Bratcher, Mike, EMNRD

From: Amber Cannon [ACannon@yatespetroleum.com]
Sent: Wednesday, March 21, 2012 12:02 PM
To: Bratcher, Mike, EMNRD
Cc: Bob Asher
Subject: Hawkins GY Battery Workplan
Attachments: Hawkins GY Work Plan.pdf

Mike,

Please find attached a work plan for the Hawkins GY Battery (2RP-1016).

Should you have any questions or concerns do not hesitate to call or email.

Thanks,

Amber Cannon

Environmental Regulatory Agent
Yates Petroleum Corporation
Office: (575) 748-4111
Cell: (575)-513-8799

YATES PETROLEUM CORPORATION
105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (575) 748-1471

March 21, 2012

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

Re: Hawkins GY Battery
30-015-21940
Section 27, T18S-R26E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated February 1, 2012.

If you have any questions call me at (575) 748-4111

Thank you.

YATES PETROLEUM CORPROATION

Amber Cannon

Amber Cannon
Environmental Regulatory Agent

Enclosure(s)

Yates Petroleum Corporation

Hawkins GY Battery Work Plan

Section 27, T18S-R26E

Eddy County, New Mexico

March 21, 2012

I. Location

The well is located approximately 7 miles south of Artesia, NM and 1.5 miles east of Highway 285, as represented by the attached Lake McMillian North, NM, USGS Quadrangle Map.

II. Background

On February 1, 2012, Yates submitted to the NMOCD District II office a Form C-141 for a release of 7 B/PW & 8 MCF with 6 B/PW recovered. The total affected area is approximately 30 feet by 10 feet area Initial delineation samples were taken 2/1/2012 and sent to an NMOCD approved laboratory (2/13/2012 results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic. The nearest groundwater of record is listed on the New Mexico Office of the State Engineer (Section 27, T18S-R26E) shows depth to groundwater approximately 85 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·

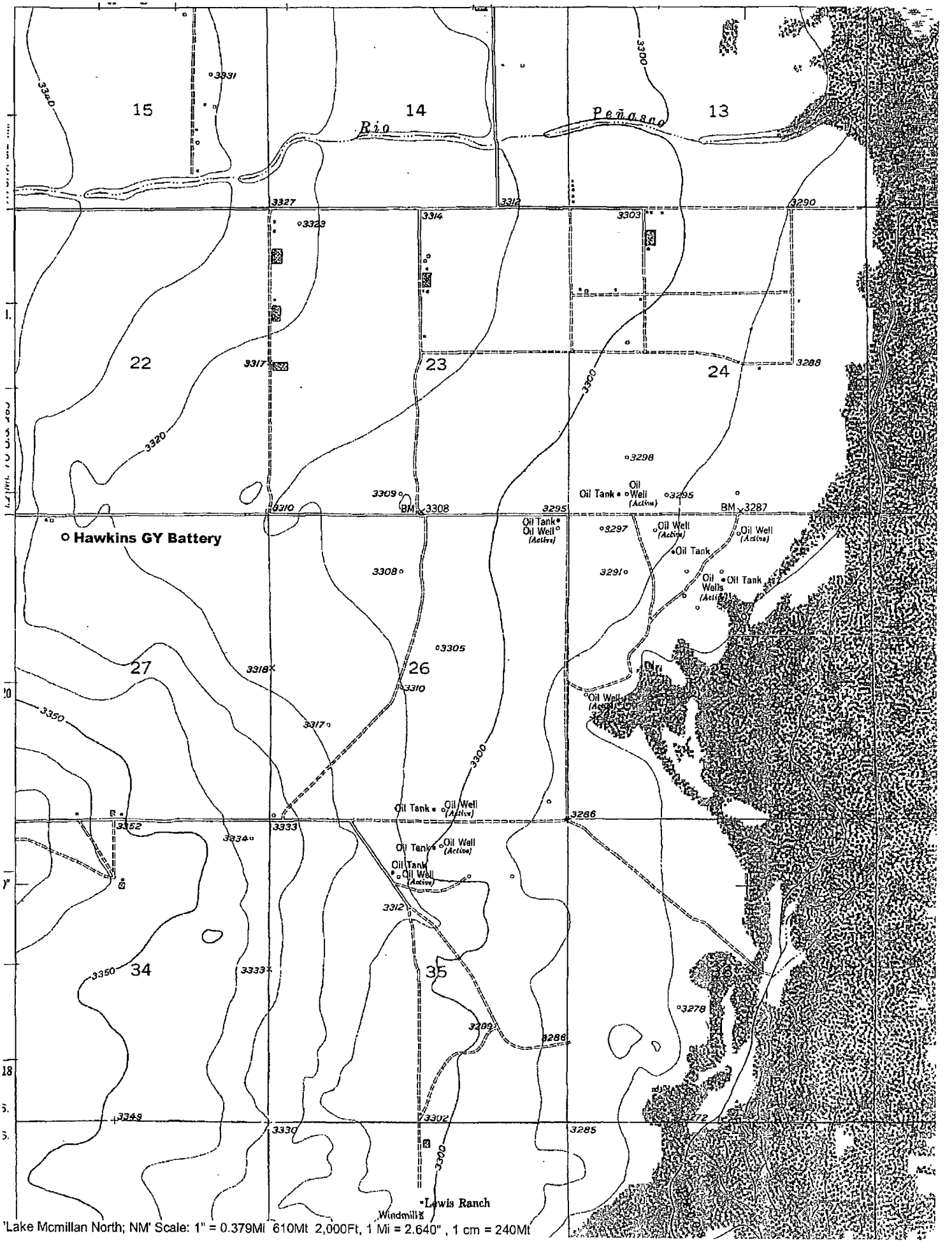
Depth to ground water	50-99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

