MARTIN YATES, III 1912-1985

FRANK W. YATES

S.P YATES 1914-2008



105 SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

JOHN A. YATES CHAIRMAN OF THE BOARD

JOHN A. YATES JR.

JAMES S. BROWN CHIEF OPERATING OFFICER

JOHN D. PERINI CHIEF FINANCIAL OFFICER

JORGE S. MENDOZA

CHIEF ADMINISTRATIVE OFFICER

RECEIVED

AUG 3 1 2012

NMOCD ARTESIA

August 31, 2012

Mr. Mike Bratcher Oil Conservation Division 811 S. First St. Artesia, NM 88210

RE:

Creek AL Federal #12

30-015-27775

Section 25, T18S-R30E Eddy County, New Mexico

Dear Mr. Bratcher,

Yates Petroleum Corporation would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated August 17, 2012.

If there are no objections with the scope of work described in the plan, Yates Petroleum Corporation will have a contractor begin work on or after the week of September 14, 2012 or earlier with your approval.

If you have any questions please feel free to contact me at (575) 748-4350.

Thank You,

Lupe Carrasco

Environmental Regulatory Agent

Yates Petroleum Corporation

Enclosure(s):

Work Plan

Map to location.

Analytical Results Summary Table Analytical Report (H2021010)

KATHY H. PORTER SECRETARY

DENNIS G. KINSEY TREASURER

Yates Petroleum Corporation

Creek AL Federal #12 Work Plan

Section 25, T18S-R30E

Eddy County, New Mexico

August 31, 2012

I. Location

From Loco Hills, go East on Hwy. 82 to County Road 222. Turn South for 6 $\frac{1}{2}$ miles to Grubbs Road. Turn West on Grubbs for 2 $\frac{1}{2}$ miles. Turn North on caliche road for approximately $\frac{1}{2}$ mile. Turn right for 500' to location.

II. Background

On August 15, 2012, a release occurred consisting of 20 B/O and 15 B/PW of which 0 B/O and 0 B/PW were recovered. The release occurred due to a leak in the flow line. Yates Petroleum Corporation submitted a C-141 Initial on August 20, 2012, to the NMOCD District II Office. The total impacted area was approximately 10' X 10'. Production had the impacted area excavated, hauled, and some of the soil stockpiled on location. The area was excavated to a depth of about 14' before the impacted site was sampled. Before delineation samples were taken on August 22, 2012, the excavated area had naturally backfilled to a depth of 10' because of the instability of the sidewalls and the sandy soil. The total excavated area measures approximately 20' X 60'. Initial delineation samples were sent to an NMOCD approved laboratory (8/28/12 results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic. The nearest Depth to Groundwater record listed on the Chevron Texaco Trend Map (Section 25, T18S-R30E) shows depth of groundwater to be approximately 184 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 and highly permeable with no measureable barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Upon approval of this work plan and based on the enclosed analytical results, Yates Petroleum Corporation will have a contractor excavate 2' of the remaining impacted soil (total excavation will be 20' x 60' x 12' deep). Impacted soils excavated will be stock piled on plastic and remediated on site until sample analysis indicate that levels are below RRAL's. Remediation will consist of working the material bi-monthly and adding water and fertilizer as needed. Once samples indicate levels below RRAL's, Yates Petroleum Corporation will submit a C-141 for closure. Based on approval, the remediated soil will be returned to the excavation area and soil will be brought in from a neighboring pit to backfill the excavated area and returned the area to its natural state.

	i StriL	SARTU (ARTA 18 #1		T190	D 3 0 F				
23	24	19	20	21	22	23	24	19	20
26	25	30	29	28 4	2 7	26	25 crubbs	30	29 250 GRUBBS
35	360	31		SON 250 BH 33 BH BENSON PEEP BENSON PEEP BH	34	35	36	**************************************	32
2	1	6	55	4	3	2	1	6	5
11 	12	BRACKET BRE #20 BRACKET BRE #1H	8	9	10	11	12	7	DOMINO

