

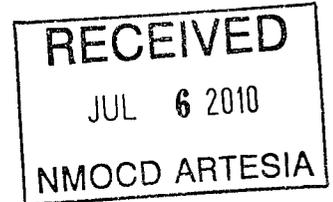
MARTIN YATES, III
1912-1985
FRANK W. YATES
1936-1986
S.P. YATES
1914-2008



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

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CHIEF FINANCIAL OFFICER

July 1, 2010



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

Re: Serrano Federal #1
30-015-28166
Section 11, T19S-R25E
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 reports dated June 16, 2010 and November 20, 2008.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on the week of July 19, 2010.

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

Thank you.

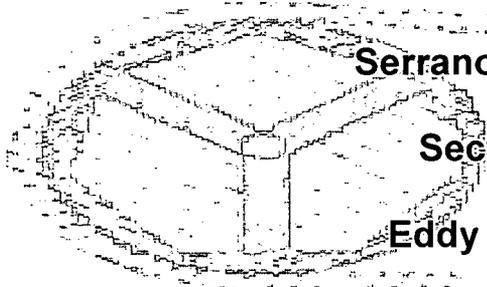
YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

Enclosure(s)

RECEIVED
JUL 6 2010
NMOCD ARTESIA

Yates Petroleum Corporation



Serrano Federal #1 Work Plan

Section 11, T19S-R25E

Eddy County, New Mexico

July 1, 2010

I. Location

The well is located approximately 20 miles southwest of Artesia, NM and 1.1 miles north of Rocking R Red Road (CR 21), as represented by the attached Dayton, NM, USGS Quadrangle Map.

II. Background

On June 16, 2010, Yates submitted to the NMOCD District II office a Form C-141 for releases of 50 B/O & B/PW mix with no oil or produced water recovered. The total affected area is approximately 5 feet by 40 feet and 20 feet by 20 feet areas, contained inside the bermed area (north and northeast side of the battery). Initial delineation samples were taken (6/24/2010) and sent to an NMOCD approved laboratory (6/30/2010 results enclosed). This work plan will also address a release that occurred on November 19, 2008 (2 B/O and 30 B/PW, with 1.5 B/O and 28 B/PW recovered, per the 11/20/2008, Initial C-141). Impacted soils were excavated at a depth of one foot below ground level; impacted soils were removed and taken to an OCD approved facility. Vertical and horizontal delineation was conducted on December 22, 2008 (enclosed diagram and results). A work plan was submitted on January 23, 2009.

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 shows depth to groundwater approximately 80 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:

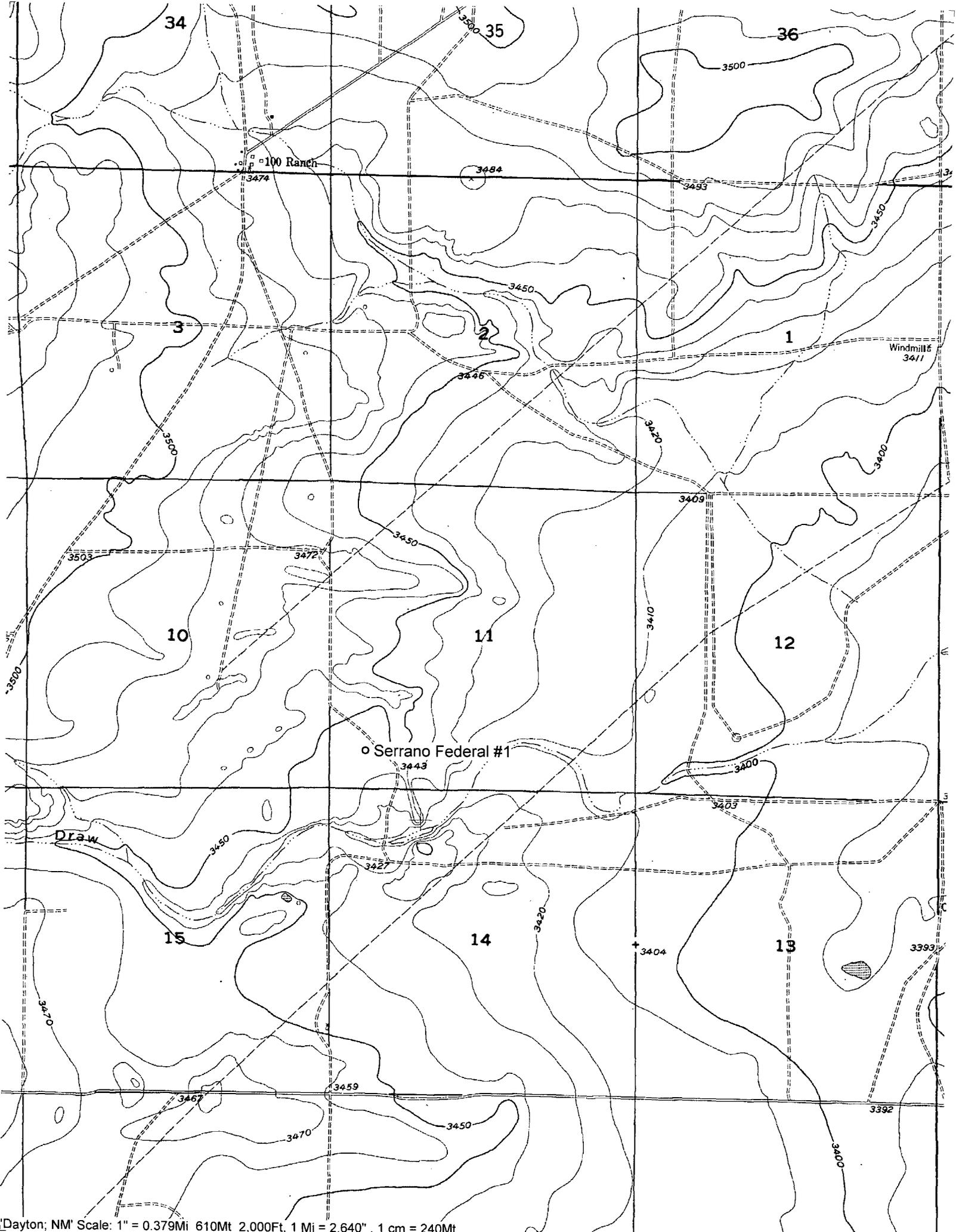
Depth to ground water	50 - 99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

