

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986

S.P. YATES
1914-2008



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

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August 26, 2011

Mr. Mike Bratcher
NMOCD District II
1301 West Grand
Artesia, NM 88210

Re: Stogey BLG State Com. #1-H
2RP-816
30-015-36305
Section 36, T24S-R27E
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 June 16, 2011.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of August 29, 2011.

If you have any questions call me at (575) 748-4217

Thank you.

YATES PETROLEUM CORPROATION

Robert Asher
Senior Environmental Regulatory Agent

Enclosure(s)

I. Location

The well is located approximately 7 miles southwest of Malaga, NM and 0.25 miles east of Roadrunner Road (CR 774), as represented by the attached Bond Draw, NM, USGS Quadrangle Map.

II. Background

On June 7, 2011, Yates submitted to the NMOCD District II office a Form C-141 for a release of 75 B/PW with 70 B/PW recovered. The total affected area is approximately 4 feet by 1200 feet area (off of the west side of the battery, running east on the production pad and stopping off of the east edge of the production pad). The release was from a discharge line on a water pump that failed due to possible line pressure increase. A contractor scraped up approximately 12" of impacted soils on the west side of battery and east side of production pad and six (6) inches of impacted soils on the production pad; those impacted soils were taken to an NMOCD approved facility. Initial delineation samples were taken (7/20/2011) and sent to an NMOCD approved laboratory (7/27/2011, results enclosed).

III. Surface and Ground Water

Area surface geology ranges from Cenozoic to Paleozoic. The nearest groundwater of record is listed on the New Mexico Office of the State Engineer (Section 22, T24S-R27E) shows depth to groundwater approximately 70 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:

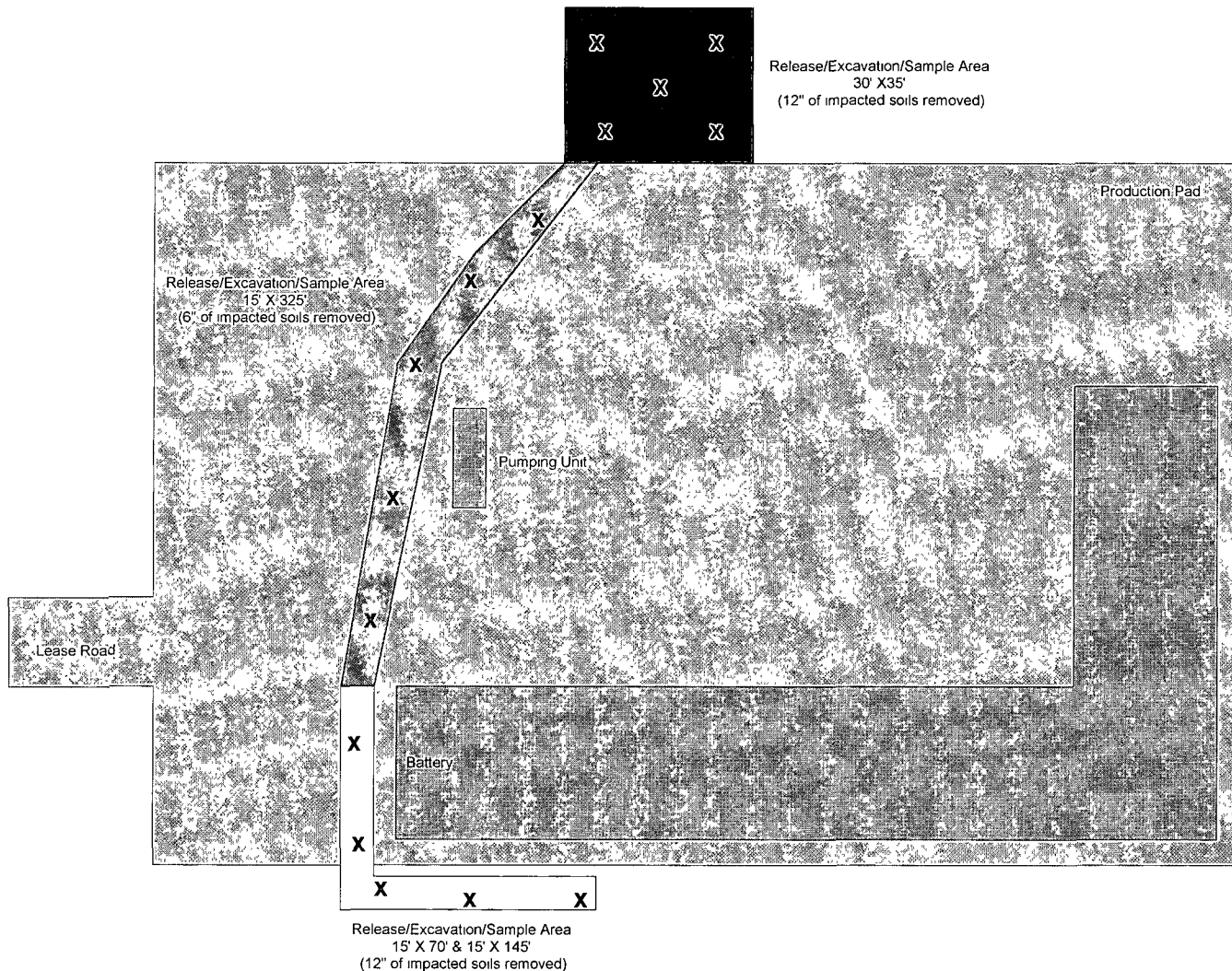
Depth to ground water	50-99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

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

V. Scope of Work

Based on analytical results, Yates Petroleum Corporation will conduct vertical delineation sampling, these samples will be taken to delineate chlorides to a minimum of 5,000 ppm to show decreasing levels of chlorides and then coordinate with the NMOCD for any further remediation within the release/excavation areas, the samples will be sent to an NMOCD approved laboratory. The initial sample results ran on July 27, 2011 for TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of ten (10), no further analytical testing of TPH and or BTEX will be conducted. When remediation work is completed a C-141, Final Report, analytical results and a site sample diagram will be submitted to the NMOCD and request closure of the site. Upon Final C-141 approval the excavation will be backfilled with clean, like materials.



Analytical Report- 424087 & 424088	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
GS/Comp-00.5 W	Release Area	7/20/2011	Comp/Auger	6" (18" BSL)	ND	ND	324	324	6010
GS/Comp-01.0	Release Area	7/20/2011	Comp/Auger	12" (24" BSL)	ND	ND	216	216	5540
GS/Comp-00.5 P	Release Area	7/20/2011	Comp/Shovel	6" (12" BSL)	ND	ND	1310	1310	9840
GS/Comp-00.5 E	Release Area	7/20/2011	Comp/Auger	6" (18" BSL)	ND	ND	ND	ND	7190
GS/Comp-01.0 E	Release Area	7/20/2011	Comp/Auger	12" (24" BSL)	ND	ND	ND	ND	6530

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 70', per Trend Map).

All results are ppm. X - Sample Points BLS - Below Surface Level

Released: 75 B/PW; Recovered: 70 B/PW. Release Date: 6/7/2011



Stogey BLG State Com.#1-H

30-015-36305

Section 36, T24S-R27E

Eddy County, NM

SAMPLE DIAGRAM(Not to Scale)

Xenco Laboratories# 424087 & 424088

Report Date: 7/27/2011

Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 424087

for Yates Petroleum Corporation

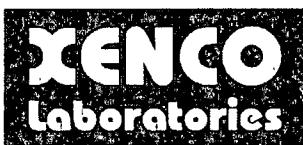
Project Manager: Robert Asher

Stogey BLG State Com. #1-H

30-015-36305

27-JUL-11

Collected By: Client



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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 (AAL11), 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-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

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)



27-JUL-11

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

Reference: XENCO Report No: **424087**
Stogey BLG State Com. #1-H
Project Address: Eddy County

Robert Asher:

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 424087. 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. 424087 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

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Sample Cross Reference 424087



Yates Petroleum Corporation, Artesia, NM

Stogey BLG State Com. #1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5 W	S	07-20-11 09:36	6 - 6 In	424087-001
GS/Comp-01.0 W	S	07-20-11 09:49	12 - 12 In	424087-002
GS/Comp-00.5 P	S	07-20-11 10:03	6 - 6 In	424087-003
GS/Comp-00.5 E	S	07-20-11 10:15	6 - 6 In	424087-004
GS/Comp-01.0 E	S	07-20-11 10:30	12 - 12 In	424087-005



CASE NARRATIVE

Client Name: *Yates Petroleum Corporation*

Project Name: *Stogey BLG State Com. #1-H*



Project ID: 30-015-36305

Work Order Number: 424087

Report Date: 27-JUL-11

Date Received: 07/23/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Certificate of Analysis Summary 424087

Yates Petroleum Corporation, Artesia, NM

Project Name: Stogey BLG State Com. #1-H



Project Id: 30-015-36305

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Sat Jul-23-11 04:00 pm


Report Date: 27-JUL-11

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	424087-001	424087-002	424087-003	424087-004	424087-005	
	Field Id:	GS/Comp-00.5 W	GS/Comp-01 0 W	GS/Comp-00.5 P	GS/Comp-00.5 E	GS/Comp-01.0 E	
	Depth:	6-6 In	12-12 In	6-6 In	6-6 In	12-12 In	
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Jul-20-11 09:36	Jul-20-11 09:49	Jul-20-11 10:03	Jul-20-11 10:15	Jul-20-11 10:30	
BTEX by EPA 8021B	Extracted:	Jul-25-11 11:39	Jul-25-11 11:39	Jul-25-11 11:39	Jul-25-11 11:39	Jul-25-11 11:39	
	Analyzed:	Jul-25-11 17:52	Jul-25-11 18:15	Jul-25-11 18:37	Jul-25-11 19:00	Jul-25-11 19:23	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		ND 0.00105	ND 0.00100	ND 0.00101	ND 0.00109	ND 0.00110	
Toluene		ND 0.00210	ND 0.00201	ND 0.00201	ND 0.00218	ND 0.00221	
Ethylbenzene		ND 0.00105	ND 0.00100	ND 0.00101	ND 0.00109	ND 0.00110	
m_p-Xylenes		ND 0.00210	ND 0.00201	ND 0.00201	ND 0.00218	ND 0.00221	
o-Xylene		ND 0.00105	ND 0.00100	ND 0.00101	ND 0.00109	ND 0.00110	
Total Xylenes		ND 0.00105	ND 0.00100	ND 0.00101	ND 0.00109	ND 0.00110	
Total BTEX		ND 0.00105	ND 0.00100	ND 0.00101	ND 0.00109	ND 0.00110	
Percent Moisture	Extracted:	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	
	Analyzed:	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	
	Units/RL:	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		5.16 1.00	ND 1.00	ND 1.00	7.85 1.00	8.41 1.00	
TPH By SW8015B Mod	Extracted:	Jul-25-11 11:15	Jul-25-11 11:15	Jul-25-11 11:15	Jul-25-11 11:15	Jul-25-11 11:15	
	Analyzed:	Jul-25-11 14:47	Jul-25-11 15:15	Jul-25-11 15:43	Jul-25-11 16:11	Jul-25-11 16:38	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C10 Gasoline Range Hydrocarbons		ND 15.7	ND 15.0	ND 15.1	ND 16.2	ND 16.4	
C10-C28 Diesel Range Hydrocarbons		324 15.7	216 15.0	1310 15.1	ND 16.2	ND 16.4	
Total TPH		324 15.7	216 15.0	1310 15.1	ND 16.2	ND 16.4	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



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 quantitation 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.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	

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: Robert Asher

Project Name: **Stogey BLG State Com. #1-H**

Company Name	Yates Petroleum Corporation
--------------	-----------------------------

Project #: 30-015-36305

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip. Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

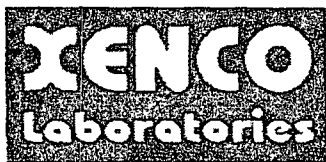
Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: [Signature]

e-mail: boba@yatespetroleum.com

[illegible]

**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-InClient: YatesDate/Time: 7-23-11 4:00Lab ID #: 424087/424088-C1Initials: XM**Sample Receipt Checklist**

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>6</u> °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 424088

for Yates Petroleum Corporation

Project Manager: Robert Asher

Stogey BLG State Com. #1-H

30-015-36305

27-JUL-11

Collected By: Client



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New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

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Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
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Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
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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)



27-JUL-11

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

Reference: XENCO Report No: **424088**
Stogey BLG State Com. #1-H
Project Address: Eddy County

Robert Asher:

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 424088. 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. 424088 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

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Sample Cross Reference 424088



Yates Petroleum Corporation, Artesia, NM

Stogey BLG State Com. #1-H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-00.5 W	S	07-20-11 09:36	6 - 6 In	424088-001
GS/Comp-01.0 W	S	07-20-11 09:49	12 - 12 In	424088-002
GS/Comp-00.5 P	S	07-20-11 10:03	6 - 6 In	424088-003
GS/Comp-00.5 E	S	07-20-11 10:15	6 - 6 In	424088-004
GS/Comp-01.0 E	S	07-20-11 10:30	12 - 12 In	424088-005



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Stogey BLG State Com. #1-H



Project ID: 30-015-36305

Work Order Number: 424088

Report Date: 27-JUL-11

Date Received: 07/23/2011

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-865337 Anions by E300

E300MI

Batch 865337, Chloride recovered above QC limits in the Matrix Spike.

Samples affected are: 424088-003, -002, -001, -004, -005.

The Laboratory Control Sample for Chloride is within laboratory Control Limits



Certificate of Analysis Summary 424088

Yates Petroleum Corporation, Artesia, NM

Project Name: Stogey BLG State Com. #1-H



Project Id: 30-015-36305

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Sat Jul-23-11 04.00 pm


Report Date: 27-JUL-11

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	424088-001	424088-002	424088-003	424088-004	424088-005	
	Field Id:	GS/Comp-00.5 W	GS/Comp-01 0 W	GS/Comp-00.5 P	GS/Comp-00.5 E	GS/Comp-01 0 E	
	Depth:	6-6 In	12-12 In	6-6 In	6-6 In	12-12 In	
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Jul-20-11 09:36	Jul-20-11 09:49	Jul-20-11 10:03	Jul-20-11 10:15	Jul-20-11 10:30	
Anions by E300	Extracted:						
	Analyzed:	Jul-26-11 07:05	Jul-26-11 07:05	Jul-26-11 07:05	Jul-26-11 07:05	Jul-26-11 07:05	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		6010 88.6	5540 89.6	9840 420	7190 91.1	6530 91.7	
Percent Moisture	Extracted:						
	Analyzed:	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	Jul-25-11 10:50	
	Units/RL:	% RL	% RL	% RL	% RL	% RL	
Percent Moisture		5.16 1.00	6.27 1.00	ND 1.00	7.84 1.00	8.42 1.00	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



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 quantitation 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.

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.

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(432) 563-1800	(432) 563-1713
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(602) 437-0330	

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: Robert Asher

Project Name: **Stogey BLG State Com. #1-H**

Company Name Yates Petroleum Corporation

Project #: 30-015-36305

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 575-748-4217

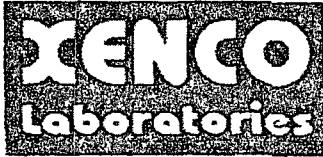
Fax No: 575-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature. *[Signature]*

e-mail: boba@yatespetroleum.com

(lab use only)						Analyze For.																															
ORDER #: 424087/424088																																					
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filled	Total # of Containers	Preservation & # of Containers									Matrix		TPH 418-1	8015B	TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8280	RCI	N.O.M.	Chlorides	RUSH TAT (Per Schedule) 24, 48, 72 hrs	Standard TAT			
								Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ SiO ₃	None	Other (Specify)	DW=Drinking Water SL=Sediment	GW=Groundwater SS=Soil/Solid	NP=Non-Potable Specify Other																			
001	GS/Comp-00.5 W	6"	6"	7/20/2011	9:36 AM	1	X									S	X																				
002	GS/Comp-01.0 W	12"	12"	7/20/2011	9:49 AM	1	X									S	X																				
003	GS/Comp-00.5 P	6"	6"	7/20/2011	10:03 AM	1	X									S	X																				
004	GS/Comp-00.5 E	6"	6"	7/20/2011	10:15 AM	1	X									S	X																				
005	GS/Comp-01.0 E	12"	12"	7/20/2011	10:30 AM	1	X									S	X																				

**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
Date/Time: 7-23-11 4:00
Lab ID #: 424087/424088-C1
Initials: LM

Sample Receipt Checklist

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