Creek AL Federal #12

Analytical Report H202010	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1-10'	8/22/2012	10'	231	3690	10500	14190	560
S1-12'	8/22/2012	12'	77.5	1500	5420	6997.5	384
S1-14'	8/22/2012	14'	ND	ND	ND	0	32
S1-16'	8/22/2012	16'	0.085	ND	24.1	24.185	2640
S2-10'	8/22/2012	10'	ND	ND	ND	0	32
S2-12'	8/22/2012	12'	ND	ND	ND	0	ND
S2-14'	8/22/2012	14'	108.13	1140	3410	4658.13	880
S2-16'	8/22/2012	16'	ND	ND	22.2	22.2	848
S-Pile	8/22/2012		255.51	4160	12800	16960	1600

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 184', per trend map).

All results are ppm.Chlorides for documentation.

Released: 20 B/O, 15 B/PW, Recovered: 0 B/O, 0 B/PW. Release Date: 8/15/2012



August 28, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: CREEK AL #12

Enclosed are the results of analyses for samples received by the laboratory on 08/22/12 14:50.

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 accredited certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

08/22/2012

08/28/2012

Reported: Project Name:

CREEK AL #12 103-163

Project Number: Project Location:

NOT GIVEN

Sampling Date:

08/22/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S1 - 10' (H202010-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.90	1.00	08/27/2012	ND	1.64	82.1	2.00	0.462	
Toluene*	38.3	1.00	08/27/2012	ND	1.69	84.4	2.00	0.170	
Ethylbenzene*	113	1.00	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	76.8	3.00	08/27/2012	ND	5.65	94.2	6.00	0.713	
Surrogate: 4-Bromofluorobenzene (PIC	141	% 89.4-12	6						
Chloride, SM4500Cl-B mg/kg		Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/27/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3690	100	08/27/2012	ND	213	107	200	3.48	
DRO >C10-C28	10500	100	08/27/2012	ND	218	109	200	5.40	
Surrogate. 1-Chlorooctane	312 9	65.2-14	0 .						
Surrogate: 1-Chlorooctadecane	188 9	63 6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Clordinal within (30) days after completion of the applicable service. In no event shall Cardinal be liable for inodental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiance, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal laborisomes.

Celeg D. Keine



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/22/2012

Sampling Date:

08/22/2012

Reported:

08/28/2012

Sampling Type:

Soil

Project Name:

CREEK AL #12

Sampling Condition:

Cool & Intact

Project Number:

103-163

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S1 - 12' (H202010-02)

BTEX 8021B	mg,	/kg	Analyze	ed By: AP					,
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	08/27/2012	ND	1.64	82.1	2.00	0.462	
Toluene*	10.2	1.00	08/27/2012	· ND	1.69	84.4	2.00	0.170	
Ethylbenzene*	38.8	1.00	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	28.5	3.00	08/27/2012	ND	5.65	94.2	6.00	0.713	
Surrogate 4-Bromofluorobenzene (PIL	110 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	384	16.0	08/27/2012	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1500	100	08/27/2012	ND	213	107	200	3.48	
DRO >C10-C28	5420	100	08/27/2012	ND	218	109	200	5.40	
Surrogate 1-Chlorooctane	211 %	6 65.2-14	9						
Surrogate: 1-Chlorooctadecane	194 %	63 6-15-	4	1					

Cardinal Laboratories

*=Accredited Analyte

any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without illimitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/22/2012 08/28/2012 Sampling Date:

08/22/2012

Reported:

CREEK AL #12

Sampling Type: Sampling Condition: Soil Cool & Intact

Project Name: Project Number:

103-163

Project Location:

NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: S1 - 14' (H202010-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2012	ND	1.64	82.1	2.00	0.462	
Toluene*	< 0.050	0.050	08/27/2012	ND	1.69	84.4	2,00	0.170	
Ethylbenzene*	<0.050	0.050	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	<0.150	0.150	08/27/2012	ND	5.65	94.2	6.00	0.713	
Surrogate. 4-Bromofluorobenzene (PIL	99.4 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/27/2012	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	08/27/2012	ND	213	107	200	3.48	
DRO >C10-C28	<10.0	10.0	08/27/2012	ND	218	109	200	5.40	
Surrogate 1-Chlorooctane	84 7 9	65 2-14	0					***	-
Surrogate 1-Chlorooctadecane	9869	63 6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Liability and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatspever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of use, or loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celey & Keine



