

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

September 12, 2011

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

Re: Cigarillo SWD #1  
2RP-849  
30-015-21643  
Section 36, T23S-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 July 26, 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 September 20, 2011.**

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

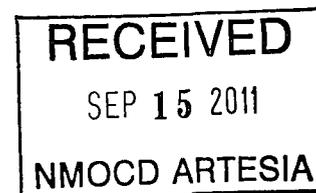
Thank you.

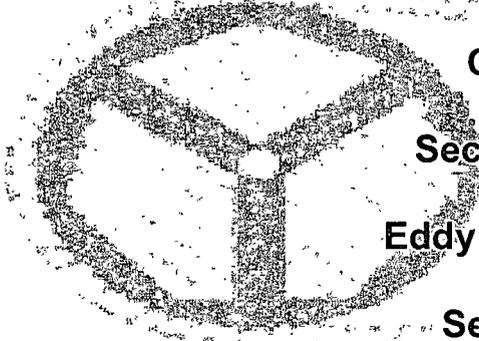
YATES PETROLEUM CORPROATION

A handwritten signature in cursive script that reads 'Amber Cannon'.

Amber Cannon  
Environmental Regulatory Agent Trainee

Enclosure(s)





**Yates Petroleum Corporation**

**Cigarillo SWD #1**

**Section 36, T23S-R27E**

**Eddy County, New Mexico**

**September 12, 2011**

**I. Location**

The well is located approximately 3 miles southwest of Loving, NM and 0.1 miles north of Bounds Road, as represented by the attached Otis, NM, USGS Quadrangle Map.

**II. Background**

On July 27, 2011, Yates submitted to the NMOCD District II office a Form C-141 for a release of 380 B/PW with 367 B/PW recovered. The total affected area is approximately 150 feet by 95 feet. The release was from a suction line on the primary water pump rupturing. A contractor excavated visible contamination (approximately 6"-12") of impacted soils; those impacted soils were taken to an NMOCD approved facility. Initial delineation samples were taken (8/30/2011) and sent to an NMOCD approved laboratory (9/8/2011, 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 35, T23S-R27E) shows depth to groundwater approximately 67 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'

