

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (505) 748-1471

S.P. YATES
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JOHN A. YATES
CHAIRMAN OF THE BOARD

PEYTON YATES
PRESIDENT

FRANK YATES, JR.
EXECUTIVE VICE PRESIDENT

JOHN A. YATES, JR.
SENIOR VICE PRESIDENT

December 27, 2007

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

Re: Doc BHU State #1
30-015-34552
Section 5, T25S-R30E
Eddy County, New Mexico

DEC 27 2007
OCD-ARTESIA

Dear Mr. Bratcher,

Per our discussion on December 21, 2007, enclosed please find a Form C-141, Final Report for the above captioned site regarding the release on September 14, 2007 (2 B/O & 73 B/PW with 0 B/O & 30 B/PW recovered). Impacted soils were tilled and nitrogen fertilizer applied. Samples were taken on December 6, 2007 and sent to an OCD approved laboratory (analytical reports were submitted to your office on 12/17/2007). Site ranking is zero (0), with the depth to ground water >100' (approximately 325'). Yates Petroleum Corporation requests closure.

If you have any questions, please call me at 505-748-4217.

Thank you.

YATES PETROLEUM CORPORATION

Robert Asher
Environmental Regulatory Agent

/rca
Enclosure(s)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

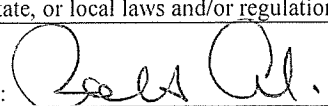
Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street		Telephone No. 505-748-1471
Facility Name Doc BHU State #1	API Number 30-015-34552	Facility Type Battery
Surface Owner State	Mineral Owner State	Lease No. VO-6670

LOCATION OF RELEASE

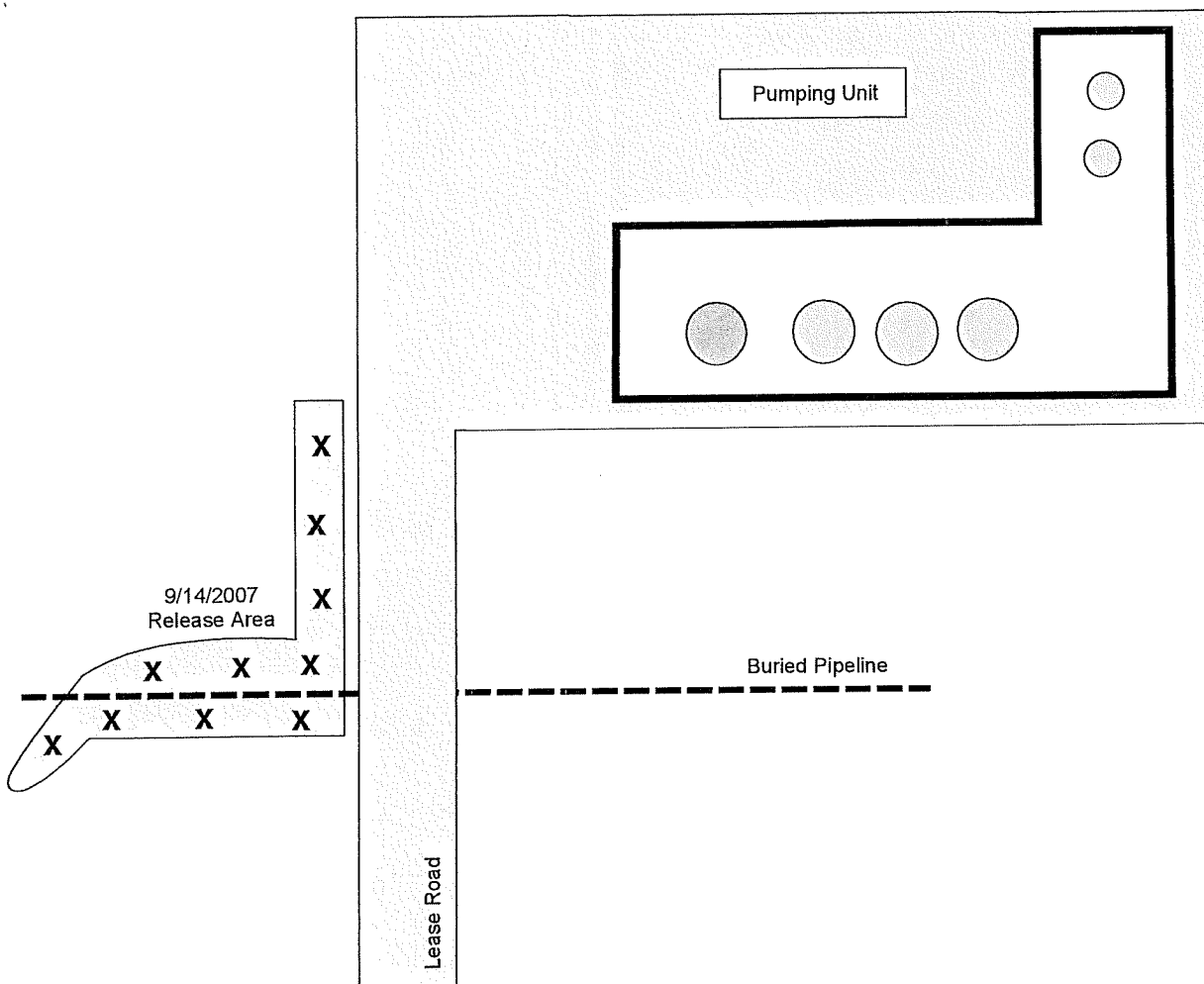
Unit Letter O	Section 5	Township 25S	Range 30E	Feet from the 33	North/South Line South	Feet from the 2310	East/West Line East	County Eddy
------------------	--------------	-----------------	--------------	---------------------	---------------------------	-----------------------	------------------------	----------------