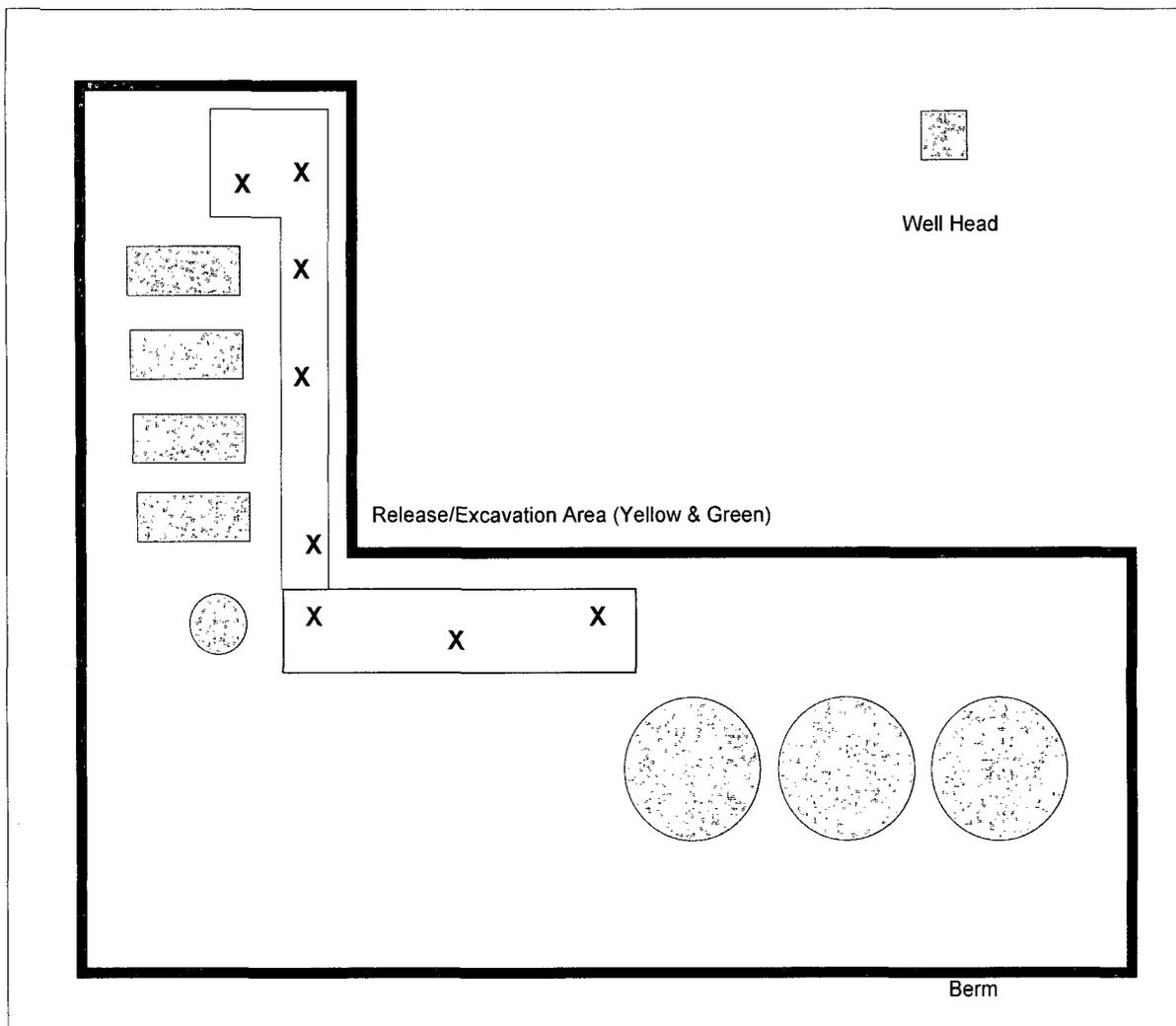
The area consists of soils that are caliche and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Yates Petroleum Corporation will have a contractor excavate an additional one (1) foot of impacted soils (total depth of two (2) feet below the surface). Delineation samples will be taken and sent to an OCD approved laboratory, if analytical results are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) with the Total Ranking Score of ten (10), then no further actions will be taken. Based on the 6/30/2010 analytical results for chlorides, no further testing for chlorides will be done. If the RRAL's are above limits additional impacted soils will be excavated and hauled to an NMOCD approved facility. 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.



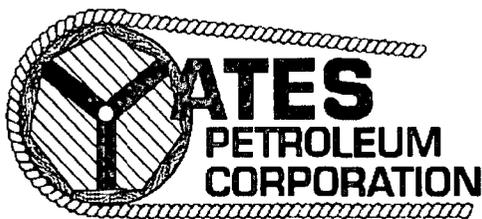
[Dayton; NM] Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides
CS-Surface (N)	6/24/2010	Comp/Auger	2"	ND	160	33800	33960	1060
CS-00.5 (N)	6/24/2010	Comp/Auger	6"	0.0023	70.8	2470	2540.8	195
CS-Surface (E)	6/24/2010	Comp/Auger	2"	0.0010	25.6	4170	4195.6	704
CS-00.5 (E)	6/24/2010	Comp/Auger	6"	7.366	379	2660	3039	151

Site Ranking is Ten (10). Depth to Ground Water 50' - 99' (approx. 80'). All results are ppm.

X - Sample Points taken. Chlorides for documentation.



Serrano Federal #1

30-015-28166

Section 11, T19S-R25E

Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

**Xenco Report #: 378890 & 378892
Report Date: 6/30/2010**

**Prepared by Robert Asher
Environmental Regulatory Agent**

Analytical Report 378890

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Serrano Federal # 1

30-015-28166

30-JUN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), 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: FL00449):

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



30-JUN-10

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

Reference: XENCO Report No: **378890**
Serrano Federal # 1
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 378890. 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. 378890 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 378890



Yates Petroleum Corporation, Artesia, NM
Serrano Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-Surface (N)	S	Jun-24-10 09:15	2 - 2 In	378890-001
CS-00.5 (N)	S	Jun-24-10 09:27	6 - 6 In	378890-002
CS-Surface (E)	S	Jun-24-10 09:42	2 - 2 In	378890-003
CS-00.5 (E)	S	Jun-24-10 10:00	6 - 6 In	378890-004



CASE NARRATIVE

Client Name: Yates Petroleum Corporation
Project Name: Serrano Federal # 1



Project ID: 30-015-28166
Work Order Number: 378890

Report Date: 30-JUN-10
Date Received: 06/25/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-812321 Percent Moisture

None

Batch: LBA-812356 TPH by SW 8015B
SW8015B_NM

Batch 812356, 1-Chlorooctane, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 378890-001.

Batch: LBA-812379 BTEX by EPA 8021
SW8021BM

Batch 812379, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 378890-002, -003, -001.
The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

SW8021BM

Batch 812379, 4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis
Samples affected are: 378890-001.



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Serrano Federal # 1



Project ID: 30-015-28166
Work Order Number: 378890

Report Date: 30-JUN-10
Date Received: 06/25/2010

Batch: LBA-812605 BTEX by EPA 8021
SW8021BM

Batch 812605, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis
Samples affected are: 378890-004.

SW8021BM

Batch 812605, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 378890-004.
The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

SW8021BM

Batch 812605, Benzene RPD was outside QC limits.
Samples affected are: 378890-004



Certificate of Analysis Summary 378890

Yates Petroleum Corporation, Artesia, NM

Project Name: Serrano Federal # 1



Date Received in Lab: Fri Jun-25-10 10:01 am

Project Id: 30-015-28166

Contact: Robert Asher

Report Date: 30-JUN-10

Project Location: Eddy County

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	378890-001	378890-002	378890-003	378890-004		
	<i>Field Id:</i>	CS-Surface (N)	CS-00.5 (N)	CS-Surface (E)	CS-00.5 (E)		
	<i>Depth:</i>	2-2 In	6-6 In	2-2 In	6-6 In		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Jun-24-10 09:15	Jun-24-10 09:27	Jun-24-10 09:42	Jun-24-10 10:00		
BTEX by EPA 8021	<i>Extracted:</i>	Jun-25-10 11:45	Jun-25-10 11:45	Jun-25-10 11:45	Jun-28-10 16:30		
	<i>Analyzed:</i>	Jun-26-10 03:04	Jun-25-10 22:57	Jun-26-10 03:26	Jun-29-10 08:04		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0.0010	ND 0.0011	ND 0.0010	ND 0.2185		
Toluene		ND 0.0021	ND 0.0022	ND 0.0021	ND 0.4370		
Ethylbenzene		ND 0.0010	ND 0.0011	ND 0.0010	0.4152 0.2185		
m,p-Xylenes		ND 0.0021	0.0023 0.0022	ND 0.0021	5.421 0.4370		
o-Xylene		ND 0.0010	ND 0.0011	ND 0.0010	1.530 0.2185		
Xylenes, Total		ND 0.0010	0.0023 0.0011	ND 0.0010	6.951 0.2185		
Total BTEX		ND 0.0010	0.0023 0.0011	ND 0.0010	7.366 0.2185		
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-26-10 09:30	Jun-26-10 09:30	Jun-26-10 09:30	Jun-26-10 09:30		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		4.00 1.00	9.71 1.00	3.78 1.00	8.47 1.00		
TPH by SW 8015B	<i>Extracted:</i>	Jun-25-10 12:00	Jun-25-10 12:00	Jun-25-10 12:00	Jun-25-10 12:00		
	<i>Analyzed:</i>	Jun-25-10 15:58	Jun-25-10 16:25	Jun-25-10 16:53	Jun-25-10 17:20		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C10 Gasoline Range Hydrocarbons		160 78.2	70.8 16.5	25.6 15.6	379 16.3		
C10-C28 Diesel Range Hydrocarbons		33800 78.2	2470 16.5	4170 15.6	2660 16.3		
Total TPH		33960 78.2	2541 16.5	4196 15.6	3039 16.3		

