MARTIN YATES, III

FRANK W. YATES

S.P. YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

JOHN A. YATES

JOHN A. YATES JR.
CHAIRMAN OF THE BOARD
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EXECUTIVE VICE PRESIDENT
CHIEF FINANCIAL OFFICER

JAMES S. BROWN CHIEF OPERATING OFFICER

October 21, 2014

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

RE: Dagger ZW Battery Pipeline

Dear Mr. Bratcher,

Yates Petroleum Corporation would like to submit the following for your review regarding the two releases (2RP-2257 and 2RP-2258) that occurred on the Dagger ZW Battery Pipeline, Section 31, T19S, R25E, on private land owned by Kevin Wilbanks.

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

Yates Petroleum Corporation

Dagger ZW Battery Pipeline

Section 31, T19S, R25E

Eddy County, New Mexico

October 21, 2014

Location

The release occurred in Eddy County Section 31, T19S-R25E. The release is located approximately 15 miles south of Artesia, New Mexico and approximately 6 miles west of Highway 285. The release area can be accessed between Rock Daisy and Rocking R Red Road off of Crossbuck Road.

Surface and Ground Water

Area surface geology is Cenozoic. The ChevronTexaco depth to groundwater map for Eddy County shows groundwater to be at a depth of approximately 228' 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'

Background

The release was discovered on 3/29/2014 by the landowner Kevin Wilbanks. The amounts of produced water and crude oil released are unknown and approximately 15 barrels of produced water was recovered by a vacuum truck. The release was from a 6" fiberglass water line that was thought to have been abandoned. Yates Environmental staff visited the location on 3/29/2014 and took pictures of the release site. The ground within the release area was highly saturated. On 3/31/2014 Yates had a crew start excavating soils from the impacted area. Due to the high saturation, Yates excavated approximately 4' of soils and hauled them to a NMOCD approved disposal facility. Once the initial 4' of soils were excavated, Yates conducted initial vertical delineation for TPH, BTEX, and Chlorides.

On 4/2/2014 a second release occurred from the same line, within the release area when Yates Production department started turning wells back on that they had shut-in when the initial release was discovered. Yates Production department determined where the produced water was entering this line, and they capped the line off.

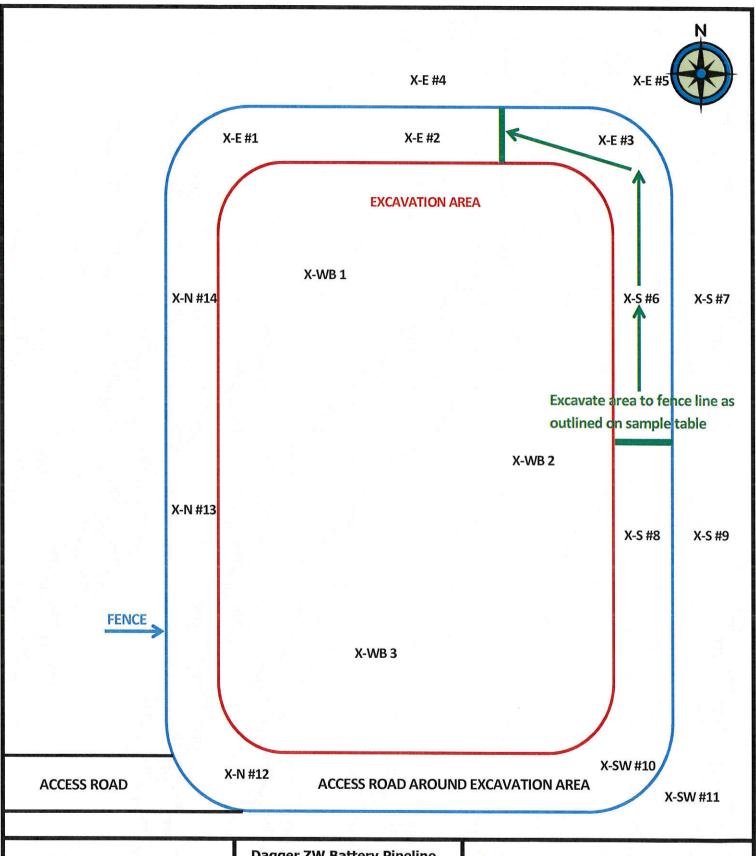
Yates has already started excavating the bottom of the hole to a depth of 7'. Yates has taken samples on the inside and outside of the fence put up around the release area, at the request of the landowner, to check for horizontal migration of chlorides. Analytical results are summarized on a table attached to this work plan along with the analytical reports from the laboratory. Yates has also included a site diagram (please note that it is not to scale).

Yates Scope of Work Proposal

Yates proposes to do the remaining work to accomplish remediation of these two releases.

- Excavate release areas WB 1, WB 2, and WB 3 to a depth of 7' (as mentioned above, excavation efforts had already begun prior to the heavy rain in September and crews have slowly resumed excavation work as the soil has dried). After the depth is taken down to 7' Yates is proposing the use of one of the two options listed below for backfill.
 - Option 1: Backfill with 4' of packed caliche (serving as a clay liner) and 3' of topsoil (bottom 2' compacted and top 1' left loose for purposes of re-seeding and establishing vegetation in the area).
 - Option 2: Install a 20 mL synthetic liner in the bottom of the hole at 7'. Place 6" of topsoil on top of liner to act as a cushion for the liner. Place 3.5' of packed caliche and top the backfill with 3' of topsoil (bottom 2' compacted and top 1' left loose for purposes of re-seeding and establishing vegetation in the area).
- The two stockpiles (north and south) that were sampled on August 11, 2014 have been hauled off and disposed of at Lea Land.
- The following sections are proposed as no further excavation or sampling.
 - o E #1, E #2, E #4, E #5, S #7, S #9, SW #11, N #12, N #13, N #14
 - Chlorides are at acceptable levels.
 - o S#8
 - There is an increase in chloride concentration at 9' below the surface level in this section. We propose to leave these chlorides in place based off analytical data showing that at the same depth in S #9 chlorides are at acceptable levels. Yates believes that the chlorides found at 9' in S #8 did not migrate further out since they were not found in S #9. Once vegetation is re-established, we also believe that chlorides left in place will not cause any future problems/issues.
 - o SW #10
 - There is an increase in the chloride concentration at 7' and 9' below the surface level. We propose to leave these chlorides in place based off analytical data showing that at the same depths in SW #11 chlorides are at acceptable levels. Yates believes that the chlorides found at 7' and 9' in SW #10 did not migrate further out since they were not found in SW #11. Once vegetation is re-established, we also believe that chlorides left in place will not cause any future problems/issues.

- The following work is proposed for section E #3
 - Remove and save 1'-7' of soils, all at acceptable chloride levels for re-use during the backfill process. Leave the 8'-10' chlorides in place, but extend the synthetic liner or caliche liner into this area (as described for section WB1, WB2, and WB3), restricting the vertical and horizontal migration of chlorides being left in place.
- The following work is proposed for section S #6.
 - Remove and save 1'-5' of soils, all at acceptable chloride levels for re-use during the backfill process. Excavate and haul off to Lea Land 6'-7'. Leave the 8'-9' chlorides in place, but extend the synthetic liner or caliche liner into this area (as described for section WB1, WB2, and WB3), restricting the vertical and horizontal migration of chlorides left in place.





Dagger ZW Battery Pipeline (Wilbanks)

Section 31, T19S-R25E

Eddy County, NM

Prepared by Amber Cannon Environmental Regulatory Agent

Drawing not to Scale

Cardinal Laboratories

Cardinal Laboratories	Ories									Г
	Analytical	Sample Area	Sample Date	Sample Type	Depth	BTEX	GROL	DRO TO	TOTAL Chlorides	_
WB 1-2' (5' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	2.	ND	ND		ND 9,700	
WB 1-4' (7' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	4'	N N	2	-		
WB 1-6' (9' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	.9	QN				impacted soils are hauled to disposal, Yates has two backfill
WB 1-8' (11' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	8,	ND ND	ND			П
WB 1-10' (13' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	10'	Q.	N Q	N ON	ND 6,700	
WB 1-12' (15' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	12'	1	1	1	- 4,700	-
WB 1-14' (17' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	14'	1	ı	ı	- 4,900	T
WB 1-16' (19' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	16'	1	1	1	- 4,200	Ī
WB 1-18' (21' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	18'	ı	1	1	- 2,380	
WB 1-20' (23' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	20'	ı	ı	r	- 3,840	
WB 1-24' (27' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	24'	1	1	1	- 256	compacted and top 1' left loose for re-vegetating purposes).
WB 1-25' (28' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	25'	1	1	1	- 672	T
WB 1-26' (29' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	26'	ı	-	•	- 1,880	**Potential Cross Contamination (hole kept caving)**
	SALES AND SALES	STATE OF THE PARTY								
WB 2-2' (5' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	2.	ΩN	QN	ND N	ND 12,600	PROPOSE SAME AS SECTION WB1.
WB 2-4' (7' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	4.	ND	ND	ND N		
WB 2-6' (9' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	.9	ND	ND		ND 8,600	
WB 2-8' (11' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	-80	QN	QN		ND 7,100	
WB 2-10' (13' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	10,	N N	QN	ND N	ND 5,300	
WB 2-12' (15' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	12'		-	1	- 1,200	
WB 2-14' (17' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	14'	ı	1	-	- 1,070	
WB 2-16' (19' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	16'	ì	1	1	- 576	
WB 2-18' (21' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	18,	1	1	- / -	- : 1/ 608	
WB 2-20' (23' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	20,	ı	1	1	- 464	
WB 3-2' (5' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	2'	ND	QN	Н	ND 8,200	PROPOSE SAME AS SECTION WB1.
WB 3-4' (7' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	4.	ND	QN		ND 8,240	
WB 3-6' (9' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	.9	QN	\dashv			
WB 3-8' (11' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	.8	2	-			
WB 3-10' (13' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	10,	N N	\dashv	_	-	
WB 3-12' (15' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	12'	9	\dashv	\dashv	+	
WB 3-14' (17' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	14.	2	-			
WB 3-16' (19' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	16'	N N	-	_		
WB 3-18' (21' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	18'	ND	- Q		ND 5,120	
WB 3-20' (23' BSL)	H401271	Release Area	4/28/2014	Grab/Excavator	20,	QN	_ QN	N QN	ND 2,440	
WB 3-24' (27' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	24'	1		1	- 1,100	
WB 3-25' (28' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	25'	1		1	- 320	
WB 3-26' (29' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	26'	-	·	1	- 384	
WB 3-27' (30' BSL)	H401921	Release Area	6/24/2014	Grab/Excavator	27'	1	ı	ı	- 640	
ないとなるという。				SHEET WATER						
Stock Pile North	H402497	Stock Pile	8/11/2014	Composite/Shovel			,	+	+	Т
Stock Pile South	H402497	Stock Pile	8/11/2014	Composite/Shovel	1		1		- 9,200	This has already been hauled off and disposed of at Lea Land.

