MARTIN YATES, III 1912-1985

FRANK W. YATES 1936-1986

> S.P. YATES 1914-2008



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

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

CHAIRMAN EMERITUS JOHN A. YATES JR.

JOHN A. YATES

CHAIRMAN OF THE BOARD PRESIDENT

JOHN D. PERINI EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

July 30, 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 release that occurred at the above mentioned facility on 8/12/2013 (2RP-1857). The release was 40 barrels of produced water and 100 barrels of crude oil with 10 barrels of produced water and 15 barrels of crude oil recovered.

To the west of the access road, there was some overspray from the release. BLM requested that this area be sprayed with micro-blaze after the release occurred. Yates visited the area on 7/14/2014 and vegetation in the overspray area that was treated with micro-blaze has recovered. The access road was also scraped. No further work will be done in either of these areas.

To the east of the access road, Yates initially excavated soils that were visibly impacted, and impacted soils were taken an approved NMOCD facility. Initial TPH/BTEX and Chloride delineation samples were then taken of the release area on 8/22/2013. The release area was split in half and two sample points were taken. They were sent to a NMOCD approved facility and analytical reports are attached for your review. Analytical reports showed that TPH/BTEX were both non-detectable. There were elevated levels of chlorides found at 5' and 6' below ground level for sample point #1 and as a result of these elevated chloride levels, Yates completed further delineation of sample point #1 on 10/2/2013.

On 10/2/2013 Yates sampled from 7'-11' and analytical reports still showed elevated levels of chlorides. Analytical reports are attached for your review. Yates could not sample past 11' due to a hard layer. We tried to get through this layer with the excavator and attempts failed.

As a result, Yates scheduled a core rig for further vertical delineation of the sample point. This sampling was conducted on 1/17/2014 and Yates found that chloride levels decreased significantly at 15'. Analytical reports are attached for your review.

Yates proposes the following work to finish the clean-up of this release.

- Excavate an additional 4' vertically from the release area. The proposed excavation area will be approximately 130' long and 40' feet wide.
- Backfill the area with 2' of compacted caliche and 3' of clean, like soils.
- Yates will then re-seed the release disturbed area with the BLM Lesser Prairie Chicken seed mix.

Yates would like to start this work no later than Wednesday, 8/6/2014 or as soon as we are done with the excavation and backfill work that will be starting at the Martha AIK Federal #6 tin horn area on 8/4/2014.

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

Thank You,

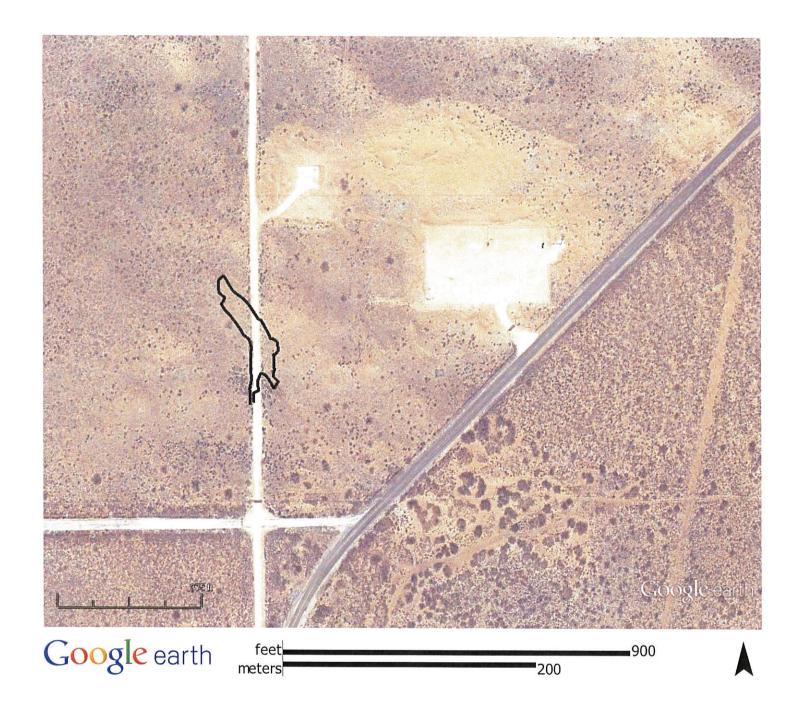
Amber Cannon

Environmental Regulatory Agent Yates Petroleum Corporation

Enclosure(s):