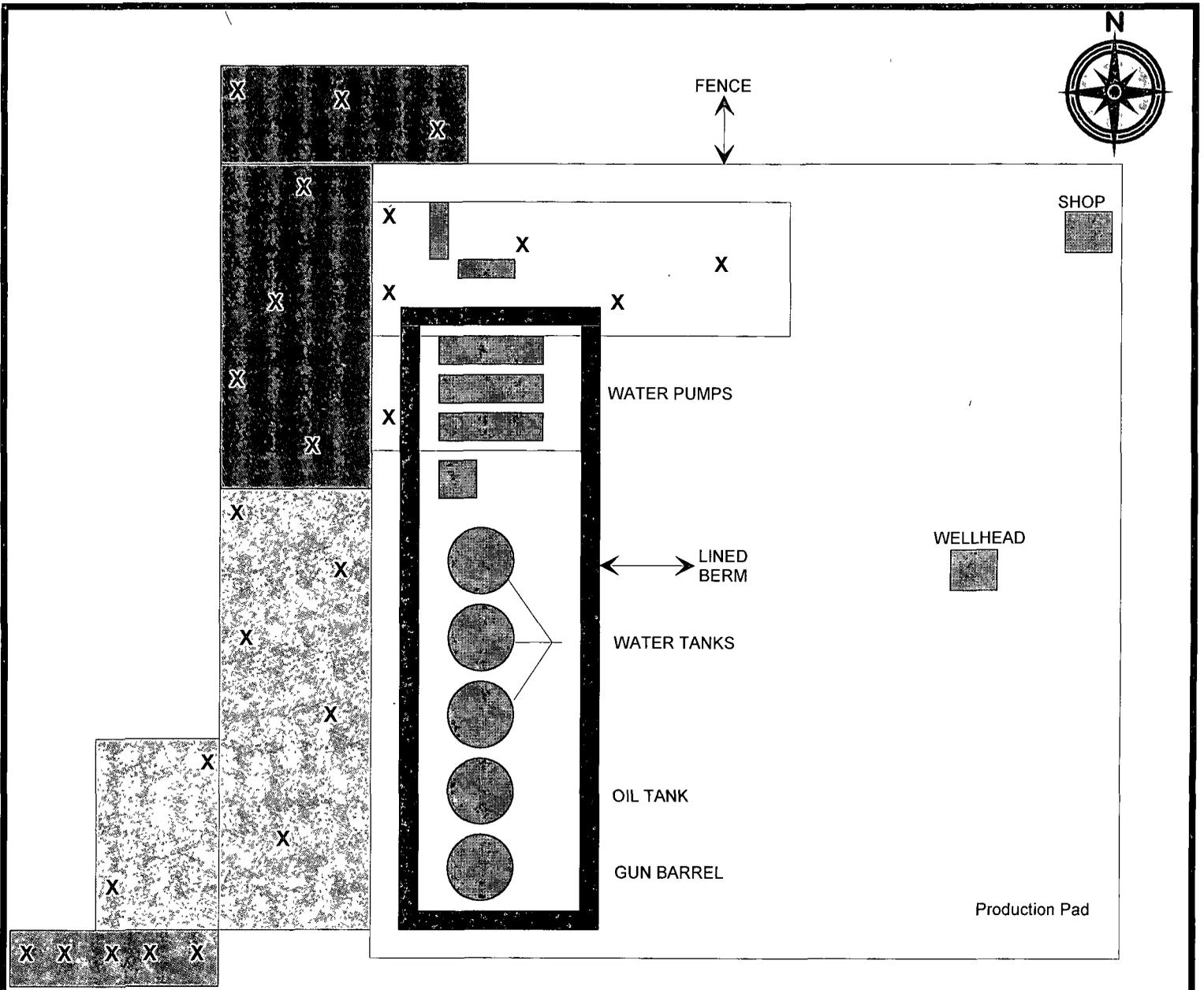
**IV. Soils**

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 on release/excavation area, 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 sampling area was divided into four separate sections. The initial sample results ran on August 30, 2001 for sections 2, 3, and 4 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 for these sections. The initial sample results ran for section 1 for TPH & BTEX are not within the RRAL's for BTEX and TPH and further delineation samples will be taken. 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.





LEASE ROAD

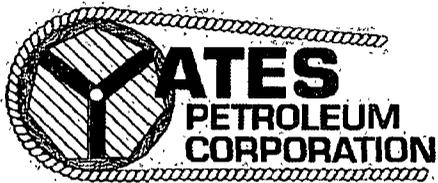
Analytical Report- 426981 & 426978	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
Comp-#1	Release Area	8/30/2011	Comp/Shovel	6" BSL*	0.0270	30.7	1500	1530	27,400
Comp-#2	Release Area	8/30/2011	Comp/Shovel	6" BSL*	ND	ND	39.3	39.3	15,700
Comp-#3	Release Area	8/30/2011	Comp/Shovel	6" BSL*	ND	ND	802	802	17,700
Comp-#4	Release Area	8/30/2011	Comp/Shovel	6" BSL*	ND	ND	745	745	15,300

Site Ranking is Ten (10). Depth to Ground Water 50-99' (approx. 67', Section 35-23S-27E, per NMOSE).

All results are ppm. Chlorides for documentation. X - Sample Points

Released: 380 B/PW; Recovered: 367 B/PW. Release Date: 7/24/2011

\*BSL: Below Surface Level



**Cigarillo SWD #1**  
**30-015-21643**  
**Section 36, T23S-R27E**  
**Eddy County, NM**

**SAMPLE DIAGRAM (Not to Scale)**

**Xenco Laboratories #426981 & 426978**  
**Report Date: 9/8/2011**

**Prepared by Amber Cannon**  
**Environmental Regulatory Agent Trainee**

# Analytical Report 426978

for

## Yates Petroleum Corporation

Project Manager: Amber Cannon

Cigarillo SWD #1

30-015-21643

08-SEP-11

Collected By: Client



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**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)



