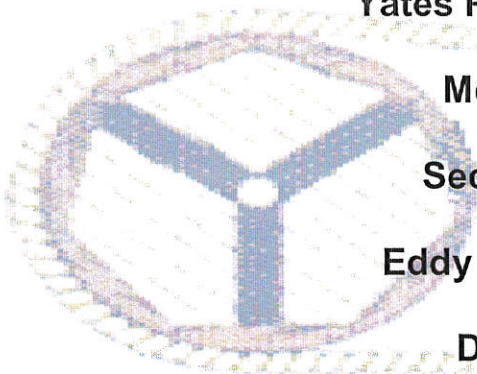
YATES PETROLEUM CORPORATION

Chase Settle
Environmental Regulatory Agent

Enclosure(s)

KATHY H. PORTER
SECRETARY

DENNIS G. KINSEY
TREASURER



Yates Petroleum Corporation

Mobil CI Federal #4

Section 6, T19S-R25E

Eddy County, New Mexico

December 3, 2015

2RP-3396

I. Location

Take US 285 south of Artesia for 9 miles, turn west on Kincaid Ranch Road (CR38), follow CR38 for 6 miles, then follow the road to the left over the cattle guard for 2.5 miles, then turn south for 1000 feet, and location will to the west.

II. Background

On November 13, 2015, Yates Petroleum Corporation submitted to the NMOCD District II office a Form C-141 for the release of 4 B/O & 4 B/PW with 2 B/O & 2 B/PW recovered. The total affected area is approximately 80 feet by 10 feet on the southwest corner of the well pad. The release was caused by the failure of a poly flow line. Initial delineation samples were taken in the S1 and S2 release areas (11/19/2015) and sent to a NMOCD approved laboratory (11/30/2015, results enclosed).

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 6, T19S-R25E) 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:

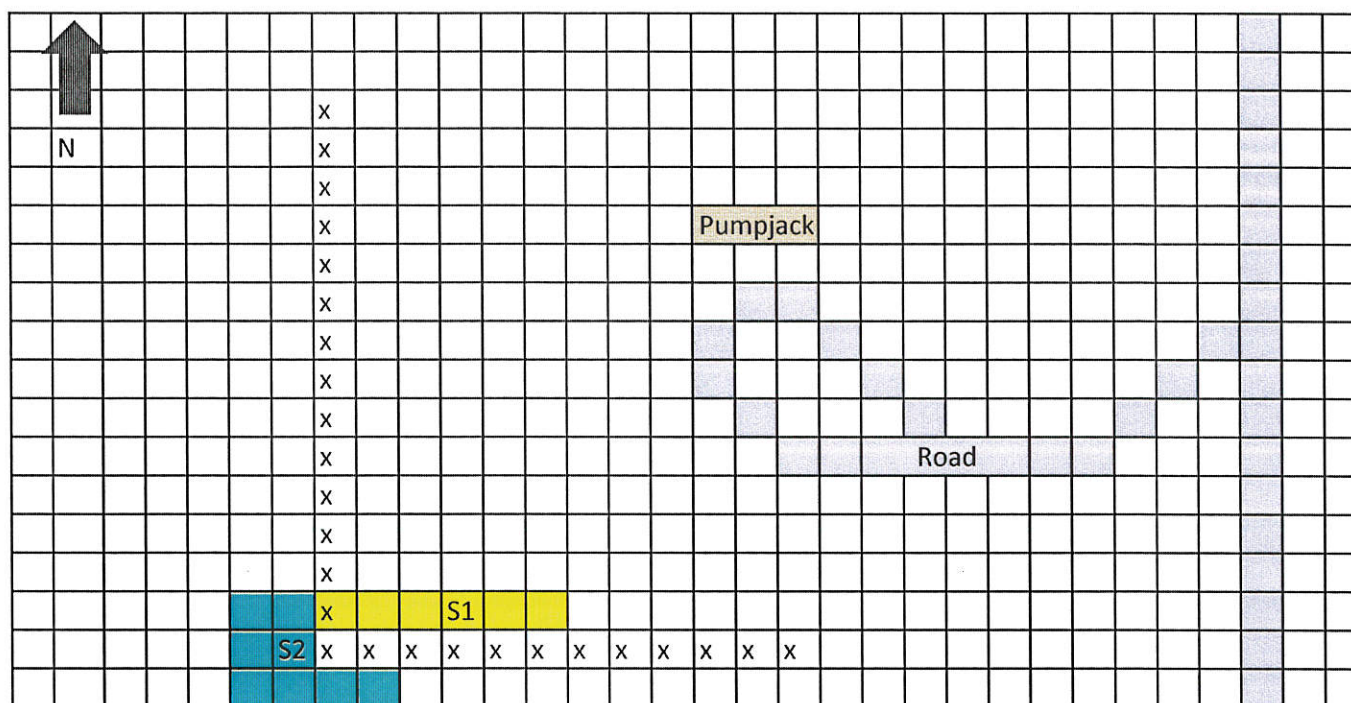
Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