E #1-7' H402270 E #1-8' H402270 E #1-9' H402270 E #2-7' H402270 E #2-8' H402270 E #2-8' H402270		7	or ordingo	odf. odpo					11	_
	ıt.				1					
		Release Area		Grab/Excavator		,		<u>'</u>	112	No further excavation of sampling needed, leave as is.
		Release Area	7/23/2014	Grab/Excavator	-∞	1		1		
		Release Area	7/23/2014	Grab/Excavator	.6	1	•	1	96	
		THE REAL PROPERTY.	STATE STATE OF							
	2270	Release Area	7/23/2014	Grab/Excavator	7.	1		-		No further excavation or sampling needed, leave as is.
	2270	Release Area	7/23/2014	Grab/Excavator	-∞	1	,	'	208	
The state of	2270	Release Area	7/23/2014	Grab/Excavator	6	1	1	1	432	
			THE REAL PROPERTY.							
E #3-1 H402420	2420	Release Area	7/23/2014	Grab/Excavator	1-	,	1	1	64	Remove and save 1'-7' of soils, all at acceptable chloride levels.
	2420	Release Area	7/23/2014	Grab/Excavator	2'			-	32	(We will re-use these soils once the backfill process starts). Leave
E #3-3' H402420	2420	Release Area	7/23/2014	Grab/Excavator	ب	1			QN	8'-10' in place, but extend the synthetic liner or caliche liner into
	2420	Release Area	7/23/2014	Grab/Excavator	-4	,	,	1	64	this area (as described for Section MB1) over these chlorides left
E #3-5' H402420	2420	Release Area	7/23/2014	Grab/Excavator	5.	ı			128	in place.
E #3-6' H402420	2420	Release Area	7/23/2014	Grab/Excavator	.9	1	1	1		
E #3-7' H402270	2270	Release Area	7/23/2014	Grab/Excavator	7:	,		1	464	
E #3-8' H402270	2270	Release Area	7/23/2014	Grab/Excavator	∞	ı		-	_	
	2270	Release Area	7/23/2014	Grab/Excavator	9,	-		-	3,760	
E #3-10' H402420	2420	Release Area	7/23/2014	Grab/Excavator	10,	1		1	5,440	
E #4-1' H402497	2497	Release Area	8/11/2014	Grab/Backhoe	1	,		1		No further excavation or sampling needed, leave as is.
E #4-2' H402497	2497	Release Area	8/11/2014	Grab/Backhoe	2'	1		1	32	
E #4-3' H40249	2497	Release Area	8/11/2014	Grab/Backhoe	3.	ì		1		
	2497	Release Area	8/11/2014	Grab/Backhoe	4.	-		1		
	2497	Release Area	8/11/2014	Grab/Backhoe	5.	1		1	48	
E #4-6' H402497	2497	Release Area	8/11/2014	Grab/Backhoe	.9	ı		1		
E #4-7' H402497	2497	Release Area	8/11/2014	Grab/Backhoe	7.	ĭ	1	1	64	
		Release Area	8/11/2014	Grab/Backhoe	.8	1	,	1		
E #4-9' H402497		Release Area	8/11/2014	Grab/Backhoe	9,	1		1	96	
E #5-1' H402497		Release Area	8/11/2014	Grab/Backhoe	1.	-		-	16	No further excavation or sampling needed, leave as is.
		Release Area	8/11/2014	Grab/Backhoe	2,	1		1	QN	
E #5-3' H40249	765	Release Area	8/11/2014	Grab/Backhoe	3,				80	
E #5-4' H402497	7497	Release Area	8/11/2014	Grab/Backhoe	4,	-	r	1		
	2497	Release Area	8/11/2014	Grab/Backhoe	5'	1	1	1	16	
E #5-6' H402497	7497	Release Area	8/11/2014	Grab/Backhoe	.9	1	•	1		
E #5-7' H402497		Release Area	8/11/2014	Grab/Backhoe	7.	ı		1	32	
E #5-8' H402497		Release Area	8/11/2014	Grab/Backhoe	.8	1	1	1		
E #5-9' H402497		Release Area	8/11/2014	Grab/Backhoe	6	ñ	1	1	48	

Cardinal Laboratories

Cardinal Laboratories

	No further excavation or sampling needed, leave as is.					No further excavation or sampling needed, leave as is.					No further excavation or sampling needed, leave as is.				
Depth BTEX GRO DRO TOTAL Chlorides	QN	32	16	64	ND	32	112	112	272	256	112	224	96	240	144
TOTAL		1	r	1		1	1	1	1	ı	r	1	1	r	1
DRO	1	1	ı	1	1	1	1	1	1	ı	1	1	1	1	1
GRO	-	1	ı	1	1	1	1	1	1		-	,	-	ı	1
BTEX		1	Ľ	ı	1	-	-	-	-	1	-	-	-	-	1
Depth		-	-	1	-	1	-	77)	•	_	-	-	1	-	1
Sample Type	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe	Grab/Backhoe
Sample Date	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014	9/2/2014
Sample Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area	Release Area
Analytical	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735	H402735
Ā	N #12-1	N #12-3'	N #12-5'	N #12-7'	N #12-9'	N #13-1'	N #13-3'	N #13-5'	N #13-7	N #13-9	N #14-1'	N #14-3'	N #14-5'	N #14-7	N #14-9'

Site Ranking is ZERO (0). Depth to Ground Water >100' (228' ChevronTexaco Trend Map)
All results are ppm.Chlorides for documentation.
Released: Unknown B/PW, Unknown B/O; Recovered: 15 B/PW, 0 B/O. Release Date: 3/29/2014. 2RP-2257
Released: Unknown B/PW, Unknown B/O; Recovered: 880 B/PW, 30 B/O. Release Date: 4/2/2014. 2RP-2258



May 05, 2014

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

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 04/29/14 10:30.

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.

Celeg & 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:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Reporting Limit

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 1 - 2' (H401271-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

RPD

0.00

Analyte Chloride

Result 9700

16.0 05/01/2014 Method Blank ND

BS 400

100

% Recovery

True Value QC 400

Qualifier

Sample ID: WB 1 - 4' (H401271-02)

Chloride, SM4500CI-B

Analyte

Analyte

mg/kg

Analyzed By: AP

Chloride

Result 9300 Reporting Limit 16.0

Analyzed 05/01/2014

Analyzed

Method Blank ND

% Recovery

True Value QC 400

RPD Qualifier

Sample ID: WB 1 - 6' (H401271-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

400

100

Chloride

Chloride

Result 8200

16.0

Reporting Limit

Analyzed 05/01/2014 Method Blank ND

ND

BS 400 % Recovery 100

True Value QC 400

RPD 0.00

0.00

Qualifier

Sample ID: WB 1 - 8' (H401271-04) Chloride, SM4500CI-B

7500

Analyzed By: AP

Analyte Result Reporting Limit

mg/kg

16.0

Analyzed 05/01/2014

Method Blank

BS

400

% Recovery 100

True Value QC 400

RPD 0.00 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. 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 D. Keene



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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 1 - 10' (H401271-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6700	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 1 - 12' (H40	1271-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				****	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4700	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 1 - 14' (H40	1271-07)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4900	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 1 - 16' (H40	1271-08)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 1 - 18' (H40	1271-09)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2380	16.0	05/01/2014	ND	400	100	400	0.00	

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 profits incurred by client, ties a business interruptions, loss of the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 1 - 20' (H401271-10)

Chloride,	SM4500CI-B
-----------	------------

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result 3840

Result

12600

9600

Result

8600

Result

7100

Reporting Limit 16.0

Reporting Limit

16.0

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 05/01/2014 Method Blank ND

BS 400 % Recovery 100

True Value QC

RPD

Qualifier

Sample ID: WB 2 - 2' (H401271-11)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS

400

% Recovery

100

100

400

True Value QC

400

0.00

RPD

0.00

RPD

Qualifier

Sample ID: WB 2 - 4' (H401271-12) Chloride, SM4500CI-B

Analyte

Analyzed By: AP

Analyte

Result Reporting Limit

Analyzed 05/01/2014

Analyzed

Analyzed

05/01/2014

Analyzed

05/01/2014

Method Blank ND

BS

400

% Recovery

True Value QC

Qualifier

400

0.00

Sample ID: WB 2 - 6' (H401271-13)

Chloride, SM4500CI-B

Analyte

Analyte

mg/kg

Analyzed By: AP

Method Blank

BS

% Recovery True Value QC

RPD

Qualifier

Chloride

05/01/2014

400

100

400

0.00

Chloride

Sample ID: WB 2 - 8' (H401271-14)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

