

November 16, 2012

Mr. Mike Bratcher
Oil Conservation Division
Artesia, NM

Re: Nix 'GP' Battery
30-015-21910
Section 22, T18S-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 October 4, 2012.

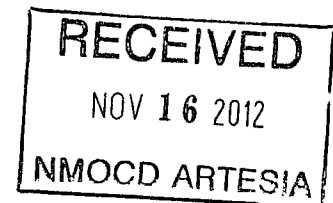
If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of November, 30, 2012.

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

Thank you.

Yates Petroleum Corporation

Jeremy Haass
Environmental Regulatory Agent



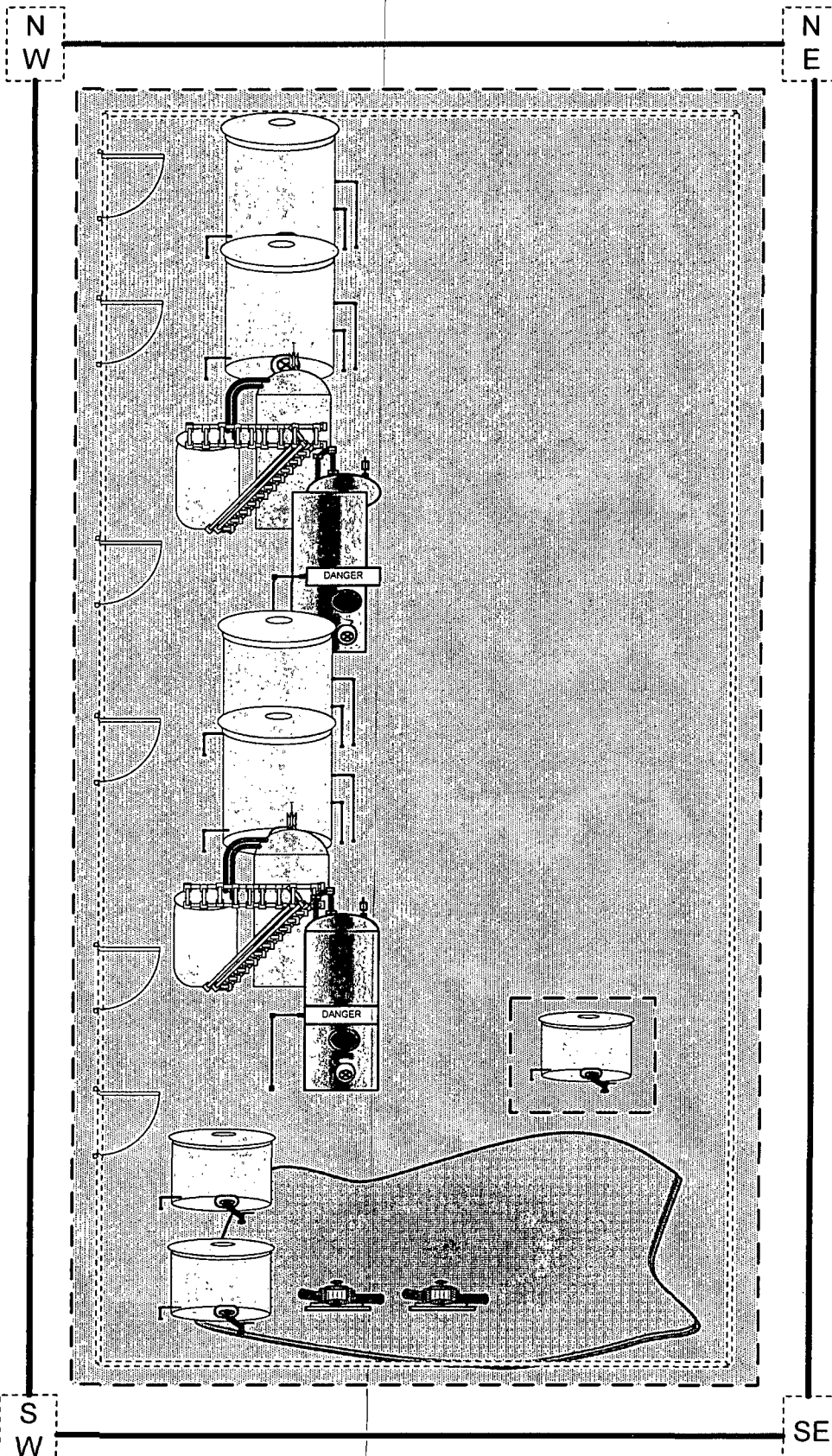
Enclosure(s):

