YATES PETROLEUM CORPORATION

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

RP#895

Ms. Patricia Caperton
NMOCD-District 1
1625 N French Drive
Hobbs, NM 88240

October 9, 2006

RE: Continental APJ Federal 1
Unit C, Section 28, T23S, R32E
Lea County, New Mexico

Dear Ms. Caperton,

Yates Petroleum Corporation (Yates) is the owner of the Continental APJ Federal 1 tank battery (30-025-20428). On May 19, 2006 Yates submitted an Initial Report C141 reporting a release of 5 barrels produced water over an area approximately 3 feet by 40 feet within a bermed area and a release of 3 barrels produced water over an area approximately 10 feet by 10 feet on the pad for a total reporting quantity of 8 barrels of produced water.

On September 21, 2006 samples were taken at the Continental APJ Federal 1 (see attachment A). NMOCD was given the requested 48 hour notification and the opportunity to witness. The hand auger was cleaned with Alconox® using a hand scrub brush, rinsed with de-ionized water, and allowed to air dry before beginning each boring. The soil samples were collected directly from the hand auger bucket, placed into clean, sample jars provided by the analytical laboratory, placed on ice, and sent to the laboratory for analysis.

According to USGS Depth to Ground Water information, depth to water in this area is between 400 and 500 feet. No water wells or surface waters are located within 1,000 feet of this site. Using the NMOCD ranking criteria, site investigation and data provided, this site has a Ranking Score of **0**. The soil action levels for a site with this score are as follows:

- Benzene 10 ppm
- BTEX 50 ppm
- TPH 5000 ppm

The soil analyses do not exceed these criteria. Chloride results are for reference. The laboratory analysis is provided for your review (Attachment B).

Given the analysis information, there appears to be minimal risk to human health or the environment. In light of this evaluation, Yates Petroleum Corporation is submitting Final Closure C-141 and requests NMOCD grant final closure.

Sincerely,

Sherry Bonham
Environmental Regulatory Agent

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	OGRID Number	Contact
YATES PETROLEUM CORPORATION	25575	SHERRY BONHAM
Address		Telephone No.
105 S. 4TH STREET		505-748-1471
Facility Name	API Number	Facility Type
CONTINENTAL APJ FEDERAL 1 BATTERY	30-025-20428	BATTERY

Surface Owner	Mineral Owner	Lease No.
FEDERAL	FEDERAL	NM-77063

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	28	23S	32E	660	NORTH	1980	WEST	LEA

Latitude 32.28088 **Longitude** 103.68117 NTR > 500'

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
PRODUCED WATER	8 B/PW	0 B/PW
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
1. POWER FAILURE ON WATER DISPOSAL PUMP (5BBL P/W) 2. TRUCK DRIVER FAILED TO KEEP TRACK OF WATER LEVEL IN TANK AND RESULTED IN OVERFLOW (3 BBL P/W)	5/8/06 AM	5/8/06 AM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
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.*
1. POWER FAILURE ON WATER DISPOSAL PUMP CAUSING TANK TO OVERFLOW. AFTER PUMPER RECEIVED ALARM, PUMPER DROVE TO LOCATION AND STARTED PUMP.
2. TRUCK DRIVER FAILED TO KEEP TRACK OF WATER LEVEL IN TANK RESULTING IN OVERFLOW. DRIVER CLOSED VALVE.

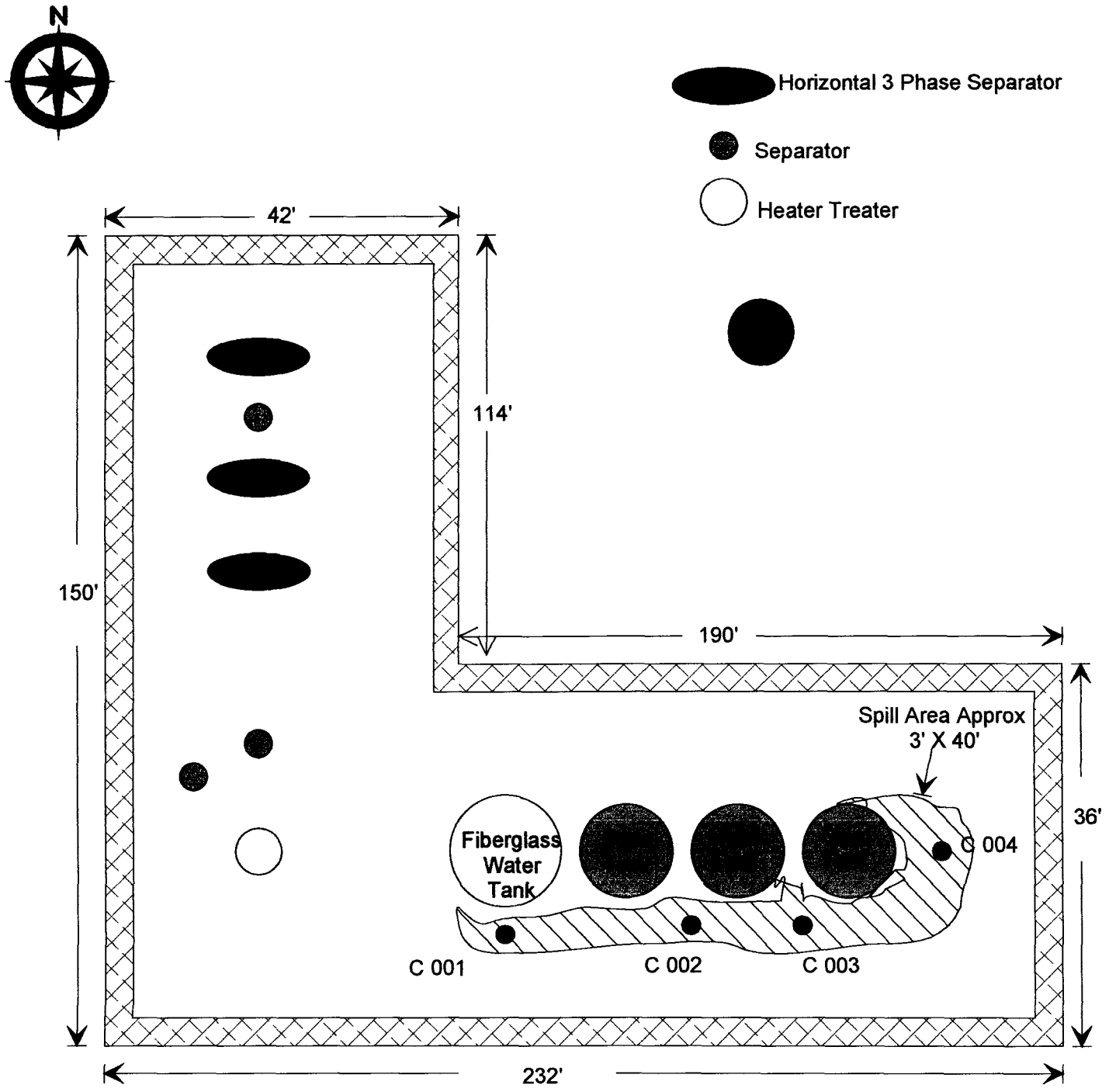
Describe Area Affected and Cleanup Action Taken.*
1. AN APPROXIMATE 100 SQUARE FEET AREA NORTHWEST OF THE PUMPING UNIT WAS IMPACTED BY RELEASE OF PRODUCED WATER. EXCAVATE AND REMOVE IMPACTED MATERIALS AND REPLACE WITH CLEAN MATERIAL.
2. AN APPROXIMATE 120 SQ. FT. AREA WITHIN BERM IMPACTED.
AREAS TO BE EVALUATED.
SITE RANKING: **0**
REQUESTING 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: Sherry Bonham	Approved by District Supervisor: Chris Williams
Title: Environmental Regulatory Agent Trainee	Approval Date: 5/21/07 Expiration Date:
E-mail Address: sherryb@ypcnm.com	Conditions of Approval: Attached ☐
Date: October 10, 2006 Phone: 505-748-1471	

* Attach Additional Sheets If Necessary

Attachment A



C001: 32.28081 103.68212
C002: 32.28077 103.68208
C003: 32.28067 103.68204
C004: 32.28067 103.68195
C005-BACKGROUND: 32.28017 103.68144

YATES PETROLEUM CORPORATION

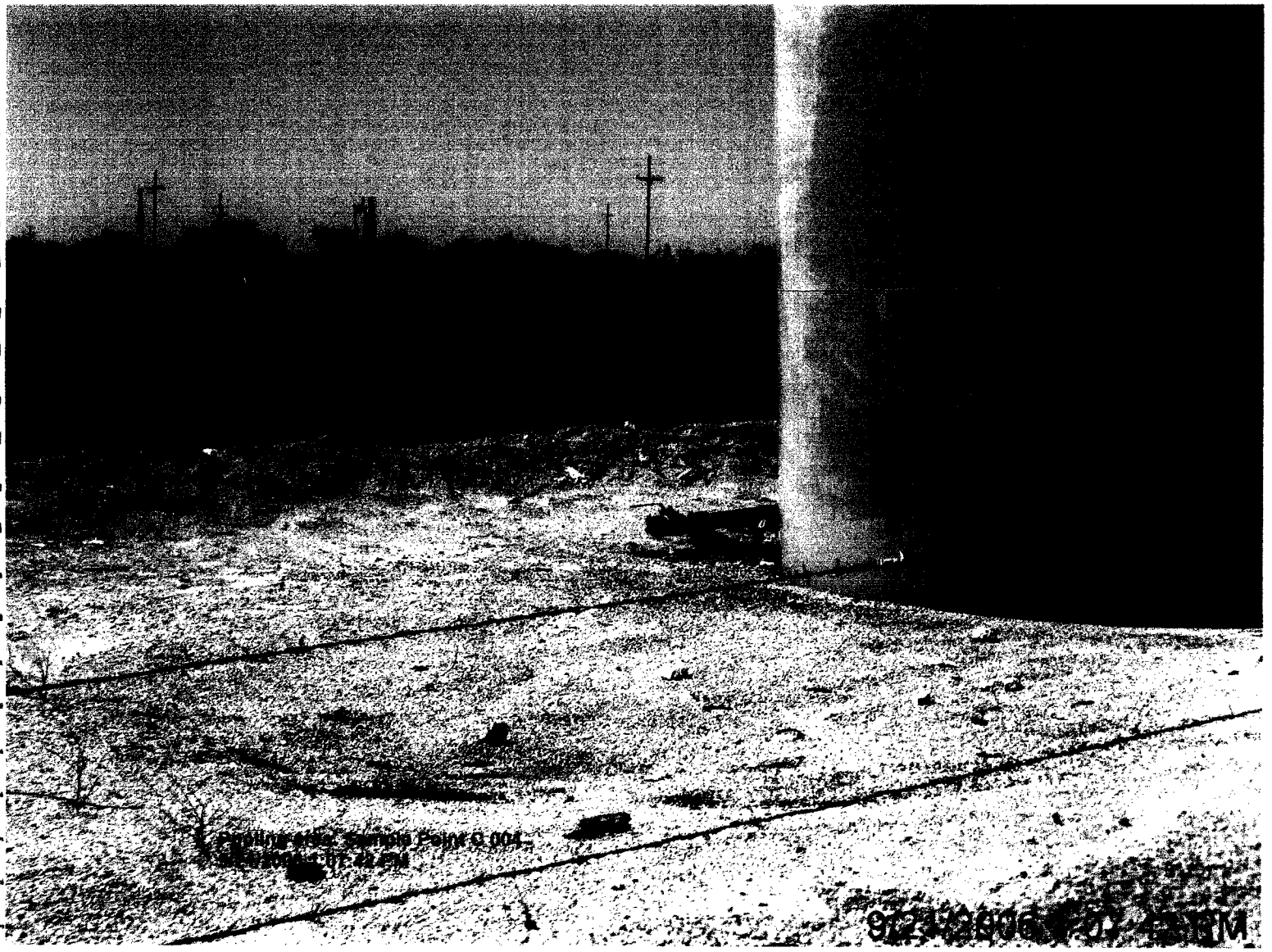