ND

BS

400

% Recovery

100

True Value QC

400

RPD

0.00

Qualifier

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All claims, including those for negligence and 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 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 consequ 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

Celey D. Keine



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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 2 - 10' (H401271-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5300	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 2 - 12' (H4012	71-16)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 2 - 14' (H4012	71-17)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 2 - 16' (H4012	71-18)						27		
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 2 - 18' (H4012	71-19)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				ta de la composition	***
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/01/2014	ND	400	100	400	0.00	

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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 2 - 20' (H401271-20)

mg	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
464	16.0	05/01/2014	ND	400	100	400	0.00	
71-21)								
mg	/kg	Analyze	d By: AP			AATSA OORA HAAAAA AAAAA AAAAA AAAAA AAAAA AAAAA AAAA		
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
8200	16.0	05/01/2014	ND	400	100	400	0.00	
71-22)								
mg	/kg	Analyze	d By: AP	1				
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
8240	16.0	05/01/2014	ND	400	100	400	0.00	
71-23)								
mg	/kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
9500	16.0	05/01/2014	ND	400	100	400	0.00	
71-24)								
mg,	/kg	Analyze	d By: AP					
D II	Danastina Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Result	Reporting Limit	Analyzeu	rictiod blank	00	70 11000101	True value qu		Ç
	Result 464 71-21) mg Result 8200 71-22) mg Result 8240 71-23) mg Result 9500 71-24) mg	### ##################################	Result Reporting Limit Analyzed 464 16.0 05/01/2014 71-21) mg/kg Analyze Result Reporting Limit Analyzed 8200 16.0 05/01/2014 71-22) mg/kg Analyze Result Reporting Limit Analyzed 8240 16.0 05/01/2014 71-23) mg/kg Analyze Result Reporting Limit Analyze 9500 16.0 05/01/2014 71-24) mg/kg Analyze	Result Reporting Limit Analyzed Method Blank 464 16.0 05/01/2014 ND 71-21) mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank 8200 16.0 05/01/2014 ND 71-22) mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank 8240 16.0 05/01/2014 ND 71-23) mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank 9500 16.0 05/01/2014 ND 71-24) mg/kg Analyzed By: AP	Result Reporting Limit Analyzed Method Blank BS 464 16.0 05/01/2014 ND 400 71-21) mg/kg Analyzed By: AP Result Reporting Limit Analyzed By: AP Analyzed By: AP	Result Reporting Limit Analyzed Method Blank BS % Recovery 464 16.0 05/01/2014 ND 400 100 71-21) mg/kg Analyzed By: AP Result Reporting Limit Analyzed By: AP Analyzed By: AP Analyzed By: AP	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 464 16.0 05/01/2014 ND 400 100 400 71-21) mg/kg Analyzed By: AP Result Reporting Limit Analyzed By: AP 71-23) Mg/kg Analyzed By: AP 71-24) Mg/kg Analyzed By: AP	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 464 16.0 05/01/2014 ND 400 100 400 0.00 71-21) mg/kg Analyzed By: AP Result Reporting Limit Analyzed By: AP Analyzed By: AP Analyzed By: AP

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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:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 10' (H401271-25)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 3 - 12' (H4012	71-26)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 3 - 14' (H4012	71-27)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	·				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8100	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 3 - 16' (H4012	71-28)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		THE NAME OF THE PARTY OF THE PA			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7100	16.0	05/01/2014	ND	400	100	400	0.00	
Sample ID: WB 3 - 18' (H4012	71-29)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			STOREN TO STANK TO STANK STOREN STANK S		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	04/30/2014	ND	400	100	400	0.00	

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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:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 20' (H401271-30)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	04/30/2014	ND	400	100	400	0.00	

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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

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Chlorides SAR RUSH TAT (Pre-Schedule)	N.O.R.M.	BTEX 8021B/5030 or BTEX	Semivolatiles	Volatiles	Metals: As Ag Ba Cd Cr Pb I	Anions (CI, SO4, Alkalinity) SAR / ESP / CEC	Cations (Ca, Mg, Na, K)	TPH: TX 1005 TX 100		NP=Non-Potable Specify Other	GW = Groundwater S=Soil/Solid	DW=Drinking Water SL=Sludge	Other (Specify)	Na ₂ S ₂ O ₃	NaOH	H ₂ SO ₄	нсі	HNO₃	Ice	Total #. of Containers	Field Filtered	Time Sampled	Date Sampled	Ending Depth	Beginning Depth		FIELD CODE	FIEL		LAB # (lab use only)
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	Relinquished by:	Relinquished by:		Special Instructions:	9		8	7	6	<u>)</u>	1	3	7				Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:	101 East N
		33	on a s	-	WB2-20'	WB2-18'	WB2-16'	WB2-14"	WB2-12'	WB2-10'	WB2-8'	WB2-6'	WB2-4"	WB2-2'	FIELD CODE	172194	re: (Wmbe	575-748-4111	Artesia, NM	ss: 105 South 4th Street	Yates Petroleum Corporation	: Amber Cannon	101 East Marland, Hobbs, NM 88240
	Date	Date	on a separate report	TPH: 8015B, BT													vouvey) v		88210	th Street	eum Corpo	Ön	88240
				, BTEX: 8	20'	18'	<u>호</u>	14"	12:	10'	ω .	6.	4.	2:	Beginning Depth		oni				ration		
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	OT:	Mey	TASK.	Please show BTEX results	10:50 AM	10:44 AM	10:40 AM	10:36 AM	10:33 AM	10:28 AM	10:25 AM	10:22 AM	10:18 AM	10:16 AM	Time Sampled		e-mail:	Fax No:					700 (000) 000
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	n Re	Custody seals on containe Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. by Courier? UPS	vample Containers intaction VOCs Free of Headspace? Labels on container(s)	Laboratory Comments:			1	1	1	T		T	T	T	Semivolatiles					m		nks	
	Temperature Upon Receipt:	p. (s)	Sample Containers intact? VOCs Free of Headspace? Labels on container(s)	5 5			T			×	×	×	×	×	BTEX 8021B/5030 or BTEX	8260	For:		205	Eddy County		Wilbanks Ranch (6" FG	
	17	된 , i(s)													RCI]TRRP	205-2020	ပိ		h	
+	V.	T										L		L	N.O.R.M.			õ	20	J.		6,	
-	0	Feed			×	×	×	×	×	×	×	×	×	×	Chlorides							FG	
		ENTEN X	RX/	9		_	_	-	-	-	-	-	-	-	SAR			Ļ				Line	
		8-13-	777			<u> </u>	-	-	1	-	-	_	+		DIICU TAT		Ц	NPDES		1		e	
	റ്	one Star	ZZZ	47			1	<u> </u>	1	_	1	1	-	+	RUSH TAT (Pre-Schedule) 2	4, 48, 72 hrs		S		١.	ㅗ	Щ.	-
- 1				41 7	V	IV.	IV	IV	IV	IV	1	IV	IV	IV	Standard TAT						Po	ne 1	1 4



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

TRRP 205-2020

PO #:

Project Loc:

Eddy County

Project #:

City/State/Zip:

Artesia, NM 88210

Company Address: 105 South 4th Street

Company Name Yates Petroleum Corporation

Project Manager:

Amber Cannon

(505)

Droject #:	Project Name: Wilbanks Ranch (6" FG Line)	CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
Pag		of 12

Sar	Sampler Signature: () Mbec (c	amnon	>		- e-mail:		180	acannon@yatesp	Inc	Įį.	V	ate	SS	et	0	neu	etroleum.com	8	_ 3						A	naj	Ze	Analyze For:						4		
.b use only)																						-	ᆲ	TCLP:	-	٦.	٦	\dashv	\dashv	\dashv	-1	4	_	1	s	
ORDER #:	H401271								Preservation & # of Co	8	9	#	ő		ntainers		2	Matrix	<u>`</u>	51			0	TOTAL			$\dagger \dagger$	1	لل						8, 72 h	
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	нсі	H ₂ SO ₄	NaOH	N=0.0		None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	THE PROPERTY COLOR	TPH: 418.1 8015M 801	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (CI, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 826	RCI	N.O.R.M.		Chlorides	SAR		RUSH TAT (Pre-Schedule) 24, 4	Standard TAT
2	WB3-2'	2'	2	4/28/2014	10:57 AM		_	×	1, 1		\neg	-	-	_	_			S	-										-	-	-+	_	_	_	-	×
72	WB3-4'	4"	4	4/28/2014	11:00 AM		1	×					-					S		×		_						×		\dashv		$\stackrel{\times}{+}$				\times \mid :
23	WB3-6'	oj.	oj.	_	11:01 AM		1	×	7			_	_	-	_			S		×	_							×		\dashv		$\stackrel{\times}{\dashv}$	\perp	_	_	\times
24	WB3-8'	ಹ	ω.	4/28/2014	11:04 AM		1	X						_				S		×							11.0	\times		\dashv		×		_		\times
25	WB3-10'	10'	10'	4/28/2014	11:09 AM		1	×							- 62		2347.	S		×								×				$\stackrel{\times}{\dashv}$				\times
26	WB3-12'	12'	12'	1	11:11 AM		1	×				-						S		×							\neg	\times				\times				\times
27	WB3-14'	14'	14'	4/28/2014	11:15 AM		1	×		_			_					S		×								×		-		\times				\times
28	WB3-16'	16'	16	4/28/2014	11:21 AM		1	×		_		_						S		×								×				×	16			×
29	WB3-18'	18'	18'	4/28/2014	11:26 AM		1	×				1	-					S		×								×		\vdash		×	. 1		\perp	×
8	WB3-20'	20'	20'	4/28/2014	11:33 AM		1	×		7.	7 .		-					S		\times								×				×	- 1			\times
Special Instructions:	ctions:	BTEX:	80218 Tha	TPH: 8015B, BTEX: 8021B & Chlorides. on a separate report Thank you.	Please show BTEX results as mg/kg	low BTEX res	9. 1	X	C es	lts	as	mg	/kg) e	se	Please put chlorides	c	or.	des		Q a B	ora S F	6 6 6	of I	Heg on i	Laboratory Comments: Sample Containers Intact VOCs Free of Headspace	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	.5 ~			10	CO.	7.		
Helinquished by	Connon		Time	Received by	: The		NOON	8	7		•				7	ZZ Date	- e	2	5		\mathcal{O}	ab Sus	\$ 6 kg	Ses/	als		abels on container(s) Custody seals on cool	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)) (S)			(E)(S)	מטיי)	-)	
Relinquished by:			Time	Rédeived by:												Date	Ø.		-1	ime			nple Hand I by Sampler by Courier?	an Ha	e 등 급	(C) (E) (C)	Sample Hand Delivered by Sampler/Client Rep by Courier? UPS	nple Hand Delivered by Sampler/Client Rep. by Courier? UPS	o ~ `	F ~	TI .		×	- C	one Star	
Relinquished by:	Y: Date		Time	Received by ELOT:	.OT:											Date	e		4	Time		er .	per	atur	G :	por	Re d	Temperature Upon Receipt:	ř ,	i	(T) -	· · ·		, 7	ဂိ	



May 05, 2014

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

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 04/29/14 10:30.

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.

Celeg & Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 1 - 2' (H401271-01)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	< 0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	102	% 61.3-14	2						
Surrogate: Toluene-d8	98.2	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	97.3	% 65.7-14	1						
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	04/30/2014	ND	190	94.9	200	1.62	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	206	103	200	0.365	
Surrogate: 1-Chlorooctane	109	% 65.2-14	0		D. T. J. C. L. H.				
Surrogate: 1-Chlorooctadecane	103	% 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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 1 - 4' (H401271-02)

BTEX 8260B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	105	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 5	% 65.7-14	1						
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	04/30/2014	ND	190	94.9	200	1.62	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	206	103	200	0.365	
Surrogate: 1-Chlorooctane	110 9	65.2-14	0			Parameter and Continue of Section 1999	s perfection than the contract of the contract		
Surrogate: 1-Chlorooctadecane	105	% 63.6-15	4						

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Celeg D. Keene



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

. .

Reported: 05/05/2014

Project Name: WILBANKS RANCH (6" FG LINE)

04/29/2014

Project Number: NONE GIVEN

Project Location: EDDY COUNTY, NM

Sampling Date:

Sample Received By:

Sampling Type: Soil

Sampling Type: So

Cool & Intact

04/28/2014

Jodi Henson

Sample ID: WB 1 - 6' (H401271-03)

Received:

BTEX 8260B	mg,	/kg	Analyze	d By: ms	Aug				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	98.6	% 61.3-14	2						
Surrogate: Toluene-d8	97.9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.6	% 65.7-14	1						
TPH 8015M	mg,	/kg	Analyze	d By: CK			Section of the sectio		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	111 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

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Celey D. Keine



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

Fax To:

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 1 - 8' (H401271-04)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	2						
Surrogate: Toluene-d8	98.1	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.4	% 65.7-14	I						
TPH 8015M	mg,	/kg	Analyze	d By: CK					as micronomerope and
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	111 5	% 65.2-14	0				63		
Surrogate: 1-Chlorooctadecane	106	% 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:

04/29/2014

Sampling Date:

04/28/2014

Reported:

Sampling Type:

Soil

05/05/2014

Project Name: Project Number: WILBANKS RANCH (6" FG LINE) NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: WB 1 - 10' (H401271-05)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	99.9	% 61.3-14	2						
Surrogate: Toluene-d8	93.2	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.5	% 65.7-14	1						
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	04/30/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	113 :	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	106	% 63.6-15	4						

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Celeg D. Keine



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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 2 - 2' (H401271-11)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	98.1	% 61.3-14	2						
Surrogate: Toluene-d8	103	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
TPH 8015M	mg,	'kg	Analyze	d By: CK			48-00-00-00-00-00-00-00-00-00-00-00-00-00		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/30/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	104 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	99.7	% 63.6-15	4						

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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:

04/29/2014

Sampling Date:

04/28/2014

Reported:

Sampling Type:

Soil

Project Name:

05/05/2014

Sampling Condition:

Cool & Intact

Project Number:

WILBANKS RANCH (6" FG LINE) NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 2 - 4' (H401271-12)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	< 0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	< 0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	< 0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	104 9	61.3-14	2						
Surrogate: Toluene-d8	101 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101 9	65.7-14	1						
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	04/30/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	109 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	106 %	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:

o:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 2 - 6' (H401271-13)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	100 9	% 61.3-14	2						
Surrogate: Toluene-d8	104 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	101 9	65.7-14	1						
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	04/30/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	04/30/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	109 9	65.2-14	0					· · · · · · · · · · · · · · · · · · ·	
Surrogate: 1-Chlorooctadecane	104 %	63.6-15	4						

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Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 2 - 8' (H401271-14)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	< 0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	102 5	61.3-14	2						
Surrogate: Toluene-d8	99.8	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 5	65.7-14	1						
TPH 8015M	mg/	kg	Analyze	d By: CK			LES PARAMONETES MANAGEMENTS		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	112 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 9	63.6-15	4						

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Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Project Location:

NONE GIVEN

Jodi Henson

EDDY COUNTY, NM

Sample ID: WB 2 - 10' (H401271-15)

BTEX 8260B	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	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	98.7	% 61.3-14	2		•				
Surrogate: Toluene-d8	100 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	93.8	% 65.7-14	1						
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	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	114 9	% 65.2-14	0		P-00000 P-001 10 0000				
Surrogate: 1-Chlorooctadecane	110 9	63.6-15	4						

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Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

01/25/2011

Sampling Type:

Soil

Reported.

05/05/2014

Camping Type:

Cool & Intact

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

בססו א זוונמכנ

Project Number: Project Location: NONE GIVEN EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: WB 3 - 2' (H401271-21)

BTEX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	< 0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	2						
Surrogate: Toluene-d8	99.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	97.9	% 65.7-14	1						
TPH 8015M	mg/kg		Analyze	Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	107 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 5	% 63.6-15	4						

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Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 4' (H401271-22)

BTEX 8260B	mg/kg		Analyzed By: ms		·				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	101 5	% 61.3-14	2						
Surrogate: Toluene-d8	102 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	65.7-14	I						
TPH 8015M	mg/	mg/kg An		Analyzed By: CK					era i (marina) konstruit radiorali alia
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	117 9	65.2-14	0			(a. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	A		
Surrogate: 1-Chlorooctadecane	109 9	63.6-15	4						

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

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 6' (H401271-23)

BTEX 8260B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	< 0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	< 0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	103 %	6 61.3-14	2			***************************************			
Surrogate: Toluene-d8	102 % 71.3-12		9						
Surrogate: 4-Bromofluorobenzene	104 % 65.7-14		I						
TPH 8015M	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	114 %	65.2-14	0			***************************************	(M.C.)		and the same of th
Surrogate: 1-Chlorooctadecane	112 %	63.6-15	4						

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Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 8' (H401271-24)

BTEX 8260B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	< 0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	< 0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	105 %	6 61.3-14	2						
Surrogate: Toluene-d8	101 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.9 9	65.7-14	I						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	116%	65.2-146)		V-1				Property Species
Surrogate: 1-Chlorooctadecane	113 %	63.6-15-	1						

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Celey D. Keens



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

Fax To:

Received: Reported: 04/29/2014

05/05/2014

WILBANKS RANCH (6" FG LINE)

Project Number:

NONE GIVEN

Project Location:

Project Name:

EDDY COUNTY, NM

Sampling Date:

Sampling Type:

Sampling Condition:

04/28/2014

Soil

Cool & Intact

Sample Received By: Jodi Henson

Sample ID: WB 3 - 10' (H401271-25)

BTEX 8260B	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	< 0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	102 5	% 61.3-14	2						
Surrogate: Toluene-d8	98.9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105 5	65.7-14	I						
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	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	110 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	63.6-15	4						

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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 12' (H401271-26)

BTEX 8260B	mg/	'kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	98.3	% 61.3-14	2				41.000		
Surrogate: Toluene-d8	98.4	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.2	% 65.7-14	1						
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	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	114 %	65.2-14	0	A					
Surrogate: 1-Chlorooctadecane	109 % 63.6-154		4						

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Celeg D. Keena



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

Fax To:

(505) 748-4635

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

Soil

05/05/2014

Sampling Type:

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 14' (H401271-27)

BTEX 8260B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	0.062	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	100 9	% 61.3-14	2				***************************************		
Surrogate: Toluene-d8	103 9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 9	% 65.7-14	I						
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	115 %	65.2-14	0					**************************************	
Surrogate: 1-Chlorooctadecane	110 %	63.6-15	4						

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Celeg D. Keine



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

Fax To:

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 16' (H401271-28)

BTEX 8260B	mg,	/kg	Analyze	ed By: ms				No.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	102 5	% 61.3-14	2						
Surrogate: Toluene-d8	99.1	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100 5	% 65.7-14	1						
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	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	114 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	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:

04/29/2014

Sampling Date:

04/28/2014

Reported:

Sampling Type:

Soil

05/05/2014

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

Sample Received By:

Jodi Henson

EDDY COUNTY, NM

Sample ID: WB 3 - 18' (H401271-29)

BTEX 8260B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	<0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	< 0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	97.9 9	61.3-14	2				The second section of the sect	***************************************	
Surrogate: Toluene-d8	101 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	97.8 9	65.7-14	I						
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	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	109 %	65.2-140)		The second section of the section of th				
Surrogate: 1-Chlorooctadecane	105 % 63.6-154		<i>‡</i>						