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



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: 6/25/10 10:01
 Lab ID #: 378890 / 378892
 Initials: JL

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 1.5 °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 378892

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Serrano Federal # 1

30-015-28166

30-JUN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), 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-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

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



30-JUN-10

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

Reference: XENCO Report No: **378892**
Serrano Federal # 1
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 378892. 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. 378892 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 378892



Yates Petroleum Corporation, Artesia, NM
Serrano Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
CS-Surface (N)	S	Jun-24-10 09:15	2 - 2 In	378892-001
CS-00.5 (N)	S	Jun-24-10 09:27	6 - 6 In	378892-002
CS-Surface (E)	S	Jun-24-10 09:42	2 - 2 In	378892-003
CS-00.5 (E)	S	Jun-24-10 10:00	6 - 6 In	378892-004



CASE NARRATIVE

Client Name: Yates Petroleum Corporation

Project Name: Serrano Federal # 1



Project ID: 30-015-28166

Report Date: 30-JUN-10

Work Order Number: 378892

Date Received: 06/25/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-812321 Percent Moisture

None

Batch: LBA-812545 Inorganic Anions by EPA 300

None



Certificate of Analysis Summary 378892

Yates Petroleum Corporation, Artesia, NM

Project Name: Serrano Federal # 1



Date Received in Lab: Fri Jun-25-10 10:01 am

Report Date: 30-JUN-10

Project Manager: Brent Barron, II

Project Id: 30-015-28166
 Contact: Robert Asher
 Project Location: Eddy County

<i>Analysis Requested</i>	<i>Lab Id:</i>	378892-001	378892-002	378892-003	378892-004		
	<i>Field Id:</i>	CS-Surface (N)	CS-00.5 (N)	CS-Surface (E)	CS-00.5 (E)		
	<i>Depth:</i>	2-2 In	6-6 In	2-2 In	6-6 In		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Jun-24-10 09:15	Jun-24-10 09:27	Jun-24-10 09:42	Jun-24-10 10:00		
Anions in Soil By EPA 300.0	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-28-10 08:38	Jun-28-10 08:38	Jun-28-10 08:38	Jun-28-10 08:38		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		1060 43.8	195 9.30	704 21.8	151 9.18		
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-26-10 09:30	Jun-26-10 09:30	Jun-26-10 09:30	Jun-26-10 09:30		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		4.00 1.00	9.71 1.00	3.78 1.00	8.47 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 effect the recovery of the spike concentration. This condition could also effect 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 MQL and above the SQL.
- 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
- PQL** Practical Quantitation Limit
- * Outside XENCO's scope of NELAC Accreditation.

