MARTIN YATES, III

FRANK W. YATES

S.P. YATES 1914-2008



JOHN A. YATES

JOHN A. YATES JR.

CHAIRMAN OF THE BOARD

JOHN D. PERINI
EXECUTIVE VICE PRESIDENT

CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471 www.yatespetroleum.com

November 5, 2014

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

RE: Dolores AIL Federal #2 (Livingston Ridge Water Line)

30-015-26548

Section 14, T22S-R31E Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the releases that occurred at the above mentioned facility on 8/17/2013 (2RP-1859) and 2/4/2014 (2RP-2188). The releases occurred in the same area along a water line.

Yates proposes the following work for these releases.

- Excavate 4' vertically from the release area.
- Lay a 20 ml synthetic liner in the bottom of the excavated area (below a water and gas line).
- Backfill the area with clean, like soils.
- Yates will then re-seed the release disturbed area with the BLM Lesser Prairie Chicken seed mix June 2015.

Yates would start this work as soon as they have a crew available to do so.

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

Thank You,

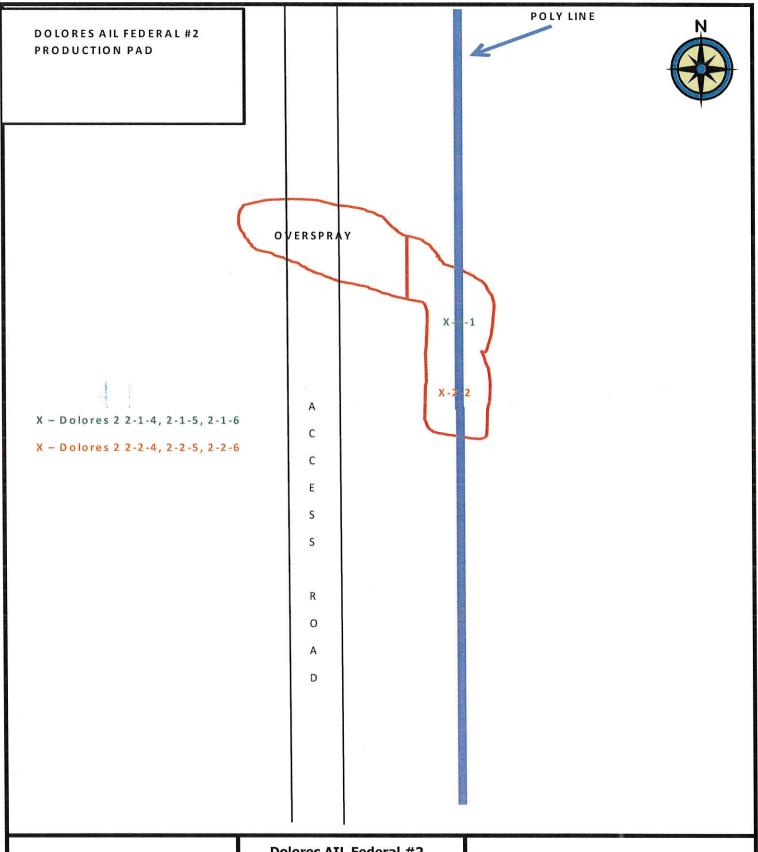
Amber Cannon

Environmental Regulatory Agent

Yates Petroleum Corporation

Enclosure(s):

- 1. Site Diagram
- 2. Analytical Reports





Dolores AIL Federal #2

30-015-26548

Section 14, T22S-R31E

Eddy County, NM

Prepared by Amber Cannon Environmental Regulatory Agent

DRAWING NOT TO SCALE

DOLORES AIL FEDERAL #2 (Livingston Ridge Water Line)