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

Received:

04/29/2014

Sampling Date:

04/28/2014

Reported:

05/05/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: WB 3 - 20' (H401271-30)

BTEX 8260B	mg/	kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2014	ND	2.61	131	2.00	1.05	
Toluene*	< 0.050	0.050	05/02/2014	ND	2.35	117	2.00	0.600	
Ethylbenzene*	<0.050	0.050	05/02/2014	ND	2.28	114	2.00	0.350	
Total Xylenes*	<0.150	0.150	05/02/2014	ND	7.02	117	6.00	0.899	
Total BTEX	<0.300	0.300	05/02/2014	ND					
Surrogate: Dibromofluoromethane	101 %	6 61.3-14	2						
Surrogate: Toluene-d8	98.3 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.2 9	65.7-14	I						
TPH 8015M	mg/	kg	Analyze	d By: CK					- Victoria
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/01/2014	ND	190	94.9	200	1.34	
DRO >C10-C28	<10.0	10.0	05/01/2014	ND	210	105	200	2.67	
Surrogate: 1-Chlorooctane	116%	65.2-140)						ST-ST-STORMAN AND AND AND AND AND AND AND AND AND A
Surrogate: 1-Chlorooctadecane	111 %	63.6-15-	4						

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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

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Celeg & Keene

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	Date	Date	Date	on a separate report	טוי פחלבם בו				7									mber / m	4111	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	annon	NM 88240
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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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Anions (CI, SO4, Alkalinity)	
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" PH RCI RCI N.O.R.M. S-2020	유
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9 \$\text{PCX-(378-(3)} SAR	Wilbanks Ranch (6 " FG Line
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	.ine)
RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
Pag	ge 25 of



July 01, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 06/25/14 16:14.

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.

Celes Diene

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:

06/25/2014

Sampling Date:

06/24/2014

Reported:

07/01/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name: Project Number: WILBANKS RANCH (6" FG LINE) NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: WB1-24' (H401921-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

Reporting Limit

16.0

Reporting Limit

Analyzed

% Recovery

True Value QC

Qualifier

Chloride

256

Result

672

06/30/2014

Method Blank ND

BS 416

104

400

Sample ID: WB1-25' (H401921-02)

Chloride, SM4500CI-B

Analyte

Analyzed By: AP

BS

RPD

0.00

Qualifier

Chloride

16.0 06/30/2014 ND

Method Blank

416

104

% Recovery

True Value QC 400

RPD 0.00

Sample ID: WB1-26' (H401921-03)

Chloride, SM4500CI-B

mg/kg

Analyzed

Analyzed By: AP

0.00

Chloride

Chloride

Result 1880

Result

1100

16.0

Reporting Limit

Reporting Limit

16.0

Analyzed 06/30/2014

Analyzed

06/30/2014

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

Qualifier

Sample ID: WB3-24' (H401921-04)

Analyte

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS

416

% Recovery

104

True Value QC

400

RPD 0.00 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. 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 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

Celen Keine Celey D. Keene, Lab Director/Quality Manager

Page 2 of 5



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

Fax To:

(505) 748-4635

Received:

06/25/2014

Sampling Date:

06/24/2014

Reported:

07/01/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

Analyte

Analyte

Analyte

EDDY COUNTY, NM

Sample ID: WB3-25' (H401921-05)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

% Recovery

104

True Value OC

Qualifier

Chloride

Result 320

Reporting Limit 16.0

Analyzed 06/30/2014

ND

416

400

RPD 0.00

Sample ID: WB3-26' (H401921-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

RS

RPD

0.00

Result

384

Result

Analyzed Reporting Limit 06/30/2014 16.0

Method Blank ND

Method Blank

BS 416 % Recovery 104

True Value QC 400

Qualifier

Chloride

Sample ID: WB3-27' (H401921-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

BS

% Recovery True Value QC

RPD

Qualifier

Chloride

640 16.0

Reporting Limit

Analyzed 06/30/2014

ND

416

104

400

0.00

Cardinal Laboratories

*=Accredited Analyte

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Celey & Kreene 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 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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Celey & Keene

Proje		
Project Manager: Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240	
	(505) 393-2326 FAX (505) 393-2476	
		CHAIN OF CU

JSTODY RECORD AND ANALYSIS REQUEST

relinquished by:	Reinquisned by	Remquished by:		Special I			J	6	L7	4	U	بعن		LAB # (lab use only)	ORDER #:	(lab use only)							G
led by:	ed by:	mby anny		Special Instructions:			WB3-27'	WB3-26'	WB3-25'	WB3-24'	WB1-26'	WB1-25'	WB1-24'	FIELD CODE	# 4401421	-	Sampler Signature: (LM)	Telephone No: 575-748-4111	City/State/Zip: Artesia, N	Company Address: 105 South	Company Name Yates Pet	Project Manager: Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Date	Date	lol25114															ber (i	1111	Artesia, NM 88210	105 South 4th Street	Yates Petroleum Corporation	nnon	ES NM 88240
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ite	5/14	15/14 18/14					S	S	S	S	S	S	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	Matrix		acannon@yatespetroleum.com	Report Format:			50 - 3	70	
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July 31, 2014

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

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 07/24/14 13:10.

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.

Lope S. Moreno

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,

Hope S. Moreno For 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:

07/24/2014

Sampling Date:

07/23/2014

Reported:

Sampling Type:

Soil

07/31/2014

384

384

ND

ND

400

400

Project Name:

WILBANKS RANCH (6" FG LINE) NONE GIVEN

16.0

Reporting Limit

16.0

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

4.08

4.08

Qualifier

Project Number: Project Location:

EDDY COUNTY, NM

Sample ID: E #1 - 7' (H402270-01)

Sample ID: E #1 - 8' (H402270-02)

Chloride, SM4500Cl-B	mg	/kg	Analyz	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	

07/29/2014

07/29/2014

Chloride

Chloride, SM4500CI-B

112

Result

80.0

mg/kg

	ed By: AP					0 10
Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

96.0

96.0

Chloride

Analyte

Sample ID: E #1 - 9' (H402270-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/25/2014	ND	416	104	400	3.92	

Sample ID: E #2 - 7' (H402270-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/25/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Lope S. Moreno-



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

Fax To:

(505) 748-4635

Received:

07/24/2014

Sampling Date:

07/23/2014

Reported:

07/31/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: E #2 - 8' (H402270-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/25/2014	ND	416	104	400	3.92	
Sample ID: E #2 - 9' (H4	02270-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	-c-lesi				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/25/2014	ND	416	104	400	3.92	
Sample ID: E #3 - 7' (H4	02270-07)								

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/25/2014	ND	416	104	400	3.92	

Sample ID: E #3 - 8' (H402270-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	07/25/2014	ND	416	104	400	3.92	

Sample ID: E #3 - 9' (H402270-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP			er angelen mår neg og av Et annet av Wi		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	07/25/2014	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Lope S. Moreno



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

- Chloride by SM4500CI-B does not require samples be received at or below 6°C

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

Cardinal Laboratories

*=Accredited Analyte

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Lope S. Moreno



August 12, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 08/06/14 14:30.

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.

Celego Keena

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:

08/06/2014

NONE GIVEN

08/12/2014 Reported:

WILBANKS RANCH (6" FG LINE)

Project Number:

Received:

Project Name:

Project Location: EDDY COUNTY, NM Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

07/23/2014

Jodi Henson

Sample ID: E #3-1' (H402420-01)

Analyzed By: AP Chloride, SM4500CI-B mg/kg

True Value QC RPD Qualifier Method Blank BS % Recovery Reporting Limit Analyzed Analyte Result 0.00

400 08/07/2014 ND 400 100 Chloride 64.0 16.0

Sample ID: E #3-2' (H402420-02)

Chloride, SM4500CI-B Analyzed By: AP mg/kg Qualifier % Recovery True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank BS 100 400 0.00 400 Chloride 32.0 16.0 08/07/2014 ND

Sample ID: E #3-3' (H402420-03)

Analyzed By: AP Chloride, SM4500CI-B mg/kg Method Blank BS % Recovery True Value QC RPD Qualifier Reporting Limit Analyzed Analyte Result 0.00 Chloride <16.0 16.0 08/07/2014 ND 400 100 400

Sample ID: E #3-4' (H402420-04)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Method Blank BS % Recovery True Value QC RPD Qualifier Analyzed Reporting Limit Analyte Result 08/07/2014 400 0.00 ND 400 100 16.0 64.0 Chloride

Cardinal Laboratories

*=Accredited Analyte

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Celego France



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

Fax To:

(505) 748-4635

Received:

08/06/2014

Sampling Date:

07/23/2014

Reported:

08/12/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

Analyte

Analyte

Analyte

EDDY COUNTY, NM

Sample Received By:

Jodi Henson

Sample ID: E #3-5' (H402420-05)

Chloride, SM4500CI-B

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: AP

True Value QC

Chloride

Result 128

Result

Result

5440

Analyzed 08/07/2014

Analyzed

08/07/2014

Analyzed

08/07/2014

ND

Method Blank

% Recovery 100

RPD

Qualifier

Qualifier

Sample ID: E #3-6' (H402420-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

400

BS

400

BS

% Recovery

100

400

0.00

208 Chloride

Sample ID: E #3-10' (H402420-07) Chloride, SM4500CI-B

Chloride

mg/kg

Analyzed By: AP

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

True Value QC

400

RPD 0.00

RPD

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celego Frence

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. Kanne

Relinquished by:	Relinquished by	Relinquished by:		Special I					5	<u></u>		Ų.	U.		LAB # (lab use only)	ORDER #:								
hed by:		County		Special Instructions:				E #3-10'	E #3-6'	E #3-5'	E #3-4'	E #3-3'	E #3-2'	E #3-1'	FIELD CODE	# H-102430	Sampler Signature: (A) WUJA		Telephone No: 575-748-4111	City/State/Zip: Artesia, NM	Company Address: 105 South 4th Street	Company Name Yates Petroleum Corporation	Project Manager: Amber Cannon	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Date	Date	8/6//4																3		88210	Street	ım Corpo	ח	8240
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August 15, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 08/14/14 11:30.