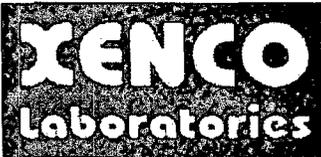
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	Phone	Fax
4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



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: 6/25/10 10:01
 Lab ID #: 378890 / 378892
 Initials: JL

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 1.5 °C	lbs °C	lbs °C	lbs °C	lbs °C

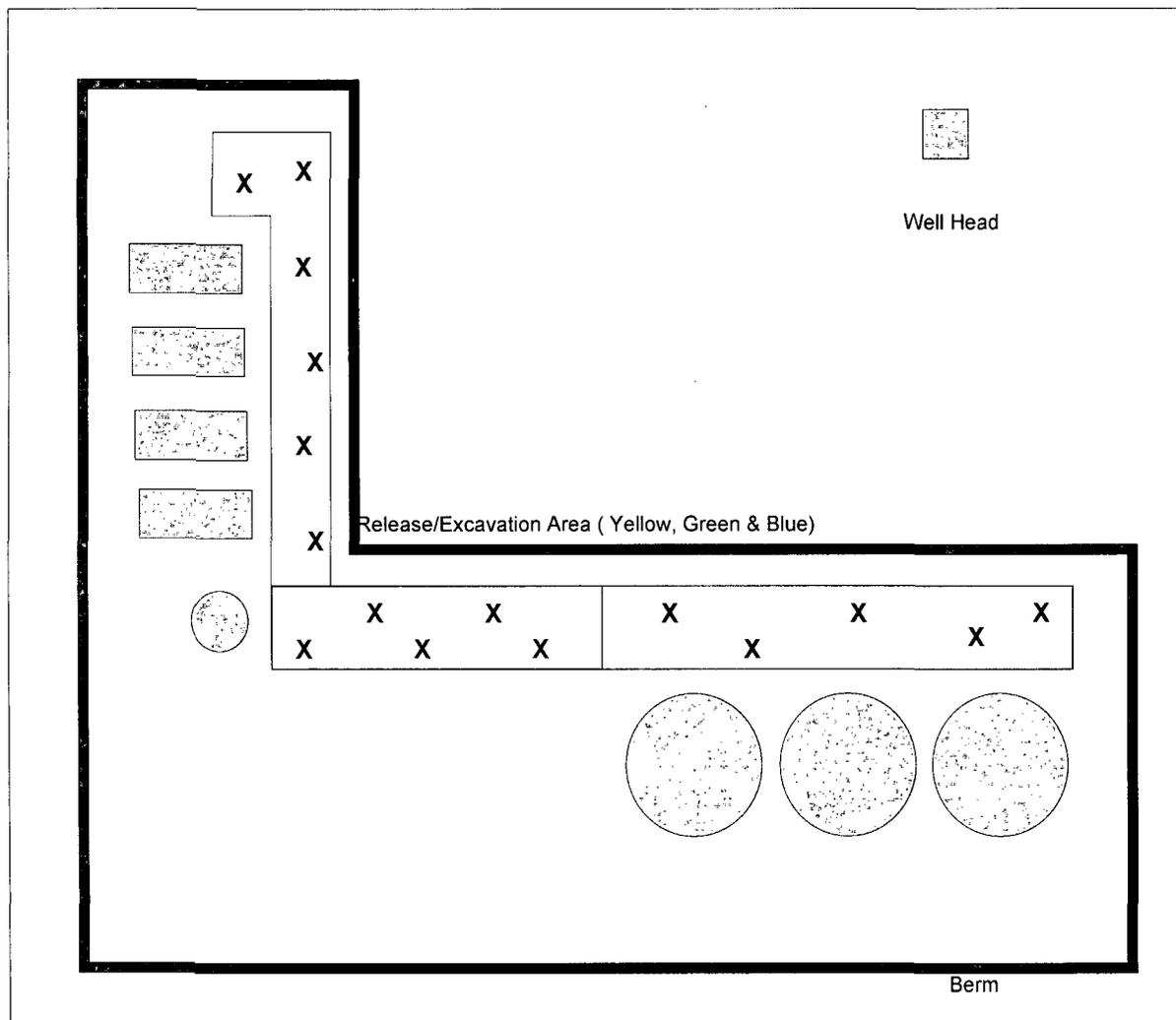
Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