Diagram of Location
Summary of Samples
Analytical Report H202544
Analytical Report H202664
Analytical Report H202734

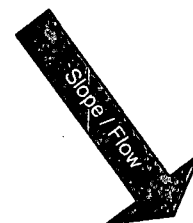
YATES PETROLEUM CORPORATION

NIX GP/Lawrence Battery
API # 30-015-21910

11/16/2012



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NOV 16 2012
NIMCD ARTESIA



Yates Petroleum Corporation

Nix 'GP' Battery Work Plan

Section 22, T18S-R26E

Eddy County, New Mexico

November 16, 2012

I. Location

Go south on 285 turn East (left) on Dayton Rd. then go approximately 1.4 miles turn North (left) on lease road then immediately turn East (right) and follow road to location.

II. Background

On September 22, 2012 a release occurred of 450 B/PW of which 400 B/PW was recovered. Yates submitted a C-141 on October 4, 2012 to the NMOCD District II office. The total affected area was 60 yards x 30 yards. Initial delineation samples were taken (10/17/11, 10/31/12, and 11/7/12) and sent to an NMOCD approved laboratory (results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic. The nearest Depth to Groundwater record listed on the New Mexico Office of the State Engineer (Section 22, T18S-R26E) shows depth of groundwater to be approximately 72 feet making the site ranking for this site a Ten (10). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is Ten (10) 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 backfill 7' of clean soil in Sample Areas 1 and 2 (S1, S2). Sample Area 3 (S3) will have 1' of clean soil backfilled, while Sample Area 4 will have 3' of clean soil backfilled. Impacted soils have already been taken to an NMOCD approved facility for disposal S1=7', S2=7', S3=1', S4=3'. After backfill is completed a Coring Unit will be brought in to further delineate the impacted area for documentation purposes. Once all cleanup work is completed the battery will be lined to impede any movement of Chlorides and to protect against future releases. With the analytical results being within RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of Ten (10) Yates Petroleum Corporation will submit a C-141 Final Report, analytical results and request closure of the site.

Analytical Report- H202544 & 664 & 734	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
*S1 3'	10/17/2012	3'	.24	ND	ND	ND	13200
*S1 5'	10/17/2012	5'	ND	ND	ND	ND	9800
*S1 7'	10/17/2012	7'	ND	ND	ND	ND	6500
S1 10'	11/7/2012	10'	-	-	-	-	640
S1 12'	11/7/2012	12'	-	-	-	-	624
S1 14'	11/7/2012	14'	-	-	-	-	1180
S1 16'	11/7/2012	16'	-	-	-	-	9860

*S2 3'	10/17/2012	3'	116.78	778	263	1041	6800
*S2 5'	10/17/2012	5'	ND	ND	ND	ND	2240
*S2 7'	10/17/2012	7'	ND	ND	ND	ND	6400
S2 10'	11/7/2012	10'	-	-	-	-	8400
S2 12'	11/7/2012	12'	-	-	-	-	10300
S2 14'	11/7/2012	14'	-	-	-	-	22600
S216'	11/7/2012	16'	-	-	-	-	10900

S3 3'	10/31/2012	3'	.236	ND	ND	ND	2080
S3 5'	10/31/2012	5'	ND	ND	ND	ND	6640
S3 7'	10/31/2012	7'	ND	ND	ND	ND	5760
S3 10'	11/7/2012	10'	-	-	-	-	6660
S3 12'	11/7/2012	12'	-	-	-	-	5520
S3 14'	11/7/2012	14'	-	-	-	-	7040

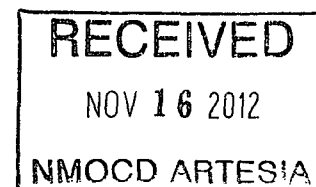
S4 3'	10/31/2012	3'	ND	ND	2450	2450	192
S4 5'	10/31/2012	5'	ND	ND	ND	ND	112
S4 7'	10/31/2012	7'	ND	ND	ND	ND	144