Cardinal Laboratories

Analytical Report- H302032	Sample Area	Sample Date	Sample Type	Depth	BTEX GRO DRO	GRO	DRO	TOTAL	Chlorides
Dolores 2 2-1-4	Release Area	8/22/2013	GRAB	4.	QN	ND	ND	ND	6,400
Dolores 2 2-1-5	Release Area	8/22/2013	GRAB	5.	ND	QN	QN	ND	5,840
Dolores 2 2-1-6	Release Area	8/22/2013	GRAB	6,	ND	QN	QN	ND	6,880
Dolores 2 2-2-4	Release Area	8/22/2013	GRAB	4.	ND	ND	QN	ND	8,320
Dolores 2 2-2-5	Release Area	8/22/2013	GRAB	5,	QN	ND	Q	ND	6,720
Dolores 2 2-2-6	Release Area	8/22/2013	GRAB	9.	QN	N	ND	ND	16,400

Analytical Report- H302419	Sample Area	Sample Date	Sample Type	Depth	Chlorides
Dolores 2 2-1-7	Release Area	10/2/2013	GRAB		F4,320
Dolores 2 2-1-8	Release Area	10/2/2013	GRAB	ö	5,120
Dolores 2 2-1-9	Release Area	10/2/2013	GRAB	o,	5,280
Dolores 2 2-1-10	Release Area	10/2/2013	GRAB	10,	5,280
Dolores 2 2-1-11	Release Area	10/2/2013	GRAB	11.	10,000
Dolores 2 2-2-8	Release Area	10/2/2013	GRAB	8	13,100
Dolores 2 2-2-9	Release Area	10/2/2013	GRAB	ō	10,300

Analytical Report-	Sample Area	Sample Date	Sample Type	Depth	Chlorides
Dolores 2 2-3-10	Release Area	1/14/2014	GRAB/Core Rig	10.	12,300
Dolores 2 2-3-15	Release Area	1/14/2014	GRAB/Core Rig	151	17,200
Dolores 2 2-3-20	Release Area	1/14/2014	GRAB/Core Rig	20,	11,000
Dolores 2 2-3-25	Release Area	1/14/2014	GRAB/Core Rig	.52	1,380
Dolores 2 2-3-30	Release Area	1/14/2014	GRAB/Core Rig	30.	592
Dolores 2 2-3-35	Release Area	1/14/2014	GRAB/Core Rig	32,	096

Site Ranking is ZERO (0). Depth to Ground Water >100' (approx. 150' ChevronTexaco Trend Map).

All results are ppm.Chlorides for documentation.



August 29, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DOLORES AIL FEDERAL #2 (LIVINGSTON RIDGE)

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 12:45.

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 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:

08/23/2013

Sampling Date:

08/22/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-1-4 (H302032-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	08/28/2013	ND	416	104	400	3.92	
Sample ID: DOLORES 2 2	-1-5 (H30203:	2-02)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	08/28/2013	ND	416	104	400	3.92	
Sample ID: DOLORES 2 2 Chloride, SM4500CI-B		-6 (H302032-03) mg/kg		d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	Result	Reporting Limit	Analyzed 08/28/2013	Method Blank	BS 416	% Recovery	True Value QC 400	RPD 3.92	Qualifier
	6880	16.0				60000000000000000000000000000000000000	entra esta esta esta esta esta esta esta est		Qualifier
Chloride Sample ID: DOLORES 2 2	6880	16.0 2-04)	08/28/2013			60000000000000000000000000000000000000	entra esta esta esta esta esta esta esta est		Qualifier
Chloride	6880 -2-4 (H30203	16.0 2-04)	08/28/2013	ND		60000000000000000000000000000000000000	entra esta esta esta esta esta esta esta est		Qualifier

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 claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This

Celey & Keine



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

Fax To:

(505) 748-4635

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

08/29/2013

Sampling Type:

Soil

400

3.92

Project Name:

Chloride

DOLORES AIL FEDERAL #2 (LIVINGSTO)

16.0

Sampling Condition:

Cool & Intact

Project Number:

30-015-26548

16400

Sample Received By:

416

104

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-2-5 (H302032-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	08/28/2013	ND	416	104	400	3.92	
Sample ID: DOLORES 2 2	-2-6 (H30203	2-06)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

