YATES PETROLEUM CORPORATION

Foster AN #2 & #3 Battery Prop #025900-B01 Monday, July 30, 2012

NW RECEIVED AUG 02 2012 NMOCD ARTESIA Centurion Gas Line■

Foster AN #2 Battery

Analytical Report-	Sample Date	Depth	ВТЕХ	GRO	DRO	TOTĂL.	Chlorides
S1-3'	7/17/2012	3'	ND	ND	ND	ND	128
S1-5'	7/17/2012	5'	ND	ND	ND	ND	128
S1-7'	7/17/2012	7'	ND	ND	ND	ND	160

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 300', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 145 B/PW, Recovered: 130 B/PW. Release Date: 7/12/2012



July 30, 2012

LUPE CARRASCO
Yates Energy Petroleum Corp
105 S 4th Street
Artesia, NM 88210

RE: FOSTER AN #2 & #3 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/23/12 14:35.

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

Celes To 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 Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/23/2012

Sampling Date:

07/17/2012

Reported:

07/30/2012

Sampling Type:

Soil

Project Name:

FOSTER AN #2 & #3 BATTERY

Reporting Limit

16.0

Sampling Condition:

Cool & Intact

Project Number:

103-163

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S1 - 3' (H201697-01)

Chlorida	SM4500CI-B
Cittoriue.	311430001-0

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mu		ĸч

Analyzed By: AP

-,	3		
Analyte	Result	Reporting Limit	Analyzed

Method Blank

% Recovery 100

True Value QC

Qualifier

Chloride

128

Result

128

16.0 07/27/2012 ND

400

400

Sample ID: S1 - 5' (H201697-02)

loride,	SM4500CI-B

Analyte

mg/kg

Analyzed By: AP

True Value QC

400

Chloride

Chloride

Analyzed 07/27/2012 Method Blank ND

400

BS

100

% Recovery

RPD 3.92

RPD

3.92

Qualifier

Sample ID: S1 - 7' (H201697-03)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed
	160	16.0	07/27/2012

2

Method Blank ND

BS 400 % Recovery 100

True Value QC 400 3,92

RPD

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celeg E. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4



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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Celeg & Keene



ARDINAL LABORATORIES 101 East Marland, Hobbs. NM 88240

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

1	Project Manager:	Lupe Carrasco	ne Carrasco													Proj	ect	Nam	e:		F	ost	er A	N #2	2 &	#3	Bati	ery				
	Compa (505) 393-2326	Yates Petroleum	Corporation	1															Pro	ject	#:											
	Company Address:	105 South 4th S	treet	- WIA		17												Pi	roje	ct Lo	oc: _											
	City/State/Zip.	Artesia, NM 88	210												_					РО	PO#: 103-163											
	Telaphone No:	575-748-4350					Fax No:										Re	eport	For	mat:	: [×s	tanda	ard			TRF	۲P		⊒и	PDES	S
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LAB # (lab use only)	FIE	LD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #, of Containers	lce	HNO ₃	HCI	H ₂ SO ₄	Na ₂ S ₂ O ₃	None		DW≂Drmking Water SL≍	GW = Grounowater S=SoitSoid NP=Non-Patable Speaty Other	8015	TPH: TX 1005	Cations (Ca, Mg, Na, K)	Antons (CI, SO4, Aika	Metais: As Aq Ba Cd Cr P5	Volatiles	Semivalatiles	9030	RCI	N O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24.	Standard TAT
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July 30, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp 105 S 4th Street

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Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

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Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Yates Energy Petroleum Corp LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received:

07/23/2012

Sampling Date:

07/17/2012

Reported:

Soil

07/30/2012

Sampling Type:

Project Name:

FOSTER AN #2 & #3 BATTERY

Sampling Condition:

Cool & Intact

Project Number:

103-163

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S1 - 3' (H201697-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: AP					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2012	ND	1.86	93.1	2.00	0.467	
Toluene*	<0.050	0.050	07/27/2012	ND	1.88	93.9	2.00	0.0101	
Ethylbenzene*	<0.050	0.050	07/27/2012	ND	1.92	95.8	2.00	0.396	
Total Xylenes*	<0.150	0.150	07/27/2012	ND	5.76	95.9	6.00	0.493	
Surrogate 4-Bromofluorobenzene (PIL	103 %	% 89. <i>4</i> -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	<50.0	50.0	07/26/2012	ND	194	97.2	200	4.53	
DRO >C10-C28	<50.0	50.0	07/26/2012	ND	222	111	200	11.1	
Surrogate 1-Chlorooctane	73 3 %	65 2-14	0					 	
Surrogate: I-Chlorooctadecane	104 %	63.6-15	4						