- 1. Site Diagram
- 2. Analytical Reports

cc: Jim Amos, BLM - Carlsbad District Office



DOLORES AIL FEDERAL #2 PRODUCTION PAD POLY LINE X - Dolores 2 1-1-4, 1-1-5, 1-1-6, 1-1-7, 1-1-8, 1-1-9, Α 1-1-9, 1-1-10, 1-1-11, X - Dolores 2 1-2-2, 1-2-3, 1-2-4 X - Dolores 2 1-3-15, 1-3-20, 1-3-25 Ε S S OVERSPRAY R 0 X-1-1 Α D X-1-3 X-1-2



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) 8/12/2013 Release

Cardinal Laboratories

Analytical Report- H302031	Sample Area	Sample Date	Sample Type	Depth (BSL)	BTEX	GRO	DRO	BTEX GRO DRO TOTAL Chlorides	Chlorides
Dolores 2 1-1-4	Release Area	8/22/2013	GRAB	4.	ND	ND ND	ND	ND	880
Dolores 2 1-1-5	Release Area	8/22/2013	GRAB	5,	ND	ND	ND	ND	9,040
Dolores 2 1-1-6	Release Area	8/22/2013	GRAB	.9	QN	QN	ND	ND	8,240
Dolores 2 1-2-2	Release Area	8/22/2013	GRAB	2,	QN	QN	QN	ND	16
Dolores 2 1-2-3	Release Area	8/22/2013	GRAB	3,	QN	ND	QN	ND	16
Dolores 2 1-2-4	Release Area	8/22/2013	GRAB	4.	ND	ND	ND	ND	16

Analytical Report- H302420	Sample Area	Sample Date	Sample Type	Depth (BSL) Chlorides	Chlorides
Dolores 2 1-1-7	Release Area	10/2/2013	GRAB	7.	8,930
Dolores 2 1-1-8	Release Area	10/2/2013	GRAB	.8	7,460
Dolores 2 1-1-9	Release Area	10/2/2013	GRAB	9,	9,600
Dolores 2 1-1-10	Release Area	10/2/2013	GRAB	10,	23,200
Dolores 2 1-1-11	Release Area	10/2/2013	GRAB	11.	14,300

Analytical Report- H400169	Sample Area	Sample Date	Sample Type	Depth (BSL)	Chlorides
Dolores 2 1-3-15	Release Area	1/17/2014	Grab/Core Rig	15'	624
Dolores 2 1-3-20	Release Area	1/17/2014	Grab/Core Rig	20,	ND
Dolores 2 1-3-25	Release Area	1/17/2014	Grab/Core Rig	25°	624

Site Ranking is ZERO (0). Depth to Ground Water >100' (approx. 448' NMOSE).

All results are ppm.Chlorides for documentation.

Released: 40 B/PW, 100 B/O; Recovered: 10 B/PW, 15 B/O. Release Date: 8/12/13



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/ga/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 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 1-1-4 (H302031-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/28/2013	ND	432	108	400	0.00	
Sample ID: DOLORES 2 1	-1-5 (H30203:	1-02)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
		16.0	00/20/2012	ND	422	108	400	0.00	
Chloride	9040	16.0	08/28/2013	ND	432	106	400	0.00	
Chloride Sample ID: DOLORES 2 1 [.] Chloride, SM4500CI-B		1-03)		d By: DW	432	108	400	0.00	
Sample ID: DOLORES 2 1	-1-6 (H30203:	1-03)			432 BS	% Recovery	True Value OC	RPD	Oualifier
Sample ID: DOLORES 2 1- Chloride, SM4500Cl-B	-1-6 (H30203: mg,	1-03) /kg	Analyzed	d By: DW	3000000	500500	Adjusts		Qualifier
Sample ID: DOLORES 2 1- Chloride, SM4500Cl-B	-1-6 (H30203: mg, Result 8240	1-03) /kg Reporting Limit 16.0	Analyze d Analyzed	d By: DW Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: DOLORES 2 1- Chloride, SM4500Cl-B Analyte Chloride	-1-6 (H30203: mg, Result 8240	1-03) /kg Reporting Limit 16.0	Analyzed Analyzed 08/28/2013	d By: DW Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: DOLORES 2 1- Chloride, SM4500CI-B Analyte Chloride Sample ID: DOLORES 2 1-	-1-6 (H30203: mg, Result 8240 -2-2 (H30203:	1-03) /kg Reporting Limit 16.0	Analyzed Analyzed 08/28/2013	d By: DW Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifier 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 & 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)

Reporting Limit

16.0

Reporting Limit

Sampling Condition:

Cool & Intact

Project Number:

30-015-26548

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 1-2-3 (H302031-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: DW

Analyte

Chloride

Result 16.0

Analyzed 08/28/2013

Method Blank

BS % Recovery True Value QC 400

Qualifier

RPD

3.92

Sample ID: DOLORES 2 1-2-4 (H302031-06)

Chloride, SM4500CI-B

Analyte

Analyzed By: DW

Analyzed Method Blank

BS

% Recovery

104

True Value QC

Qualifier

Chloride

Result 16.0

16.0

08/28/2013

ND

ND

416

416

104

400

RPD 3.92

Cardinal Laboratories

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Celey D. Keine 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



Telephone No: City/State/Zip:

Report Format: X Standard PO#:

TRRP 103-2020

Artesia, NM 88210

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

. 101 East Mariano, Hoods, NM 86240	10, H000S, NW 80240	(303) 383-2320 FAX (803) 383-247 0		
Project Manager: Amber Cannon	Amber Cannon		Project Name:	Project Name: Dolores AlL Federal #2 (Livingston Ridge)
Company Name	Company Name Yates Petroleum Corporation		Project#:_	30-015-26548
Company Address: 105 South 4th Street	105 South 4th Street		Project Loc:	Eddy County

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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/ga/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 (505) 748-4635 Fax To:

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 1-1-4 (H302031-01)

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	112 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	182	90.8	200	1.55	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	168	83.8	200	0.0292	
Surrogate: 1-Chlorooctane	84.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	88.5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Kune



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 1-1-5 (H302031-02)

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	% 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	182	90.8	200	1.55	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	168	83.8	200	0.0292	
Surrogate: 1-Chlorooctane	97.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104	% 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 incurred by client, its subclidaries, 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 PETROLEUM CORPORATION AMBER CANNON 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

•

08/23/2013

Reported: 08/29/2013
Project Name: DOLORES AIL FEDERAL #2 (LIVINGSTO)

Project Number: 30-015-26548
Project Location: EDDY COUNTY, NM

22/2012

Sampling Type: Soil

Sampling Date:

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

08/22/2013

Sample ID: DOLORES 2 1-1-6 (H302031-03)

Received:

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	107 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	182	90.8	200	1.55	
DRO >C10-C28	<10.0	10.0	08/28/2013	ND	168	83.8	200	0.0292	
Surrogate: 1-Chlorooctane	90.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.9	% 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 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 D. 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

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

LDD1 COUNTT, NI

Sample ID: DOLORES 2 1-2-2 (H302031-04)

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	107 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	89.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.8	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kuna



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 1-2-3 (H302031-05)

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	110 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	90.0	% 65.2-14	0						3
Surrogate: 1-Chlorooctadecane	95.5	% 63.6-15	4						

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Celey D. 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

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 1-2-4 (H302031-06)

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	110 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	93.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	98.0	% 63.6-15	4						

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Celey D. Kune



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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Celeg & Keine

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

ORDER # 190203 (lab use only) Special Instructions: Relinquished by: relinquished by: elinquished by: .AB # (lab use only) mudel(Dolores 2 1-2-2 Dolores 2 1-1-6 Dolores 2 1-1-5 Sampler Signature: Telephone No: City/State/Zip: Company Address: Company Name Dolores 2 1-2-4 Dolores 2 1-2-3 Dolores 2 1-1-4 Project Manager: FIELD CODE 105 South 4th Street Yates Petroleum Corporation Amber Cannon 575-748-4111 or 575-513-8799 Artesia, NM 88210 imber Please put Chlorides on separate report. Thank you. [23][2 Date Date ammen **Beginning Depth** oj এ 4 4 ယ္ N Time Time **Ending Depth** Ň oj Q 4 4 ယ္ခ Received by ELOT: 8/22/2013 8/22/2013 8/22/2013 8/22/2013 8/22/2013 8/22/2013 Date Sampled 2:40 PM 2:36 PM 2:38 PM 2:32 PM 2:34 PM 2:30 PM Time Sampled Fax No: e-mail: Field Filtered Total #. of Containers acannon@yatespetroleum.com 575-748-4131 × × × × HNO₃ HCI H2SO4 NaOH Na₂S₂O₃ None Other (Specify) Date DW=Drinking Water SL=Sludge Report Format: S S S S ഗ ഗ GW = Groundwater S=Soll/Solld Project Name: NP=Non-Potable Specify Other Project Loc: Project #: TPH: 418.1 8015M 8015 me × × $\times |\times$ × × TX 1006 TPH: TX 1005 PO#: VOCs Free of Headspace?
Labels of Container(s)
Custody seals on container(s)
Custody seals on cooler(s)
Custody seals on container(s)
Custody seals on container(s Cations (Ca, Mg, Na, K) Laboratory Comments:
Sample Containers Intact? Temperature Upon Receipt x Standard Anions (CI, SO4, Alkalinity) Dolores AlL Federal #2 (Livingston Ridge) SAR/ESP/CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semivolatiles 30-015-26548 **Eddy County** TRRP BTEX 8021B/5030 or BTEX 8260 × × × × 103-2020 × × RCI N.O.R.M. Chlorides × × × × × SAR NPDES RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT ×



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/ga/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 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 1-1-7 (H302420-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP										
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier					
Chloride	8930	16.0	10/09/2013	ND	416	104	400	0.00						
Sample ID: DOLORES 2 1-1-8 (H302420-02) Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD														
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP										
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier					
Chloride	7460	16.0	10/09/2013	ND	416	104	400	0.00						
Sample ID: DOLORES 2 1-1-9 (H302420-03)														
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP										
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier					
Chloride	9600	16.0	10/09/2013	ND	416	104	400	0.00						
Sample ID: DOLORES 2 1-	1-10 (H3024)	20-04)												
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP										
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier					
Chloride	23200	16.0	10/09/2013	ND	416	104	400	0.00						

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:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Sampling Condition:

** (See Notes)

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

Jodi Henson

Sample ID: DOLORES 2 1-1-11 (H302420-05)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte

Result

Reporting Limit

Analyzed

Method Blank

BS

% Recovery

True Value QC

RPD

0.00

Qualifier

Chloride

14300

16.0

10/09/2013

ND

416

104

400

Cardinal Laboratories

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Celey D. 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. Keene

Telephone No:

575-748-4111 or 575-513-8799

Fax No:

575-748-4131

Report Format: X Standard PO #:

TRRP 103-2020

NPDES

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

1		(200) 200 5050 1 50 (200) 200-5410		of
Project Manager: Amber Cannon	Amber Cannon		Project Name:	Project Name: Dolores All Federal #2 (Livingston Ridge) on
Company Name	Vates Petroleum Comoration			Solding to cooler to the coole
,			rioject#:	30-013-20348
Company Address: 105 South 4th Street	105 South 4th Street		Project Loc:	Eddy County
City/State/Zip:	Artesia, NM 88210		PO#: -	103-2020
				.00

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nquis	nquis	3		Cia									U	4	W	1	+	LAB # (lab use only)	DE I) use	
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Time	Time	lime											===	10'	Q	ω	7	Ending Depth	1			
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	Ha) See	ee ഉ															SAR / ESP / CEC	7	TOTAL	Ó	ı
e lerk	nd [onto	of late of															Metals: As Ag Ba Cd Cr Pb Hg		T		>
pon	Clie	on c	ners leac						П							17		Volatiles	十	1	- laiyze	
문	Sample Hand Delivered by Sampler/Client Rep	Labels on container(s) Custody seals on container(s) Gustody seals on content(s)	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?															Semivolatiles	1	T	100	70
emperature Upon Receipt:	9 0	ne in	ce?												\neg			BTEX 8021B/5030 or BTEX 82	60	1	- 2	3
† <u>-</u>	, 0	(s)			Г		\neg	\neg		\neg		7,0	\neg	16	\neg	\neg		RCI			1	1
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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/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:

01/20/2014

Sampling Date:

01/17/2014

Reported:

01/23/2014

Sampling Type:

Soil

Project Name:

DOLORES AIL FEDERAL #2 (LIVINGSTO)

Reporting Limit

16.0

Reporting Limit

16.0

Sampling Condition:

** (See Notes)

Project Number:

30-015-26548

Sample Received By:

BS

416

BS

416

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: DOLORES 2 1-3-15 (H400169-01) Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Chloride

Chloride

Result

624

Result

<16.0

Analyzed

01/23/2014

Analyzed

01/23/2014

Method Blank ND

104

% Recovery

104

True Value QC 400

RPD 0.00 Qualifier

Sample ID: DOLORES 2 1-3-20 (H400169-02)

Chloride, SM4500CI-B

Analyte

Analyzed By: AP

Method Blank

ND

% Recovery

True Value QC

400

RPD

0.00

Qualifier

Sample ID: DOLORES 2 1-3-25 (H400169-03)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Reporting Limit Result Chloride 624 16.0

Analyzed 01/23/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages, 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 & Keens

Celey D. Keene, Lab Director/Quality Manager

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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

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Relinquished by:	Relinquished by:	Relinguished by:	Special												W	7		LAB # (lab use only)	(tab use only) ORDER #:						
hed by:	shed by:	ished by:	Special Instructions:												Dolores 2 1-3-25	Dolores 2 1-3-20	Dolores 2 1-3-15		** H400169	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address: 105 South 4th Street	Company Name	Project Manager:
		> 	. 6					ψ	5							2		FIELD CODE	169 -	CUNUDA	575-748-4111 or 575-513-8799	Artesia, NM 88210	105 South 4th S	Yates Petroleum Corporation	Amber Cannon
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