The area consists of soils that are sandy top soil with clay seams and caliche found beneath, 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 TPH and BTEX, Yates Petroleum Corporation will excavate six (6) feet in the S1 release area, hauling the excavated soils to a NMOCD approved facility. Yates Petroleum Corporation will then backfill the excavated areas with four (4) feet of caliche and two (2) feet of similar topsoil allowing for the repopulation of vegetation. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) at seven (7) feet below surface level for the Total Ranking Score of zero (0), 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.



Mobil CI Federal #4- Not to Scale

S1 S1 Area Sample Point

S2 S2 Area Sample Point

Area	Analysis Number	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-1'	H503081	Release Area	11/19/2015	Backhoe	1'	298	3580	8280	960
S1-2'	H503081	Release Area	11/19/2015	Backhoe	2'	243	2770	6260	32
S1-3'	H503081	Release Area	11/19/2015	Backhoe	3'	18.6	74.6	369	<16.0
S1-4'	H503081	Release Area	11/19/2015	Backhoe	4'	194	2630	5900	<16.0
S1-5'	H503081	Release Area	11/19/2015	Backhoe	5'	237	2180	4940	32
S1-6'	H503081	Release Area	11/19/2015	Backhoe	6'	41.7	448	1600	<16.0
S1-7'	H503081	Release Area	11/19/2015	Backhoe	7'	<0.3	<10.0	10.1	<16.0
S2-1'	H503081	Release Area	11/19/2015	Backhoe	1'	<0.3	<10.0	<10.0	<16.0
S2-2'	H503081	Release Area	11/19/2015	Backhoe	2'	<0.3	<10.0	<10.0	48
S2-3'	H503081	Release Area	11/19/2015	Backhoe	3'	<0.3	<10.0	<10.0	1170

Site Ranking is Zero (0). >100' (250', Section 6, T19S-R25E, Trend Map

All results are ppm. Chlorides for documentation

Released: 3 B/O & 3 B/PW; Recovered: 2 B/O & 2 B/PW Release Date: 10/27/2015



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

November 30, 2015

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: MOBIL CL FEDERAL #4

Enclosed are the results of analyses for samples received by the laboratory on 11/20/15 15:00.

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:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-1' (H503081-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	12.0	2.00	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	97.8	2.00	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	67.2	2.00	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	121	6.00	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTX	298	12.0	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	11/25/2015	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3580	10.0	11/23/2015	ND	189	94.6	200	3.05		
DRO >C10-C28	8280	10.0	11/23/2015	ND	183	91.7	200	2.06		

Surrogate: 1-Chlorooctane 143 % 35-147

Surrogate: 1-Chlorooctadecane 202 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 YATES PETROLEUM CORPORATION
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 105 S 4th Street
 Artesia NM, 88210
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Received:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-2' (H503081-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.93	2.00	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	72.0	2.00	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	53.8	2.00	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	110	6.00	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTX	243	12.0	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/25/2015	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2770	10.0	11/23/2015	ND	189	94.6	200	3.05		
DRO >C10-C28	6260	10.0	11/23/2015	ND	183	91.7	200	2.06		

Surrogate: 1-Chlorooctane 152 % 35-147

Surrogate: 1-Chlorooctadecane 176 % 28-171

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Received:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-3' (H503081-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.166	0.050	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	3.46	0.050	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	4.77	0.050	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	10.3	0.150	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	18.6	0.300	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/25/2015	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	74.6	10.0	11/23/2015	ND	189	94.6	200	3.05	
DRO >C10-C28	369	10.0	11/23/2015	ND	183	91.7	200	2.06	

Surrogate: 1-Chlorooctane 108 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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Received:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-4' (H503081-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.92	2.00	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	55.0	2.00	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	40.8	2.00	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	93.6	6.00	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	194	12.0	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/25/2015	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2630	10.0	11/23/2015	ND	189	94.6	200	3.05		
DRO >C10-C28	5900	10.0	11/23/2015	ND	183	91.7	200	2.06		

