Received by OCD: 4/14/2023 7:29:26 AM

MARTIN YATES, III
1912-1985
FRANK W. YATES
1936-1936
5.P YATES
1914-2008



JOHN A. YATES

JOHN A. YATES JR.

JOHN O. PERINI EXECUTIVE V.P. DE MONETIZATION CHIEF FINANCIAL DEFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

TOS SOUTH FOURTH STREET

ARTESIA, NEW MEXICO BB210-211B

TELEPHONE (575) 748-1471

September 24, 2014

Dr. Tomas Oberding NMOCD District I 1625 N. French Drive Hobbs, New Mexico 88240

Re:

Lotus ALT State #9

30-025-37661

Section 32, T22S-R32E Lea County, New Mexico

Dr. Oberding:

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 September 6, 2013.

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

DENNIS G. KINSEY

Yates Petroleum Corporation

Lotus ALT State #9 Work Plan

Section 32, T22S-R32E

Lea County, New Mexico

September 24, 2014

I. Location

The well is located approximately 6 miles southeast of the Waste Isolation Pilot Plant which is located 31 miles east of Carlsbad, NM.

II. Background

On September 6, 2013, Yates submitted to the NMOCD District I office a Form C-141 for the release of 15 B/O and 25 B/PW with 0 B/O and 0 B/PW recovered. The total affected area is approximately a 50 feet by 60 feet area (off the east side of the location). The release was from failure of a poly flow line causing oil and produced water to spray across the location and surrounding areas (east of the location). Initial delineation samples were taken (10/10/2013) and sent to a NMOCD approved laboratory (10/21/2013, results enclosed). Cross contamination occurred on the S4 sample due to the collapse of the walls during the sampling process. Based on analytical results (10/21/13), Yates Petroleum Corporation excavated six (6) feet of impacted soils in the S4 sample area. Those soils where taken to an approved NMOCD facility. A second sampling of the S4 sample area was conducted after excavation (02/03/2014) and sent to a NMOCD approved laboratory (02/12/14, results enclosed).

III. Surface and Ground Water

Area surface geology ranges from Cenozoic Quaternary to Cenozoic Quaternary-Tertiary. The ChevronTexaco Trend Map displays at this location (Section 8, T25S-R28E) that depth to groundwater is approximately 325' 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

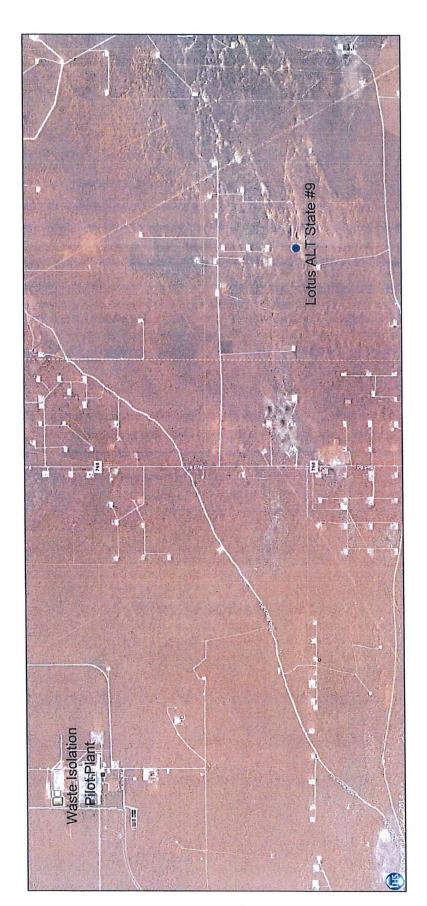
The area consists of soils that are caliche and loamy top soil and are interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on enclosed analytical results, the depth to groundwater (325'), and a decrease in chlorides, Yates Petroleum Corporation will backfill the excavated area with four (4) feet of packed caliche to serve as a clay liner to restrict vertical migration of chlorides upward or downward, and two (2) feet of like, similar topsoil which will allow for vegetative repopulation of the disturbed area which will further restrict water percolation through the vadose zone. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) 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, analytical results and a site sample diagram will be submitted to the NMOCD and request closure of the site.

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Lotus ALT State #9 Map



Enerdeq Browser Date: Feb 25, 2014 Author: CHASE SETTLE

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S4 Sample Area	S3 Sample area	х	Location
S1 & S2 Sample Area	Pumpjack	11	Access Road

Analytical Report- H302508-01 (Card)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
S1-SUR	Release Area	10/10/2013	Shovel	Surface	<0.3	<10.0	10.0	48
S1-1'	Release Area	10/10/2013	Backhoe	1'	<0.3		<10.0	<16.0
\$1-2'	Release Area	10/10/2013	Backhoe	2'	<0.3	<10.0	=10.0	<16.0
S2-SUR	Release Area	10/10/2013	Shovel	Surface	<0.3	<10.0	110.0	<16.0
S2-1'	Release Area	10/10/2013	Backhoe	1'	<0.3	<10.0	<10.0	<16.0
S2-2'	Release Area	10/10/2013	Backhoe	2'	<0.3	<10.0	<10.0	<16.0
PAD-SUR	Release Area	10/10/2013	Shovel	Surface	<0.3	<10.0	<10.0	64
PAD-1'	Release Area	10/10/2013	Backhoe	1'	<0.3	<10.0	<10.0	96
PAD-2'	Release Area	10/10/2013	Backhoe	2'	<0.3	<10.0	<10.0	32
H302509-01	BANKSTON		HAR EST					
S3-5 ¹	Release Area	10/10/2013	Backhoe	5'	<0.3	<10.0	£10.0	<16.0
S3-6'	Release Area	10/10/2013	Backhoe	6'	<0.3	<10.0	c10.0	32
S3-7'	Release Area	10/10/2013	Backhoe	7'	<0.3	<10.0	<10.0	<16.0
S3-8 [']	Release Area	10/10/2013	Backhoe	8'	<0.3	<10.0	<10.0	<16.0
S4-6 ¹	Release Area	10/10/2013	Backhoe	6'	<0.3	<10.0	<10.0	5120
54-7'	Release Area	10/10/2013	Backhoe	7'	<0.3	<10.0	010	13300
S4-8 [']	Release Area	10/10/2013	Backhoe	8'	<0.3	<10.0	<10.0	26800
H400380-01								
54-7'	Release Area	2/3/2014	Backhoe	7'	<0.3	<10.0	<10.0	5440
S4-8 ^t	Release Area	2/3/2014	Backhoe	8'	<0.3	<10.0	<10.0	7720
S4-9 ¹	Release Area	2/3/2014	Backhoe	9'	<0.3	<10.0	<10.0	4400
54-10'	Release Area	2/3/2014	Backhoe	10'	<0.3	<10.0	<10.0	1420

Site Ranking is Zero (0). DTGW >100' (approx 325', Section 32, T22S-R32E, Trend Map) All results are ppm.