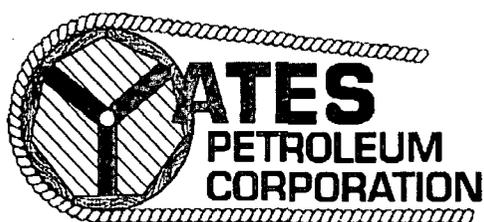
- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis



Sample ID	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TPH TOTAL	Chlorides
GS/Comp-001	12/23/2008	Grab/Auger	8"-12"	0.5685	30.9	326	356.9	194.0
GS/Comp-002	12/23/2008	Grab/Auger	8"-12"	2.8068	57.6	1670	1727.6	66.3
GS/Comp-003	12/23/2008	Grab/Auger	8"-12"	0.0205	22.6	2070	2092.6	194.0

Site Ranking is Ten (10). Depth to Ground Water 50' - 99' (approx. 80'). All results are ppm.

X - Sample Points taken. Chlorides for documentation.



Serrano Federal #1
30-015-28166
Section 11, T19S-R25E
Eddy County, NM

SAMPLE DIAGRAM (Not to Scale)

Xenco Report #: 320867 & 320870
Report Date: 12/24/2008

Prepared by Robert Asher
Environmental Regulatory Agent

Analytical Report 320867

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Serrano Federal # 1

30-015-28166

24-DEC-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:

Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:

Norcross(Atlanta), GA 98015

North Carolina certification numbers:

Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



24-DEC-08

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

Reference: XENCO Report No: **320867**
Serrano Federal # 1
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 320867. 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. 320867 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 320867



Yates Petroleum Corporation, Artesia, NM
Serrano Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Dec-18-08 10:48	8 - 12 In	320867-001
GS/Comp-002	S	Dec-18-08 11:08	8 - 12 In	320867-002
GS/Comp-003	S	Dec-18-08 11:29	8 - 12 In	320867-003



Certificate of Analysis Summary 320867

Yates Petroleum Corporation, Artesia, NM

Project Name: Serrano Federal # 1



Project Id: 30-015-28166

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Dec-19-08 12:00 pm

Report Date: 24-DEC-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	320867-001	320867-002	320867-003			
	<i>Field Id:</i>	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	<i>Depth:</i>	8-12 In	8-12 In	8-12 In			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Dec-18-08 10:48	Dec-18-08 11:08	Dec-18-08 11:29			
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-23-08 14:00	Dec-22-08 14:00	Dec-23-08 14:00			
	<i>Analyzed:</i>	Dec-23-08 18:37	Dec-22-08 22:08	Dec-23-08 19:01			
	<i>Units/RL:</i>	mg/kg	mg/kg	mg/kg			
		RL	RL	RL			
Benzene		ND 0.0058	ND 0.0570	ND 0.0056			
Toluene		0.1341 0.0117	0.3472 0.1140	ND 0.0112			
Ethylbenzene		0.0224 0.0058	0.3113 0.0570	0.0063 0.0056			
m,p-Xylenes		0.1261 0.0117	1.564 0.1140	0.0142 0.0112			
o-Xylene		0.2859 0.0058	0.5843 0.0570	ND 0.0056			
Total Xylenes		0.412 0.0117	2.1483 0.1140	0.0142 0.0112			
Total BTEX		0.5685 0.0058	2.8068 0.0570	0.0205 0.0056			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Dec-19-08 17:00	Dec-19-08 17:00	Dec-19-08 17:00			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		14.48 1.00	12.29 1.00	10.70 1.00			
TPH By SW8015B Mod	<i>Extracted:</i>	Dec-22-08 09:00	Dec-22-08 09:00	Dec-22-08 09:00			
	<i>Analyzed:</i>	Dec-22-08 15:24	Dec-22-08 15:48	Dec-22-08 16:13			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
C6-C10 Gasoline Range Hydrocarbons		30.9 17.5	57.6 17.1	22.6 16.8			
C10-C28 Diesel Range Hydrocarbons		326 17.5	1670 17.1	2070 16.8			
Total TPH		356.9 17.5	1727.6 17.1	2092.6 16.8			