08-SEP-11

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

Reference: XENCO Report No: **426978**  
**Cigarillo SWD #1**  
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 426978. 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. 426978 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

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.*

*Certified and approved by numerous States and Agencies.*

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**Sample Cross Reference 426978**



**Yates Petroleum Corporation, Artesia, NM**  
Cigarillo SWD #1

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
Comp-#1	S	08-30-11 09:33	2 - 2 In	426978-001
Comp-#2	S	08-30-11 09:45	2 - 2 In	426978-002
Comp-#3	S	08-30-11 09:55	2 - 2 In	426978-003
Comp-#4	S	08-30-11 10:06	2 - 2 In	426978-004



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*  
*Project Name: Cigarillo SWD #1*



*Project ID: 30-015-21643*  
*Work Order Number: 426978*

*Report Date: 08-SEP-11*  
*Date Received: 09/02/2011*

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**Sample receipt non conformances and comments:**

None

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**Sample receipt non conformances and comments per sample:**

None

**Analytical non nonformances and comments:**

*Batch: LBA-869210 BTEX by EPA 8021B*  
*SW8021BM*

*Batch 869210, Ethylbenzene, Toluene, m\_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.*

*Samples affected are: 426978-004, -002, -001, -003.*

*The Laboratory Control Sample for Toluene, Ethylbenzene, m\_p-Xylenes , o-Xylene is within laboratory Control Limits*

*Batch: LBA-869330 TPH By SW8015B Mod*  
*SW8015B\_NM*

*Batch 869330, C6-C10 Gasoline Range Hydrocarbons recovered below QC limits in the Matrix Spike Duplicate.*

*Samples affected are: 426978-004, -002, -001, -003.*

*The Laboratory Control Sample for C6-C10 Gasoline Range Hydrocarbons is within laboratory Control Limits*



# Certificate of Analysis Summary 426978

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-21643

Contact: Amber Cannon

Project Location: Eddy County

Project Name: Cigarillo SWD #1

Date Received in Lab: Fri Sep-02-11 08:00 am

Report Date: 08-SEP-11

Project Manager: Brent Barron II

Analysis Requested	Lab Id:	426978-001	426978-002	426978-003	426978-004		
	Field Id:	Comp-#1	Comp-#2	Comp-#3	Comp-#4		
	Depth:	2-2 In	2-2 In	2-2 In	2-2 In		
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	Aug-30-11 09:33	Aug-30-11 09:45	Aug-30-11 09:55	Aug-30-11 10:06		
<b>BTEX by EPA 8021B</b>	Extracted:	Sep-02-11 12:00	Sep-02-11 12:00	Sep-02-11 12:00	Sep-02-11 12:00		
	Analyzed:	Sep-03-11 14:36	Sep-03-11 08:52	Sep-03-11 09:15	Sep-03-11 09:38		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		ND 0.00101	ND 0.000992	ND 0.00101	ND 0.00100		
Toluene		ND 0.00201	ND 0.00198	ND 0.00201	ND 0.00200		
Ethylbenzene		0.00286 0.00101	ND 0.000992	ND 0.00101	ND 0.00100		
m_p-Xylenes		0.0168 0.00201	ND 0.00198	ND 0.00201	ND 0.00200		
o-Xylene		0.00732 0.00101	ND 0.000992	ND 0.00101	ND 0.00100		
Total Xylenes		0.0241 0.00101	ND 0.000992	ND 0.00101	ND 0.00100		
Total BTEX		0.0270 0.00101	ND 0.000992	ND 0.00101	ND 0.00100		
<b>Percent Moisture</b>	Extracted:						
	Analyzed:	Sep-02-11 10:00	Sep-02-11 10:00	Sep-02-11 10:00	Sep-02-11 10:00		
	Units/RL:	% RL	% RL	% RL	% RL		
Percent Moisture		1.45 1.00	ND 1.00	ND 1.00	ND 1.00		
<b>TPH By SW8015B Mod</b>	Extracted:	Sep-02-11 14:30	Sep-02-11 14:30	Sep-02-11 14:30	Sep-02-11 14:30		
	Analyzed:	Sep-03-11 16:11	Sep-03-11 16:42	Sep-03-11 17:13	Sep-03-11 17:44		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
C6-C10 Gasoline Range Hydrocarbons		30.7 15.1	ND 15.0	ND 15.1	ND 15.1		
C10-C28 Diesel Range Hydrocarbons		1500 15.1	39.3 15.0	802 15.1	745 15.1		
Total TPH		1530 15.1	39.3 15.0	802 15.1	745 15.1		