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/22/2012

Sampling Date:

08/22/2012

Reported:

08/28/2012

Sampling Type:

Soil

Project Name:

CREEK AL #12

Sampling Condition:

Cool & Intact

Project Number:

103-163

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S1 - 16' (H202010-04)

RTFY	8021R	

BTEX 8021B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2012	ND	1.64	82.1	2.00	0.462	
Toluene*	<0.050	0.050	08/27/2012	ND	1.69	84.4	2.00	0.170	
Ethylbenzene*	0.085	0.050	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	<0.150	0.150	08/27/2012	ND	5.65	94.2	6.00	0.713	

Surrogate.	4-bromojiuorobenzene	(PI

101 %

Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte ·	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	08/27/2012	ND	416	104	400	0.00	
TPH 8015M	mg	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	08/27/2012	ND	213	107	200	3.48	
	24.1	10.0	08/27/2012	ND	218	109	200	5.40	

Surrogate. 1-Chlorooctane

92.1 %

65.2-140

Surrogate. 1-Chlorooctadecane

103 %

63.6-154

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Lability and Damages Cardinal's lability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celey & Kune



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/22/2012

Reported:

08/28/2012 CREEK AL #12

Project Name: Project Number: Project Location:

103-163

NOT GIVEN

Sampling Date:

08/22/2012

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S2 - 10' (H202010-05)

BTEX 8021B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2012	ND	1.64	82.1	2.00	0.462	
Toluene*	<0.050	0.050	08/27/2012	ND	1.69	84.4	2.00	0.170	
Ethylbenzene*	<0.050	0.050	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	<0.150	0.150	08/27/2012	ND	5.65	94.2	6.00	0.713	
Surrogate 4-Bromofluorobenzene (PIL	99.5	% 89 4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM					<u> </u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/27/2012	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	08/27/2012	ND	213	107	200	3.48	
DRO >C10-C28	<10.0	10.0	08/27/2012	ND	218	109	200	5.40	
Surrogate 1-Chlorooctane	74.4	% 65 2-14	0						
Surrogate. 1-Chlorooctadecane	89 2 5	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratoness.

Celey & Keine



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 08/22/2012

08/28/2012

Project Name:

CREEK AL #12

Project Number: Project Location:

103-163 NOT GIVEN Sampling Date:

08/22/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S2 - 12' (H202010-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2012	ND	1.64	82.1	2.00	0.462	
Toluene*	<0.050	0.050	08/27/2012	ND	1.69	84.4	2.00	0.170	
Ethylbenzene*	<0.050	0.050	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	<0.150	0.150	08/27/2012	ND	5.65	94.2	6.00	0.713	
Surrogate: 4-Bromofluorobenzene (PIL	97.4 %	6 89 4-12	6						
Chloride, SM4500CI-B		kg	Analyzed By: HM					_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/27/2012	ND	416	104	400	0.00	
TPH 8015M	mg/l	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	08/27/2012	ND	213	107	200	3.48	
DRO >C10-C28	<10.0	10.0	08/27/2012	ND	218	109	200	5.40	
Surrogate: 1-Chlorooctane	85.2 %	65.2-14	0						
Surrogate. 1-Chlorooctadecane	98.6%	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for inodental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated resons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratomes.