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.

Celeg & Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received: 08/14/2014 Reported: 08/15/2014

WILBANKS RANCH (6" FG LINE) Project Name:

Project Number: NONE GIVEN

Project Location: EDDY COUNTY, NM Sampling Date:

08/11/2014

Sampling Type:

Soil ** (See Notes)

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: E #4-1' (H402497-01)

Chloride, SM4500CI-B mg/kg Analyzed By: AP True Value QC RPD Qualifier Reporting Limit Analyzed Method Blank BS % Recovery Analyte Result 3.92 Chloride 32.0 16.0 08/15/2014 ND 416 104 400 Sample ID: E #4-2' (H402497-02)

Chloride, SM4500CI-B

Analyzed By: AP mg/kg RPD Qualifier Reporting Limit Analyzed Method Blank BS % Recovery True Value QC Analyte Result Chloride 400 3.92 16.0 08/15/2014 ND 416 104 32.0

Sample ID: E #4-3' (H402497-03)

Chloride, SM4500CI-B Analyzed By: AP mg/kg RPD Oualifier Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC ND 416 104 400 3.92 64.0 16.0 08/15/2014 Chloride

Sample ID: E #4-4' (H402497-04)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Analyte Result Chloride 32.0 16.0 08/15/2014 ND 416 104 400 3.92

Cardinal Laboratories

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

Received: Reported: 08/14/2014

08/15/2014

Project Name:

WILBANKS RANCH (6" FG LINE)

Reporting Limit

16.0

Project Number:

NONE GIVEN

Project Location:

Analyte

EDDY COUNTY, NM

Sampling Date:

08/11/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Jodi Henson

Sample ID: E #4-5' (H402497-05)

Chloride, SM-	4500CI-B
---------------	----------

mg/kg

Result

48.0

Analyzed By: AP

Method Blank

RS 416 % Recovery 104

True Value OC

RPD

Oualifier

Sample ID: E #4-6' (H402497-06)

hloride,	SM4500CI-B
----------	------------

mg/kg

Analyzed By: AP

ND

400

3.92

Analyte

Analyte

Analyte

Analyte

Reporting Limit Result

Analyzed

Analyzed

08/15/2014

Analyzed

08/15/2014

Analyzed

08/15/2014

Analyzed

08/15/2014

Method Blank ND

BS

True Value QC

RPD

3.92

3.92

Chloride

Chloride

Chloride

Chloride

Chloride

48.0

Result

64.0

Result

80.0

Result

96.0

16.0 08/15/2014

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

416

% Recovery 104

400

Qualifier

Sample ID: E #4-7' (H402497-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank BS % Recovery

True Value QC

400

RPD

Qualifier

Sample ID: E #4-8' (H402497-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

ND

BS

416

416

% Recovery

104

104

True Value OC

RPD

Qualifier

mg/kg

Analyzed By: AP

Method Blank

400

3.92

Sample ID: E #4-9' (H402497-09)

Chloride, SM4500Cl-B

ND

BS

416

% Recovery

104

True Value QC 400

RPD

3.92

Qualifier

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

Fax To:

(505) 748-4635

Received:

08/14/2014

Sampling Date:

08/11/2014

Reported:

08/15/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: E #5-1' (H402497-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP		Name Andrews	den a decembra de la compansión de la comp		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/15/2014	ND	416	104	400	3.92	
Sample ID: E #5-2' (H402	497-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/15/2014	ND	416	104	400	3.92	
Sample ID: E #5-3' (H402	497-12)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/15/2014	ND	416	104	400	3.92	
Sample ID: E #5-4' (H402	497-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/15/2014	ND	416	104	400	3.92	
Sample ID: E #5-5' (H402	497-14)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/15/2014	ND	416	104	400	3.92	

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Cellen Keens



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

Fax To:

(505) 748-4635

Received:

08/14/2014

Sampling Date:

08/11/2014

Reported:

Sampling Type:

Soil

08/15/2014

Sampling Condition:

** (See Notes)

Project Name: Project Number: WILBANKS RANCH (6" FG LINE) NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

Analyte

EDDY COUNTY, NM

Sample ID: E #5-6' (H402497-15)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

% Recovery

104

True Value QC

Qualifier

Chloride

Result 16.0

Result

32.0

Reporting Limit 16.0

Reporting Limit

Analyzed 08/15/2014

Analyzed

ND

Method Blank

416

400

RPD

Sample ID: E #5-7' (H402497-16)

Chloride, SM4500Cl-B Analyte

mg/kg

Analyzed By: AP

Method Blank

BS

BS

% Recovery

RPD

3.92

Qualifier

Chloride

16.0 08/15/2014 ND

416

104

True Value QC 400

400

3.92

Sample ID: E #5-8' (H402497-17)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Result

32.0

Result

48.0

Result

3760

Reporting Limit Analyzed Method Blank

ND

BS 416 % Recovery

True Value QC

RPD 3.92 Qualifier

Chloride

Analyzed By: AP

104

Sample ID: E #5-9' (H402497-18)

Analyte

Analyte

Chloride, SM4500CI-B

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

16.0

Analyzed

08/15/2014

08/15/2014

Method Blank BS 416

% Recovery 104

True Value QC 400

RPD 3.92 Qualifier

Chloride

Chloride

Sample ID: STOCK PILE NORTH (H402497-19)

Chloride, SM4500CI-B

Analyzed By: AP

Analyzed

08/15/2014

Method Blank

ND

ND

BS 416 % Recovery 104

True Value QC 400

RPD 3.92 Qualifier

Cardinal Laboratories

Analyte

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Cellen Steens



YATES PETROLEUM CORPORATION

AMBER CANNON 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/14/2014

Sampling Date:

08/11/2014

Reported:

08/15/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: STOCK PILE SOUTH (H402497-20)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	08/15/2014	ND	416	104	400	3.92	

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Clay thene



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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Celego tremo-

