MARTIN YATES, III

FRANK W. YATES

S.P. YATES 1914-2008



JOHN A. YATES

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105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

April 13, 2015

Mr. Mike Bratcher NMOCD District II 811 South First Street Artesia, NM 88210

Re:

Dolores AIL Federal #1

30-015-26547

Section 14, T22S-R31E Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the release that occurred at the above mentioned facility on 3/19/2015 (2RP-2933).

On 4/1/2015 Yates sampled the release area (approximately 15' x 65'). Analytical results show the following:

- TPH is over RRALs on the surface of the release area, and below RRALs at 6", 1', and 2' below the surface level.
- BTEX levels are below RRALs on the surface, 6", 1' and 2' below the surface level.
- Chlorides are at elevated levels (greater than 1,000 ppm) on the surface, 6", and 1', but are below 1,000 ppm at 2' below the surface level.

Yates proposes to excavate 1' of impacted soils from the release area and haul the contaminated soils to a NMOCD approved facility. Excavation will be backfilled with caliche. Once all work has been completed a Final C-141 will be submitted to your office.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at acannon@yatespetroleum.com.

Thank You.

Amber Cannon

Environmental Regulatory Agent

Yates Petroleum Corporation

Dolores AIL Federal #1

	Sample Area	Sampl	e Date Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	BTEX GRO DRO TOTAL Chlorides
Surface	Release Area	4/1/2015	H500885	Comp/Auger	Surface	6.11	193	11,100	193 11,100 11,293	14,500
9	Release Area	4/1/2015	H500885	Comp/Auger	6"	ND	Q	ND	ND	3,000
;-	Release Area	4/1/2015	H500885	Comp/Auger	1.	QN	ND	ND	ND	4,720
2.	Release Area	4/1/2015	H500885	Comp/Auger	2.	ND	ND	Q	ND	64

Site Ranking is Zero (0). Depth to Ground Water > 100' (approx. 150', Section 11, T22S-R31E per ChevronTexaco Trend Map).

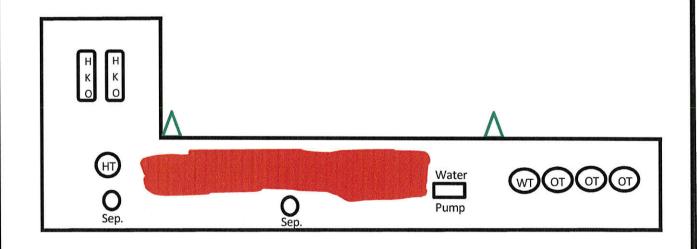
All results are ppm. Chlorides for documentation.

Released: 15 B/PW; 5 B/O, 3 MCF Gas. Recovered: 13 B/PW, 2 B/O. Release Date: 3/19/2015. 2RP-2933



Pump Jack







Dolores AIL Federal #1 30-015-26547 Section 14, T22S-R31E Eddy County, NM

2RP-2933

Prepared by Amber Cannon Environmental Regulatory Agent

C C

E S S

R O A D

Drawing not to Scale



April 10, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: DOLORES AIL FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/02/15 11:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

04/02/2015

Sampling Date:

04/01/2015

Reported:

BTEX 8021B

Soil

04/10/2015

Sampling Type:

Project Name:

DOLORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

3/19/2015 RELEASE

mg/kg

Sample Received By:

Jodi Henson

Project Location:

14-22S-31E EDDY COUNTY

Sample ID: SURFACE (H500885-01)

		9		y . m.s					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/08/2015	ND	1.82	91.2	2.00	2.09	
Toluene*	0.575	0.100	04/08/2015	ND	1.74	86.9	2.00	0.754	
Ethylbenzene*	1.10	0.100	04/08/2015	ND	1.68	84.2	2.00	0.196	
Total Xylenes*	4.43	0.300	04/08/2015	ND	5.29	88.1	6.00	0.465	
Total BTEX	6.11	0.600	04/08/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	149 % 61-154								7-17-17-1
TPH 8015M	mg/	/kg	Analyze	d By: MS				Marin Inc.	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	193	50.0	04/07/2015	ND	196	98.2	200	3.87	
DRO >C10-C28	11100	50.0	04/07/2015	ND	217	109	200	5.33	

Analyzed By: ms

Surrogate: 1-Chlorooctane 126% 47.2-157 Surrogate: 1-Chlorooctadecane 289 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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

Celeg to treene -



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

Received:

04/02/2015

Sampling Date:

04/01/2015

Reported:

04/10/2015

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

3/19/2015 RELEASE

Sample Received By:

Jodi Henson

Project Location:

14-22S-31E EDDY COUNTY

Sample ID: 6" (H500885-02)