Released: 15 B/O, 25 B/PW; Recovered: 0 B/O, 0 B/PW Release Date: 09/03/2013



October 21, 2013

LUPE CARRASCO
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: LOTUS ALT STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 10/16/13 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.tceg.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey & treme

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

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Lab Director/Quality Manager





Analytical Results For:

YATES PETROLEUM CORPORATION LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2013

Reported:

10/21/2013

Project Name: Project Number:

LOTUS ALT STATE #9 103-163

Project Location:

NOT GIVEN

Sampling Date:

10/10/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S1-SUR (H302508-01)

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	10/19/2013	ND	1.93	96.4	2.00	1.36	
Toluene*	<0.050	0.050	10/19/2013	ND	1.99	99.3	2.00	2.92	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	2.01	100	2.00	2.99	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.85	97.4	6.00	2.79	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	89.4-126							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/17/2013	ND	416	104	400	0.00	-
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	109 9	6 65.2-140	•						
Surrogate: 1-Chlorooctadecane	119%	6 63.6-154							

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*=Accredited Analyte

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Celeg Di Keena



Analytical Results For:

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

Received: Reported: 10/16/2013

10/21/2013

Project Name: Project Number: LOTUS ALT STATE #9 103-163

Project Number: 103-163
Project Location: NOT GIVEN

16/2012

Sampling Date: Sampling Type:

Sampling Type:

Sampling Condition: Sample Received By: 10/10/2013 Soil Cool & Intact

Kathy Perez

Sample ID: S1-1' (H302508-02)

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	10/19/2013	ND	1.93	96.4	2.00	1.36	
Toluene*	<0.050	0.050	10/19/2013	ND	1.99	99.3	2.00	2.92	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	2.01	100	2.00	2.99	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.85	97.4	6.00	2.79	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.9	% 89.4-12	5						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS	,				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	97.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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Celeg Dikena

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 12





Analytical Results For:

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

Received:

10/16/2013

Reported:

10/21/2013

Project Name:

LOTUS ALT STATE #9 Project Number: 103-163

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

10/10/2013 Soil

Sample Received By:

Sampling Condition:

Cool & Intact

Kathy Perez

Sample ID: S1-2' (H302508-03)

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	10/19/2013	ND	1.93	96.4	2.00	1.36	
Toluene*	<0.050	0.050	10/19/2013	ND	1.99	99.3	2.00	2.92	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	2.01	100	2.00	2.99	
Total Xylenes*	< 0.150	0.150	10/19/2013	ND	5.85	97.4	6.00	2.79	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	100 %	6 89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Swrogate: 1-Chlorooctane	101 %	6 65,2-140)						
Surrogate: 1-Chlorooctadecane	112%	63.6-15	į						

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Celeg D. Krene



Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2013

Reported:

10/21/2013

Project Name:

LOTUS ALT STATE #9

Project Number: Project Location: 103-163 NOT GIVEN Sampling Date:

Sampling Type:

10/10/2013 Soil

Sampling Condition:

Cool & Intact Kathy Perez

Sample Received By:

Sample ID: S2-SUR (H302508-04)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	< 0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	99.3 9	65.2-14)						
Surrogate: 1-Chlorooctadecane	115 %	63.6-15	1						

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

Analytical Results For:

YATES PETROLEUM CORPORATION LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2013

Reported:

10/21/2013

Project Name: Project Number:

LOTUS ALT STATE #9 103-163

Project Location:

NOT GIVEN

Sampling Date:

10/10/2013 Soil

Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact Kathy Perez

Sample ID: S2-1' (H302508-05)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate; 4-Bromofluorobenzene (PIL	101 %	6 89.4-126	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10,0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	111 %	6 65.2-140	0						
Surrogate: 1-Chlorooctadecane	1139	63.6-15	4						

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*=Accredited Analyte

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Celey D. Krene





Analytical Results For:

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

Received:

10/16/2013

Reported:

10/21/2013

Project Name:

LOTUS ALT STATE #9 103-163

Project Number: Project Location:

NOT GIVEN

Sampling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Kathy Perez

10/10/2013

Sample ID: S2-2' (H302508-06)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0,300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	97.6	% 65.2-14	0			1000			
Surrogate: 1-Chlorooctadecane	110	63.6-15	4						

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cordinal's liability and client's enclosive remedy for any client printing, whether based in contract or tort, shall be limited to the arrount paid by client for analyses. All clients, including those for negligence and any other curse withdoorser shall be decemed valved uncless made in writing and received by Curdinal Wilhin thirty (20) days after completion of the applicable service. In no event shall be decemed valved uncless made in writing and received by client, its solvicidaries, without immassion, but/ness instrumptions, loss of use, or loss of profits incurred by client, its solvicidaries, a lifetable or purceived arringing on or other performance of the services hereunder by Cauchal, regardless of whether such client a solvice special period agreed arrespondent of Cardinal Lebonatoms.

aley & Krenz

Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 4/14/2023 7:32:14 AM



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

Analytical Results For:

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

Received:

10/16/2013

Reported:

10/21/2013

Project Name: Project Number: **LOTUS ALT STATE #9** 103-163

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil Cool & Intact

Kathy Perez

10/10/2013

Sample ID: PAD-SUR (H302508-07)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	6 89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/17/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	100 %	65.2-14)						
Surrogate: 1-Chlorooctadecane	110 %	63.6-15	1						

Cardinal Laboratories

Received by OCD: 4/14/2023 7:29:26 AM

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Condrain inhabity and clients extitutive remedy for any claim ensisting, whether based in concert or text, shall be lambed to the amount pold by clean for analyses. All claims, including those for negligence and any other cause whitescene; shall be deemed valued unless made in moting and received by Cardinal within thiny (30) days after congletion of the applicable service. In no event shall Cardinal be lable for incidental or consequential changes, including, whitesoft infrazion, business interruptions, loss of use, or loss of profits incurred by Clean, its substitutions, alkhares or successors among out of or related to the performance of the services beneather by Curdinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate city to the samples identified above. This report and in the responsed except in All with written approved of Cardinal Laboratories.