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

Yates Petroleum Corporation has dug out four (4) feet of impacted soils. Two (2) feet of the impacted material were hauled off to an NMOCD approved facility. The other two feet has been stockpiled on location to be remediated to acceptable BTEX and TPH levels and reused. The stockpile is being turned over on a regular basis by a roustabout crew New samples will then be taken of the stockpile and further vertical delineation in the excavation and sent to an NMOCD approved laboratory, if analytical results are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of ten (10), then no further excavation work will be conducted and the stockpiled material will be reused to fill the excavation. If the RRAL's are above limits, additional impacted soils will be excavated and stockpiled on site for remediation. Delineation samples will again be taken. When analytical results are below the RRAL's, Yates Petroleum Corporation will submit a C-141, Final Report, analytical results and a site sample diagram and request closure of the site. Upon Final C-141 approval the excavation will be backfilled with clean, like materials.



'Lake Mcmillan North; NM' Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt

Analytical Report 436243

for

Yates Petroleum Corporation

Project Manager: Amber Cannon

Hawkins GY Battery

30-015-21940

13-FEB-12

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

13-FEB-12

Project Manager: **Amber Cannon**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **436243**
Hawkins GY Battery
Project Address: Eddy County

Amber Cannon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 436243. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 436243 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II
Odessa Laboratory Manager

Sample Cross Reference 436243

Yates Petroleum Corporation, Artesia, NM

Hawkins GY Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-3'	S	02-01-12 10:15	3 - 3 ft	436243-001
B-4'	S	02-01-12 10:20	4 - 4 ft	436243-002
SW-1	S	02-01-12 10:25	1 - 1 ft	436243-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID:	*30-015-21940*	*Report Date:*	*13-FEB-12*
Work Order Number:	*436243*	*Date Received:*	*02/02/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-881041 Anions by E300
RPD recovered outside QC limits between the sample and sample duplicate.

Certificate of Analysis Summary 436243

Yates Petroleum Corporation, Artesia, NM

Project Name: Hawkins GY Battery

Project Id: 30-015-21940
Contact: Amber Cannon
Project Location: Eddy County

Date Received in Lab: Thu Feb-02-12 11:55 am
Report Date: 13-FEB-12
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	436243-001		436243-002		436243-003			
	Field Id:	B-3'		B-4'		SW-1			
	Depth:	3-3 ft		4-4 ft		1-1 ft			
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Feb-01-12 10:15		Feb-01-12 10:20		Feb-01-12 10:25			
Anions by E300	*Extracted:*								
	Analyzed:	Feb-11-12 11:00		Feb-11-12 11:00		Feb-11-12 11:00			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		34.6	1.02	19.5	1.02	19.5	0 978		
Percent Moisture	*Extracted:*								
	Analyzed:	Feb-03-12 14:20		Feb-03-12 14:20		Feb-03-12 14:20			
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		17.5	1.00	17.3	1.00	14.1	1.00		

Brent Barron II
Odessa Laboratory Manager

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Amber Cannon
Project Name: **Hawkins GY Battery**

Company Name: Yates Petroleum Corporation
Project #: 30-015-21940

Company Address: 105 South 4th Street
Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210
PO #: 1032020

Telephone No: 575-748-4111 Fax No: 575-748-4585
Report Format: [x] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

(lab use only)
ORDER #: 436241 / 436243

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TOTAL: TPH: TX 1005 TX 1006	Calions (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B-3'	3'	3'	2/1/2012	10:15 AM		1	X									S		X							X			X				X
02	B-4'	4'	4'	2/1/2012	10:20 AM		1	X									S		X							X			X				X
03	SW-1	1'	1'	2/1/2012	10:25 AM		1	X									S		X							X			X				X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																																