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Relinquished by:	Relinquished by:	Refinquished by:	opecial mstructions:	0	0	8		6	Cr	£	C	7	-	LAB # (lab use only)	ORDER #:		San	Tele	City	Con	Con	Proj	
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Date	Date	8/14/14	rage 1 of 2													1	Dex ()	111	/ 88210	4th Street	Yates Petroleum Corporation	non	S M 88240
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Temperature Upon Receipt:	Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS I	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?											BTEX 8021B/5030 or BTEX 8	260	For:			205	ddy		Rar	ž fi
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##5-5:	File   CODE   File	### Project #:		ARDINAL LABORATORIES  101 East Marland; Hobbs, NM 88240  (505) 393-2326 FAX (505) 393-2476  Project Name: Wilbank mpany Address: 105 South 4th Street  mpany Address: 105 South 4th Street  mpany Address: 105 South 4th Street  project 4:  Project 4:  Project Loc:  Proje	×					-	_		S			T	<del> </del>	-	┼	<u> </u>	<u> </u>			12:32 PM	8/11/2014	οĵ	οĩ		± #5-6'	m	2
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#5-3   Field Filtered   Total #. of Containers   Ice   HNO3   HCl   H ₂ SO ₄   NaOH   Na ₂ S ₂ O ₃   None   Other ( Specify)   DW=Drinking Water SL=Siudge   GW = Groundwater S=Soil/Soild   NP=Non-Potable   Specify Other   TPH:   418.1   8015M   TPH:   TX 1005   TX 100   Cations (Ca, Mg, Na, K)   Anions (CI, SO4, Alkalinity)   SAR / ESP / CEC   Metals: As Ag Ba Cd Cr Pb H Volatiles   Semivolatiles   Semivolati	FIELD CODE	Project #:   Project #:   Project #:   Project #:   Project   Pr	Signature:   Amber Cannon   Project Name:   Wilbank   Project   Signature:   Wilbank   Project   Wilbank   Project   Signature:   Wilbank   Wilbank   Project   Signature:   Wilbank   Project   Signature:   Wilbank   Wilb	ARDINAL LABORATORIES  101 East Marland, Hobbs, NM 88240  (505) 383-2328 FAX (505) 383-2476  Project Name: Wilbank mpany Name Yates Petroleum Corporation  mpany Name Yates Petroleum Corporation  ### Project Name: Wilbank project Name: Name: Name: Name: Name: Name:	×					-			S				<del> </del>	-		<u> </u>	ļ			12:28 PM	8/11/2014	4	.4		#5-4'	П	5
FIELD CODE  Pield Filtered  Total #. of Containers  Ice  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/Soild NP=Non-Potable Specify Other  TPH: 418.1 8015M  TPH: TX 1005 TX 100  Cations (Ca, Mg, Na, K)  Anions (CI, SO4, Alkalimity)  SAR / ESP / CEC  Metals: As Ag Ba Cd Cr Pb H  Volatiles  Semivolatiles	#5-22 Beginning Depth  22 Beginning Depth  23 Ending Depth  24 Date Sampled  25 Field Filtered  26 Total #. of Containers  27 Ice  28 HNO ₃ 29 HCI  20 HNO ₃ 20 HCI  20 HNO ₃ 21 HCI  22 HNO ₃ 23 HCI  24 PM  25 Field Filtered  26 Total #. of Containers  27 Ice  28 HNO ₃ 29 HCI  20 HNO ₃ 20 HCI  21 HNO ₃ 22 HON  23 Preservation & # of Containers  25 Ice  26 HNO ₃ 27 HCI  28 HOI  29 Preservation & # of Containers  20 Ice  20 HNO ₃ 30 HCI  31 HCI  32 HCI  33 HCI  34 HCI  45 HCI  46 HCI  47 HCI  47 HCI  48 HOI  58 HO	## Project ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   ##:  ### Project   #		ARDINAL LABORATORIES   101 East Marfand, Hobbs, NM 88240   (505) 383-2276   Froject Name: Wilbank   Manager: Amber Cannon   Manager: Amber Cannon   Project Name: Wilbank   Manager: Amber Cannon   Mascall Name: Wilbank   Project Name: No.   Name: Name: No.   Name: Name: No.   Name: No.   Name: Name	×					<del> </del>	-		S				<del> </del>	-	_	_				12:26 PM	8/11/2014	ω	ω		± #5-3'	m	17
Beginning Depth  Ending Depth  Date Sampled  Time Sampled  Field Filtered  Total #. of Containers Ice  HNO3  HCI  H ₂ SO ₄ NaOH  Na ₂ S ₂ O ₃ None  Other ( Specify)  DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Soild NP=Non-Potable Specify Other  TPH: 418.1 8015M  TPH: TX 1005 TX 100  Cations (Ca, Mg, Na, K)  Anions (CI, SO4, Alkalinity)  SAR / ESP / CEC  Metals: As Ag Ba Cd Cr Pb H  Volatiles  Semivolatiles	Beginning Depth  Ending Depth  Date Sampled  Field Filtered Total #. of Containers Ice 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/Soild NP=Non-Potable Specify Other  TPH: 418.1 8015M 8015 TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (CI, SO4, Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semivolatiles	mpany Address: 105 South 4th Street  mpany Address: 105 South 4th Street  mpany Address: 105 South 4th Street  Artesia, NM 88210  Fax No:  project Loc:  pro	Project Name	### ARDINAL LABORATORIES    101 East Marland, Hobbs, NM 88240   (505) 393-2476	×					-	-	T	S			1	t	$\vdash$	ऻ	├	<u> </u>			12:24 PM	8/11/2014	vi	5,		E #5-2'	m	=
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		Yates Petroleum Corporation         Project #:           105 South 4th Street         Project Loc:           Artesia, NM 88210         PO#:           575-748-4111         Fax No:         Report Format:         x Standard           Fax No:         acannon@yatespetroleum.com         Analyze	Amber Cannon         Project Name:         Wilbank           Yates Petroleum Corporation         Project #:         Project Loc:           105 South 4th Street         Project Loc:         Project Loc:           Artesia, NM 88210         PO#:         PO#:           575-748-4111         Fax No:         Report Format:         X Standard           575-748-4111         e-mail:         acannon@yatespetroleum.com         Analyze	BORATORIES           and, Hobbs, NM 88240         (505) 393-2326 FAX (505) 393-2476         Project Name: Wilbank         Wilbank           Amber Cannon         Project Name: Wilbank         Wilbank           105 South 4th Street         Project Loc:         Project Loc:           Artesia, NM 88210         Project Loc:         Project Loc:           575-748-4111         Fax No:         Po#:           Fax No:         Report Format: X Standard           Analyze         Analyze			0	Se.		101	-	51	2					t i			?	7							1001	Ŧ	(lab use onl
mpler Signature: (LIMDEX (DUNIMITY) e-mail: acannon@yatespetroleum.com  Told: Total: T		ress:       105 South 4th Street       Project Loc:       Project Loc:       Project Loc:       Project Loc:       Project Loc:         Artesia, NM 88210       PO#:       PO #:       PO	Amber Cannon       Project Name:       Wilbank         Yates Petroleum Corporation       Project #:         s: 105 South 4th Street       Project Loc:         Artesia, NM 88210       PO#:	ABORATORIES         arland, Hobbs, NM 88240       (505) 393-2326 FAX (505) 393-2476         Project Name:       Wilbank         Yates Petroleum Corporation       Project #:         ss: 105 South 4th Street       Project Loc:         Artesia, NM 88210       PO#:	TRRP			ndard	Star	$\times$	nat:	t Forr	epon	20										Fax No:				1	575-748-411	elephone No:	-
rephone No: 575-748-4111  Fax No: Report Format: X Standard Each Signature: Analyze For: Analyze For: TOTAL: TOTAL: Standard Each Standard Eac	575-748-4111 Fax No: Report Format: X Standard	Yates Petroleum Corporation Project #:  105 South 4th Street Project Loc:	Amber Cannon       Project Name:       Wilbank         Yates Petroleum Corporation       Project #:         S: 105 South 4th Street       Project Loc:	ABORATORIES       Amber Cannon       Project Name:       Wilbank         Yates Petroleum Corporation       Project #:       Project Loc:         98: 105 South 4th Street       Project Loc:       Project Loc:	205-2020		205			.# 	PO#			20														88210	Artesia, NM	ity/State/Zip:	0
y/State/Zip: Artesia, NM 88210  ephone No: 575-748-4111  Fax No: Report Format: X Standard  mpler Signature:	Artesia, NM 88210 PO#:  575-748-4111 Fax No: Report Format: X Standard	Yates Petroleum Corporation	Amber Cannon Project Name:  Yates Petroleum Corporation Project #:	ABORATORIES         arland, Hobbs, NM 88240       (505) 393-2326 FAX (505) 393-2476         Amber Cannon       Project Name:	Eddy County		Eddy			l U	# Loc	rojec	יד	68														lh Street		ompany Address:	0
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September 11, 2014

AMBER CANNON

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: WILBANKS RANCH (6" FG LINE)

Enclosed are the results of analyses for samples received by the laboratory on 09/04/14 10:15.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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 & Keena

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:

09/04/2014

Sampling Date:

09/02/2014

Reported:

09/11/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: S #7-1 (H402735-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit Analyzed

Method Blank

% Recovery

True Value QC

Qualifier

Chloride

32.0

16.0

Reporting Limit

16.0

09/09/2014

Analyzed

ND

100

400

RPD 0.00

Sample ID: S #7-3 (H402735-02)

Analyte

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

400

RPD

0.00

Chloride

Result

128

Result

Result

64.0

16.0 09/09/2014 Method Blank ND

BS 400 % Recovery 100

True Value QC 400

Qualifier

Sample ID: S #7-5 (H402735-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

Chloride

Chloride

112

Reporting Limit

Analyzed 09/10/2014

Method Blank ND

% Recovery 104

True Value QC 400

RPD 0.00 Qualifier

Sample ID: S #7-7 (H402735-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte

Reporting Limit

16.0

Analyzed 09/10/2014

Method Blank ND

BS 416

416

% Recovery 104

True Value QC 400

RPD 0.00 Qualifier

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(505) 748-4635

Received:

09/04/2014

Sampling Date:

09/02/2014

Reported:

09/11/2014

Sampling Type:

Soil

400

0.00

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

<16.0

16.0

Sample Received By:

416

104

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: S #7-9 (H402735-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/10/2014	ND	416	104	400	0.00	
Sample ID: S #9-1 (H402	735-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP				strangen and the strangen	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

09/10/2014

Sample	TO.	C	#0-7	(440	1772	E_A	71

Chloride

Chloride, SM4500CI-B mg/kg		/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/10/2014	ND	416	104	400	0.00	

ND

## Sample ID: S #9-5 (H402735-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/10/2014	ND	416	104	400	0.00	

# Sample ID: S #9-7 (H402735-09)

Chloride, SM4500Cl-B mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/10/2014	ND	416	104	400	0.00	

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Project Name:

WILBANKS RANCH (6" FG LINE)

Project Number:

Project Location:

Analyte

Analyte

Analyte

Analyte

Analyte

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes) Kathy Perez

09/02/2014

Sample ID: S #9-9 (H402735-10)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

112

Result

<16.0

Analyzed By: AP

Result Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Analyzed 09/10/2014

Analyzed

09/10/2014

Analyzed

Analyzed

09/10/2014

Method Blank ND

Method Blank

ND

BS 416 % Recovery 104

True Value QC 400

RPD

0.00

Oualifier

Sample ID: SW #11-1 (H402735-11)

Chloride, SM4500CI-B

mg/kg

mg/kg

Analyzed By: AP

BS

416

% Recovery

104

True Value QC

400

RPD Qualifier

Sample ID: SW #11-3 (H402735-12)

Chloride, SM4500CI-B

Analyzed By: AP

Method Blank ND

BS

RPD

0.00

Qualifier

Chloride

Chloride

Chloride

Result 32.0

Result

16.0

Result

256

09/10/2014 16.0

416

% Recovery 104

True Value QC 400

0.00

Sample ID: SW #11-5 (H402735-13)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS 416 % Recovery 104

True Value QC 400

RPD

0.00

Qualifier

Sample ID: SW #11-7 (H402735-14)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

16.0

Reporting Limit

Analyzed 09/10/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC

400

RPD 0.00

Qualifier

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Received: Reported:

09/04/2014

09/11/2014

Project Name: Project Number: WILBANKS RANCH (6" FG LINE)

Project Location:

Analyte

Analyte

Analyte

Analyte

Analyte

NONE GIVEN EDDY COUNTY, NM Sampling Date:

Sampling Type:

Sample Received By:

Soil

Sampling Condition:

** (See Notes)

Kathy Perez

09/02/2014

Sample ID: SW #11-9 (H402735-15)

Chloride, SM4500CI-B

Chloride

mg/kg

Analyzed By: AP

Result Reporting Limit 288 16.0

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

16.0

Analyzed 09/10/2014

Analyzed

09/10/2014

Method Blank ND

BS 416

BS

416

% Recovery 104

True Value QC 400

**RPD** 

0.00

Sample ID: S #6-1 (H402735-16)