Surrogate: 1-Chlorooctane 146 % 35-147

Surrogate: 1-Chlorooctadecane 172 % 28-171

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 CHASE SETTLE
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Received:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-5' (H503081-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.63	2.00	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	66.4	2.00	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	51.0	2.00	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	114	6.00	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	237	12.0	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/25/2015	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2180	10.0	11/23/2015	ND	189	94.6	200	3.05		
DRO >C10-C28	4940	10.0	11/23/2015	ND	183	91.7	200	2.06		

Surrogate: 1-Chlorooctane 209 % 35-147

Surrogate: 1-Chlorooctadecane 161 % 28-171

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*=Accredited Analyte

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

 Received: 11/20/2015
 Reported: 11/30/2015
 Project Name: MOBIL CL FEDERAL #4
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 11/19/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S1-6' (H503081-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.354	0.200	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	8.03	0.200	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	10.4	0.200	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	22.9	0.600	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	41.7	1.20	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/25/2015	ND	400	100	400	14.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	448	10.0	11/23/2015	ND	189	94.6	200	3.05	
DRO >C10-C28	1600	10.0	11/23/2015	ND	183	91.7	200	2.06	

Surrogate: 1-Chlorooctane 130 % 35-147

Surrogate: 1-Chlorooctadecane 119 % 28-171

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:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S1-7' (H503081-07)

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	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	0.070	0.050	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	<0.150	0.150	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTX	<0.300	0.300	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/25/2015	ND	400	100	400	14.8	

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	11/23/2015	ND	189	94.6	200	3.05	
DRO >C10-C28	10.1	10.0	11/23/2015	ND	183	91.7	200	2.06	

Surrogate: 1-Chlorooctane 96.0 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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*=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:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2-1' (H503081-08)

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	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	<0.050	0.050	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	<0.150	0.150	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTX	<0.300	0.300	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/25/2015	ND	400	100	400	14.8	

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	11/23/2015	ND	189	94.6	200	3.05	
DRO >C10-C28	<10.0	10.0	11/23/2015	ND	183	91.7	200	2.06	

Surrogate: 1-Chlorooctane 87.4 % 35-147

Surrogate: 1-Chlorooctadecane 94.1 % 28-171

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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:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2-2' (H503081-09)

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	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	<0.050	0.050	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	<0.150	0.150	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	<0.300	0.300	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/25/2015	ND	400	100	400	14.8	

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	11/23/2015	ND	189	94.6	200	3.05	
DRO >C10-C28	<10.0	10.0	11/23/2015	ND	183	91.7	200	2.06	

Surrogate: 1-Chlorooctane 95.0 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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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:	11/20/2015	Sampling Date:	11/19/2015
Reported:	11/30/2015	Sampling Type:	Soil
Project Name:	MOBIL CL FEDERAL #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S2-3' (H503081-10)

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	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	<0.050	0.050	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	<0.050	0.050	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	<0.150	0.150	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	<0.300	0.300	11/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 73.6-140

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	11/25/2015	ND	400	100	400	14.8		

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	11/23/2015	ND	189	94.6	200	3.05		
DRO >C10-C28	<10.0	10.0	11/23/2015	ND	183	91.7	200	2.06		

Surrogate: 1-Chlorooctane 84.3 % 35-147

Surrogate: 1-Chlorooctadecane 92.6 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Sampler Signature: [Signature]

e-mail: csettle@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name: Mobil CI Federal #4

Project #:

Project Loc: Mobil CI Federal #4

PO #: 205.0750

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'				11/19/2015	10:15 AM		1	X									S		NP	X														X
2	S1-2'				11/19/2015	10:18 AM		1	X									S		NP	X														X
3	S1-3'				11/19/2015	10:21 AM		1	X									S		NP	X														X
4	S1-4'				11/19/2015	10:25 AM		1	X									S		NP	X														X
5	S1-5'				11/19/2015	10:31 AM		1	X									S		NP	X														X
6	S1-6'				11/19/2015	10:34 AM		1	X									S		NP	X														X
7	S1-7'				11/19/2015	10:40 AM		1	X									S		NP	X														X
8	S2-1'				11/19/2015	10:46 AM		1	X									S		NP	X														X
9	S2-2'				11/19/2015	10:49 AM		1	X									S		NP	X														X
10	S2-3'				11/19/2015	10:52 AM		1	X									S		NP	X														X

Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	11/19/15		<u>Chad Henderson</u>	11/23/15	3:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:	
Sample Containers Intact?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
VOCs Free of Headspace?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Labels on container(s)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Custody seals on container(s)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Custody seals on cooler(s)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sample Hand Delivered	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
by Sampler/Client Rep.?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
by Courier?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
UPS	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
DHL	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
FedEx	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Lone Star	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Temperature Upon Receipt:	2.6°C