August 14, 2012

RECEIVED
AUG 1 4 2012
NMOCD ARTESIA

Mr. Mike Bratcher Oil Conservation Division Artesia, NM

Re:

Santa Fe Land SWD #1

30-015-20501

Section 17, T19S-R26E Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corp. would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated August 8, 2012.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of August 28, 2012.

If you have any questions call me at 575-748-4311

Thank you.

Yates Petroleum Corporation

Jeremy Haass Environmental Regulatory Agent

Enclosure(s):

Diagram of Location Analytical Report H201822 Yates Petroleum Corporation
Santa Fe Land SWD #1
Section 17, T19S-R26E
Eddy County, New Mexico
August 14, 2012

#### I. Location

Take Highway 285 south out of Artesia, NM to Rocking R Road and turn right then first right takes you to location.

### II. Background

On July 30, 2012 a release occurred of 200 B/PW of which 180 B/PW was recovered. Yates submitted a C-141 on August 8, 2012 to the NMOCD District II office. The total affected area was 40 yards x 100 yards. Initial delineation samples were taken (8/3/12) and sent to an NMOCD approved laboratory.

#### III. Surface and Ground Water

Area surface geology is Cenozoic. The nearest Depth to Groundwater record listed on the Chevron Texaco Trend Map (Section 17, T19S-R26E) shows depth of groundwater to be approximately 116 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the as following:

Depth to ground water > 100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

#### IV. Soils

The area consists of soils that are caliche and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

### V. Scope of Work

Upon approval of this work plan and based on the enclosed analytical results, Yates Petroleum Corp. will have a contractor excavate 5' from sample area S1 and 2' from sample area S2 of impacted soil. Impacted soils will be taken to an NMOCD approved facility for disposal. The S1 area has a solid natural rock layer at approximately 5' which impeded the movement of chlorides any further down. All impacted material will be removed above the rock layer and hauled to an NMOCD approved facility for disposal and will be backfilled with like material. Finally a liner will be placed over both S1 and S2 areas to protect against future releases.

# YATES PETROLEUM CORPORATION

8/14/2012 Santa Fe Land Improvement SWD #1 API # 30-015-20501 **S1** 

. An	alytical Report- H201822	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
#2 to 2	S1 2" °	8/3/2012	2'	ND	ND	24.7	24.7	3200
	S1 4°°	8/3/2012	4'	ND	ND	ND	ND_	5600
	S1 5°°	8/3/2012	5'	ND	ND N	ND	ND	9280

S2 2° °	8/3/2012	2'	ND	ND	ND	ND	6800
S2 4'	8/3/2012	4'	ND	ND	ND	ND	672
S2 6′	8/3/2012	6'	ND	ND	ND	ND	2960
S2 8'	8/3/2012	8'	ND	ND	ND	ND	960

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 116', per Trend Map).

All results are ppm.Chlorides for documentation.

Released: 200 B/PW; Recovered: 180 B/PW. Release Date: 7/30/2012

o and Red indicate soil was removed



August 11, 2012

JEREMY HAASS

Yates Energy Petroleum Corp 105 S 4th Street

Artesia, NM 88210

RE: SANTA FE LAND SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 08/06/12 13:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey & Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

Reported:

08/11/2012

Project Name: Project Number: SANTA FE LAND SWD #1

Project Location:

30-015-20501 EDDY COUNTY, NM Sampling Date:

08/03/2012

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: S 1 2' (H201822-01)

BTEX 8021B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/09/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/09/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/09/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromofluorobenzene (PIL	100 %	6 89.4-12	6						
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	24.7	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	92.8 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.3 %	63.6-15	4						

#### Cardinal Laboratories

\*=Accredited Analyte

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Celey & Kune



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

Sampling Date:

08/03/2012

Reported:

08/11/2012

Sampling Type:

Soil

Project Name:

SANTA FE LAND SWD #1

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

30-015-20501

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: S 1 4' (H201822-02)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/10/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/10/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/10/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromofluorobenzene (PIL	94.7	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	<10.0	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	95.49	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	94.19	% 63.6-15	4						Ť

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Celey D. Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

Sampling Date:

08/03/2012

Reported:

08/11/2012

Sampling Type:

Soil

Project Name:

SANTA FE LAND SWD #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-20501

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: S 1 5' (H201822-03)

BTEX 8021B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/10/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/10/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/10/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromofluorobenzene (PIL	98.6	% 89.4-12	б						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	<10.0	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	95.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.8	% 63.6-15	4						

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Celing & Kune



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

Sampling Date:

08/03/2012

Reported:

08/11/2012

Soil

Project Name:

Sampling Type:

Cool & Intact

SANTA FE LAND SWD #1

Sampling Condition: Sample Received By:

Jodi Henson

Project Number:

30-015-20501

Project Location: EDDY COUNTY, NM

Sample ID: S 2 2' (H201822-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/10/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/10/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/10/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromoflyorobenzene (PIL	116%	6 89.4-12	6						
TPH 8015M	mg/l	kg	Analyze	d By: MS			· · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	<10.0	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	96.5 %	6 65.2-14	o						,,
Surrogate: 1-Chlorooctadecane	98.6%	63.6-15	4						

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Celey & Keene



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

Sampling Date:

08/03/2012

Reported:

08/11/2012

Sampling Type:

Project Name:

SANTA FE LAND SWD #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-20501

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: S 2 4' (H201822-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/10/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/10/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/10/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromofluorobenzene (PIL	100 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	<10.0	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	95.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	96.3	% 63.6-15	4						

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Celey & Kune



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To: (505) 748-4635

Received:

08/06/2012

Sampling Date:

08/03/2012

Reported:

08/11/2012

Sampling Type:

Soil

Project Name:

SANTA FE LAND SWD #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-20501

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

Sample ID: S 2 6' (H201822-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/10/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/10/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/10/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromofluorobenzene (PIL	99.9 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	<10.0	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	100 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 %	6 63.6-15	4						

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Celey D. Kuna



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

Sampling Date:

08/03/2012

Reported:

08/11/2012

Sampling Type:

Soil

Project Name:

SANTA FE LAND SWD #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-20501

Sample Received By:

Jodi Henson

Project Location:

EDDY COUNTY, NM

#### Sample ID: S 2 8' (H201822-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2012	ND	1.78	89.1	2.00	4.23	
Toluene*	<0.150	0.150	08/10/2012	ND	1.99	99.7	2.00	3.98	
Ethylbenzene*	<0.050	0.050	08/10/2012	ND	1.96	98.2	2.00	3.75	
Total Xylenes*	<0.150	0.150	08/10/2012	ND	5.88	98.0	6.00	3.30	
Surrogate: 4-Bromofluorobenzene (PIL	98.1 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/07/2012	ND	179	89.7	200	0.339	
DRO >C10-C28	<10.0	10.0	08/07/2012	ND	174	87.1	200	1.36	
Surrogate: 1-Chlorooctane	92.1 %	65.2-14	)						
Surrogate: 1-Chlorooctadecane	93.2 9	63.6-15	4						

Cardinal Laboratories

\*=Accredited Analyte

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Celegi Kenne



#### **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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Celing & Keine

#### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST



## ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

	Project Manager: Jeremy	Haass			<u> </u>										P	roject	Nan	ne:_			Šai	nta	Fel	an	d SV	/D		
	Comp: (505) 393-232( Yates P	etroleum Corporation	n :				·. ·		•		•	· ·				Pr	oject	#: <u>3</u>	0-01	5-20	)50 <u>1</u>	, 	<u> </u>		· .			
	Company Address: 105 Soc	uth 4th Street								. '	٠.	7.				Proje	ct L	oc:_	<u> </u>				Ed	ldy				
	City/State/Zip: Artesia,	NM 88210					;	· ·		: :	<u>.                                    </u>	· .* -	٠				PC	#: <u>1</u>	03-26	336				<u>.</u>				
	Telephone No: 575-748	8-4311			· · · · · · · · · · · · · · · · · · ·	Fax No:	·. ·						• • •	· ·.	Repo	rt Fo	rmat	: [	∝ st	andai	d		Эτ	RRF	<b>.</b>		NPD	ES
	Sampler Signature:	JD . S	$\leq$			e-mail:	i	haa	ass(	<u>@</u> у	ates	spet	role	um	.com						÷		•					
(lab use	onk/i															-			70.7	سننب	nalyze	For	r:		<u> </u>	<del>,                                    </del>	-	
													. :						TCLF		H	+	$\dashv$				:	£.
ORDE	* H201822								Pre	serva	ition &	# of Co	ntaine	rs	Matrix			T					1	1				22 2
LAB # (lab use only)	FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	₽.	rotal #. of Containers	ice HNO,	HCI.	H,SO4	NaOH	Na;S;U; None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other TPH: 418:1 8015M Suria	TPH: TX 1005 TX 1006	(Ca, Mg.	Anons (Ci. SO4, Alkalinity) SAR / ESP / CEC.	1 2	Volatiles	mivolatiles	당기교( 602년(4/5030 or BTEX 8260 501	ALC DIE	N.O.K.M. Chlorides	SAR		RUSH TAT (Pre-Schedule) 24.4 Standard TAT
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August 13, 2012

JEREMY HAASS Yates Energy Petroleum Corp 105 S 4th Street Artesia, NM 88210

RE: SANTA FE LAND SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 08/06/12 13:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 08/06/2012

08/13/2012

SANTA FE LAND SWD #1

Project Number: Project Location:

Project Name:

30-015-20501 EDDY COUNTY, NM Sampling Date: Sampling Type: 08/03/2012

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: S 1 2' (H201822-01)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	08/13/2012	ND	400	100	400	3.92	
Sample ID: S 1 4' (H201	822-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	08/13/2012	ND	400	100	400	3.92	
Sample ID: S 1 5' (H201	822-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9280	16.0	08/13/2012	ND	400	100	400	3.92	
Sample ID: S 2 2' (H201	822-04)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	08/13/2012	ND	400	100	400	3.92	

#### Cardinal Laboratories

\*=Accredited Analyte

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

Celey & Keine



Yates Energy Petroleum Corp JEREMY HAASS 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

08/06/2012

08/13/2012

Sampling Date:

08/03/2012

Reported:

Sampling Type:

Soil

Project Name:

SANTA FE LAND SWD #1

Sampling Condition:

Cool & Intact

Project Number:

30-015-20501

Sample Received By:

Jodi Henson

Project Location:

Analyte

Analyte

EDDY COUNTY, NM

Sample ID: S 2 4' (H201822-05)

Chloride	SM4500CI-B	

mg/kg		
1119/ NS	,	

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

апухео ву: пм

Method Blank

% Recovery

True Value QC

Qualifier

Chloride

Chloride

Chloride

Result

Result

2960

Result

960

16.0 08/13/2012

Analyzed

Analyzed

08/13/2012

ND

BS 400

100

100

% Recovery

104

400

Quai

Sample ID: S 2 6' (H201822-06)

mg/kg

Analyzed By: HM

Method Blank

ND

BS

400

% Recovery True Value OC

RPD

3.92

RPD

3.92

Qualifier

Sample ID: S 2 8' (H201822-07)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: HM

Analyzed 08/13/2012

Method Blank
ND

BS

416

True Value QC

400

RPD 0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Kune



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

Chloride by 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 & Keine



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	Company Address:										Project Loc:							ia.	Eddy													
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	Telephone No:	Artesia, NM 88210 575-748-4311				· · · · · · · · · · · · · · · · · · ·	Fax No:							7 1			. Re	eport	For	mat:	- : [	x]s	tand	ard	-		TRR	₹P	E	NF	DES	 3
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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST