

1R - 279

APPROVALS

YEAR(S):

2005 - 1998

Price, Wayne

From: Price, Wayne
Sent: Thursday, May 19, 2005 11:23 AM
To: Mark Larson (E-mail); Scott Toner (E-mail)
Cc: VonGonten, Glenn; Sheeley, Paul; Johnson, Larry
Subject: Chevron-Texaco Vacuum field Unit OCD Case #1R279

OCD is in receipt of the 2004 annual groundwater remediation and monitoring report and hereby approves of the recommendations.

Please be advised that NMOCD approval of this plan does not relieve (Chevron-Texaco) of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve (Chevron-Texaco) of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Sincerely:

Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

September 30, 2004

Mr. Rodney Bailey
ChevronTexaco
15 Smith Road
Midland, Texas 79705

**RE: CASE # 1R279
VACUUM FIELD UNIT
LEA COUNTY, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed ChevronTexaco's May 10, 2004 "ANNUAL GROUNDWATER MONITORING REPORT, CHEVRONTExACO EXPLORATION AND PRODUCTION COMPANY, VACUUM FIELD UNIT, CASE #1R279, NE/4, SECTION 1, TOWNSHIP 18 SOUTH, RANGE 34 EAST, LEA COUNTY, NEW MEXICO" which was submitted on behalf of ChevronTexaco by their consultant Larson & Associates, Inc. This document contains the results of ChevronTexaco's 2003 remediation and monitoring of contaminated ground water at the Vacuum Field Unit site south of Buckeye, New Mexico. The document also proposes to change the sampling schedule of ground water monitoring wells TW-10, TW-11, TW-13, TW-14, TW-17, TW-19 and TW-20 from quarterly to semi-annual sampling.

The above-referenced monitoring proposal is approved. Please be advised that OCD approval does not limit ChevronTexaco to the proposed work plan should the plan fail to adequately remediate or monitor contamination related to ChevronTexaco's activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve ChevronTexaco of responsibility for compliance with any other federal, state or local laws and regulations

If you have any questions, please contact me at (505) 476-3491.

Sincerely,

William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Cindy K. Crain, Larson & Associates, Inc.

RECEIVED

MAY 12 2004

OIL CONSERVATION
DIVISION

May 10, 2004

Mr. William C. Olson, Hydrologist
Environmental Bureau
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Annual Groundwater Monitoring Report, ChevronTexaco Exploration and Production Company, Vacuum Field Unit, Case #1R279, NE/4, Section 1, Township 18 South, Range 34 East, Lea County, New Mexico

Dear Mr. Olson:

Please find enclosed a copy of the above-referenced report. The report is submitted on behalf of ChevronTexaco Exploration and Production Company, and presents the results of annual groundwater monitoring conducted by Larson and Associates, Inc. Please call Rodney Bailey at (432) 687-7251 or myself at (432) 687-0901 if you have questions.

Sincerely,
Larson and Associates, Inc.



Cindy K. Crain, CPG
Project Manager

cc: Rodney Bailey - ChevronTexaco

Olson, William

From: Cindy Crain [cindy@laenvironmental.com]
Sent: Monday, August 02, 2004 10:20 AM
To: Paul Sheeley
Cc: Bill Olson; Scott Toner
Subject: GWM Scheduled - ChevronTexaco: G. L. Erwin, Vacuum Field Unit, Case #1R279, Buckeye Compressor Station (GW-029)

Paul,

Larson and Associates plans to conduct groundwater monitoring at the following ChevronTexaco sites during the week of August 2, 2004.

August 2 and 3, 2004

G. L. Erwin Tank Battery, SW/4, SE/4, Section 35, Township 24 South, Range 37 East, Lea County, New Mexico

August 4, 2004

Vacuum Field Unit, Case #1R279, NE/4, Section 1, Township 18 South, Range 34 East, Lea County, New Mexico

August 5 and 6, 2004

Buckeye Compressor Station (GW-029), Unit Letter O (SW/4, SE/4), Section 36, Township 17 South, Range 34 East, Lea County, New Mexico

Please give me a call if you have any questions.