Latitude 32.15292 Longitude 103.90174

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 2 B/O & 73 B/PW	Volume Recovered 0 B/O & 30 B/PW
Source of Release Frac Tank	Date and Hour of Occurrence 9/14/2007 PM	Date and Hour of Discovery 9/14/2007 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/NMOCD District II	
By Whom? Jerry Fanning/YPC Environmental	Date and Hour 9/15/2007 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Leak in frac tank causing release. Vacuum truck called.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 20' X 30' on well pad and 10' X 50' off well pad. Produced water picked up and tank replaced. Soils on well pad to be excavated and hauled to OCD approved land disposal facility, nitrogen fertilizer to be applied and tilled into soils on area off of well pad. Vertical and horizontal delineation to be conducted and if needed further corrective action will be taken. Samples taken (12/6/2007). Depth to Ground Water: >100' (approximately 325'), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. With enclosed information, Yates Petroleum Corporation requests closure.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:
E-mail Address: boba@ypcnm.com	Conditions of Approval:	Attached ☐
Date: Thursday, December 27, 2007	Phone: 505-748-1471	

* Attach Additional Sheets If Necessary



Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)	Chlorides
GS/Comp-001	12/6/2007	Grab/Auger	6"-12"	ND	ND	59.6	59.6	325

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 325'). Because of rocky subsurface could auger no deeper.
 Analytical testing performed at Environmental Lab of Texas. All results are ppm.



Doc BHU State #1
 Section 5, T25S-R30E
 Eddy County, NM

SAMPLE DIAGRAM EXHIBIT
 (Not to Scale)

Prepared by Robert Asher
 Environmental Regulatory Agent
 December 27, 2007

Analytical Report 294160

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Doc BHU State#1

30-015-34552

14-DEC-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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



14-DEC-07

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

Reference: XENCO Report No: **294160**
Doc BHU State#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 294160. 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. 294160 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 294160

Yates Petroleum Corporation, Artesia, NM

Doc BHU State#1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Dec-06-07 10:46	6" - 12" In	294160-001



Certificate of Analysis Summary 294160

Yates Petroleum Corporation, Artesia, NM

Project Id: 30-015-34552
Contact: Robert Asher
Project Location: Eddy County

Project Name: Doc BHU State#1

Date Received in Lab: Fri Dec-07-07 10:30 am
Report Date: 14DEC-07
Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	294160-001				
		Field Id:	GS Comp-001				
		Depth:	6'-12" In				
		Matrix:	SOIL				
		Sampled:	Dec-06-07 10:46				
BTEX by EPA 8021B		Extracted:	Dec-10-07 17:21				
		Analyzed:	Dec-11-07 02:55				
		Units: RL	mg/kg				
Benzene			ND 0.0011				
Toluene			ND 0.0021				
Ethylbenzene			ND 0.0011				
m,p-Xylenes			ND 0.0021				
o-Xylene			ND 0.0011				
Xylenes, Total			ND				
Total BTEX			ND				
Inorganic Anions by EPA 300		Extracted:	Dec-07-07 14:32				
		Analyzed:	mg/kg				
		Units: RL	RL				
Chloride			325				
Percent Moisture		Extracted:	Dec-07-07 13:26				
		Analyzed:	%				
		Units: RL	RL				
TPH by SW 8015B		Extracted:	Dec-11-07 14:45				
		Analyzed:	Dec-12-07 20:09				
		Units: RL	mg/kg				
C6-C10 Gasoline Range Hydrocarbons			ND				
C10-C25 Diesel Range Hydrocarbons			59.6				
Total TPH			59.6				

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 MDCO Laboratories. MDCO 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.
- * Outside XENCO'S scope of NELAC Accreditation

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client Yates
 Date/ Time 12/10/07 10:00
 Lab ID # 294160
 Initials QMAX

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	<u>4.0</u> °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#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	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELDT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	<u>Yes</u>	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	<u>Yes</u>	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

Environmental Lab of Texas

A Xerox Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West 1-20 East
Odessa, Texas 79708

Phone: 432-853-1300
Fax: 432-853-1718

Project Manager: Robert Ayres

Project Name: One BHU State #1

Company Name: Yates Petroleum Corporation

Project #: 00-015-34552

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Ardmore, NM 88210

PO #: 125532

Telephone No.: 505-748-4217

Fax No.: 505-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *[Signature]*

e-mail: bob@yatesoil.com

(Lab use only)

ORDER #: 294160

LAB # (Lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Preservative & # of Containers	MATRIX	ANALYSIS FOR:
-001	GS/Comp-001	5"	12"	12/5/2007	10:46 AM	None	Other (Specify)	☒ TOX ☒ METALS ☒ VOLATILES ☒ SEMI-VOLATILES ☒ BTEX ☒ NORM ☒ CHLORIDES ☒ SULFIDES ☒ AMMONIA ☒ NITRATES ☒ PHOSPHATES ☒ SILICATE ☒ FLUORIDE ☒ BORON ☒ ZINC ☒ CADMIUM ☒ CHROMIUM ☒ COBALT ☒ COPPER ☒ IRON ☒ LEAD ☒ MANGANESE ☒ NICKEL ☒ SILVER ☒ SODIUM ☒ THALLIUM ☒ VANADIUM ☒ ZINC ☒ ZIRCONIUM

Special Instructions: TPAH: 80155; BTEX: 80218 & Chlorides. Please show BTEX results as mg/kg. Thank you.