Site Ranking is Zero (10). Depth to Ground Water <100' (approx. 72', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 450 B/PW; Recovered: 400 B/PW. Release Date: 9/22/2012

* Removed and Hauled *



November 12, 2012

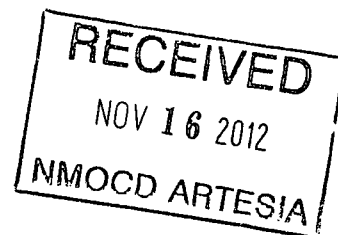
JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: NIX GP BATTERY



Enclosed are the results of analyses for samples received by the laboratory on 11/09/12 11:23.

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.

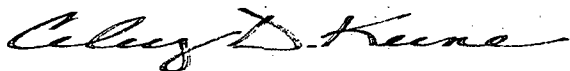
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



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: 11/09/2012
Reported: 11/12/2012
Project Name: NIX GP BATTERY
Project Number: 103-2636
Project Location: EDDY

Sampling Date: 11/07/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 1 10' (H202734-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: S 1 12' (H202734-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: S 1 14' (H202734-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	11/09/2012	ND	432	108	400	0.00	

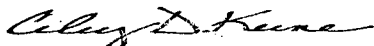
Sample ID: S 1 16' (H202734-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	11/09/2012	ND	432	108	400	0.00	

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: 11/09/2012
Reported: 11/12/2012
Project Name: NIX GP BATTERY
Project Number: 103-2636
Project Location: EDDY

Sampling Date: 11/07/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 2 10' (H202734-05)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: S 2 12' (H202734-06)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: S 2 14' (H202734-07)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22600	16.0	11/09/2012	ND	432	108	400	0.00	

Sample ID: S 2 16' (H202734-08)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	11/09/2012	ND	432	108	400	0.00	

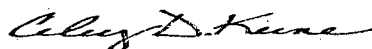
Sample ID: S 3 10' (H202734-09)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	11/09/2012	ND	432	108	400	0.00	

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: 11/09/2012
Reported: 11/12/2012
Project Name: NIX GP BATTERY
Project Number: 103-2636
Project Location: EDDY

Sampling Date: 11/07/2012
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S 3 12' (H202734-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	11/09/2012	ND	432	108	400	0.00	

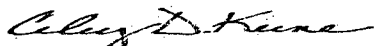
Sample ID: S 3 14' (H202734-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	11/09/2012	ND	432	108	400	0.00	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

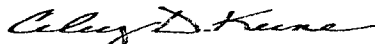
Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>YPC</u>				BILL TO				ANALYSIS REQUEST																		
Project Manager: <u>Jeremy Haass</u>				P.O. #: <u>103-2636</u>																						
Address:				Company: <u>YPC</u>																						
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn: <u>Jeremy Haass</u>																						
Phone #: _____ Fax #: _____				Address: _____																						
Project #: _____ Project Owner: <u>Jeremy Haass</u>				City: _____																						
Project Name: <u>Nix GP Battery</u>				State: _____ Zip: _____																						
Project Location: <u>Eddy</u>				Phone #: _____																						
Sampler Name: <u>Jeremy Haass</u>				Fax #: _____																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING		Chlorides																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER													ACID/BASE	ICE / COOL	OTHER	DATE	TIME
<u>1107134</u>																										
1	S1 10'					X																			11/7	
2	S1 12'					X																				
3	S1 14'					X																				
4	S1 16'					X																				
5	S2 10'					X																				
6	S2 12'					X																				
7	S2 14'					X																				
8	S2 16'					X																				
9	S3 10'					X																				
10	S3 12'					X																				
<small>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 the client for the 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 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 customers arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																										
Relinquished By: <u>[Signature]</u>		Date: <u>11/9</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		REMARKS: <u>Rush</u>																
Relinquished By:		Time: <u>11:23</u>		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:																		
Delivered By: (Circle One)		Time:		Sample Condition		CHECKED BY: (Initials)																				
Sampler - UPS - Bus - Other:				Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>																				

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

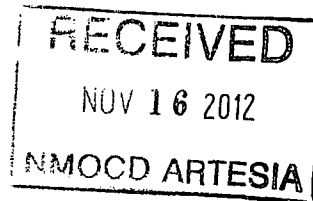
November 02, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210



RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/01/12 14:53.