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	04/08/2015	ND	1.82	91.2	2.00	2.09	
Toluene*	<0.050	0.050	04/08/2015	ND	1.74	86.9	2.00	0.754	
Ethylbenzene*	<0.050	0.050	04/08/2015	ND	1.68	84.2	2.00	0.196	
Total Xylenes*	<0.150	0.150	04/08/2015	ND	5.29	88.1	6.00	0.465	
Total BTEX	<0.300	0.300	04/08/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	% 61-154	!						
TPH 8015M	mg/	kg	Analyze	d By: MS			and the second second		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	196	98.2	200	3.87	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	217	109	200	5.33	
Surrogate: 1-Chlorooctane	112 9	% 47.2-15	7			1112 y 100 may 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
Surrogate: 1-Chlorooctadecane	115 9	% 52.1-17	6						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Freene



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

04/02/2015

Sampling Date:

04/01/2015

Reported:

04/10/2015

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location:

3/19/2015 RELEASE 14-22S-31E EDDY COUNTY Sample Received By:

Jodi Henson

Sample ID: 1' (H500885-03)

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	04/08/2015	ND	2.09	105	2.00	2.49	
Toluene*	<0.050	0.050	04/08/2015	ND	1.92	96.2	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/08/2015	ND	1.90	95.2	2.00	3.58	
Total Xylenes*	<0.150	0.150	04/08/2015	ND	5.94	99.0	6.00	3.41	
Total BTEX	<0.300	0.300	04/08/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	61-154							
TPH 8015M	mg/	kg	Analyze	d By: MS	To the second second				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/07/2015	ND	196	98.2	200	3.87	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	217	109	200	5.33	
Surrogate: 1-Chlorooctane	109 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	1169	52.1-17	6						

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*=Accredited Analyte

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Celeg & Kune -



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

Received:

04/02/2015

Sampling Date:

04/01/2015

Reported:

04/10/2015

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL BATTERY

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

3/19/2015 RELEASE

Sample Received By:

Jodi Henson

Project Location:

14-22S-31E EDDY COUNTY

Sample ID: 2' (H500885-04)

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	04/08/2015	ND	2.09	105	2.00	2.49	
Toluene*	<0.050	0.050	04/08/2015	ND	1.92	96.2	2.00	2.57	
Ethylbenzene*	<0.050	0.050	04/08/2015	ND	1.90	95.2	2.00	3.58	
Total Xylenes*	<0.150	0.150	04/08/2015	ND	5.94	99.0	6.00	3.41	
Total BTEX	<0.300	0.300	04/08/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 61-154							
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	04/07/2015	ND	196	98.2 200 3.87		3.87	
DRO >C10-C28	<10.0	10.0	04/07/2015	ND	217	109	200	5.33	
Surrogate: 1-Chlorooctane	110	% 47.2-15	7	(4)	<u></u>				
Surrogate: 1-Chlorooctadecane	114	% 52.1-17	6						

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*=Accredited Analyte

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Celeg D. Krene



Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

Samples not received at proper temperature of 6°C or below. **

Insufficient time to reach temperature.

Chloride by 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

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Celeg Ditreme -

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April 10, 2015

AMBER CANNON
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: DOLORES AIL FEDERAL BATTERY

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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 D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



YATES PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

04/02/2015

Sampling Date:

04/01/2015

Reported:

04/10/2015

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL BATTERY

Sampling Condition:

Cool & Intact

Project Number:

3/19/2015 RELEASE

Sample Received By:

Jodi Henson

Project Location:

14-22S-31E EDDY COUNTY

Sample ID: SURFACE (H500885-01)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 04/06/2015

Method Blank ND BS 400

% Recovery 100

100

True Value QC 400 RPD 0.00 Qualifier

Sample ID: 6" (H500885-02)

Analyte

Chloride, SM4500CI-B

mg/kg

Result

3000

Result

4720

64.0

4 4 4

Analyzed By: AP

Method Blank

ND

% Recovery

True Value OC

400

RPD

0.00

Qualifier

Sample ID: 1' (H500885-03)

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

04/06/2015

Analyzed

04/06/2015

Method Blank

ND

BS

400

BS

400

% Recovery

100

True Value QC

RPD Qualifier

,

Sample ID: 2' (H500885-04)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Chloride

Result

Analyzed 04/06/2015

Method Blank ND BS 400 % Recovery

True Value QC 400 RPD 0.00

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Krene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celeg to Keene.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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		non	ış 1								FIELD CODE	4500885	ature: (UM)		Artesia, NM 88210	ress: 105 South 4th Street	Comp: (505) 393-232£ Yates Petroleum Corporation	er: Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
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7.5	LOT:	i demon	Please show BTEX results as mg/kg.				1:10 PM	1:06 PM	12:50 PM	12:41 PM	Time Sampled		e-mail:	Fax No:					FAX (505) 393-2
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#	Temperature Upon Receipt:	Custody seals on container(s) Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS Di	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? Labels on container(s)								Volatiles		Analyze For:			4-223-31E, Eddy County	3	3/1	Dolores AIL Federal Battery
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