Celeg & Kune

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 12



CARDINAL Laboratories

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

Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210 (505) 748-4635

Fax To:

Sampling Date:

10/10/2013

Received: Reported: 10/16/2013 10/21/2013

Sampling Type:

Soil

Project Name:

LOTUS ALT STATE #9

Sampling Condition:

Cool & Intact

Project Number: Project Location: 103-163 **NOT GIVEN** Sample Received By:

Kathy Perez

Sample ID: PAD-1' (H302508-08)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	89.4-120	5		2				, , , , , , , , , , , , , , , , , , , ,
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	90.9	% 65.2-14)						1000
Surrogate: 1-Chlorooctadecane	99.3	63.6-15-	4						

Cardinal Laboratories

Received by OCD: 4/14/2023 7:29:26 AM

*=Accredited Analyte

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Celey D. Keens





Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2013

Reported:

10/21/2013

Project Name: Project Number: **LOTUS ALT STATE #9** 103-163

Project Location:

Sample ID: PAD-2' (H302508-09)

Sampling Date: Sampling Type:

Soil

Sampling Condition:

Cool & Intact Kathy Perez

10/10/2013

Sample Received By:

NOT GIVEN

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	0.065	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	100 %	6 89.4-120	5			-	***************************************		
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10,0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	104 %	6 65.2-140)	0.00					
Surrogate: 1-Chlorooctadecane	109 %	6 63.6-15-	1						

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Celen Liture

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 SM4500CI-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

FLEASE HOTE: Litblity and Damages. Caronal's habity and clert's entistive remady for any claim asisting, whether based in contract or text, shall be lamined to the amount paid by clert for analyses. All claims, including those to necessary any other clause inhalacers shall be deemed waived uriess made in writing and received by Cardinal within (10) days after completion of the applicable service. In no event shall Curdinal be lattle for imodernal or consequential damages, including, without limitions, business instrumptions, limit of use, or loss of profits forward by claim, its substituties, adhates or successors using out of or related to the performance of the services hereunder by Cardinal, regardate of whether such claims is based upon any of the above stated reasons or otherwise. Results related above. This report shall not be reportance except in All with written approval of Cardinal Laboratories.

Celen D. Keena

Project Name:		Temperature Upon Receipt	ume	Date							Received by ELOT:	Time Re		Date	shed by:	Relinquished by:
Other Application Applic	a D	Sample Hand Delivered by Sampler/Client R by Couner? UR		Date			1	1	1		scelved by:			Date	hed by:	Relinquis
Application	iner(s)	abelsion containerts), ustody seals on conta ustody seals on coole	05.0 8	16/13	5			[`	Κ	مربعاء	CHITTLE OF	ime Re		Date	hed by:	Relinquis
ADDINAL LABOPATIONES 107 Each Mariard, Hubbs, Nim 88240 (869) 883-2426 FAX (869) 883-2475 107 Each Mariard, Hubbs, Nim 88240 (869) 883-2426 FAX (869) 883-2475 108 Each Mariard, Hubbs, Nim 88270 (869) 883-2426 FAX (869) 883-2475 109 833-2222 Yalles Faddisum Corporation (869) 883-2426 FAX (869		aboratory Comment ample Containers Into (OCs Free of Headspa	5 4 5 5 5 4 mm												Instructions:	Special
ABUNDAL LABOPATORIES 101 101 1020113 101 1							-	<u> </u>								
ARDINAL LASORATURES 107			×			匚	H	 		 	0/10/2013	1			Pad-2'	Q
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ARDINAL LABORATORIES 101 East Martaul, Hobbs, NM 88240 (509) 382-2226 FAX (509) 383-2476 Project Name:			×			Ļ	\vdash	1_		-)/10/2013	10			Pad-Sur	
ARDINAL LABORATORIES 101 East Marterial, Hobbs, NM 88240 (508) 383-2226 FAX (509) 383-2276 FAX (509) 3			×			T	\vdash	-)/10/2013	10			\$2-2"	
ARDINAL LABORATORIES 101 East Mariand, Hobbs, NM 88240 (505) 383-2225 FAX (505) 393-2476 Project Namager: Lupe Carrasco Project Namager: Lupe Carrasco Project Namager: Lupe Carrasco Project Namager: Lupe Carrasco Project Namager: No. Namager: No. Namager: No. Namager: No. Namager: N			×			L	├	-		-	0/10/2013	10			S2-1'	-
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ARDINAL LABORATORIES 101 East Natland, Hcbs, NM 88240 (505) 393-2232 FAX (505) 393-2416 plect Manager: Lupe Carrasco Lupe Carrasco Project Name: National Nati			×			1	+	\vdash)/10/2013	10			S1-1'	Ī
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2226 FAX (505) 393-2276 101 East Marland, Hobbs, NM 88240 (505) 393-2226 FAX (505) 393-2276 101 East Marland, Hobbs, NM 88240 (505) 393-2226 FAX (505) 393-2276 101 East Marland, Hobbs, NM 88210 Project Maries Project Marland Projec			×			1	+	+	I	-)/10/2013	10			S1-Sur	-
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Project Name:	RCI N.O.R.M. Chlorides	Anlons (CI, SO4, Alkallnity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb b Volatiles Semivolatiles	TPH: 418.1 8015M TPH: TX 1005 . TX 100	DW=Drinking Water SL=Studge GW = Groundwater S=Soil/Solid	Na ₂ S ₂ O ₃	H ₂ SO ₄						Ending Depth	Beginning Depth		FIELD CODE	LAB # (lab use only)
ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 101 East Marland, Hobbs, NM 88240 101 East Marland, Hobbs, NM 88240 102 East Marland, Hobbs, NM 88240 103 East Marland, Hobbs, NM 88240 104 East Marland, Hobbs, NM 88240 105 East Marland, Hobbs, NM 88240 106 East Marland, Hobbs, NM 88240 107 East Marland, Hobbs, NM 88240 108 East Marland, Hobbs, NM 88240 109 Ect Name: Project Name: Project Name: Incited #9. Project Name: Project Name: Incited #9. Project Name: Project Name: Incited #9. Project N	8260	lg Se		H	of Containers	99 & #	servat	Pa	_						I	ORDER
BORATORIES and, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Project Name:																(lab tico o
Project Name: LeitUS:為世形記書籍#9				leum.com	espetro	gyatı	000	ras	8						Sampler Signature:	
) (505) 393-2326 FAX (505) 393-2476 Project Name: Project #: Project Loc: Project Loc: PO#: 103-163	Г	× Standard [Format:	Report						ax No:	<u></u>			50	••	
) (505) 393-2326 FAX (505) 393-2476 Project Name: Project #: Project Loc:		£ 103-163	PO#											88210	City/State/Zip: Artesia NM	
(505) 393-2326 FAX (505) 393-2476 Project Name:			roject Loc	 						. ;				th Street	Company Address: 105 South 41	
ABORATORIES arland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Lupe Carrasco Project Name:		***************************************	Project #										9	eum Corporat	Compt (505) 393-2326 Yates Petrole	
	A⊔T State #9		ject Name	Pro										Ö		
									ď	505) 393-247	5) 393-2326 FAX (5	(50)		ES IM 88240	ARDINAL LABORATORIE 101 East Marland, Hobbs, N	60