Celey & Keens



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 08/22/2012

08/28/2012

CREEK AL #12

Project Name: Project Number:

103-163

Project Location:

NOT GIVEN

Sampling Date:

08/22/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S2 - 14' (H202010-07)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.23	0.500	08/27/2012	ND	1.64	82.1	2,00	0.462	
Toluene*	21.5	0.500	08/27/2012	ND	1.69	84.4	2.00	0.170	
Ethylbenzene*	49.1	0.500	08/27/2012	ND	1.75	87.7	2.00	0.370	
Total Xylenes*	35.3	1.50	08/27/2012	ND	5.65	94.2	6.00	0.713	
Surrogate 4-Bromofluorobenzene (PIL	131	% 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM		_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/27/2012	ND	416	104	400	0.00	
TPH 8015M	mg,	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1140	50.0	08/27/2012	ND	213	107	200	3.48	
DRO >C10-C28	3410	50.0	08/27/2012	ND	218	109	200	5.40	
Surrogate. 1-Chlorooctane	181	% 65 2-14	0					,	
Surrogate 1-Chlorooctadecane	176	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Labdity and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completeon of the applicable service. In no event shall Cardinal be liable for inodental or consequential damages, including, without limitation, business interrupbons, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/22/2012

Reported:

08/28/2012

Project Name: Project Number: CREEK AL #12 103-163

Project Location:

NOT GIVEN

Sampling Date:

08/22/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S2 - 16' (H202010-08)

BTEX 8021B	mg,	/kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2012	ND	1.64	82.1	2.00	0.462		
Toluene*	<0.050	0.050	08/27/2012	ND .	1.69	84.4	2.00	0.170		
Ethylbenzene*	<0.050	0.050	08/27/2012	ND	1.75	87.7	2.00	0.370		
Total Xylenes*	<0.150	0.150	08/27/2012	ND	5.65	94.2	6.00	0.713		
Surrogate: 4-Bromofluorobenzene (PIL	99 7	% 89 4-12	6							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	yzed Method Blank		% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	08/27/2012	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	08/27/2012	ND	213	107	200	3.48		
DRO >C10-C28	22.2	10.0	08/27/2012	ND	218	109	200	5.40		
Surrogate: 1-Chlorooctane	90 9	% 65 2-14	0							
Surrogate: 1-Chlorooctadecane	107	% 63 6-15	4							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE. Liability and Damages Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for inodental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celey & Keine



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

08/22/2012

Reported:

08/28/2012

Project Name:

CREEK AL #12

Project Number:

103-163

Project Location:

NOT GIVEN

Sampling Date:

08/22/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S - PILE (H202010-09)

BTEX 8021B	mg/l	cg	Analyze	d By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
Benzene*	6.21	0.200	08/27/2012	ND	1.64	82.1	2.00	0.462		
Toluene*	56.8	0.200	08/27/2012	ND	1.69	84.4	2.00	0.170		
Ethylbenzene*	125	0.200	08/27/2012	ND	1.75	87.7	2.00	0.370		
Total Xylenes*	70.5	0.600	08/27/2012	ND	5.65	94.2	6.00	0.713		
Surrogate: 4-Bromofluorobenzene (PIL	196 %	89 4-12	6		-					
Chloride, SM4500CI-B	mg/l	(g	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600 16.0		08/27/2012	ND	384	96.0	400	11.8		
TPH 8015M	mg/l	(g	Analyze	d By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	4160	100	08/27/2012	ND	213	107	200	3.48		
DRO >C10-C28	12800	100	08/27/2012	ND	218	109	200	5.40		
Surrogate 1-Chlorooctane	359 %	65 2-14	0							
Surrogate 1-Chlorooctadecane	240 %	63 6-15	4							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incidented by client, its subsidiaries, affiliates or successors ansing out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approved of Cardinal Laboratories.

Celey & Keine



Notes and Definitions

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

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE Lability and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for inodental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratones.