08/28/2013

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Celey & Keine



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

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Celey D. Keens

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

NO.R.M. NO.R	Relinquished by: Relinquished by: Date Time Received by: Date Time Temperature Upon Received	Dolores 2 2-2-5 Dolores 2 2-2-6 Dolores 2 2-2-6 G' G' 8/22/2013 2:56 PM G' G' 8/22/2013 2:58 PM G' G' 8/22/2013 3:00 PM	Date Sampled Date Sampled	Project Loc: PO #: Report Format: X Standard JUM.COM TCLP: Analyze TOTAL:	Company Name rates Petroleum Corporation Project #: 30
	Laboratory Comments: Sample Containers Infact? VOCs Free of Headspace? Labels on container (S. Custody seals on container (Custody seals on container (Custody seals on container (Custody seals on color(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS Temperature Upon Receipt		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 Se Volatiles Semivolatiles X X BTEX 8021B/5030 or BTEX 8260	#: X Standard TCLP: Analyze Fo	roject#: 30-015-26548



August 29, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DOLORES AIL FEDERAL #2 (LIVINGSTON RIDGE)

Enclosed are the results of analyses for samples received by the laboratory on 08/23/13 12:45.

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 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

Fax

Received: 08/23/2013 Reported: 08/29/2013

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Project Number: 30-015-26548

Project Location: EDDY COUNTY, NM

Sampling Date:

Sampling Type:

Sample Received By:

08/22/2013 Soil

Sampling Condition:

Cool & Intact

Jodi Henson

Sample ID: DOLORES 2 2-1-4 (H302032-01)

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	< 0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	6 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
Surrogate: 1-Chlorooctane	90.7	% 65.2-14	0				3		
Surrogate: 1-Chlorooctadecane	95.9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keens



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

08/23/2013

Received: Reported:

08/29/2013

Sampling Date:

08/22/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-1-5 (H302032-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
Surrogate: 1-Chlorooctane	93.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.3	% 63.6-15	4						

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*=Accredited Analyte

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Celeg & Keine



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

Fax To:

(505) 748-4635

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

Sampling Type:

Soil

08/29/2013

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

Cool & Intact

Project Number: Project Location:

30-015-26548 EDDY COUNTY, NM Sample Received By:

Jodi Henson

Sample ID: DOLORES 2 2-1-6 (H302032-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	6 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
Surrogate: 1-Chlorooctane	95.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-2-4 (H302032-04)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 %	6 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
Surrogate: 1-Chlorooctane	88.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.6	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To:

(505) 748-4635

Received:

08/23/2013

Sampling Date:

08/22/2013

Reported:

08/29/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

Cool & Intact

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-2-5 (H302032-05)

BTEX 8021B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108	% 89.4-12	6						
TPH 8015M	mg/	'kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
Surrogate: 1-Chlorooctane	93.7	% 65.2-14	0						11
Surrogate: 1-Chlorooctadecane	97.7	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



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

08/23/2013 08/29/2013

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Project Number: 30-015-26548

Project Location: EDDY COUNTY, NM Sampling Date:

Sampling Condition:

Sampling Type:

Soil

Cool & Intact

08/22/2013

Sample Received By:

Jodi Henson

Sample ID: DOLORES 2 2-2-6 (H302032-06)

Received:

Reported:

Project Name:

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	2.16	
Toluene*	<0.050	0.050	08/28/2013	ND	2.11	105	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2013	ND	2.13	107	2.00	0.398	
Total Xylenes*	<0.150	0.150	08/28/2013	ND	6.37	106	6.00	0.201	
Total BTEX	<0.300	0.300	08/28/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6						
TPH 8015M	mg/	'kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2013	ND	198	98.8	200	1.98	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	188	94.1	200	0.826	
Surrogate: 1-Chlorooctane	93.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.2	% 63.6-15	4						