Requisitioned by: *[Signature]* Date: 12/05/07 Time: 2:13 PM
 Requisitioned by: *[Signature]* Date: _____ Time: _____
 Requisitioned by: *[Signature]* Date: _____ Time: _____

Received by: *[Signature]* Date: 12/05/07 Time: 10:00 AM

Temperature Upon Receipt: 4.0 °C

MARTIN YATES, III
1912-1985

FRANK W. YATES
1936-1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210-2118
TELEPHONE (505) 748-1471

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EXECUTIVE VICE PRESIDENT

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SENIOR VICE PRESIDENT

December 17, 2007

DEC 17 2007
OCD-ARTESIA

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

Re: Doc BHU State #1
30-015-34552
Section 5, T25S-R30E
Eddy County, New Mexico

Dear Mr. Bratcher:

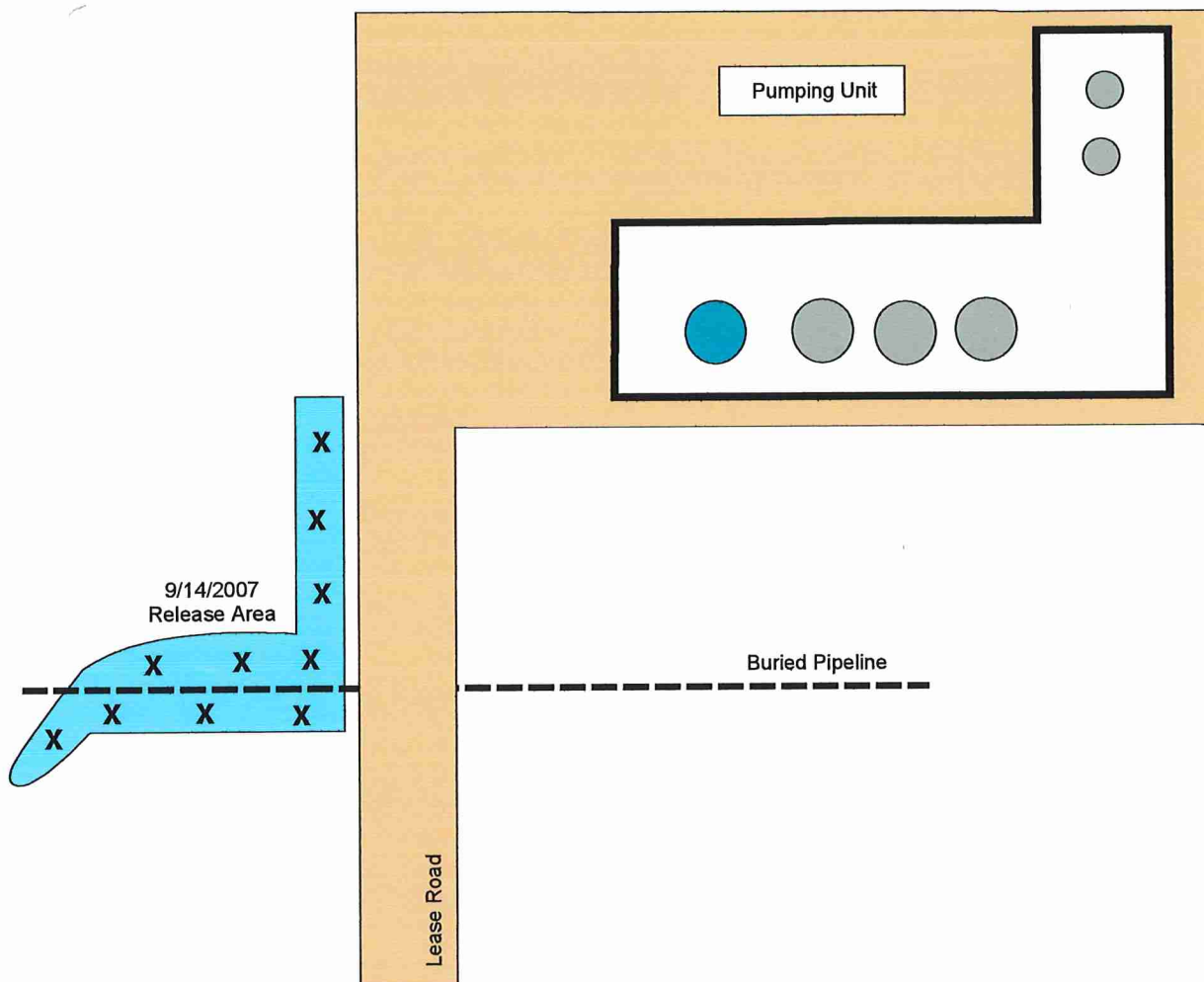
Enclosed, is a sample diagram for the above location for the release on September 14, 2007. Yates Petroleum Corporation had a contractor apply nitrogen fertilizer, water and till the soils of the release area (9/28/2007). Samples were taken on December 6, 2007. Based on analytical results being within NMOCD Guidelines and the site ranking is zero (0), Yates would like to request the results be accepted by the OCD. Upon your approval, Yates would submit a Final Report, C-141 and analytical information to your office for final approval. If you would prefer a sampling event can be scheduled before final approval is granted.

If you have any questions call me at (505) 748-4217

Thank you.

YATES PETROLEUM CORPROATION

Robert Asher
Environmental Regulatory Agent



Sample ID	Sample Date	Sample Type	Depth	BTEX	TPH (GRO)	TPH (DRO)	TPH (TOTAL)	Chlorides
GS/Comp-001	12/6/2007	Grab/Auger	6"-12"	ND	ND	59.6	59.6	325

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 325'). Because of rocky subsurface could auger no deeper.
Analytical testing performed at Environmental Lab of Texas. All results are ppm.



Doc BHU State #1
Section 5, T25S-R30E
Eddy County, NM

SAMPLE DIAGRAM EXHIBIT
(Not to Scale)

Prepared by Robert Asher
Environmental Regulatory Agent
December 17, 2007

Analytical Report 294160

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Doc BHU State#1

30-015-34552

14-DEC-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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



14-DEC-07

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

Reference: XENCO Report No: **294160**
Doc BHU State#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 294160. 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. 294160 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 294160

Yates Petroleum Corporation, Artesia, NM

Doc BHU State#1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Dec-06-07 10:46	6" - 12" In	294160-001



Certificate of Analysis Summary 294160

Yates Petroleum Corporation, Artesia, NM

Project Id: 30-015-34552
Contact: Robert Asher
Project Location: Eddy County

Project Name: Doc BHU State#1

Date Received in Lab: Fri Dec-07-07 10:00 am

Report Date: 14-DEC-07

Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	294160-001				
		Field Id:	GS/Comp-001				
		Depth:	6"-12" In				
		Matrix:	SOIL				
		Sampled:	Dec-06-07 10:46				
BTX by EPA 8021B		Extracted:	Dec-10-07 17:21				
		Analyzed:	Dec-11-07 02:55				
		Units/RL:	mg/kg RL				
Benzene			ND 0.0011				
Toluene			ND 0.0021				
Ethylbenzene			ND 0.0011				
m,p-Xylenes			ND 0.0021				
o-Xylene			ND 0.0011				
Xylenes, Total			ND				
Total BTX			ND				
Inorganic Anions by EPA 300		Extracted:					
		Analyzed:	Dec-07-07 14:32				
		Units/RL:	mg/kg RL				
Chloride			325 107				
Percent Moisture		Extracted:					
		Analyzed:	Dec-07-07 13:26				
		Units/RL:	% RL				
Percent Moisture			6.83 1.00				
TPH by SW 8015B		Extracted:	Dec-11-07 14:45				
		Analyzed:	Dec-12-07 20:09				
		Units/RL:	mg/kg RL				
C6-C10 Gasoline Range Hydrocarbons			ND 16.1				
C10-C28 Diesel Range Hydrocarbons			59.6 16.1				
Total TPH			59.6				

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 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.
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- * Outside XENCO'S scope of NELAC Accreditation

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11381 Meadowglen Lane Suite L Houston, Tx 77082-2647
9701 Harry Hines Blvd, Dallas, TX 75220
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238
2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

Phone	Fax
(281) 589-0692	(281) 589-0695
(214) 902 0300	(214) 351-9139
(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555

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

Client: Yates
Date/ Time: 12/07/07 10:06
Lab ID #: 294160
Initials: gmck

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	4.0 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample Instructions complete of Chain of Custody?	<u>Yes</u>	No	
#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	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable
#20	VOC samples have zero headspace?	<u>Yes</u>	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 294160

for

Yates Petroleum Corporation

Project Manager: Robert Asher

Doc BHU State#1

30-015-34552

14-DEC-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

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



14-DEC-07

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

Reference: XENCO Report No: **294160**
Doc BHU State#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 294160. 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. 294160 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 294160

Yates Petroleum Corporation, Artesia, NM

Doc BHU State#1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
GS/Comp-001	S	Dec-06-07 10:46	6" - 12" In	294160-001



Certificate of Analysis Summary 294160

Yates Petroleum Corporation, Artesia, NM

Project Id: 30-015-34552
Contact: Robert Asher
Project Location: Eddy County

Project Name: Doc BHU State#1

Date Received in Lab: Fri Dec-07-07 10:00 am
Report Date: 14-DEC-07

Project Manager: Brent Barron, II

Analysis Requested		Lab Id:	294160-001				
		Field Id:	GS/Comp-001				
		Depth:	6'-12" In				
		Matrix:	SOIL				
		Sampled:	Dec-06-07 10:46				
BTEX by EPA 8021B		Extracted:	Dec-10-07 17:21				
		Analyzed:	Dec-11-07 02:55				
		Units/RL:	mg/kg RL				
Benzene			ND 0.0011				
Toluene			ND 0.0021				
Ethylbenzene			ND 0.0011				
m,p-Xylenes			ND 0.0021				
o-Xylene			ND 0.0011				
Xylenes, Total			ND				
Total BTEX			ND				
Inorganic Anions by EPA 300		Extracted:					
		Analyzed:	Dec-07-07 14:32				
		Units/RL:	mg/kg RL				
Chloride			325 107				
Percent Moisture		Extracted:					
		Analyzed:	Dec-07-07 13:26				
		Units/RL:	% RL				
Percent Moisture			6.83 1.00				
TPH by SW 8015B		Extracted:	Dec-11-07 14:45				
		Analyzed:	Dec-12-07 20:09				
		Units/RL:	mg/kg RL				
C6-C10 Gasoline Range Hydrocarbons			ND 16.1				
C10-C28 Diesel Range Hydrocarbons			59.6 16.1				
Total TPH			59.6				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretation 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.
- * Outside XENCO'S scope of NELAC Accreditation

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11381 Meadowglen Lane Suite L Houston, Tx 77082-2647
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(281) 589-0692	(281) 589-0695
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(210) 509-3334	(201) 509-3335
(813) 620-2000	(813) 620-2033
(305) 823-8500	(305) 823-8555



Form 2 - Surrogate Recoveries

Project Name: Doc BHU State#1

Work Order #: 294160

Project ID: 30-015-34552

Lab Batch #: 710159

Sample: 294160-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0298	0.0300	99	80-120	
4-Bromofluorobenzene	0.0337	0.0300	112	80-120	

Lab Batch #: 710159

Sample: 502345-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0293	0.0300	98	80-120	
4-Bromofluorobenzene	0.0269	0.0300	90	80-120	

Lab Batch #: 710159

Sample: 502345-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0313	0.0300	104	80-120	
4-Bromofluorobenzene	0.0261	0.0300	87	80-120	

Lab Batch #: 710159

Sample: 502345-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0271	0.0300	90	80-120	

Lab Batch #: 710397

Sample: 294160-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	57.0	50.0	114	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Doc BHU State#1

Work Order #: 294160

Project ID: 30-015-34552

Lab Batch #: 710397

Sample: 294160-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	44.8	50.0	90	70-135	

Lab Batch #: 710397

Sample: 294160-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	113	100	113	70-135	
o-Terphenyl	49.3	50.0	99	70-135	

Lab Batch #: 710397

Sample: 502459-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	111	100	111	70-135	
o-Terphenyl	48.7	50.0	97	70-135	

Lab Batch #: 710397

Sample: 502459-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	94.8	100	95	70-135	
o-Terphenyl	47.5	50.0	95	70-135	

Lab Batch #: 710397

Sample: 502459-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

SURROGATE RECOVERY STUDY					
TPH by SW 8015B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	50.8	50.0	102	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery

Project Name: Doc BHU State#1

Work Order #: 294160

Project ID:

30-015-34552

Lab Batch #: 710063

Sample: 710063-1-BKS

Matrix: Solid

Date Analyzed: 12/07/2007

Date Prepared: 12/07/2007

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	103	103	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

Project Name: Doc BHU State#1

Work Order #: 294160

Analyst: SHE

Lab Batch ID: 710159

Sample: 502345-1-BKS

Date Prepared: 12/10/2007

Batch #: 1

Project ID: 30-015-34552

Date Analyzed: 12/10/2007

Matrix: Solid

Units: mg/kg

BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY													
Units: mg/kg	BTEX by EPA 8021B												
	Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
		Benzene	ND	0.1000	0.1060	106	0.1	0.1111	111	5	70-130	35	
		Toluene	ND	0.1000	0.1032	103	0.1	0.1083	108	5	70-130	35	
		Ethylbenzene	ND	0.1000	0.1004	100	0.1	0.1058	106	5	71-129	35	
		m,p-Xylenes	ND	0.2000	0.1958	98	0.2	0.2068	103	5	70-135	35	
		o-Xylene	ND	0.1000	0.0982	98	0.1	0.1032	103	5	71-133	35	

Analyst: SHE

Date Prepared: 12/11/2007

Date Analyzed: 12/12/2007

Lab Batch ID: 710397

Sample: 502459-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
TPH by SW 8015B											
C6-C10 Gasoline Range Hydrocarbons	ND	1000	1180	118	1000	1230	123	4	70-135	35	
C10-C28 Diesel Range Hydrocarbons	ND	1000	961	96	1000	1010	101	5	70-135	35	

Relative Percent Difference RPD = $200 * (D-F) / (D+F)$
Blank Spike Recovery [D] = $100 * (C) / (B)$
Blank Spike Duplicate Recovery [G] = $100 * (F) / (E)$
All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: Doc BHU State#1

Work Order #: 294160

Lab Batch #: 710063

Date Analyzed: 12/07/2007

QC- Sample ID: 294140-001 S

Reporting Units: mg/kg

Project ID: 30-015-34552

Analyst: LATCOR

Date Prepared: 12/07/2007

Batch #: 1

Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	2730	500	4260	306	75-125	X

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$

Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$

All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries

Project Name: Doc BHU State#1

Work Order #: 294160

Lab Batch ID: 710397

Date Analyzed: 12/12/2007

Reporting Units: mg/kg

Project ID: 30-015-34552

QC- Sample ID: 294160-001 S

Batch #: 1 Matrix: Soil

Date Prepared: 12/11/2007

Analyst: SHE

Reporting Units: mg/kg											
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
TPH by SW 8015B											
Analytes											
Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
ND	1070	1180	110	1070	1270	119	8	70-135	35		
C6-C10 Gasoline Range Hydrocarbons											
C10-C28 Diesel Range Hydrocarbons	59.6	1070	993	87	1070	1070	94	8	70-135	35	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, BQL = Estimated Quantitation Limit

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Sample Duplicate Recovery

Project Name: Doc BHU State#1

Work Order #: 294160

Lab Batch #: 710063

Date Analyzed: 12/07/2007

QC- Sample ID: 294140-001 D

Reporting Units: mg/kg

Project ID: 30-015-34552

Analyst: LATCOR

Date Prepared: 12/07/2007

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Inorganic Anions by EPA 300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	2730	2740	0	20	

Lab Batch #: 710026

Date Analyzed: 12/07/2007

QC- Sample ID: 294159-021 D

Reporting Units: %

Date Prepared: 12/07/2007

Batch #: 1

Analyst: JLG

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	12.5	12.8	2	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-663-1800
Fax: 432-663-1713

Project Manager: Robert Asher

Company Name Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 505-748-4217

Sampler Signature: *[Signature]*

Fax No:

e-mail: boba@vpcnm.com

505-748-4862

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name: Doc BHU State #1

Project #: 30-015-34552

Project Loc: Eddy County

PO #: 105632

(lab use only)

ORDER #: 294160

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Matrix	Preservation & # of Containers	Analyze For:
-D01	GS/Comp-001	6"	12"	12/6/2007	10:46 AM				Ice HNO ₃ HCl H ₂ SO ₄ NaOH Na ₂ S ₂ O ₈ None Other (Specify) DIP-Drinking Water SL-Storage GW-Groundwater S-Solid/Slud N-Non-Petroleum Specify Other	TPH: 418.1 8015M 8016B TPH: 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 Semi-Volatiles BTEX 8021B/8030 or BTEX 8260 RCI NORM Chlorides RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Standard TAT
Special Instructions: TPH: 8016B, BTEX: 8021B & Chlorides. Please show BTEX results as mg/kg. Thank you.										
Relinquished by:	Date	Time	Received by:	Date	Time					
Robert Asher	12/06/07	2:13 PM								
Relinquished by:	Date	Time	Received by:	Date	Time					
Relinquished by:	Date	Time	Received by: ELO:	Date	Time					
				12/01/07	10:00					

Laboratory Comments: 1-400-900-0000
 Sample Containers Intact?
 VOCs Free of Headspace?
 Labels on container(s)
 Custody seals on container(s)
 Custody seals on cooler(s)
 Sample Hand Delivered
 by Sampler/Client Rep.?
 by Courier? UPS DHL
 Temperature Upon Receipt: 4.0 °C

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

Client: Yates
Date/ Time: 12/07/07 10:06
Lab ID #: 294160
Initials: gmk

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	4.0 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#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	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	<u>Yes</u>	No	Not Applicable
#20	VOC samples have zero headspace?	<u>Yes</u>	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

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79766

Phone: 432-663-1800
Fax: 432-663-1713

Project Manager: Robert Asher

Project Name: Doc BHU State #1

Company Name Yates Petroleum Corporation

Project #: 30-015-34552

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 505-748-4217

Fax No: 505-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: 

e-mail: boba@ypcnm.com

(lab use only)

ORDER #: 294160

LAB # (lab use only)

FIELD CODE

GS/Comp-001

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

Special Instructions:

TPH: 8015B; BTEX: 8021B & Chlorides.

Please show BTEX results as mg/kg. Thank you.

Laboratory Comments:

1-4-06

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Temperature Upon Receipt:

4.0 °C

Sample Containers Intact? ☒

VOCS Free of Headspace? ☒

Labels on container(s) ☒

Custody seals on container(s) ☒

Sample Hand Delivered by Sampler/Client Rep. ? ☒

by Courier? ☒

UPS ☒

DHL ☒

FedEx ☒

Lone Star ☒

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Yates

Date/ Time: 12/07/07 10:00

Lab ID #: 294160

Initials: gmsk

Sample Receipt Checklist

Client Initials

#1	Temperature of container/ cooler?	<u>Yes</u>	No	4.0 °C	
#2	Shipping container in good condition?	<u>Yes</u>	No		
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	Not Present	
#5	Chain of Custody present?	<u>Yes</u>	No		
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#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	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#11	Containers supplied by ELOT?	<u>Yes</u>	No		
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below	
#13	Samples properly preserved?	<u>Yes</u>	No	See Below	
#14	Sample bottles intact?	<u>Yes</u>	No		
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No		
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No		
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below	
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>	
#20	VOC samples have zero headspace?	<u>Yes</u>	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

Acct # : BOB A.
Cust # : ENVIRONMENTAL LABS
Zip/Zone: 79765 / 3
Trk # : 798324894043
Pkg ID #: 718
Service : FedEx Priority Overnight®

Date: 12-06-07 5 lb 8.5 oz

Base :\$	26.73
Spc S:\$	4.68
Addl :\$	0.00
Total \$	31.41

Environmental Lab of Texas

A Xenco Laboratories Company

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: Doc BHU State #1

Company Name Yates Petroleum Corporation

Project #: 30-015-34552

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 105632

Telephone No: 505-748-4217

Fax No: 505-748-4662

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:  e-mail: boba@ypcnm.com

(lab use only)

ORDER #:

LAB # (lab use only)

FIELD CODE

GS/Comp-001

Beginning Depth

6"

Ending Depth

12"

Date Sampled

12/6/2007

Time Sampled

10:46 AM

Field Filtered

Total #. of Containers

X

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

S

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

X

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

X

BTEX 8021B/5030 or BTEX 8260

X

RCI

N.O.R.M.

X

Chlorides

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

X

Standard TAT

Special Instructions:

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

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by ELDT:

Date

Time

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier?

UPS

DHL

FedEx

Lone Star

°C

PROJECT NAME				DOX BHM STATE #1			
FIELD CODE	GS/ Comp-001		GS/ Comp-002				
DATE	12/6/2007						
TIME	1046A						
SOIL TYPE							
SAMPLE TYPE							
SAMPLE DEPTH	6"-1'		3'				
LATITUDE							
LONGITUDE							
TEST TYPE	TPH/BSX/CHLORIDES						
COMMENTS	W SIDE of Lease Road		* - DID				
	3 P/L Row		NOT Sample				
			Could not dig 12"				
FIELD CODE							
DATE							
TIME							
SOIL TYPE							
SAMPLE TYPE							
SAMPLE DEPTH							
LATITUDE							
LONGITUDE							
TEST TYPE							
COMMENTS							

* P. 01 *
* TRANSACTION REPORT *
* SEP-27-2007 THU 04:35 PM *
* FOR: YATES ENGINEERING 15057484585 *
* SEND *
* DATE START RECEIVER TX TIME PAGES TYPE NOTE M# DP *
* SEP-27 04:34 PM 97489720 49" 2 FAX TX OK 106 *
* TOTAL : 49S PAGES: 2 *



FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Mike Bratcher	Robert Asher
FAX NUMBER:	DATE:
9-748-9720	Thursday, September 27, 2007
COMPANY:	TOTAL NO. OF PAGES INCLUDING COVER:
NMOCD	2
PHONE NUMBER:	RE:
	C-141; Doc BHU State #1

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Initial Report.



FACSIMILE TRANSMITTAL SHEET

TO:
Mike Bratcher

FROM:
Robert Asher

FAX NUMBER:
9-748-9720

DATE:
Thursday, September 27, 2007

COMPANY:
NMOCD

TOTAL NO. OF PAGES INCLUDING COVER:
2

PHONE NUMBER:

RE:
C-141; Doc BHU State #1

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Initial Report.

Call me if you have any questions, 505-748-4217.

Thank you.

Robert Asher

Environmental Regulatory Department

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street		Telephone No. 505-748-1471
Facility Name Doc BHU State #1	API Number 30-015-34552	Facility Type Battery

Surface Owner State	Mineral Owner State	Lease No. VO-6670
------------------------	------------------------	----------------------

LOCATION OF RELEASE

Unit Letter O	Section 5	Township 25S	Range 30E	Feet from the 33	North/South Line South	Feet from the 2310	East/West Line East	County Eddy
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Latitude 32.15292 Longitude 103.90174

NATURE OF RELEASE

Type of Release Crude Oil & Produced Water	Volume of Release 2 B/O & 73 B/PW	Volume Recovered 0 B/O & 30 B/PW
Source of Release Frac Tank	Date and Hour of Occurrence 9/14/2007 PM	Date and Hour of Discovery 9/14/2007 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/NMOCD District II	
By Whom? Jerry Fanning/YPC Environmental	Date and Hour 9/15/2007 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Leak in frac tank causing release. Vacuum truck called.

Describe Area Affected and Cleanup Action Taken.*

An approximate area of 20' X 30' on well pad and 10' X 50' off well pad. Produced water picked up and tank replaced. Soils on well pad to be excavated and hauled to OCD approved land disposal facility, nitrogen fertilizer to be applied and tilled into soils on area off of well pad. Vertical and horizontal delineation to be conducted and if needed further corrective action will be taken. **Depth to Ground Water: >100' (approximately 325'), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Robert Asher	Approved by District Supervisor:		
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:	
E-mail Address: boba@ypcnm.com	Conditions of Approval:		Attached ☐
Date: Thursday, September 27, 2007	Phone: 505-748-1471		

* Attach Additional Sheets If Necessary





BREAKS, SPILLS AND LEAKS REPORT

Person Reporting _____

Time Reported: _____ am/pm

Person Reported to (Field Supervisor) _____

Time Reported: _____ am/pm

Environmental Notification Coordinator Jerry Fanning

Time Reported: _____ am/pm

1. LOCATION:

Name of well or facility: Doc BHU state #1

Location _____ Section _____ Township _____ Range _____ County: _____

Surface Owner: _____ Mineral Owner: Fee ☐ Federal ☐ State ☐

2. TIME OF INCIDENT:

Date: 9/14/07

Time: _____ am/pm

3. SOURCE AND CAUSE:

4. TYPE OF DISCHARGE

☒ Crude Oil ☐ Condensate ☒ Produced Water ☐ Gas ☐ Other _____

5. QUANTITY:

Estimated Volumes Discharged: 2 Barrels of Oil ~~25~~ 73 Barrels of Water

Barrels of _____

MCF Gas _____

Estimated Volumes Recovered: 0 Barrels of Oil 30 Barrels of Water

Barrels of _____

6. SITE CHARACTERISTICS:

Weather Conditions: _____ Soil Type and Condition: _____

Distance & Direction to fresh water wells or watercourse: _____

Secondary Containment type & condition: _____

Miscellaneous: _____

7. IMMEDIATE CORRECTIVE ACTION:

Action and time taken to control incident: COVERED UP.

BREAKS, SPILLS AND LEAKS REPORT

8. SITE ASSESSMENT

Exact Location of Spill: (sketch)

Horizontal Extent: _____ X _____ Estimated Vertical Extent: _____ feet / inches

Degree of Contamination: ☐ Highly Contaminated/Saturated _____
☐ Unsaturated _____

9. REMEDIAL ACTION:

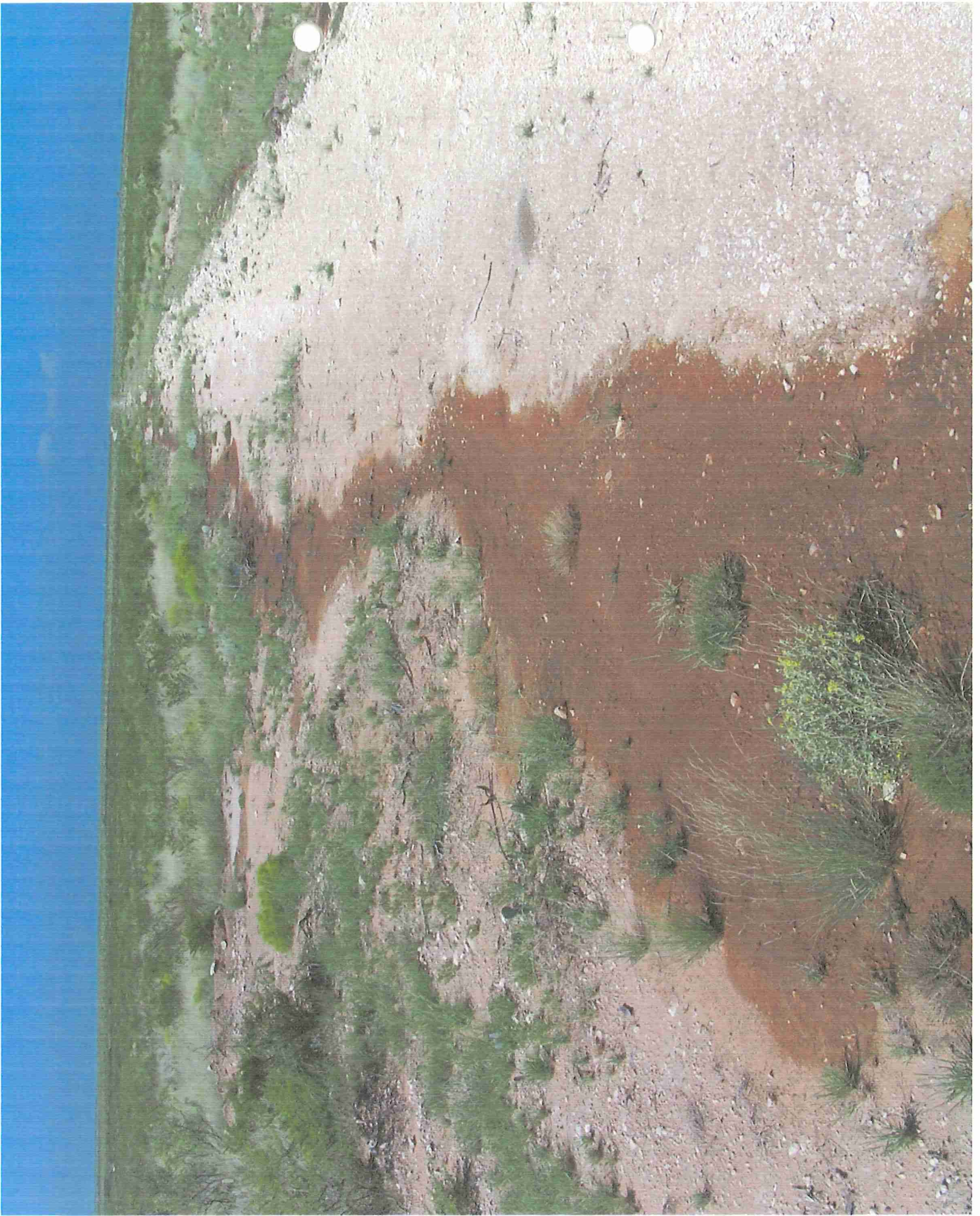
- ☐ Excavate, and landfarm on location _____

- ☐ Excavate, remove and replace _____

- ☐ Treat in place _____

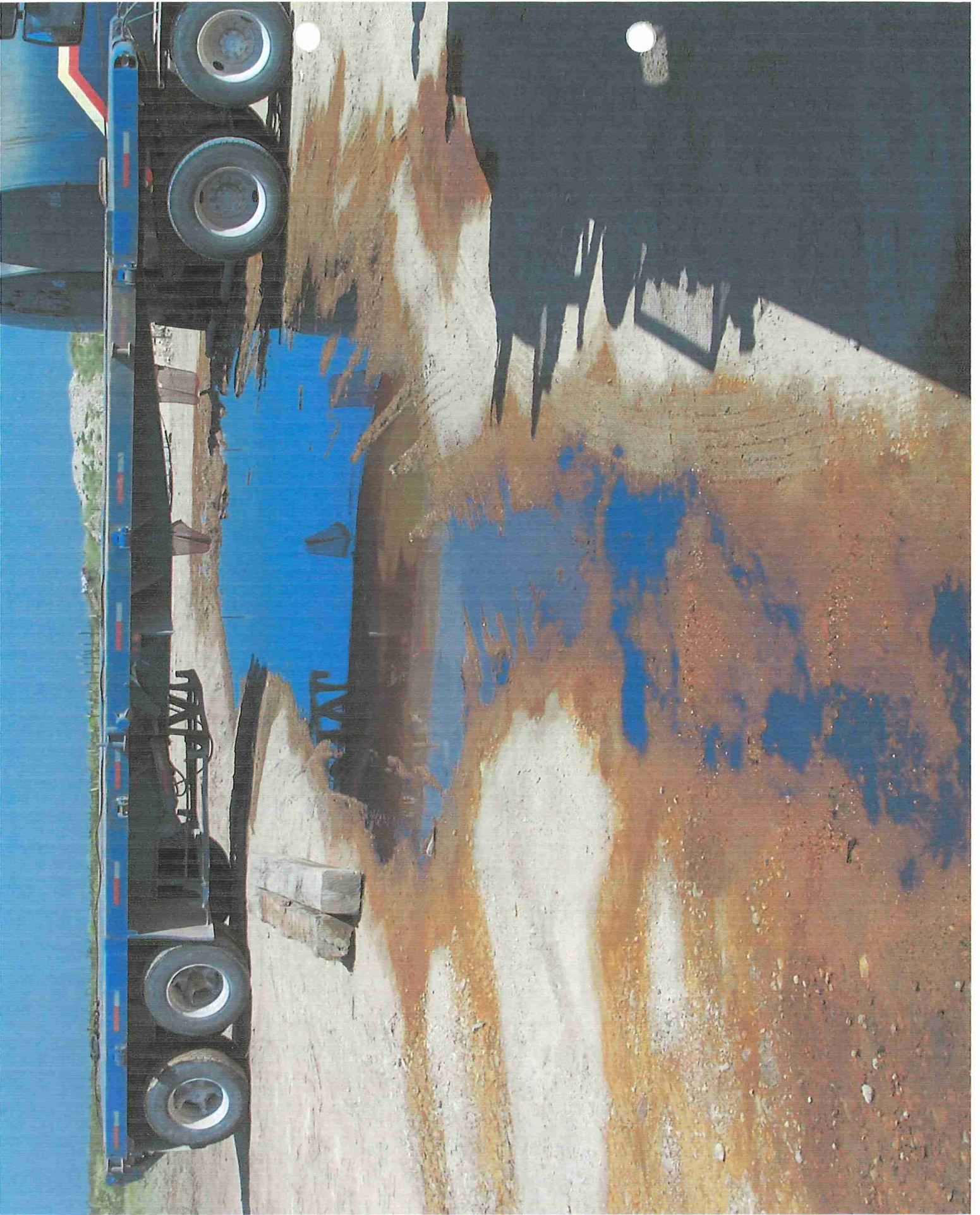


9-14-07 0700



DOC
9-14-87
FLAC FRANK





6:30 AM 9-14-07



9-14-07 BDC