Continental APJ Federal 1

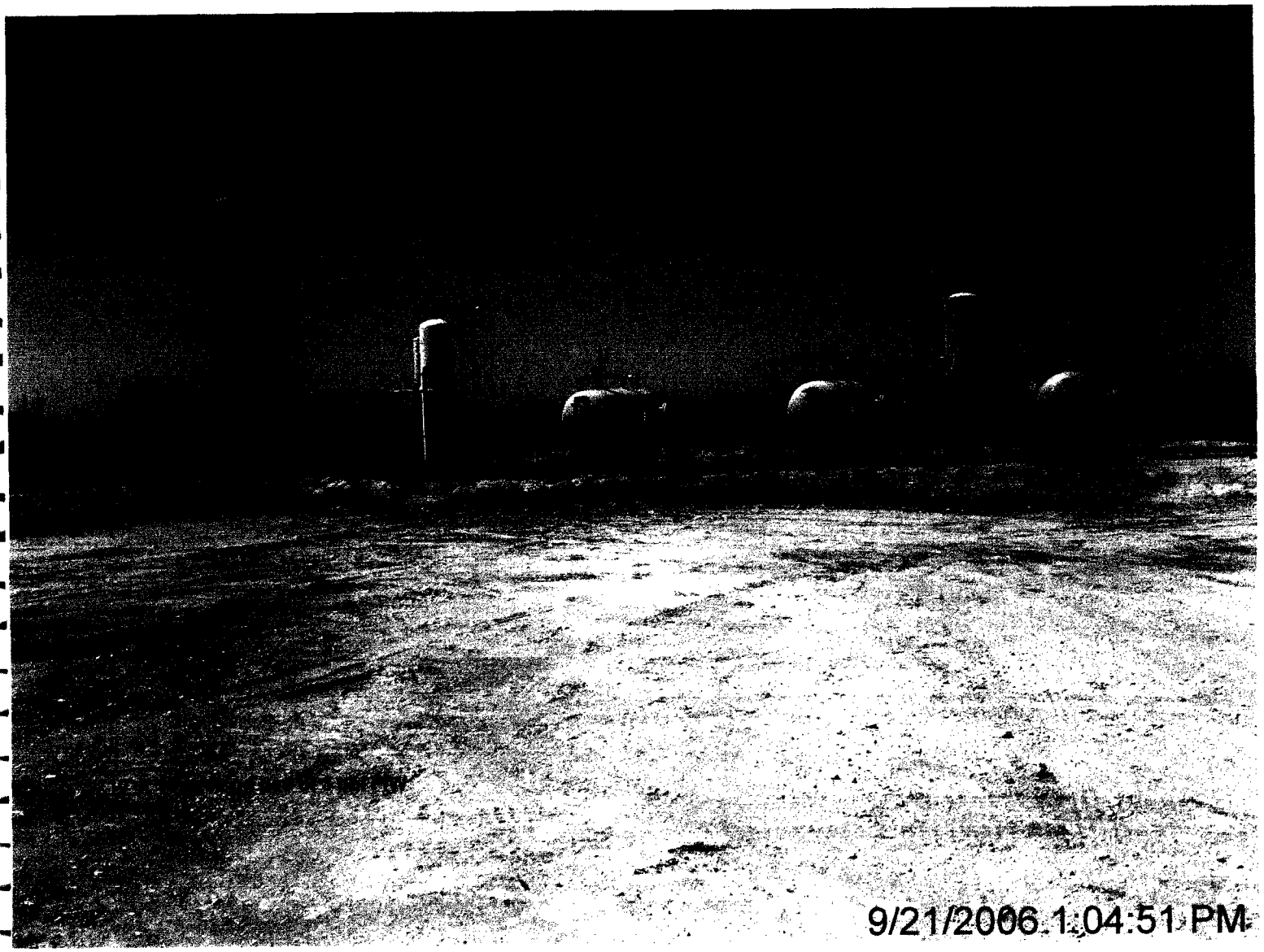
Sec. 28 T23S R32E

Lea County, NM

SITE SAMPLING DIAGRAM

(Not to Scale)




9/21/2006 1:04:51 PM

Attachment B

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Sherry Bonham

Yates Petroleum Corp.

105 S. Fourth St.

Artesia, NM 88210

Project: Continental APJ Federal 1

Project Number: C-28-T23S-R32E

Location: Lea County

Lab Order Number: 6I22005

Report Date: 09/29/06

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-001-18	6I22005-01	Soil	09/21/06 11:10	09-22-2006 09:30
C-002-13	6I22005-02	Soil	09/21/06 11:40	09-22-2006 09:30
C-003-19	6I22005-03	Soil	09/21/06 12:00	09-22-2006 09:30
C-004-120	6I22005-04	Soil	09/21/06 12:20	09-22-2006 09:30
C-005-BG	6I22005-05	Soil	09/21/06 13:15	09-22-2006 09:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-001-18 (6I22005-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI62506	09/25/06	09/25/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EI62719	09/27/06	09/28/06	EPA 8015B	
Carbon Ranges >C10-C28	**144**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**144**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
C-002-13 (6I22005-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI62506	09/25/06	09/25/06	EPA 8021B	
Toluene	**J [0.0217]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0885**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.166**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0486**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C10	**104**	50.0	mg/kg dry	5	EI62719	09/27/06	09/28/06	EPA 8015B	
Carbon Ranges >C10-C28	**4790**	50.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**4890**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*19.3 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*24.6 %*	*70-130*		"	"	"	"	*S-06*
C-003-19 (6I22005-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI62506	09/25/06	09/25/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C10	**13.7**	10.0	mg/kg dry	1	EI62719	09/27/06	09/28/06	EPA 8015B	
Carbon Ranges >C10-C28	**4300**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**4310**	10.0	"	"	"	"	"	"	

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-003-19 (6I22005-03) Soil									
Surrogate: 1-Chlorooctane		*128 %*	*70-130*		*EI62719*	*09/27/06*	*09/28/06*	*EPA 8015B*	
Surrogate: 1-Chlorooctadecane		*199 %*	*70-130*		"	"	"	"	*S-04*
C-004-120 (6I22005-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI62506	09/25/06	09/25/06	EPA 8021B	
Toluene	**0.0795**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.148**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.408**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.116**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C10	**24.4**	10.0	mg/kg dry	1	EI62719	09/27/06	09/28/06	EPA 8015B	
Carbon Ranges >C10-C28	**2140**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**2160**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*129 %*	*70-130*		"	"	"	"	
C-005-BG (6I22005-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI62506	09/25/06	09/25/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EI62719	09/27/06	09/28/06	EPA 8015B	
Carbon Ranges >C10-C28	**15.7**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**15.7**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*115 %*	*70-130*		"	"	"	"	

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105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-001-18 (6I22005-01) Soil									
% Moisture	**4.8**	0.1	%	1	EI62508	09/22/06	09/25/06	% calculation	
C-002-13 (6I22005-02) Soil									
% Moisture	**13.8**	0.1	%	1	EI62508	09/22/06	09/25/06	% calculation	
C-003-19 (6I22005-03) Soil									
% Moisture	**4.7**	0.1	%	1	EI62508	09/22/06	09/25/06	% calculation	
C-004-120 (6I22005-04) Soil									
% Moisture	**14.8**	0.1	%	1	EI62508	09/22/06	09/25/06	% calculation	
C-005-BG (6I22005-05) Soil									
% Moisture	**4.9**	0.1	%	1	EI62508	09/22/06	09/25/06	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI62506 - EPA 5030C (GC)										
Blank (EI62506-BLK1)				Prepared & Analyzed: 09/25/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*32.1*		*ug/kg*	*40.0*		*80.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.7*		*"*	*40.0*		*86.8*	*80-120*			
LCS (EI62506-BS1)				Prepared & Analyzed: 09/25/06						
Benzene	1.30	0.0250	mg/kg wet	1.25		104	80-120			
Toluene	1.18	0.0250	"	1.25		94.4	80-120			
Ethylbenzene	1.08	0.0250	"	1.25		86.4	80-120			
Xylene (p/m)	2.47	0.0250	"	2.50		98.8	80-120			
Xylene (o)	1.10	0.0250	"	1.25		88.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.3*		*ug/kg*	*40.0*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.5*		*"*	*40.0*		*109*	*80-120*			
Calibration Check (EI62506-CCV1)				Prepared & Analyzed: 09/25/06						
Benzene	57.4		ug/kg	50.0		115	80-120			
Toluene	49.0		"	50.0		98.0	80-120			
Ethylbenzene	45.6		"	50.0		91.2	80-120			
Xylene (p/m)	90.0		"	100		90.0	80-120			
Xylene (o)	44.4		"	50.0		88.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.8*		*"*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		*"*	*40.0*		*96.0*	*80-120*			
Matrix Spike (EI62506-MS1)	**Source: 6I22005-05**			Prepared: 09/25/06 Analyzed: 09/26/06						
Benzene	1.34	0.0250	mg/kg dry	1.31	ND	102	80-120			
Toluene	1.21	0.0250	"	1.31	ND	92.4	80-120			
Ethylbenzene	1.13	0.0250	"	1.31	ND	86.3	80-120			
Xylene (p/m)	2.28	0.0250	"	2.63	ND	86.7	80-120			
Xylene (o)	1.09	0.0250	"	1.31	ND	83.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.3*		*ug/kg*	*40.0*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.2*		*"*	*40.0*		*103*	*80-120*			

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Yates Petroleum Corp.
105 S. Fourth St.
Artesia NM, 88210

Project: Continental APJ Federal 1
Project Number: C-28-T23S-R32E
Project Manager: Sherry Bonham

Fax: (505) 748-4662

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI62506 - EPA 5030C (GC)										
Matrix Spike Dup (EI62506-MSD1)	**Source: 6I22005-05**			Prepared: 09/25/06 Analyzed: 09/26/06						
Benzene	1.32	0.0250	mg/kg dry	1.31	ND	101	80-120	0.985	20	
Toluene	1.19	0.0250	"	1.31	ND	90.8	80-120	1.75	20	
Ethylbenzene	1.16	0.0250	"	1.31	ND	88.5	80-120	2.52	20	
Xylene (p/m)	2.34	0.0250	"	2.63	ND	89.0	80-120	2.62	20	
Xylene (o)	1.12	0.0250	"	1.31	ND	85.5	80-120	2.73	20	
Surrogate: a,a,a-Trifluorotoluene	*32.6*		*ug/kg*	*40.0*		*81.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.0*		*"*	*40.0*		*110*	*80-120*			
Batch EI62719 - Solvent Extraction (GC)										
Blank (EI62719-BLK1)				Prepared: 09/27/06 Analyzed: 09/28/06						
Carbon Ranges C6-C10	ND	10.0	mg/kg wet							
Carbon Ranges >C10-C28	ND	10.0	"							
Total Carbon Range C6-C28	ND	10.0	"							
Surrogate: 1-Chlorooctane	*51.0*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.4*		*"*	*50.0*		*109*	*70-130*			
LCS (EI62719-BS1)				Prepared: 09/27/06 Analyzed: 09/28/06						
Carbon Ranges C6-C10	564	10.0	mg/kg wet	500		113	75-125			
Carbon Ranges >C10-C28	419	10.0	"	500		83.8	75-125			
Total Carbon Range C6-C28	983	10.0	"	1000		98.3	75-125			
Surrogate: 1-Chlorooctane	*60.4*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.4*		*"*	*50.0*		*117*	*70-130*			
Calibration Check (EI62719-CCV1)				Prepared: 09/27/06 Analyzed: 09/28/06						
Carbon Ranges C6-C10	220		mg/kg	250		88.0	80-120			
Carbon Ranges >C10-C28	260		"	250		104	80-120			
Total Carbon Range C6-C28	480		"	500		96.0	80-120			
Surrogate: 1-Chlorooctane	*64.9*		*"*	*50.0*		*130*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.9*		*"*	*50.0*		*106*	*70-130*			

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
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Artesia NM, 88210	Project Manager: Sherry Bonham	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI62719 - Solvent Extraction (GC)										
Matrix Spike (EI62719-MS1)	**Source: 6I22001-01**			Prepared: 09/27/06 Analyzed: 09/28/06						
Carbon Ranges C6-C10	627	10.0	mg/kg dry	586	ND	107	75-125			
Carbon Ranges >C10-C28	471	10.0	"	586	ND	80.4	75-125			
Total Carbon Range C6-C28	1100	10.0	"	1170	ND	94.0	75-125			
Surrogate: 1-Chlorooctane	*59.5*		*mg/kg*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.1*		*"*	*50.0*		*118*	*70-130*			
Matrix Spike Dup (EI62719-MSD1)	**Source: 6I22001-01**			Prepared: 09/27/06 Analyzed: 09/28/06						
Carbon Ranges C6-C10	642	10.0	mg/kg dry	586	ND	110	75-125	2.36	20	
Carbon Ranges >C10-C28	488	10.0	"	586	ND	83.3	75-125	3.55	20	
Total Carbon Range C6-C28	1130	10.0	"	1170	ND	96.6	75-125	2.69	20	
Surrogate: 1-Chlorooctane	*63.1*		*mg/kg*	*50.0*		*126*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.8*		*"*	*50.0*		*124*	*70-130*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI62508 - General Preparation (Prep)										
Blank (EI62508-BLK1)				Prepared: 09/22/06 Analyzed: 09/25/06						
% Solids	100		%							
Duplicate (EI62508-DUP1)		Source: 6I21011-01		Prepared: 09/22/06 Analyzed: 09/25/06						
% Solids	76.6		%		77.2			0.780	20	
Duplicate (EI62508-DUP2)		Source: 6I22004-10		Prepared: 09/22/06 Analyzed: 09/25/06						
% Solids	91.7		%		90.9			0.876	20	
Duplicate (EI62508-DUP3)		Source: 6I22004-30		Prepared: 09/22/06 Analyzed: 09/25/06						
% Solids	89.8		%		90.0			0.222	20	
Duplicate (EI62508-DUP4)		Source: 6I22014-03		Prepared: 09/22/06 Analyzed: 09/25/06						
% Solids	93.2		%		93.0			0.215	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 9/29/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Sherry Bonham
Company Name: Yates Petroleum Corporation
Company Address: 105 S 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 505-748-4162 OR 505-513-1529 Fax No: 505-748-4585
Sampler Signature: Sherry Bonham e-mail: sherryb@ypcnm.com

Project Name: Continental APJ Federal 1
Projec #: C-28-T23S-R32E
Project Loc: Lea County
PO #: 1032420
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 06E1005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH 418.1 / 8015 (GRO/DRO) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/602 or BTEX 8260	RCI	N.O.R.M.	Chlorides	PH	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	C-001-18		18"	9/21/2006	11:10 AM	1	X									S		X							X			X			X
02	C-002-13		13"	9/21/2006	11:40 AM	1	X									S		X							X			X			X
03	C-003-19		19"	9/21/2006	12:00 PM	1	X									S		X							X			X			X
04	C-004-20		20"	9/21/2006	12:20 PM	1	X									S		X							X			X			X
05	C-005-BG		20"	9/21/2006	1:15 PM	1	X									S		X							X			X			X

Special Instructions: Please analyze TPH 8015B (GRO/DRO)-Not TPH 8015M. Please put chloride results on different report.

Relinquished by:	Date	Time	Received by:	Date	Time
Sherry Bonham	09/21/06	3:30 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: FedEx	Date	Time	Received by ELOT:	Date	Time
				9/22/06	9:30

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N

by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Vortex

Date/ Time: 9/11/08

Lab ID # : 610-22005

Initials: CL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	3.0 °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	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

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Sherry Bonham

Yates Petroleum Corp.

105 S. Fourth St.

Artesia, NM 88210

Project: Continental APJ Federal 1

Project Number: C-28-T23S-R32E

Location: Lea County

Lab Order Number: 6I22005

Report Date: 09/29/06

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-001-18	6I22005-01	Soil	09/21/06 11:10	09-22-2006 09:30
C-002-13	6I22005-02	Soil	09/21/06 11:40	09-22-2006 09:30
C-003-19	6I22005-03	Soil	09/21/06 12:00	09-22-2006 09:30
C-004-120	6I22005-04	Soil	09/21/06 12:20	09-22-2006 09:30
C-005-BG	6I22005-05	Soil	09/21/06 13:15	09-22-2006 09:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-001-18 (6I22005-01) Soil									
Chloride	**85.6**	5.00	mg/kg	10	EI62106	09/22/06	09/22/06	EPA 300.0	
C-002-13 (6I22005-02) Soil									
Chloride	**9880**	200	mg/kg	400	EI62106	09/22/06	09/22/06	EPA 300.0	
C-003-19 (6I22005-03) Soil									
Chloride	**1790**	25.0	mg/kg	50	EI62106	09/22/06	09/22/06	EPA 300.0	
C-004-120 (6I22005-04) Soil									
Chloride	**824**	10.0	mg/kg	20	EI62106	09/22/06	09/22/06	EPA 300.0	
C-005-BG (6I22005-05) Soil									
Chloride	**J [1.62]**	5.00	mg/kg	10	EI62106	09/22/06	09/22/06	EPA 300.0	J

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI62106 - Water Extraction										
Blank (EI62106-BLK1)				Prepared: 09/21/06 Analyzed: 09/22/06						
Chloride	ND	0.500	mg/kg							
LCS (EI62106-BS1)				Prepared: 09/21/06 Analyzed: 09/22/06						
Chloride	11.8	0.500	mg/kg	10.0		118	80-120			
Calibration Check (EI62106-CCV1)				Prepared: 09/21/06 Analyzed: 09/22/06						
Chloride	11.7		mg/L	10.0		117	80-120			
Duplicate (EI62106-DUP1)		**Source: 6I19016-10**		Prepared & Analyzed: 09/22/06						
Chloride	1600	25.0	mg/kg		1590			0.627	20	
Matrix Spike (EI62106-MS1)		**Source: 6I19016-10**		Prepared: 09/21/06 Analyzed: 09/22/06						
Chloride	2040	25.0	mg/kg	500	1590	90.0	80-120			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Yates Petroleum Corp.	Project: Continental APJ Federal 1	Fax: (505) 748-4662
105 S. Fourth St.	Project Number: C-28-T23S-R32E	
Artesia NM, 88210	Project Manager: Sherry Bonham	

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 9/29/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Shery Bonham
Company Name: Yates Petroleum Corporation
Company Address: 105 S 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 505-748-4162 OR 505-513-1529
Fax No: 505-748-4585
Sampler Signature: Sherry Bonham
e-mail: sherryb@ypcnm.com

Project Name: Continental APJ Federal 1
Project #: C-28-T23S-R32E
Project Loc: Lea County
PO #: 1032420
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 6E1005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH 418.1 / 8015B / 1005 / 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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	PH	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	C-001-13		18"	9/21/2006	11:10 AM	1	X								S	X							X			X			X
02	C-002-13		13"	9/21/2006	11:40 AM	1	X								S	X							X			X			X
03	C-003-19		19"	9/21/2006	12:00 PM	1	X								S	X							X			X			X
04	C-004-20		20"	9/21/2006	12:20 PM	1	X								S	X							X			X			X
05	C-005-BG		20"	9/21/2006	1:15 PM	1	X								S	X							X			X			X

Special Instructions: Please analyze TPH 8015B (GRO/DRO)-Not TPH 8015M. Please put chloride results on different report.

Relinquished by:	Date	Time	Received by:	Date	Time
Sherry Bonham	09/21/06	3:30 PM			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: FedEx	Date	Time	Received by ELOT:	Date: 9/22/06	Time: 9:30

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) (Y) N
Sample Hand Delivered (Y) N
by Sampler/Client Rep. ? (Y) N
by Courier? UPS DHL (FedEx) Lone Star
Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Vortex

Date/ Time: 9/11/06

Lab ID # : 610-22005

Initials: CL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	3.0 °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	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