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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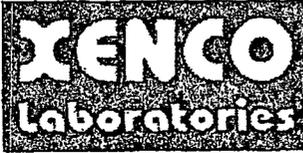
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 5757 NW 158th St, Miami Lakes, FL 33014  
 12600 West I-20 East, Odessa, TX 79765  
 6017 Financial Drive, Norcross, GA 30071  
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(210) 509-3334	(210) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(770) 449-8800	(770) 449-5477
(602) 437-0330	





**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: 9-2-11 8:00  
 Lab ID #: 426978 / 426981-C1  
 Initials: RL

**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>4.1</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 426981

## for Yates Petroleum Corporation

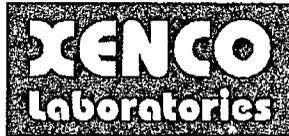
Project Manager: Amber Cannon

Cigarillo SWD #1

30-015-21643

08-SEP-11

Collected By: Client



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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)



08-SEP-11

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

Reference: XENCO Report No: **426981**  
**Cigarillo SWD #1**  
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 426981. 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. 426981 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 426981**



**Yates Petroleum Corporation, Artesia, NM**  
Cigarillo SWD #1

<b>Sample Id</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Sample Depth</b>	<b>Lab Sample Id</b>
Comp-#1	S	08-30-11 09:33	2 - 2 In	426981-001
Comp-#2	S	08-30-11 09:45	2 - 2 In	426981-002
Comp-#3	S	08-30-11 09:55	2 - 2 In	426981-003
Comp-#4	S	08-30-11 10:06	2 - 2 In	426981-004



## CASE NARRATIVE

*Client Name: Yates Petroleum Corporation*

*Project Name: Cigarillo SWD #1*



*Project ID: 30-015-21643*

*Report Date: 08-SEP-11*

*Work Order Number: 426981*

*Date Received: 09/02/2011*

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**Sample receipt non conformances and comments:**

*None*

---

**Sample receipt non conformances and comments per sample:**

*None*



# Certificate of Analysis Summary 426981

Yates Petroleum Corporation, Artesia, NM

Project Name: Cigarillo SWD #1



Project Id: 30-015-21643

Contact: Amber Cannon

Project Location: Eddy County

Date Received in Lab: Fri Sep-02-11 08:00 am

Report Date: 08-SEP-11

Project Manager: Brent Barron II

<i>Analysis Requested</i>	<i>Lab Id:</i>	426981-001	426981-002	426981-003	426981-004		
	<i>Field Id:</i>	Comp-#1	Comp-#2	Comp-#3	Comp-#4		
	<i>Depth:</i>	2-2 In	2-2 In	2-2 In	2-2 In		
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Aug-30-11 09:33	Aug-30-11 09:45	Aug-30-11 09:55	Aug-30-11 10:06		
<b>Anions by E300</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-07-11 19:40	Sep-07-11 19:40	Sep-07-11 19:40	Sep-07-11 19:40		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		27400 852	15700 420	17700 423	15300 423		
<b>Percent Moisture</b>	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-02-11 10:00	Sep-02-11 10:00	Sep-02-11 10:00	Sep-02-11 10:00		
	<i>Units/RL:</i>	% RL	% RL	% RL	% RL		
Percent Moisture		1.45 1.00	ND 1.00	ND 1.00	ND 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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**XENCO Laboratories**  
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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: 9-2-11 8:00  
 Lab ID #: 426978/426981-C  
 Initials: SM

**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>4.1</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