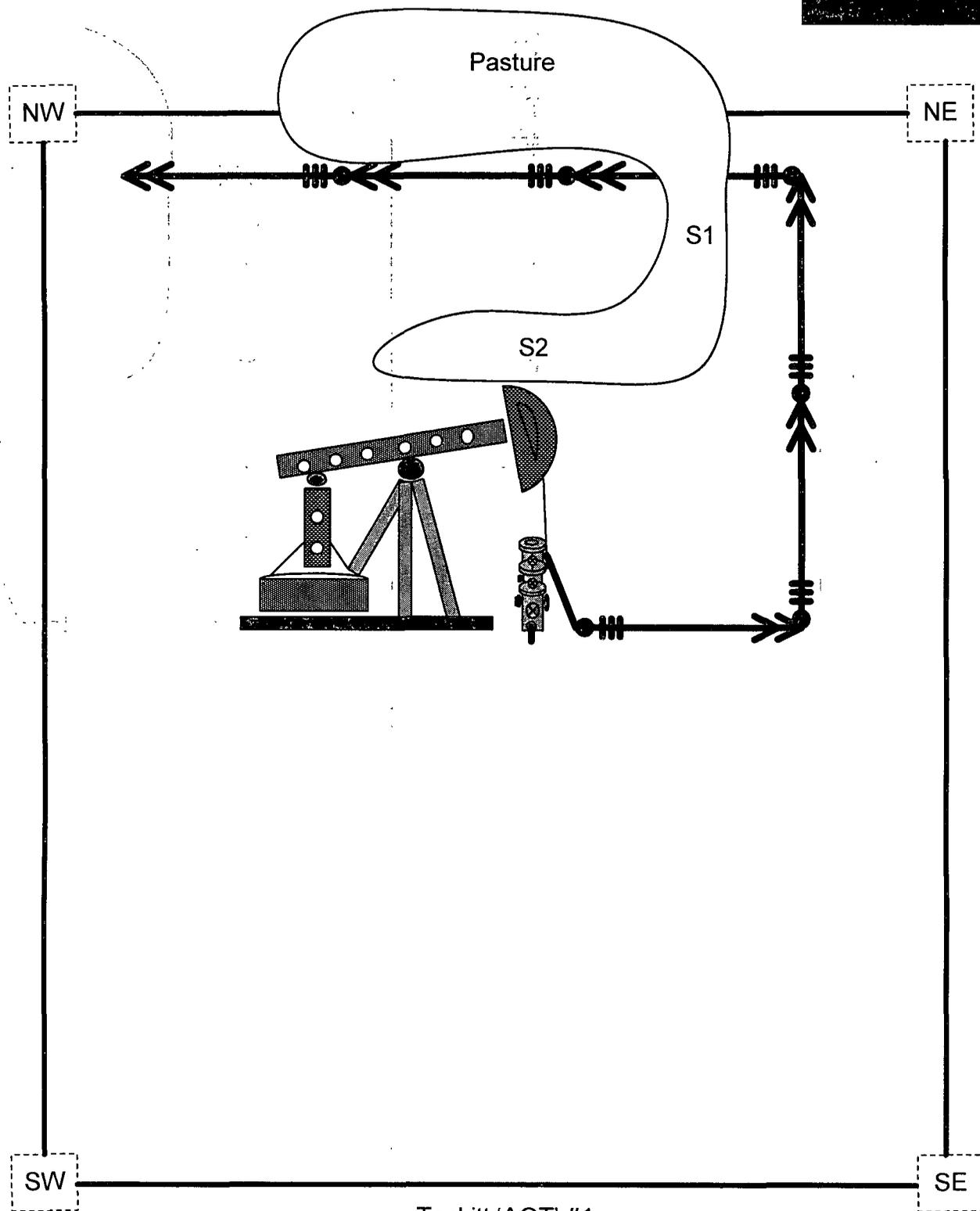


YATES PETROLEUM CORPORATION

Tuesday, May 15, 2012



Tackitt 'AOT' #1
API # 30-015-28150
Eddy, NM

Analytical Report H201014	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1 2'	5/2/2012	2'	ND	ND	ND	ND	544
S1 4'	5/2/2012	4'	ND	ND	ND	ND	384
S2 2'	5/2/2012	2'	ND	ND	ND	ND	80
S2 4'	5/2/2012	4'	ND	ND	13.7	13.7	208
PASTURE 2'	5/2/2012	2'	ND	ND	ND	ND	352
PASTURE 4'	5/2/2012	4'	ND	ND	ND	ND	688

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 125', per Trend Map).

All results are ppm.Chlorides for documentation.

Released: 3 B/PW & 7 B/O; Recovered: 2 B/PW & 3 B/O. Release Date: 4/17/2012

May 10, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: TACKITT 'AOT' #1

Enclosed are the results of analyses for samples received by the laboratory on 05/03/12 11:20.