October 21, 2013

LUPE CARRASCO
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: LOTUS ALT STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 10/16/13 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey & Kene

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

Received by OCD: 4/14/2023 7:29:26 AM

Lab Director/Quality Manager

Analytical Results For:

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

Received:

Reported: Project Name: 10/16/2013

LOTUS ALT STATE #9

Project Number: Project Location: 103-163

10/21/2013

NOT GIVEN

Sampling Date:

10/10/2013 Soil

Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact

Kathy Perez

Sample ID: S3-5' (H302509-01)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	< 0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/17/2013	ND	189	94.6	200	4.47	
DRO >C10-C28	<10.0	10.0	10/17/2013	ND	181	90.6	200	1.79	
Surrogate: 1-Chlorooctane	115 %	6 65.2-140)						
Surrogate: 1-Chlorooctadecane	1179	63.6-15-	ı						

Cardinal Laboratories

*=Accredited Analyte

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Clay D. Keena

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 10



Analytical Results For:

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

Received:

10/16/2013

Reported:

10/21/2013

Project Name:

LOTUS ALT STATE #9

Project Number: Project Location:

103-163 **NOT GIVEN** Sampling Date:

10/10/2013

Sampling Type: Sampling Condition: Soil

Cool & Intact Kathy Perez

Sample Received By:

Sample ID: S3-6' (H302509-02)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND ,	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	6 89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/18/2013	ND	204	102	200	8.49	
DRO >C10-C28	<10.0	10.0	10/18/2013	ND	199	99.4	200	8.56	
Surrogate: 1-Chlorooctane	110 %	65.2-140)	· · · · · · · · · · · · · · · · · · ·					
Surrogate: 1-Chlorooctadecane	1189	63.6-15	1						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



Analytical Results For:

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

Received:

10/16/2013

Reported:

10/21/2013

Project Name:

LOTUS ALT STATE #9

Project Number: Project Location:

103-163 NOT GIVEN

Sampling Date:

10/10/2013

Sampling Type: Sampling Condition:

Soil

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S3-7' (H302509-03)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	•
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.69	% 89.4-120	5	4. 80. 60. 60.	-			-	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/18/2013	ND	204	102	200	8.49	
DRO >C10-C28	<10.0	10.0	10/18/2013	ND	199	99.4	200	8.56	
Surrogate: I-Chlorooctane	117%	65.2-140)						
Surrogate: 1-Chlorooctadecane	118%	63.6-154							

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*=Accredited Analyte

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alsoy D. Keens





Analytical Results For:

YATES PETROLEUM CORPORATION LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 10/16/2013

10/21/2013

LOTUS ALT STATE #9

Project Name: Project Number:

103-163

Project Location: NOT GIVEN Sampling Date:

10/10/2013

Sampling Type: Sampling Condition:

Soil

Sample Received By:

Cool & Intact Kathy Perez

Sample ID: \$3-8' (H302509-04)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 %	6 89.4-120	5	· · · · · · · · · · · · · · · · · · ·					
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS				0.72	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/18/2013	ND	204	102	200	8.49	-
DRO >C10-C28	<10.0	10,0	10/18/2013	ND	199	99.4	200	8.56	
Surrogate: 1-Chlorooctane	117 %	65.2-140	1			***			
Surrogate: 1-Chlorooctadecane	123 %	63.6-15-	,						

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*=Accredited Analyte

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Celeg to treene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

10/16/2013

Reported: Project Name: 10/21/2013

Project Number: Project Location:

103-163 NOT GIVEN

LOTUS ALT STATE #9

Sampling Date:

Sampling Type:

10/10/2013 Soil

Sampling Condition: Sample Received By:

Cool & Intact

Kathy Perez

Sample ID: S4-6' (H302509-05)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.7	% 89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/18/2013	ND	204	102	200	8.49	
DRO >C10-C28	<10.0	10.0	10/18/2013	ND	199	99.4	200	8.56	
Surrogate: I-Chlorooctane	109 9	65.2-140)						
Surrogate: 1-Chlorooctadecane	115%	63.6-15	1						

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Received by OCD: 4/14/2023 7:29:26 AM

*=Accredited Analyte

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Celay 2 Keens

Celey D. Keene, Lab Director/Quality Manager





Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210 (505) 748-4635

Fax To:

Received:

10/16/2013

Reported: Project Name: 10/21/2013 LOTUS ALT STATE #9

Project Number:

103-163

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

10/10/2013

Sample Received By: Kathy Perez

Sample ID: S4-7' (H302509-06)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96.8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	99.8	% 89.4-12	6	***************************************					
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/18/2013	ND	204	102	200	8.49	
DRO >C10-C28	10.0	10.0	10/18/2013	ND	199	99.4	200	8.56	
Surrogate: 1-Chlorooctane	1069	6 65.2-14	0						
Surrogate: 1-Chlorooctudecane	1109	63.6-15	4						

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Celeg D. Keene





Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 10/16/2013

10/21/2013

Project Name:

LOTUS ALT STATE #9

Project Number: Project Location: NOT GIVEN

103-163

Sampling Date:

Sampling Type:

10/10/2013 Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Kathy Perez

Sample ID: S4-8' (H302509-07)

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	10/19/2013	ND	1.89	94.4	2.00	0.484	•
Toluene*	<0.050	0.050	10/19/2013	ND	1.95	97.4	2.00	0.486	
Ethylbenzene*	<0.050	0.050	10/19/2013	ND	1.97	98.4	2.00	0.735	
Total Xylenes*	<0.150	0.150	10/19/2013	ND	5.81	96,8	6.00	0.984	
Total BTEX	<0.300	0.300	10/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	100 9	6 89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26800	16.0	10/17/2013	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/18/2013	ND	204	102	200	8.49	
DRO >C10-C28	<10.0	10.0	10/18/2013	ND	199	99.4	200	8.56	
Surrogate: 1-Chlorooctane	120 %	65.2-140)						-
Surrogate: 1-Chlorooctudecane	121 %	63.6-15	1						

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*=Accredited Analyte

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Celey D. Keens

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

Cardinal Laboratories

Received by OCD: 4/14/2023 7:29:26 AM

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 9 of 10

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February 12, 2014

LUPE CARRASCO
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: LOTUS ALT STATE #9

Enclosed are the results of analyses for samples received by the laboratory on 02/06/14 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey & Keene

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

Received by OCD: 4/14/2023 7:29:26 AM

Lab Director/Quality Manager

Page 1 of 7





Analytical Results For:

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

Received:

02/06/2014

Reported:

02/12/2014

Project Name: Project Number: **LOTUS ALT STATE #9**

Project Location:

NONE GIVEN **NOT GIVEN**

Sampling Date: Sampling Type:

Sampling Condition:

Sample Received By:

02/03/2014 Soil

Cool & Intact

Celey D. Keene

Sample ID: S4-7' (H400380-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	120 %	6 89.4-120	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	02/11/2014	ND	400	100	400	3,92	-
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/10/2014	ND	214	107	200	0.383	•
DRO >C10-C28	<10.0	10.0	02/10/2014	ND	198	99.1	200	3.57	
Surrogate: 1-Chlorooctane	105 %	6 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keens



Analytical Results For:

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

Fax

Received: Reported: 02/06/2014

02/12/2014

Project Name: Project Number: LOTUS ALT STATE #9
NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

02/03/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By:

Cool & Intact

Celey D. Keene

Sample ID: S4-8' (H400380-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	0.081	0.050	02/11/2014	ND	2,32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7720	16.0	02/11/2014	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/10/2014	ND	214	107	200	0.383	
DRO >C10-C28	<10.0	10.0	02/10/2014	ND	198	99.1	200	3.57	
Surrogate: 1-Chlorooctane	100 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 63.6-15	4						

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Celley Z. Keena



Analytical Results For:

YATES PETROLEUM CORPORATION **LUPE CARRASCO** 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

02/06/2014

Reported:

02/12/2014

Project Name: Project Number: **LOTUS ALT STATE #9** NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

02/03/2014

Sampling Type: Sampling Condition: Soil

Sample Received By:

Cool & Intact

Celey D. Keene

Sample ID: S4-9' (H400380-03)

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	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	0.140	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2.30	115	2.00	4.18	
Total Xylenes*	<0.150	0,150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate; 4-Bromofluorobenzene (PIE	120 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	02/11/2014	ND	400	100	400	3.92	-
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10,0	10.0	02/10/2014	ND	214	107	200	0.383	
DRO >C10-C28	<10.0	10.0	02/10/2014	ND	198	99.1	200	3.57	
Surrogate: 1-Chlorooctane	1149	65.2-14	0				-		
Surrogate: 1-Chlorooctadecane	1189	63.6-15	4						

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FLEXE NOTE: Unbity and Damages. Condends habity and clear's endusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by clear for analyses. All claims, including those for negligence and any other cause whitesever shall be deemed waived urbos made in writing and received by Cardinal within thirty (30) days after completion of the applicable sentice. In no event shall Cardnal be liable for incidental or consequencial dimages, including, without lamitation, butiness interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, all/lates or successions arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

Celley & Keene



Analytical Results For:

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

Received:

02/06/2014

Reported:

02/12/2014

Project Name: Project Number:

LOTUS ALT STATE #9 NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil Cool & Intact

02/03/2014

Celey D. Keene

Sample ID: S4-10' (H400380-04)

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	02/11/2014	ND	2.34	117	2.00	4.12	
Toluene*	<0.050	0.050	02/11/2014	ND	2.32	116	2.00	3.68	
Ethylbenzene*	<0.050	0.050	02/11/2014	ND	2,30	115	2.00	4.18	
Total Xylenes*	<0.150	0.150	02/11/2014	ND	6.76	113	6.00	3.04	
Total BTEX	<0.300	0.300	02/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	1199	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	02/11/2014	ND	400	100	400	3.92	•
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/10/2014	ND	214	107	200	0.383	
DRO >C10-C28	<10.0	10.0	02/10/2014	ND	198	99.1	200	3,57	
Surrogate: 1-Chlorooctane	110 %	65.2-14	0	×					
Surrogate: 1-Chlorooctadecane	1179	63.6-15	4						

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Celen Litime

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

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

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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Celeg D. Keene