Chloride, SM4500CI-B

mg/kg

Result

32.0

Analyzed By: AP

Method Blank

ND

% Recovery

104

True Value QC

400

RPD

Qualifier

Qualifier

Sample ID: S #6-3 (H402735-17)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

BS

% Recovery

RPD

0.00

0.00

Qualifier

Chloride

Chloride

Chloride

Chloride

Result 672

Result

432

Result

5760

16.0

Analyzed 09/10/2014

Analyzed

09/10/2014

ND

ND

416

BS

416

BS

416

104

True Value QC 400

Sample ID: S #6-5 (H402735-18)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

% Recovery

104

% Recovery

104

True Value QC

400

400

RPD

0.00

Qualifier

Sample ID: S #6-7 (H402735-19)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Reporting Limit

Analyzed 09/10/2014 Method Blank ND

True Value QC

RPD 0.00 Qualifier

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Chloride

09/04/2014

Sampling Date:

09/02/2014

Reported:

09/11/2014

Sampling Type:

Soil

True Value QC

400

Project Name:

WILBANKS RANCH (6" FG LINE)

16.0

Sampling Condition:

% Recovery

104

** (See Notes)

RPD

0.00

Qualifier

Project Number:

NONE GIVEN

Sample Received By:

BS

416

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: S #6-9 (H402735-20)

Chloride, SM4500CI-B	mg/kg	Αı

hloride, SM4500CI-B	mg,	/kg	Analyzed By: AP		
Analyte	Result	Reporting Limit	Analyzed	Method	

4880

Sample ID: S #8-1 (H402735-21)

Chloride, SM4500CI-B	mg	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/10/2014	ND	416	104	400	0.00	

09/10/2014

Method Blank

ND

# Sample ID: S #8-3 (H402735-22)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					Maria a constituta de la constitución de la constit
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/10/2014	ND	416	104	400	0.00	

# Sample ID: S #8-5 (H402735-23)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/10/2014	ND	416	104	400	0.00	

## Sample ID: S #8-7 (H402735-24)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/10/2014	ND	416	104	400	0.00	

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Sampling Date:

09/02/2014

Reported:

Sampling Type:

Soil

Project Name:

09/11/2014

** (See Notes)

WILBANKS RANCH (6" FG LINE) NONE GIVEN

Sampling Condition: Sample Received By:

Kathy Perez

Project Number: Project Location:

EDDY COUNTY, NM

Sample ID: S #8-9 (H402735-25)

Chladde	CHAFOOCI P
Chionae.	SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Analyte

Analyte

Analyte

Result

Reporting Limit

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed

Method Blank

BS 416 % Recovery

True Value QC

Qualifier

Chloride

1140

16.0

09/10/2014

Analyzed

ND

104

400

RPD

0.00

Sample ID: SW #10-1 (H402735-26)

Chloride, SM4500CI-B

mg/kg

mg/kg

Analyzed By: AP

BS

% Recovery

Chloride

Result 80.0

16.0 09/10/2014 Method Blank ND

416

104

True Value QC 400

Qualifier 0.00

Sample ID: SW #10-3 (H402735-27)

Chloride, SM4500Cl-B

Analyzed By: AP

Chloride

Chloride

Chloride

Result 304

Result

368

Result

1100

16.0

Analyzed 09/10/2014 Method Blank ND

BS 416 % Recovery 104

True Value QC

RPD

RPD

Qualifier

Analyzed By: AP

400

0.00

Sample ID: SW #10-5 (H402735-28)

Chloride, SM4500CI-B

mg/kg

Reporting Limit

Analyzed 09/10/2014

Analyzed

09/10/2014

Method Blank ND

BS 416 % Recovery

True Value QC

RPD

Qualifier

Sample ID: SW #10-7 (H402735-29)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS

416

104

% Recovery

104

400

True Value QC

400

0.00

RPD

0.00

Qualifier

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Fax To:

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Analyzed By: AP

Received:

09/04/2014

Sampling Date:

09/02/2014

Reported:

Chloride, SM4500CI-B

09/11/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

mg/kg

Sample ID: SW #10-9 (H402735-30)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	09/10/2014	ND	416	104	400	0.00	
Sample ID: N #14-1 (H402735	5-31)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/10/2014	ND	416	104	400	0.00	
Sample ID: N #14-3 (H402735	5-32)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/10/2014	ND	416	104	400	0.00	
Sample ID: N #14-5 (H402735	5-33)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/10/2014	ND	416	104	400	0.00	
Sample ID: N #14-7 (H402735	5-34)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		NO. 111 P. S. O. VI		- total and the second	

Chioride, SM4500CI-B	mg	/ kg	Anaiyze	u by: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/10/2014	ND	416	104	400	0.00	

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Sampling Date:

09/02/2014

Reported:

09/11/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

RPD

0.00

Qualifier

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

Sample ID: N #14-9 (H402735-35)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	
Chloride	144	16.0	09/10/2014	ND	416	104	400	
Sample ID: N #13-1 (H40	2735-36)							

# Chlasida CM4E00CL B

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/10/2014	ND	416	104	400	0.00	

#### Sample ID: N #13-3 (H402735-37)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/10/2014	ND	416	104	400	0.00	

#### Sample ID: N #13-5 (H402735-38)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/10/2014	ND	416	104	400	0.00	

## Sample ID: N #13-7 (H402735-39)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					12 
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/10/2014	ND	416	104	400	0.00	

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Received:

09/04/2014

Sampling Date:

09/02/2014

Reported:

09/11/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

Analyte

Analyte

Analyte

Analyte

EDDY COUNTY, NM

Sample ID: N #13-9 (H402735-40)

Chl	lori	de,	SM	145	000	I-B

#### mg/kg

Analyzed By: AP

Analyzed

Analyzed

Analyzed

Method Blank

RS

% Recovery 104

104

True Value QC

Qualifier

Chloride

Result 256

16.0 09/10/2014

Reporting Limit

Reporting Limit

ND

416

400

RPD

0.00

RPD

0.00

Sample ID: N #12-1 (H402735-41)

Chloride, SM4500CI-B

#### mg/kg

#### Analyzed By: AP

% Recovery

Chloride

Result <16.0

16.0 09/10/2014 Method Blank ND

BS 416 True Value QC 400

Qualifier

Sample ID: N #12-3 (H402735-42)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Chloride

Chloride

Chloride

Result 32.0

16.0

Reporting Limit

09/10/2014

Method Blank ND

416

True Value QC

RPD

Qualifier

Sample ID: N #12-5 (H402735-43)

mg/kg

Analyzed By: AP

ND

BS

432

BS

104

% Recovery

400

0.00

Chloride, SM4500CI-B

Result

16.0

Reporting Limit

16.0

Analyzed

09/10/2014

Method Blank

% Recovery

108

True Value QC

400

RPD 3.77 **Oualifier** 

Sample ID: N #12-7 (H402735-44)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

64.0

Reporting Limit

16.0

Analyzed 09/10/2014 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

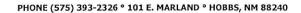
RPD 3.77 Qualifier

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Fax To:

(505) 748-4635

Received:

09/04/2014

Sampling Date:

09/02/2014

Reported:

09/11/2014

Sampling Type:

Soil

Project Name:

WILBANKS RANCH (6" FG LINE)

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Kathy Perez

Project Location:

EDDY COUNTY, NM

## Sample ID: N #12-9 (H402735-45)

Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP	-				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/10/2014	ND	432	108	400	3.77	

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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

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ORDER #: 4402735 (lab use only) Special Instructions: Relinquished by: Reinquished by: Relinquished by: LAB # (lab use only) 0 Sampler Signature: City/State/Zip: Company Address: Company Name Project Manager: Telephone No: ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 HELD CODE S #9-5 S #7-1 S #9-3 S #7-5 S #7-3 S S S 105 South 4th Street #7-9 **#7-7** Amber Cannon #9-9 #9-7 #9-1 Artesia, NM 88210 Yates Petroleum Corporation 575-748-4111 molex Page 1 of 5 9/4/14 Date SONO Beginning Depth S ω --ထ 7 Ŋ ω 7 ime Time Ime ιÖ Ω w **Ending Depth** o, വ ယ္ခ --7 7 (505) 393-2326 FAX (505) 393-2476 Received by ELOT: 9/2/2014 9/2/2014 9/2/2014 9/2/2014 9/2/2014 9/2/2014 9/2/2014 9/2/2014 9/2/2014 9/2/2014 Date Sampled 8:55 AM 10:59 AM 9:46 AM 9:21 AM 9:14 AM 9:07 AM 8:52 AM 8:50 AM 9:29 AM 12:00 AM Fax No: Time Sampled e-mail: Field Filtered Total #. of Containers acannon@yatespetroleum.com _ Ice HNO₃ HCI CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST H2504 NaOH Na₂S₂O₃ None Other (Specify) Date DW=Drinking Water SL=Sludge Report Format: GW = Groundwater S=Soil/Solid S S S S S S S S S S Project Name: NP=Non-Potable Specify Other Project Loc: 0 Project #: TPH: 418.1 8015M 8015 Time PO#: TX 1005 TX 1006 Labels on container(s)
Custody seals on cooler(s)
Custody seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS [ Cations (Ca, Mg, Na, K) Temperature Upon Receipt: Sample Containers Intact? VOCs Free of Headspace? Laboratory Comments: x Standard Anions (CI, SO4, Alkalinity) TOTAL TCLP SAR / ESP / CEC Wilbanks Ranch (6" FG Line) Metals: As Ag Ba Cd Cr Pb Hg Se Analyze For: Volatiles Semivolatiles Eddy County BTEX 8021B/5030 or BTEX 8260 205-2020 TRRP RCI N.O.R.M. FedEx Cone Star Chlorides × × × × × × SAR NPDES

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

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Telephone No:

575-748-4111

Fax No: e-mail:

acannon@yatespetroleum.com

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