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

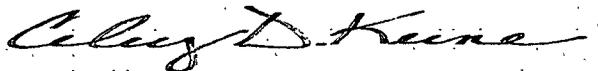
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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.

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

Analytical Results For:

 Yates Energy Petroleum Corp
 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	05/03/2012	Sampling Date:	05/02/2012
Reported:	05/10/2012	Sampling Type:	Soil
Project Name:	TACKITT 'AOT' #1	Sampling Condition:	Cool & Intact
Project Number:	30-015-28150	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 2' (H201014-01)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94		
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95		
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94		

Surrogate Dibromofluoromethane 88.3% 61.3-142

Surrogate Toluene-d8 95.8% 71.3-129

Surrogate: 4-Bromofluorobenzene 86.1% 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	05/07/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05		
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21		

Surrogate 1-Chlorooctane 86.1% 55.5-154

Surrogate 1-Chlorooctadecane 90.9% 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/03/2012
 Reported: 05/10/2012
 Project Name: TACKITT 'AOT' #1
 Project Number: 30-015-28150
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 1 4' (H201014-02)
BTEX 8260B

mg/kg

Analyzed By: CMS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate Dibromofluoromethane 87.1 % 61.3-142

Surrogate. Toluene-d8 94.5 % 71.3-129

Surrogate. 4-Bromofluorobenzene 86.4 % 65.7-141

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/07/2012	ND	400	100	400	0.00	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21	

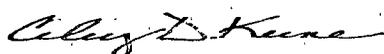
Surrogate 1-Chlorooctane 91.4 % 55.5-154

Surrogate 1-Chlorooctadecane 109 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/03/2012
 Reported: 05/10/2012
 Project Name: TACKITT 'AOT' #1
 Project Number: 30-015-28150
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 2 2' (H201014-03)

BTX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94		
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95		
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94		

Surrogate Dibromofluoromethane 87.6 % 61.3-142

Surrogate Toluene-d8 96.2 % 71.3-129

Surrogate 4-Bromofluorobenzene 87.6 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/07/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05		
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21		

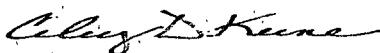
Surrogate 1-Chlorooctane 89.3 % 55.5-154

Surrogate 1-Chlorooctadecane 88.2 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/03/2012
 Reported: 05/10/2012
 Project Name: TACKITT 'AOT' #1
 Project Number: 30-015-28150
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 2 4' (H201014-04)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate: Dibromofluoromethane 86.9% 61.3-142

Surrogate Toluene-d8 96.1% 71.3-129

Surrogate 4-Bromofluorobenzene 86.1% 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/07/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	13.7	10.0	05/09/2012	ND	173	86.7	200	3.21	

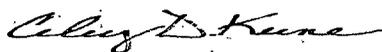
Surrogate 1-Chlorooctane 93.8% 55.5-154

Surrogate 1-Chlorooctadecane 104% 57.6-158

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/03/2012
 Reported: 05/10/2012
 Project Name: TACKITT 'AOT' #1
 Project Number: 30-015-28150
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PASTURE 2' (H201014-05)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94	
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95	
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94	

Surrogate Dibromofluoromethane 86.5 % 61.3-142

Surrogate Toluene-d8 99.1 % 71.3-129

Surrogate 4-Bromofluorobenzene 87.6 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/07/2012	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05	
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21	

Surrogate 1-Chlorooctane 100 % 55.5-154

Surrogate 1-Chlorooctadecane 116 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/03/2012
 Reported: 05/10/2012
 Project Name: TACKITT 'AOT' #1
 Project Number: 30-015-28150
 Project Location: EDDY COUNTY, NM

 Sampling Date: 05/02/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PASTURE 4' (H201014-06)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2012	ND	2.24	112	2.00	3.94		
Toluene*	<0.050	0.050	05/09/2012	ND	2.09	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	05/09/2012	ND	1.96	97.8	2.00	5.95		
Total Xylenes*	<0.150	0.150	05/09/2012	ND	6.29	105	6.00	5.94		

Surrogate Dibromofluoromethane 85.3 % 61.3-142

Surrogate: Toluene-d8 95.4 % 71.3-129

Surrogate 4-Bromofluorobenzene 84.4 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	05/07/2012	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/09/2012	ND	183	91.3	200	5.05		
DRO >C10-C28	<10.0	10.0	05/09/2012	ND	173	86.7	200	3.21		

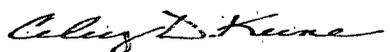
Surrogate: 1-Chlorooctane 101 % 55.5-154

Surrogate 1-Chlorooctadecane 96.7 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

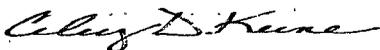
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