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Celeg D. Keere



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07/23/2012

Sampling Date:

07/17/2012

Reported:

07/30/2012

Sampling Type:

Soil

Project Name:

FOSTER AN #2 & #3 BATTERY

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Number:

103-163

Project Location:

NOT GIVEN

Sample ID: S1 - 5' (H201697-02)

BTEX 8021B	mg/	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2012	ND	1.86	93.1	2.00	0.467	
Toluene*	<0.050	0.050	07/27/2012	ND	1.88	93.9	2.00	0.0101	
Ethylbenzene*	<0.050	0.050	07/27/2012	ND	1.92	95.8	2.00	0.396	
Total Xylenes*	<0.150	0.150	07/27/2012	ND	5.76	95.9	6.00	0.493	
Surrogate: 4-Bromofluorobenzene (PIL	103 %	89 4-12	6						
TPH 8015M	mg/k	rg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	07/26/2012	ND	194	97.2	200	4.53	
DRO >C10-C28	<50.0	50.0	07/26/2012	ND	222	111	200	11.1	
Surrogate: 1-Chlorooctane	948%	65 2-14)						
Surrogate 1-Chlorooctadecane	123 %	63 6-15-	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



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Fax To:

(505) 748-4635

Received:

07/23/2012

Sampling Date:

07/17/2012

Reported:

Sampling Type:

Soil

07/30/2012

Cool & Intact

Project Name:

FOSTER AN #2 & #3 BATTERY

Sampling Condition: Sample Received By:

Jodi Henson

Project Number:

103-163

Project Location:

NOT GIVEN

Sample ID: S1 - 7' (H201697-03)

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	07/27/2012	ND	1.86	93.1	2.00	0.467	
Toluene*	<0.050	0.050	07/27/2012	ND	1.88	93.9	2.00	0.0101	
Ethylbenzene*	<0.050	0.050	07/27/2012	ND	1.92	95.8	2.00	0.396	
Total Xylenes*	<0.150	0.150	07/27/2012	ND	5.76	95.9	6.00	0.493	
Surrogate 4-Bromofluorobenzene (PIL	103 %	6 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	<50.0	50.0	07/26/2012	ND	194	97.2	200	4.53	
DRO >C10-C28	<50.0	50.0	07/26/2012	ND	222	111	200	11.1	
Surrogate 1-Chlorooctane	84.7 %	65.2-140	9						
Surrogate: 1-Chlorooctadecane	118 %	63 6-15	4						

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Celeg & Keens



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by 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 D. Keene

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

	Project Manager: Lupe Carrasco														Proj	ect	Nam	:e:			Fos	ster .	۸N #	2 &	#3	Batt	tery				
	Compa (505) 393-2326 Ya	tes Petroleum Corporatio	n															Pro	ject	#:_											
	Company Address: 10	5 South 4th Street			· · · · · · · · · · · · · · · · · · ·									,			Pr	ojec	:t Lc	oc: _											
	City/State/Zip: Art	tesia, NM 88210												_						#: 1											
	Telephone No: 57	5-748-4350				Fax No:										R	eport	For	mat:	- : [x s	Stand	dard			TRE	₹P		_]n	PDE:	
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AB# (tab use only)	FIELD		Seginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Fillcred	Fotal #, of Containers	lae		Ď.				Other (Specify) DW-Dmhung Water SL-Sudge GW = Grouncwater S-SoulSold MP-Non-Polable Spreaty Other TPH: 418.1 8015M \$1.55 TPH: TX 1005 TX 1006						Anions (Cl, SO4, Alkalinity)	- 1:	Metais: As, Ag Ba Cd Cr P5 Hg 5d	Volatiles Semivolatiles	NIET COL 17/5030 or BTEX 8260	RCI	N.C.R M.	Chlorides	AR	USH TAT (Pre-Schedule) 24.49,	Standard TAT
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