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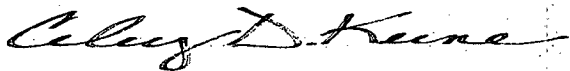
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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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: 11/01/2012
 Reported: 11/02/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/31/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S3 3' (H202664-01)
BTEX 8021B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.083	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	0.153	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTEX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

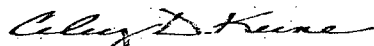
Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 11/01/2012
 Reported: 11/02/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/31/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S3 5' (H202664-02)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTEX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

Chloride, SM4500CI-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

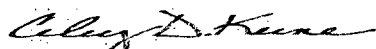
Surrogate: 1-Chlorooctane 88.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.1 % 63.6-154

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: 11/01/2012
Reported: 11/02/2012
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: EDDY

Sampling Date: 10/31/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S3 7' (H202664-03)
BTEX 8021B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.050	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTEX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

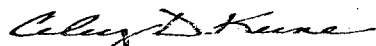
Surrogate: 1-Chlorooctane 81.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.1 % 63.6-154

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: 11/01/2012
 Reported: 11/02/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/31/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S4 3' (H202664-04)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTEX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/02/2012	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	11/02/2012	ND	192	95.8	200	2.44		
DRO >C10-C28	2450	50.0	11/02/2012	ND	200	100	200	4.46		

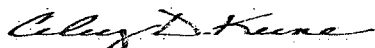
Surrogate: 1-Chlorooctane 84.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 164 % 63.6-154

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: 11/01/2012
 Reported: 11/02/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/31/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S4 5' (H202664-05)

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 106 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

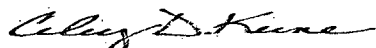
Surrogate: 1-Chlorooctane 93.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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: 11/01/2012
 Reported: 11/02/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/31/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S4 7' (H202664-06)

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/02/2012	ND	1.91	95.6	2.00	19.9	
Toluene*	<0.050	0.050	11/02/2012	ND	2.09	104	2.00	18.6	
Ethylbenzene*	<0.050	0.050	11/02/2012	ND	2.10	105	2.00	17.8	
Total Xylenes*	<0.150	0.150	11/02/2012	ND	6.34	106	6.00	17.7	
Total BTX	<0.300	0.300	11/02/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/02/2012	ND	416	104	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	11/02/2012	ND	192	95.8	200	2.44	
DRO >C10-C28	<10.0	10.0	11/02/2012	ND	200	100	200	4.46	

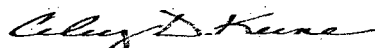
Surrogate: 1-Chlorooctane 88.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

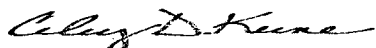
Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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



Company Name: YPC				BILL TO				ANALYSIS REQUEST																																			
Project Manager: Jeremy Haass				P.O. #: 103-2636																																							
Address:				Company: YPC																																							
City: Artesia State: NM Zip: 88210				Attn: Jeremy Haass																																							
Phone #: Fax #:				Address:																																							
Project #: Project Owner: Jeremy Haass				City: Artesia																																							
Project Name: Nix 'GP' Battery				State: NM Zip: 88210																																							
Project Location: E22Y				Phone #:																																							
Sampler Name: Jeremy Haass				Fax #:																																							
FOR LAB USE ONLY				GRAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING																																	
Lab I.D.		Sample I.D.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																	
H2021664				1						X								X		X		X		10/31				X		X													
1		S3 3'		1						X								X		X		X		10/31				X		X													
2		S3 5'		1						X								X		X		X		10/31				X		X													
3		S3 7'		1						X								X		X		X		10/31				X		X													
4		S4 3'		1						X								X		X		X		10/31				X		X													
5		S4 5'		1						X								X		X		X		10/31				X		X													
6		S4 7'		1						X								X		X		X		10/31				X		X													
<p>PLEASE NOTE: Liability and Damages. Cardin'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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardin within 30 days after completion of the applicable service. In no event shall Cardin 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 services hereunder by Cardin, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																											
Relinquished By: [Signature]				Date: 11/1		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																													
Relinquished By:				Time: 2:53		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																													
Delivered By: (Circle One)				Time:		Sample Condition:				CHECKED BY: (Initials)				REMARKS: Rush																													
Sampler - UPS - Bus - Other:				30		Cool / Intact																																					
						<input type="checkbox"/> Yes <input type="checkbox"/> No																																					