Special Instructions: TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Amber Cannon	02/01/12	3.31 PM			
Relinquished by.	Date	Time	Received by:	Date	Time
Relinquished by. Fedex	Date	Time	Received by ELOT: Andrea Elam	Date 2-2-12	Time 1155

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
4 oz glass
Temperature Upon Receipt: 2.0 °C

Final 1.000

XENCO Laboratories	XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date: No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum

Date/Time: 2.2.12 11:55

Lab ID #: 436241 / 436243

Initials: AK

Sample Receipt Checklist

1. Samples on ice?	Blue	~~Water~~	No	
2. Shipping container in good condition?	(Yes)	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	(Yes)	No	N/A	
4. Chain of Custody present?	(Yes)	No		
5. Sample instructions complete on chain of custody?	(Yes)	No		
6. Any missing / extra samples?	Yes	(No)		
7. Chain of custody signed when relinquished / received?	(Yes)	No		
8. Chain of custody agrees with sample label(s)?	(Yes)	No		
9. Container labels legible and intact?	(Yes)	No		
10. Sample matrix / properties agree with chain of custody?	(Yes)	No		
11. Samples in proper container / bottle?	(Yes)	No		
12. Samples properly preserved?	(Yes)	No	N/A	
13. Sample container intact?	(Yes)	No		
14. Sufficient sample amount for indicated test(s)?	(Yes)	No		
15. All samples received within sufficient hold time?	(Yes)	No		
16. Subcontract of sample(s)?	Yes	No	(N/A)	
17. VOC sample have zero head space?	(Yes)	No	N/A	

18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs 2.0 °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis

Analytical Report 436241

for

Yates Petroleum Corporation

Project Manager: Amber Cannon

Hawkins GY Battery

30-015-21940

13-FEB-12

Collected By: Client

Celebrating 20 Years of commitment to excellence in Environmental Testing Services

12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

13-FEB-12

Project Manager: **Amber Cannon**
Yates Petroleum Corporation
105 South Fourth St.
Artesia, NM 88210

Reference: XENCO Report No: **436241**
Hawkins GY Battery
Project Address: Eddy County

Amber Cannon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 436241. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron II
Odessa Laboratory Manager

Sample Cross Reference 436241

Yates Petroleum Corporation, Artesia, NM

Hawkins GY Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B-3'	S	02-01-12 10:15	3 - 3 ft	436241-001
B-4'	S	02-01-12 10:20	4 - 4 ft	436241-002
SW-1	S	02-01-12 10:25	1 - 1 ft	436241-003

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID:	*30-015-21940*	*Report Date:*	*13-FEB-12*
Work Order Number:	*436241*	*Date Received:*	*02/02/2012*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-880592 BTEX by EPA 8021B
SW8021BM

Batch 880592, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 436241-003.

SW8021BM

Batch 880592, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 436241-001, -003.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

Batch: LBA-880721 BTEX by EPA 8021B
SW8021BM

Batch 880721, Benzene, Ethylbenzene, Toluene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 436241-002.
The Laboratory Control Sample for Toluene, Benzene, Ethylbenzene, m_p-Xylenes , o-Xylene is within laboratory Control Limits

SW8021BM

Batch 880721, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 436241-002.
4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 436002-003 S,436002-003 SD.

CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Hawkins GY Battery

Project ID: 30-015-21940
Work Order Number: 436241

Report Date: 13-FEB-12
Date Received: 02/02/2012

Batch: LBA-881186 TPH By SW8015B Mod
SW8015B_NM

Batch 881186, 1-Chlorooctane recovered above QC limits Data confirmed by re-analysis.
Samples affected are: 436241-002.
Batch 881186, 1-Chlorooctane recovered above QC limits Data not confirmed by re-analysis.
Samples affected are: 617761-1-BSD,436241-002 S,436241-002 SD.

SW8015B_NM

Batch 881186, C6-C10 Gasoline Range Hydrocarbons recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. C10-C28 Diesel Range Hydrocarbons recovered above QC limits in the Matrix Spike Duplicate.
Samples affected are: 436241-001, -003, -002.
The Laboratory Control Sample for C10-C28 Diesel Range Hydrocarbons, C6-C10 Gasoline Range Hydrocarbons is within laboratory Control Limits