Date People Peo	Date	Help Help	Project Property Project Pro	Project Proj	Project Name Proj	### ARONAL LABORATORIES 101 Est Marrad H. COSS. NM 88240 102 Set Manager: Luse Carrasco Project Na ppi (909) 393-2222 Yalas Perroleum Corporation Project Na ppi (909) 393-2226 FAX (905) 393-2276 Project Na ppi (909) 393-2276 P	Slient Rep. ? UPS DHL on Receipt:	Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS (Temperature Upon Receipt:	Time	Date Date) OT:	Received by: Received by ELOT:	Time		Date Date	φ; • • • • • • • • • • • • • • • • • • •	Relinquished by:
Beginning Depth	Beginning Depth Ending Depth	Beginning Depth	Address: 105 South 4th Street Project	Signature Project Pr	### Project No.:	NDINAL LABORATORIES 1 East Marland, Hoobs, NM 88240 (505) 393-2326 FAX (505) 393-2476 1 East Marland, Hoobs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Address: 105 South 4th Street Address: 105 South 4th Street Address: 105 South 4th Street Figure Artesia, NM 88210 Figure Eax No: S75-748-4350 Eax No: Beginning Depth Ending Depth Beginning Depth 2/3/2014 Ending Depth 2/3/2014 Preservation Field Filtered Field Filtered Fotal # of Containers Preservation HNO, HCI Street HNO, <	ner(Labels on container(s) Custody seals on container Custody seals on cooler(s)	8	Cly C	<u>શ</u>				hoon	Received by:	Time		Date	bv.	Refinquished
Beginning Depth Ending Depth	Boginning Depth Ending Depth	Beginning Depth	Address: 105 South 4th Street	### ### ### ### ### ### ### ### ### ##	### Project Name: Localisiness L	Command Comm	SE	Laboratory Cor Sample Contains VOCs Free of He								\ \				ructions:	Special Ins
### Support	100 12 14 15 15 15 16 16 16 16 16	10. 10.	### Project Loc:	mpany Address: 105 South 4th Street mpany Address: 105 South 4th Street mpany Address: 105 South 4th Street project Loc: ### Address: 105 South 4th Street ### Project Loc: ### Address: 105 South 4th Street ### Project Loc: ### Address: 105 South 4th Street ### Project Loc: ### Address: 105 South 4th Street ### Project Loc: ### Address: 105 South 4th Street ### Project Loc: ### Address: 105 South 4th Street ### Project Loc: #### Project Loc: #### Project Loc: #### Project Loc: #### Project Loc: ###################################	Project Name:	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 Sight Manager: Lupe Carrasco mpi: (505) 393-2326 Yates Petroleum Corporation mpany Address: 105 South 4th Street mpler Signature: Artesia, NM 88210 ephone No: 575-748-4350 Fax No: Free Marling Depth Ending Depth Ending Depth Ending Depth 2/3/2014 Field Filtered 77 100 Presentation															
State Stat	10 10 10 10 10 10 10 10	### ##################################	### Project Loc: #### Project Loc: ##### Project Loc: ####################################	### Project 14: 103 393-2324 Yates Petroleum Corporation ###################################	### PIELD CODE Fax No. February Project Name Front Fr	### ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 ###################################					+			+			\dagger	+		ı	
State	10	10	## Project Loc: Pro	## Project 10: 10: 373-742-4350 ### Project Loc: 10: 10: South 4th Street ### Project Loc: 10: 10: South 4th Street ### Project Loc: 10: 10: 10: 10: 10: 10: 10: 10: 10: 10	Jiect Manager: Lune Carrasco Project Name: mpany Address: 105 South 4th Street Anesia, NM 88210 Fax No: Project Loc: ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 105 393-2326 FAX (505) 393-2476 Impri (505) 393-2327 Yates Petroleum Corporation Impany Address: 105 South 4th Street W/State/Zip: Artesia, NM 88210 Ephone No: 575-748-4350 Ephone No: 575-748-4350 Fax No: Implier Signature: Fax No: Implier Signature: Pessonation Fleid Code Bending Depth Date Flaid # Filldrand Flaid # Filldrand 100 100 100 100 100 100 100 1			2		-			-			+	+			-	
St. 94. 9. 1. St. 94. 94. 94. 94. 94. 94. 94. 94. 94. 94	10 20 21 1 1 1 1 1 1 1 1	10	### Project Loc: Pr	mpany Address: 105 South 4th Street mpany Address: 105 South 4th Street mpany Address: 105 South 4th Street mpany Address: 105 South 4th Street Artesia NM 88210 Fax No: Beginning Depth Ending Depth Ending Depth Date Sampled Time Sampled Field Filtered Field Filtered Total # of Containers to HNO, HCI H,SO, Nan-S,O, None Other (Specify) O'V-Circking Water StStudged Ni-Photo-Potatics Specify Other None Other (Specify) O'V-Circking Water StStudged Ni-Photo-Potatics Specify Other X X X TPH 118 18 SISSIM 8015 NAR / ESP / CEC Metals & A A B B of CC CPh to St. Metals & A A A B B of CC CPh to St. Metals & A A B B of CC CPh to St. Metals & A A A B B of CC CPh to St. Metals & A A A B B of CC CPh to St. Metals & A A A B B of CC CPh to St. Metals & A A B B of CC CPh to St. Metals & A A B B of CC CPh to St.	Deet Manager: Luce Carasco Project Name: Project	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 105 393-2326 FAX (505) 393-2476 Total Marland, Hobbs, NM 88240 105 393-2326 FAX (505) 393-2476 Total Marland, Hobbs, NM 88240 Tot								H				-			_
S4-10 S4-2 S4-7	10 10 10 10 10 10 10 10	### ##################################	## Project Loc: Pro	## PRELD CODE Project #:	Project Name:	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 105 393-2326 FAX (505) 393-2476 Inpri (505) 393-2326 Yates Petroleum Corporation Impany Address: 105 South 4th Street Impany			;		+		1	1		1		+			-
S4-9 S4-7	Beginning Depth Ending Depth Date Sampled Time Sampled Time Sampled Field Filtered Total #. of Containers Ice HNO, HCI H,SO, NaOH Na,S,2O, None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=SoltSold NP=Non-Potable Specify Other X X TPH: 418.1 8015M 8015t TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Sc	######################################	## Project Loc: ## Pro	### Project ### Pr	Project Name: Lupe Carriasco	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 105 393-2326 FAX (505) 393-2476 Diect Manager: Lupe Carrasco Impx (505) 393-2326 Yates Petroleum Corporation Impany Address: 105 South 4th Street W/State/Zip: Artesia, NM 88210 ephone No: 575-748-4350 Ephone No: 575-748-4350 Fax No: Fax N	_		×	1			F			2/3/2014				1-10°	S po
SA	Beginning Depth Ending Depth Ending Depth Date Sampled Time Sampled Time Sampled Field Filtered Total #. of Containers Ico HNO, HCI H ₂ SO, NaOH Na ₂ S ₂ O, None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=SoilSold NP=Non-Potable Specify Other X X TPH 418.1 8015M 80154 TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Sc	### ##################################	## 10380 ## Project Loc ## 10380 ## 103-163 ## 10	### Project Loc: Project Loc: Project Pr	Project Name:	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 102 (505) 393-2326 FAX (505) 393-2476 Inpr: (505) 393-2327 Vates Petroleum Corporation Impr: (505) 393-2327 Vates Petroleum Corporation Impri: (505) 393-2326 FAX (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505) 393-2476 Impri: (505)			×							2/3/2014				19'	
Beginning Depth Ending Depth Ending Depth Ending Depth Date Sampled Time Sampled Field Filtered Total #. of Containers Ico HNO, HCI H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃ None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Sold NP=Non-Potable Specify Other X TPH 418.1 8015M 8 TPH: TX 1005 TX 100 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb H	Beginning Depth Ending Depth Date Sampled Time Sampled Field Filtered Fotal #. of Containers Ico HNO, HCI H ₂ SO ₁ NaOH Na ₂ S ₂ O ₃ None Other (Specify) OW=Crinking Water SL=Studge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other X TPH 418.1 8015M 80154 TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Set	Beginning Depth Ending Depth Date Sampled Time Sampled Field Filtered Fotal #. of Containers Ico HNO, HCI H ₂ SO, NaOH Na ₇ S ₂ O ₃ None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S-Soit-Soid NP=Non-Potable Specify Other X TPH 418.1 8015M 8015 TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ao Ba Cd CC Ph Ho Ser	## Project Loc: ### Project Loc: #### Project Loc: #### Project Loc: ###################################	## Project Loc: ## Project ## ## ## ## ## ## ##	project Name: Lune Carrasco Project Name: Project Name: Project Name: Project Name: Project Name: Project Name: Project Name: Project Name: Project Name: N	ARDINAL LABORATORIES 101 East Mariand, Hobbs, NM 88240 inp: (505) 393-2326 FAX (505) 393-2476 inp: (505) 393-2326 Yates Petroleum Corporation impany Address: 105 South 4th Street. y/State/Zip: Anesia, NM 88210 impler Signature: Fax No: Field Fidured Footal #. Fo			×				=			2/3/2014		-		4-8'	
Beginning Depth Ending Depth Date Sampled Time Sampled Field Filtered Total #. of Containers Ico HNO ₃ HCI H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃ None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soit/Solid NP=Non-Potable Specify Other TPH 418.1 8015M 8 TPH: TX 1005 TX 100 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb H	Beginning Depth Ending Depth Date Sampled Time Sampled Time Sampled Field Filtered Total #. of Containers Ico HNO, HCI H ₂ SO ₄ NaOH Na ₂ S ₂ O ₃ None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soid-Solid NP=Non-Potable Specify Other TPH 418.1 8015M 8015 TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se	Beginning Depth Ending Depth Date Sampled Time Sampled Time Sampled Field Filtered Total #. of Containers Ico HNO, HCI H2SO, NaOH Na,S2O, None Other (Specify) DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Soild NP=Non-Potable Specify Other TPH 418.1 8015M 8015/ TPH TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As As Ba Cd Cr Ph Ho Sr Main Signal Alkalinity SAR / ESP / CEC Metals: As As Ba Cd Cr Ph Ho Sr Metals: As As Ba Cd Cr Ph Ho Sr Metals: As As Ba Cd Cr Ph Ho Sr Metals: As As Ba Cd Cr Ph Ho Sr	## 103380 ### South 4th Street ### Project Loc: #### Project Loc: #### Project Loc: #### Project Loc: ###################################	##ELD CODE Project	### Project Name: Lube Carrasco Project Name: Project Na	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 101 East Marland, Hobbs, NM 88240 (505) 393-2326 Yates Petroleum Corporation Impany Address: 105 South 4th Street W/State/Zip: Artesia, NM 88210 Ephone No: 575-748-4350 Fax No: Fax No: Fax No: Garrasco@ Fax No: Fax			×	S			<			2/3/2014				4-7'	
	H400380 - Preservation & # of Containers Matrix 5 a	H400380 - Preservation & # of Containers Matrix 55 to 5	mpany Address: 105 South 4th Street Project Loc: ##: 103-163 ##: 1	mp: (505) 393-232ℓ Yates Petroleum Corporation Project #: mpany Address: 105 South 4th Street Project Loc: y/State/Zip: Arlesia, NM 88210 Arlesia, NM 88210 Ephone No: 575-748-4350 Fax No: Fax No: Report Format: X Standers Signature: Carrasco@yatespetroleum.com H4400380 Preservation 8 # of Containors Matrix 5 x 103-163 TOTAL: Standers 103-163 TOTAL: Stande	Dject Manager: Lupe Carrasco Project Name: Project Loc: Pr	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 86240 505) 393-2326 FAX (505) 393-2476 inpi (505) 393-2327 Tates Petroleum Corporation impany Address: 105 South 4th Street y/State/Zip: Anesia, NM 88210 ephone No: 575-748-4350 Fax No: 6-mail: lcarrasco@	Volatiles Semivolatiles	Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb H	TPH: 418.1 8015M 8	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	Na ₂ S ₂ O ₃	H ₂ SO ₄	Ice		Time Sampled	Date Sampled		Beginning Depth	m	FIELD COD	LAB # (lab use only)
e-mail: carrasco@yatespetroleum.com	e-mail: lcarrasco@yatespetroleum.com		ress: 105 South 4th Street Project Artesia, NM 88210	3-232£ Yates Petroleum Corporation Projects: 105 South 4th Street Project	Project	AL LABORATORIES t Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 left: Lupe Carrasco 3-232t Yates Petroleum Corporation ress: 105 South 4th Street Artesia, NM 88210	a.		ort Forma	Rep				s I	Fax No				48-4350		
ephone No: 575-748-4350 Fax No: Report Format: X Stand	Fax No: Report Format: X Stand	575-748-4350 Fax No: Report Format:				(505) 393-2326 FAX (505) 393-2476	1	°O#: 103-163	טר										a, NM 88210		0
y/State/Zip: Aresia, NM 88210 PO #: 103-163 ephone No: 575-748-4350 Fax No: Report Format: X Stand Fax No: Icarrasco@yatespetroleum.com	### Artesia, NM 88210 Fax No:	Artesia, NM 88210 PO #: 575-748-4350 Fax No: Report Format:				(505) 393-2326 FAX (505) 393-2476		Loc:	Project										outh 4th Street	ompany Address: 105 Sc	0

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District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 NOV 2 2 2013

Oil Conservation Division 1220 South St. Francis Dr NMOCD ARTESIA

Santa Fe, NM 87505

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Form C-141 Revised October 10, 2003

7.1		Relea	se Notificati	on	and Co	orrective Ac	tion				
n/MW13	3363952	5	OPER	RA'	TOR		⊠ I	nitial F	Report		Final Report
Name of Comp	any		OGRID Number		Contact			···			
Yates Petroleur	n Corporation		25575		Lupe Carras						
Address 104 S. 4 TH Stre	et .				Γelephone Ν 575-748-14						
Facility Name			API Number		Facility Typ						
Penasco Water	System				Water Line						
Surface Owner			Mineral Owne	r			Lea	ase No			
fee			Fee								
			LOCATIO	ON	OF REI	LEASE					
Unit Letter Sc	Township 18S	Range 25E	Feet from the Nor	rth/S	South Line	Feet from the	East/West L	1	County Eddy		
	23 183	A	1 30 14060			104 4441004			cady		
		La	titude 32.14868		Longitude <u>.</u> OF RELI	-104.4441094 E A SE	•				
Type of Release			MATUR	الد	Volume of		Volu	me De	covered		
Produced Water					25 B/PW	Release	20 B		covered		
Source of Releas Water Line	e	4.77.4.4.4			Date and H 11/4/13 P	lour of Occurrence		and Ho	our of Disc	covery	
Was Immediate 1	Notice Given?				If YES, To		11/4/	13 11	Υ)		
		Yes 🔲	No 🗌 Not Require	ed	Mike Brate	her, NMOCD II					
By Whom?	D 1				Date and H						
Bob Asher, Yates Was a Watercour					11/5/13 PM	M Nume Impacting th	a Watercour				
Was a Watercom		Yes 🛛	No		N/A	name impacting th	- watercour				
If a Watercourse was Impacted, Describe Fully.* N/A											
	of Problem and Reme	dial Action	Taken.*								
Cause of the rele	ase was due to a brea	k in a water	line. Line was isolate	ed a	and shut in. '	Vacuum truck disp	atched to rec	over st	anding flui	id. Cr	ews called in
	ckhoe dispatched to										
	ffected and Cleanup A area of 12' X 100'wa			scra	ped up and to	aken to an NMOCI	D approved 1	acility.	Vertical a	and ho	rizontal
delineation samp	les will be taken and	analysis ran	for TPH & BTEX, C	hlo	rides will be	run for documenta	tion. If initi	al analy	tical resul	ts for '	ГРН &
	RRAL's a Final Repo										
	nitted. Depth to Gro Surface Water Body				125', Section	n 25-1 185-R25E,	per Trend I	иар), у	wellhead i	Protec	tion Area:
	nat the information gi				e best of my	knowledge and un	derstand that	pursua	int to NMC	OCD r	ules and
regulations all op	erators are required to	o report and	or file certain release	e no	tifications ar	nd perform correcti	ve actions fo	r releas	ses which	may ei	ndanger
	he environment. The ations have failed to a										
	nt. In addition, NMC										
federal, state, or l	ocal laws and/or regu	lations.	•								
		7				OIL CONS	ERVATI	<u>ON D</u>	<u> IVISIO</u>	N	
Signature:	Dyn- Car	carca		_					11 .		
Printed Name: Lu	ipe Carrasco					District Supervisor		MI.	/4 Br	mu	(# <u></u>
					Approval Dat	PEC 02 201	3 Evniro	tion Da	ıta:		
inic, blivironine	ntal Regulatory Agen	1		+	spprovai Dai	V.	Expita	1011 101			
E-mail Address:	lcarrasco@yatespetro	leum.com		C	Conditions of	. * *	on i n		Attached		
Date: Friday, Nov	vember 22, 2013	Pl	hone: 575-748-1471			liation per OCE		. :1			
	al Sheets If Necess		10110.010 170-1711			s. SUBMIT REM		1 -	20	O	2187
A	3336393	•			. .	OSAL NO LATER	THAN:	, ,	~ K	1-	2086
• -				>	Januar	<u>y. 2,201</u>	4				
	12264140	1)					

Bratcher, Mike, EMNRD

From: Bob Asher <BobA@yatespetroleum.com>
Sent: Tuesday, November 05, 2013 3:42 PM

To: Bratcher, Mike, EMNRD; Dade, Randy, EMNRD

Cc: Amber Cannon; Katie Parker; Lupe Carrasco

Subject: Release (Penasco Water System)

Yates Petroleum Corporation is reporting a release at the following location (11/4/2013).

Penasco Water System SW/4 of Section 25, T18S-R25E Eddy County, New Mexico

Released: 25 B/PW; Recovered: 20 B/PW.

Cause of release is from a water line. Vacuum truck was called and impacted soils were excavated. The surface owner is Remuda Energy Transportation. Complete information will be submitted in a Form C-141.

Thank you.

Robert Asher

NM Environmental Regulatory Supervisor

Yates Petroleum Corporation 105 S. 4th Street Artesia, NM 88210 575-748-4217 (Office) 575-365-4021 (Cell)

This message may contain confidential information and is intended for the named recipient only. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version.

Received by OCD: 4/14/2023 7:29:26 AM

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

> Oil Conservation Division 1220 South St. Francis Dr.

HOBBS OCD

Form C-141 Revised October 10, 2003

SEP 2 4 2014 Jubmit 2 Copies to appropriate District Office in accordance with Rule 1 16 on back side of form

Sant	Fe, NM 87505	side of form
Release Notificat	on and Corrective Action	
	ATOR 🔯 Initial Rep	
Name of Company OGRID Number	Contact	T I mai Report
Yates Petroleum Corporation 25575	Lupe Carrasco	
Address	Telephone No.	
104 S. 4 TH Street	575-748-1471	
Facility Name API Number	Facility Type	
Lotus ALT State #9 30-025-37661	Well	
Surface Owner Mineral Own	Lease No.	
State State	V-2443	
	ON OF RELEASE	
		unty
M 32 22S 32E 480'	South 330' West Lea	
Latitude <u>32.3419</u>	<u>0 Longitude103,7037300</u>	
NATU	E OF RELEASE	
Type of Release	Volume of Release Volume Recov	vered
Crude Oil / Produced Water Source of Release	15 B/O; 25 B/PW 0 Date and Hour of Occurrence Date and Hour	of Discovery
Flow Line	9/3/2013 AM 9/3/2013 AM	of Discovery
Was Immediate Notice Given?	If YES, To Whom?	
☐ Yes ☐ No ☐ Not Requ	<u> </u>	
By Whom? Bob Asher, Yates Petroleum Corporation	Date and Hour 9/3/2013 PM (email)	
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.	
☐ Yes ⊠ No	N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.*		
Release was caused by a poly flow line failure causing oil and produc		
and a small area next to the road. Well was shut in and poly line isol		in to repair line. Impacted
area to be excavated and areas impacted by spray mist to be treated we Describe Area Affected and Cleanup Action Taken.*	Micro Diaze.	
An approximate area of 50' X 60' was impacted. Impacted soils to be	craped up and taken to an NMOCD approved facility. V	ertical and horizontal
delineation samples will be taken and analysis ran for TPH & BTEX		
BTEX are under RRAL's a Final Report, C-141 will be submitted to plan will be submitted. Depth to Ground Water: >100' (approxim		
No, Distance to Surface Water Body: >1000', SITE RANKING IS		mneau Frotection,Area:
I hereby certify that the information given above is true and complete	the best of my knowledge and understand that pursuant	
regulations all operators are required to report and/or file certain rele		
public health or the environment. The acceptance of a C-141 report		
should their operations have failed to adequately investigate and rem or the environment. In addition, NMOCD acceptance of a C-141 rep		
federal, state, or local laws and/or regulations.		
	OIL CONSERVATION DI	<u>V4810N</u>
Signature: Signature:	-	
	Approved by District Supervisor.	
Printed Name: Lupe Carrasco	tomtal specialis	
Title: Environmental Regulatory Agent	Approval Date: 4-2-4-/7 Expiration Date	11-24-19
E-mail Address: lcarrasco@yatespetroleum.com	Conditions of Approval:	
	Siresyph report	ttached [
Date: Friday, September 06, 2013 Phone: 575-748-14	2RP- Delimber Compare are	1RP-3342

mpn Nnoco grade.

1-24-14

Intuit final 6-141 by

SEP 2 3 201'

MTO 1426 736270 P701426 73644S

ogrid 25575

HOPES CARRON

<u>District 1</u> 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 Fc, NM 8/1505

State of New Mexico

DEC 6 & Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr. RECEIVED ... Santa Fe, NM 87505

Form C-141 Revised August 8, 2011

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

Signature:		OIL CONSI	ERVATION	<u>DIVÍSIÓN</u>
Printed Name: Chase Settle		Approved by Environmental Spe	cialist:	
Title: NM Environmental Regulato	ry Agent	Approval Date: 42-8-/4	Expiration) Date:
E-mail Address: csettle@yatespetre	oleum.com	Conditions of Approval:	ì	Attached
Date: 12/1/2014	Phone: 575-748-4171			IRP-3347

170 1416 73 CZ 70 PTO 1426 736445

^{*} Attach Additional Sheets If Necessary

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

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

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

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

CONDITIONS

Action 207769

CONDITIONS

Operator:	OGRID:
EOG Y RESOURCES, INC.	25575
104 S 4th St	Action Number:
Artesia, NM 88210	207769
	Action Type:
	[IM-SD] Admin Order Support Doc (ENV) (IM-BAO)

CONDITIONS

Crea By	ed Condition	Condition Date
bh	II Historic document upload	4/14/2023