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Celey & Keine



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

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Celeg & Keine

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Co

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

Project Manager:	Amber Cannon					-		}			1						ō.	5	Project Name:	਼ੌਜ਼ ਜ਼ਿਲ੍ਹ	þ	텇	8	≧	7	de	<u>a</u>	Dolores AlL Federal #2 (Livingston Ridge)	Į.	ing	sto	7	ide	e)	
Company Name	Yates Petroleum Corporation														E			Pro	Project#:						60	[월	015	30-015-26548	£	اس		1			'
Company Address:	105 South 4th Street														J		P	ojec	Project Loc:	č						E C	ζ	Eddy County.	yg Ya						
City/State/Zip:	Artesia, NM 88210										. 1								PO#:	.#		11 2	4			_	မှု မြ	103-2020	O						
Telephone No:	575-748-4111 or 575-513-8799	799			Fax No:	lo	575-7	575-748-4131	131						0.00	Report Format:	유	흑	nat		x Standard	Sta	าda	ā			ᆛᆝ	TRRP	U		┙╵	¥ I	NPDES	٠,	,
Sampler Signature: (Unidoes ('a	2	annon		e-mail:	los	аса	acannon@yatespetroleu)jj	SY (C	ate	spe	E C	le	3	m.com	i3	- 1							2					30				3	
(lab use only):	になり						1	26			2										를 검	TCLP:	1	Analyze	az e			-					2 hrs	10	
ORDER #: 11 200						_	\dashv	- Pres	Preservation & # of Containers	light	# 0	- S	taine	- 3	口	5.		8015E)6				ig Se		\neg	8260	2230						4, 48, 72	T	-
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	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=Soil/Solid	NP=Non-Potable Specify Other		TPH: TX 1005 TX 100	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb H	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8	RCI	N.O.R.M.		Chlorides	SAR		RUSH TAT (Pre-Schedule) 24	Standard TAT	8
Dolores 2 2-1-4		4	4	8/22/2013	2:50 PM		×	<u>-</u>	-							-		-	_							_	-		-					×	
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Special Instructions:	100	L				L	H	-	H	+		\vdash					_	-								-	-	-	-	-					
opecial instructions:	Please put Chlorides on separate report. Thank you.	les o	n sep	parate report.	Thank you.														2021	O Silab	oral S F	ee Co	유민은	ies mi	nen	Laboratory Comments: Sample Containers intact VOCs Free of Headspace	·> '>'	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?		<i>A</i>	, Ø	8	zz		
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October 10, 2013

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DOLORES AIL FEDERAL #2 (LIVINGSTON RIDGE)

Enclosed are the results of analyses for samples received by the laboratory on 10/07/13 13:17.

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.

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:

10/07/2013

Sampling Date:

10/02/2013

Reported:

10/10/2013

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

** (See Notes)

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-1-7 (H302419-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	4320	16.0	10/08/2013	ND	416	104	400	0.00	
Sample ID: DOLORES 2 2	-1-8 (H30241	9-02)							
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	10/08/2013	ND	416	104	400	0.00	
Sample ID: DOLORES 2 2- Chloride, SM4500CI-B	-1-9 (H30241 mg,	1-01	Analyze	d By: AP					
		1-01	Analyze Analyzed	d By: AP Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg	/kg			BS 416	% Recovery	True Value QC 400	RPD 0,00	Qualifier
Chloride, SM4500CI-B Analyte Chloride	Result	Reporting Limit	Analyzed	Method Blank		1.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6	A PROCESSOR STANDARD NAME OF BUILDING		Qualifier
Analyte Chloride Chloride Sample ID: DOLORES 2 2-	Result	Reporting Limit 16.0 19-04)	Analyzed 10/08/2013	Method Blank		1.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6	A PROCESSOR STANDARD NAME OF BUILDING		Qualifier
Chloride, SM4500CI-B Analyte	mg, Result 5280 -1-10 (H3024	Reporting Limit 16.0 19-04)	Analyzed 10/08/2013	Method Blank ND		1.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6	A PROCESSOR STANDARD NAME OF BUILDING		Qualifier Qualifier Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To:

(505) 748-4635

Received:

10/07/2013

Sampling Date:

10/02/2013

Reported:

10/10/2013

Sampling Type:

BS

416

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

** (See Notes)

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-1-11 (H302419-05)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

ma/ke

Analyzed By: AP

Analyte

Result

Reporting Limit 16.0 Analyzed 10/09/2013 Method Blank ND % Recovery

104

True Value QC 400 RPD

0.00

RPD

0.00

Sample ID: DOLORES 2 2-2-8 (H302419-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result **13100**

Reporting Limit 16.0

Reporting Limit

Analyzed 10/09/2013

Analyzed

Method Blank ND

Method Blank

ND

BS 416 % Recovery

True Value QC 400 Qualifier

Quui

Oualifier

Sample ID: DOLORES 2 2-2-9 (H302419-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte Result 10300

16.0 10/09/2013

3

416

BS

% Recovery 104

True Value QC 400 RPD 0.00

PD Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey & 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

*=Accredited Analyte

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Celey D. Keene

Telephone No: City/State/Zip:

575-748-4111 or 575-513-8799

Fax No:

575-748-4131

Artesia, NM 88210

Company Address: 105 South 4th Street

Company Name Project Manager:

Yates Petroleum Corporation

Amber Cannon

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

PO #:	Project Loc:	Project #:
103-2020	Eddy County	30-015-26548

PO #:	ct Loc:	
103-2020	Eddy County	

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Project #:	Project Name:	
30-015-26548	Project Name: Dolores AlL Federal #2 (Livingston Ridge)	
Pa	ge 5	of 5

Relinquished by:	Relinquished by:	Refinquishe MM	Special								L	2	S	t)	W	4	-	LAB# (lab use only)	ORDER	(lab use only)	2
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January 23, 2014

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

RE: DOLORES AIL FEDERAL #2 (LIVINGSTON RIDGE)

Enclosed are the results of analyses for samples received by the laboratory on 01/20/14 12:15.

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

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:

01/20/2014

Sampling Date:

01/17/2014

Reported:

01/23/2014

Sampling Type:

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

** (See Notes)

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-3-10 (H400170-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

12300

Analyzed 01/23/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

0.00

0.00

Qualifier

Sample ID: DOLORES 2 2-3-15 (H400170-02)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AP

BS

% Recovery

RPD

Chloride

Chloride

Chloride

Chloride

Result 17200

11000

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 01/23/2014 Method Blank ND

416

True Value QC 400

Qualifier

Sample ID: DOLORES 2 2-3-20 (H400170-03)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Result

Reporting Limit

16.0

Analyzed 01/23/2014 Method Blank BS

416

% Recovery 104

104

True Value QC

400

RPD

Qualifier

Sample ID: DOLORES 2 2-3-25 (H400170-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte

Result 1380 Reporting Limit 16.0

Analyzed 01/23/2014 Method Blank ND

ND

BS

416

% Recovery 104

True Value QC 400

RPD 0.00

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keene



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

Fax To:

(505) 748-4635

Received:

01/20/2014

Sampling Date:

01/17/2014

Reported:

01/23/2014

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

** (See Notes)

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 2-3-30 (H400170-05)

Chloride, SM4500Cl-	-B	CI	00	450	SM	oride,	Chl
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mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit Analyzed

Method Blank

BS 416 % Recovery 104

True Value QC

RPD

0.00

Chloride

592

16.0

01/23/2014

ND

400

Qualifier

Sample ID: DOLORES 2 2-3-35 (H400170-06)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	01/23/2014	ND	416	104	400	0.00	

Cardinal Laboratories

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Celeg D. Kreins Celey D. Keene, Lab Director/Quality Manager

Page 3 of 5



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

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Celey D. Keine

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Relinquished by:	Relinquis	Relinquished by:	oper cial	Special								2	V	C	W	7	-	LAB# (lab use only)	ORDER #:	(lab use only)							
ned by:		ber Cannon	openial insurations.	noting:								Dolores 2 2-3-35	Dolores 2 2-3-30	Dolores 2 2-3-25	Dolores 2 2-3-20	Dolores 2 2-3-15	Dolores 2 2-3-10	FIEL	によりりこう	_		Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:
	D		enter to								6 6 8 8 8							FIELD CODE	è	ያ)	(/ Umber	575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	Amber Cannon
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