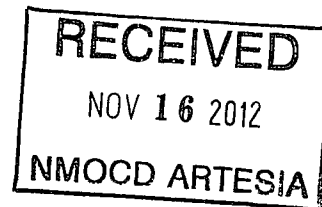
October 24, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210



RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/18/12 12:12.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

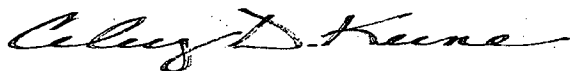
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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: 10/18/2012
 Reported: 10/24/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/17/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S1 3' (H202544-01)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.150	0.050	10/23/2012	ND	1.98	99.0	2.00	2.23	
Toluene*	0.090	0.050	10/23/2012	ND	2.15	108	2.00	2.85	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	2.16	108	2.00	2.30	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	6.54	109	6.00	2.75	

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	10/19/2012	ND	416	104	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	<50.0	50.0	10/19/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<50.0	50.0	10/19/2012	ND	159	79.4	200	9.04	

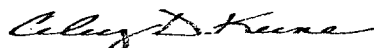
Surrogate: 1-Chlorooctane 75.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.1 % 63.6-154

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: 10/18/2012
 Reported: 10/24/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/17/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S1 5' (H202544-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	10/19/2012	ND	416	104	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	10/19/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/19/2012	ND	159	79.4	200	9.04	

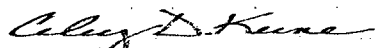
Surrogate: 1-Chlorooctane 76.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.3 % 63.6-154

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*=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: 10/18/2012
Reported: 10/24/2012
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: EDDY

Sampling Date: 10/17/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S1 7' (H202544-03)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6500	16.0	10/19/2012	ND	416	104	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	10/19/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/19/2012	ND	159	79.4	200	9.04	

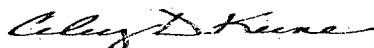
Surrogate: 1-Chlorooctane 74.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.1 % 63.6-154

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

Received: 10/18/2012
Reported: 10/24/2012
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: EDDY

Sampling Date: 10/17/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: S2 3' (H202544-04)
BTEX 8021B
mg/kg
Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	10.3	1.00	10/24/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	53.3	1.00	10/24/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	9.98	1.00	10/24/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	43.2	3.00	10/24/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 89.4-126

Chloride, SM4500Cl-B
mg/kg
Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	10/19/2012	ND	416	104	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	778	50.0	10/20/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	263	50.0	10/20/2012	ND	159	79.4	200	9.04	

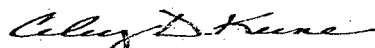
Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Analytical Results For:

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

 Received: 10/18/2012
 Reported: 10/24/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/17/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S2 5' (H202544-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	10/19/2012	ND	416	104	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	10/20/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/20/2012	ND	159	79.4	200	9.04	

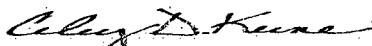
Surrogate: 1-Chlorooctane 79.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 10/18/2012
 Reported: 10/24/2012
 Project Name: NIX GP BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY

 Sampling Date: 10/17/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: S2 7' (H202544-06)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2012	ND	1.76	88.1	2.00	0.795	
Toluene*	<0.050	0.050	10/23/2012	ND	1.93	96.6	2.00	1.35	
Ethylbenzene*	<0.050	0.050	10/23/2012	ND	1.93	96.7	2.00	1.60	
Total Xylenes*	<0.150	0.150	10/23/2012	ND	5.85	97.6	6.00	2.00	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	10/19/2012	ND	416	104	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	10/20/2012	ND	166	83.2	200	5.81	
DRO >C10-C28	<10.0	10.0	10/20/2012	ND	159	79.4	200	9.04	

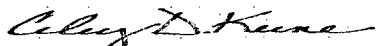
Surrogate: 1-Chlorooctane 77.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.4 % 63.6-154

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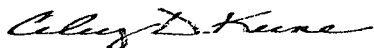
Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager



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