Celeg & Keine

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUES



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

	Project Manager:	Lupe Carrasco									٠	Proj	ect	Nam	e:	<u> L</u>	ي مهرمور	·• .: 3	7	194.	. 4	primit o	. ئېم			_						
	Compi (505) 393-232	26 Yates Petroleum Corporation														Pro	ject	#:	,			• ;					, 		_			
	Company Address:	105 South 4th	5 South 4th Street											Project Loc:												-						
	City/State/Zip:	Artesia, NM	esia, NM 88210												PO # : 103-163																	
•	Telephone No:	575-748-4350)			-		Fax No:			, .			,			Re	port	For	mat:		∫St	anda	rd		TR	RP		 i	NPDE	Š	_
	Sampler Signature:		The second	سر معاروس	====================================	,		.e-mail:	1	car	ras	co(@ya	ites	petr	olei	um.c	om		.*	٠,		٠,	· .								
lah usa								,		,	,			• •						TOLE		nalyz	e Fo	r:	_		$\overline{}$	\exists	1			
	use only) (DER #: + 202000)				Preservation & # of Containers						ore .	Ma	itrix			TCLP TOTAL:								3, 72 hrs		,						
AB # (lab use only)		LD CODE		Beginning Depth	Ending Depth	Date Sampled		Time Sampled	[<u>2</u> .]	Total #: of Containers	CNH		24		Ora S.O.	(Specify)	=Drinking Water. SL=Studge	NP=Non-Potable Specify Other	PH: 418.1 8015M 5313		Cations (Ca. Mg. Na, K)	SAR / ESP / CEC	Metais: As Ag Ba Cd Cr'Pb, Hg Se		mivolatües	अत्या श्वाहाऽऽऽऽ or BTEX 8260 RCI	N.O.R.M.	Chordes	SAR	USH TAT (Pre-Schedule) 24.48	Standard TAT	
. 1	57-16	LD.OODL			ш	3/82/17	-	. , , , , , , , , , , , , , , , , , , ,			1		1			<u> </u>		<u>, </u>	X.	-	7	ξ <i>0</i> ,	2	>		χ	1	1	<u>"</u>	+	+	-
Z	- 51-12'					Streliz			\prod		1	1	T						y		. ,	1			7	χ	1	V.	1	十	1	-
. 3	31-19					5/22/16	·	· · · · · · · · · · · · · · · · · · ·	, .	T	-								Ŵ			1	1		7	(Y-	1	拼			T	_
Ÿ	SY - 16					· + /2/1/2		٠.			. ;							,	is.		• .					Ñ	T	1			T	
5	32-10'		٠٠.			\$ 126/m	, .	,::.,	, , ,		, ,						<u></u>		Ŋ.					,	7	\\L		17. Ya	\Box		Ι	
6	52-13	• • • • •			٠,	8/2011		<i>,</i>	<u> </u>						1.		. ,		Ŵ				·		Ŀ	til.		Á				_
7.	186-165	-			<u>.</u>	egizthiz.					<u>.</u>	ŀ	<u> </u>	Ш		1_	<u>.</u>		7		·					Ä		· <u>W</u> .				
- 40			<u> </u>		ļ, ·.	8/30/16		·	11	_		<u>. </u>	<u> '`</u>	\sqcup	_	1		· <u>,</u>	Ŕ		_	4	_	1.	Ш	<u> </u>	Ŀ	X.		_	$oldsymbol{\perp}$	_
9	5 A1-	· · · · · ·			ļ:	-8/28/:1	<u> </u>	•	11			<u> </u>	<u> </u>	$\vdash \downarrow$	<u> </u>	<i>.</i>		. '	1				_	<u> </u>		<u> </u>	<u> </u>	. 14	\vdash		4	_
Special	I Instructions:	•	*	Ŀ	<u> </u>	· ·	<u> </u>					<u> :</u>					<u> </u>		<u> </u>		Lab	27216			nente		<u>. </u>			L		_
							••										,				Sam VOC	ple C s Fr	Conta ee of	iners Hea	Inta dspa	ct?		((F) Y	N N		
تنسير	ished by:		Date Date	, 19	ime Jane	Received by: Received by:		<u>Mei</u>	N	00	<u>// (</u>	. 4	•,		1	8/2	ate 27/ ate	2	7: Tim	50	Cust Cust Sam	tody tody ple h by Sa	seals seals land	on c Deliver/Clie	contai cooler vered	ep. ?.) HL	(Fer	TASA A	N N N N Lone S	>	
Relinqui	ished by:		Date	T	ime	Received by EL	OT.							·		D	ate.		Tim	e						eipt:		-		°C		,