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
Odessa Laboratory Director



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 effect the recovery of the spike concentration. This condition could also effect 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 MQL and above the SQL.
- 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.

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 2505 North Falkenburg Rd, Tampa, FL 33619
 5757 NW 158th St, Miami Lakes, FL 33014
 12600 West I-20 East, Odessa, TX 79765
 842 Cantwell Lane, Corpus Christi, TX 78408

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Yates RET.
 Date/ Time: 12-19-05 12:00
 Lab ID #: 320867 / 320870
 Initials: AL

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	Yes	No	4.5 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

Analytical Report 320870

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Serrano Federal # 1

30-015-28166

22-DEC-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:

Houston, TX T104704215-08B-TX - Odessa/Midland, TX T104704400-08-TX

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

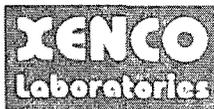
South Carolina certification numbers:

Norcross(Atlanta), GA 98015

North Carolina certification numbers:

Norcross(Atlanta), GA 483

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Midland - Corpus Christi - Atlanta



22-DEC-08

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

Reference: XENCO Report No: **320870**
Serrano Federal # 1
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 320870. 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. 320870 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 320870



Yates Petroleum Corporation, Artesia, NM
Serrano Federal # 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Dec-18-08 10:48	8 - 12 In	320870-001
GS/Comp-002	S	Dec-18-08 11:08	8 - 12 In	320870-002
GS/Comp-003	S	Dec-18-08 11:29	8 - 12 In	320870-003



Certificate of Analysis Summary 320870

Yates Petroleum Corporation, Artesia, NM

Project Name: Serrano Federal # 1



Project Id: 30-015-28166

Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Fri Dec-19-08 12:00 pm

Report Date: 22-DEC-08

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	320870-001	320870-002	320870-003			
	<i>Field Id:</i>	GS/Comp-001	GS/Comp-002	GS/Comp-003			
	<i>Depth:</i>	8-12 in	8-12 in	8-12 in			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Dec-18-08 10:48	Dec-18-08 11:08	Dec-18-08 11:29			
Anions by EPA 300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Dec-19-08 23:26	Dec-19-08 23:26	Dec-19-08 23:26			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		194 11.7	66.3 11.4	194 11.2			
Percent Moisture	<i>Extracted:</i>						
	<i>Analyzed:</i>	Dec-19-08 17:00	Dec-19-08 17:00	Dec-19-08 17:00			
	<i>Units/RL:</i>	% RL	% RL	% RL			
Percent Moisture		14.48 1.00	12.29 1.00	10.70 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.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi


Brent Barron
Odessa Laboratory Director



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 effect the recovery of the spike concentration. This condition could also effect 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 MQL and above the SQL.
- 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.

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2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

Environmental Lab of Texas
 Variance/ Corrective Action Report- Sample Log-In

Client: Yates RET.
 Date/ Time: 12-19-05 12:00
 Lab ID #: 320867 / 320870
 Initials: AL

Sample Receipt Checklist

			Client Initials		
#1	Temperature of container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4.5 °C	
#2	Shipping container in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#3	Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Present	
#5	Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#6	Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#7	Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#8	Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#11	Containers supplied by ELOT?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#12	Samples in proper container/ bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#13	Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#14	Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#15	Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#16	Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
#17	Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#18	All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	See Below	
#19	Subcontract of sample(s)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	
#20	VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event