Certificate of Analysis Summary 436241

Yates Petroleum Corporation, Artesia, NM

Project Name: Hawkins GY Battery

Project Id: 30-015-21940
Contact: Amber Cannon
Project Location: Eddy County

Date Received in Lab: Thu Feb-02-12 11:55 am
Report Date: 13-FEB-12
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	436241-001		436241-002		436241-003			
	Field Id:	B-3'		B-4'		SW-1			
	Depth:	3-3 ft		4-4 ft		1-1 ft			
	Matrix:	SOIL		SOIL		SOIL			
	Sampled:	Feb-01-12 10:15		Feb-01-12 10:20		Feb-01-12 10:25			
BTEX by EPA 8021B	*Extracted:*	Feb-03-12 15:00		Feb-07-12 09:54		Feb-03-12 15:00			
	Analyzed:	Feb-04-12 06:43		Feb-07-12 16:58		Feb-04-12 08:57			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		2.35	0.200	91.1	5.99	2.90	0 198		
Toluene		23.0	0.401	663	12.0	52.6	0.396		
Ethylbenzene		23.1	0.200	466	5.99	57.6	0.198		
m_p-Xylenes		32.3	0.401	624	12.0	77.6	0.396		
o-Xylene		11.2	0.200	198	5.99	27.5	0.198		
Total Xylenes		43.5	0.200	822	5.99	105	0.198		
Total BTEX		92.0	0.200	2040	5 99	218	0.198		
Percent Moisture	*Extracted:*								
	Analyzed:	Feb-03-12 09:00		Feb-03-12 09:00		Feb-03-12 09:00			
	Units/RL:	%	RL	%	RL	%	RL		
Percent Moisture		17.5	1.00	17.3	1.00	14.1	1.00		
TPH By SW8015B Mod	*Extracted:*	Feb-09-12 15:00		Feb-09-12 15:00		Feb-09-12 15:00			
	Analyzed:	Feb-10-12 12:37		Feb-10-12 13 07		Feb-10-12 13:40			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
C6-C10 Gasoline Range Hydrocarbons		1130	90.9	9520	90.8	1320	87.2		
C10-C28 Diesel Range Hydrocarbons		831	90.9	2020	90.8	529	87.2		
Total TPH		1960	90.9	11500	90.8	1850	87.2		

Brent Barron II
Odessa Laboratory Manager

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

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K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

XENCO-Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Amber Cannon
Project Name: **Hawkins GY Battery**

Company Name: Yates Petroleum Corporation
Project #: 30-015-21940

Company Address: 105 South 4th Street
Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210
PO #: 1032020

Telephone No: 575-748-4111 Fax No: 575-748-4585
Report Format: [X] Standard [ ] TRRP [ ] NPDES

Sampler Signature: Amber Cannon e-mail: acannon@yatespetroleum.com

(lab use only)
ORDER #: 436241 / 436243

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH 8015B	TOTAL: TPH 8015M	TPH 418.1	TPH TX 1005	TPH TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O R.M	Chlorides			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B-3'	3'	3'	2/1/2012	10:15 AM		1	X									S		X										X			X				X
02	B-4'	4'	4'	2/1/2012	10:20 AM		1	X									S		X										X			X				X
03	SW-1	1'	1'	2/1/2012	10:25 AM		1	X									S		X										X			X				X
	PLEASE PUT CHLORIDES ON SEPARATE REPORT																																			

Special Instructions: TPH: 8015B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
Amber Cannon	02/01/12	3.31 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: Fedex	Date	Time	Received by ELOT: Andrea Elam	Date 2-2-12	Time 1155

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star
702945

Temperature Upon Receipt: 2.0 °C

Final 1.000

XENCO Laboratories	XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	Document Title: Sample Receipt Checklist Document No.: SYS-SRC Revision/Date. No. 01, 5/27/2010 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yates Petroleum
Date/Time: 2.2.12 11:55
Lab ID #: 436241 / 436243
Initials: AL

Sample Receipt Checklist

1. Samples on ice?	Blue	~~Water~~	No	
2. Shipping container in good condition?	Yes	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	Yes	No	N/A	
4. Chain of Custody present?	Yes	No		
5. Sample instructions complete on chain of custody?	Yes	No		
6. Any missing / extra samples?	Yes	No		
7. Chain of custody signed when relinquished / received?	Yes	No		
8. Chain of custody agrees with sample label(s)?	Yes	No		
9. Container labels legible and intact?	Yes	No		
10. Sample matrix / properties agree with chain of custody?	Yes	No		
11. Samples in proper container / bottle?	Yes	No		
12. Samples properly preserved?	Yes	No	N/A	
13. Sample container intact?	Yes	No		
14. Sufficient sample amount for indicated test(s)?	Yes	No		
15. All samples received within sufficient hold time?	Yes	No		
16. Subcontract of sample(s)?	Yes	No	N/A	
17. VOC sample have zero head space?	Yes	No	N/A	

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	2.0 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

Contact:_____ Contacted by:_____ Date/Time:_____

Regarding: _____

Corrective Action Taken: _____

Check all that apply:
- ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
- ☐ Initial and Backup Temperature confirm out of temperature conditions
- ☐ Client understands and would like to proceed with analysis