Thank you,

*Cindy Crain, PG
Project Manager
Larson and Associates, Inc.
507 N. Marienfeld, Suite 202
Midland, Texas 79702
office - (432) 687-0901
mobile - (432) 556-8665*

This email has been scanned by the MessageLabs Email Security System.
For more information please visit <http://www.messagelabs.com/email>

9/10/2004

Olson, William

From: Cindy Crain [cindy@laenvironmental.com]
Sent: Tuesday, November 18, 2003 7:40 AM
To: WOlson@state.nm.us
Subject: FW: Quarterly Groundwater Sampling, ChevronTexaco E&P, Vacuum Field Unit, Case #1R279, Lea County, NM

-----Original Message-----

From: Cindy Crain [mailto:cindy@laenvironmental.com]
Sent: Tuesday, November 18, 2003 8:38 AM
To: bolson@state.nm.us; Paul Sheeley
Subject: Quarterly Groundwater Sampling, ChevronTexaco E&P, Vacuum Field Unit, Case #1R279, Lea County, NM

Dear Mr. Olson and Mr. Sheeley,

Larson and Associates, Inc. will be conducting groundwater monitoring activities at the ChevronTexaco E&P, Vacuum Field Unit, Case #1R279, in Lea County, New Mexico, beginning Tuesday, November 18, 2003.

If you have any questions, please call me at (432) 687-0901.

Sincerely,

Cindy Crain
Project Manager/Geologist
Larson and Associates, Inc.
507 N. Marienfeld, Suite 202
Midland, Texas 79702
office - (432)687-0901
mobile - (432)556-8665

June 11, 2003

Via Facsimile: (505) 476-3462

Mr. William C. Olson
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED

JUN 16 2003

ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Re: Quarterly Groundwater Sample Results and Proposed Remediation Plan Modification, ChevronTexaco Exploration and Production Company, Vacuum Field Unit, Case #1R279, Lea County, New Mexico

Dear Bill:

Per our telephone call on June 10, 2003, please find enclosed laboratory results of groundwater sample collected from ten (10) monitoring wells in conjunction with the above-referenced matter. ChevronTexaco Exploration and Production Company (ChevronTexaco) requested Larson and Associates, Inc. (LA) to collect the groundwater samples following its receipt of your letter dated March 19, 2003. The wells are located in the NE/4, Section 1, Township 18 South, Range 34 East, Lea County, New Mexico. The letter requested ChevronTexaco to continue groundwater monitoring on a quarterly (4 times per year) schedule, and analyze groundwater samples for chloride and total dissolved solids (TDS). This letter contains the laboratory results for the first quarter 2003. However, TDS was not analyzed by the laboratory in samples collected on May 15, 2003, but will be included in future sampling events.

Groundwater samples collected on May 15, 2003, were hand delivered under chain-of-custody control to Environmental Lab of Texas, Inc., located in Odessa, Texas. Prior to sample collection, depth-to-groundwater was measured at each well, including three (3) groundwater extraction wells, and the monitoring wells were purged to remove approximately three (3) casing volumes of groundwater. The wells were purged using an electric submersible pump or bailed using dedicated disposable bailers. The water level probe and submersible pump were thoroughly cleaned between wells using a solution of laboratory-grade detergent and water, and rinsed with distilled water between wells. Dedicated tubing was used with the pump, and was discarded after each well. The samples were collected in containers provided by the laboratory, labeled, and chilled in an ice chest. Table 1 presents a summary of the depth-to-groundwater measurements and chloride analysis. The laboratory report is attached.

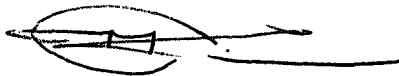
Referring to Table 1, chloride was below the New Mexico Water Quality Control Commission (NMWQCC) domestic water quality standard of 250 milligrams per liter (mg/L) in all samples, except TW-23. Well number TW-23 is located near the suspected

Mr. William C. Olson
June 12, 2003
Page 2

source for the impact; a casing leak at Vacuum Glorietta San Andres Unit Well #58-A. The well has been plugged. Groundwater extraction well #3 is also located near the suspected source, and pumping was stopped in October 2002 to allow groundwater to stabilize. Chloride was reported in groundwater from well TW-23 at 384 mg/L on November 6, 2002. The chloride concentration was reported at 1,440 mg/L on May 15, 2003, and indicated a significant increase. The chloride increase may be in response to groundwater contacting soil in the capillary zone that contains residual chloride. ChevronTexaco proposes to resume pumping extraction well #3 to maintain hydraulic control of the contaminant source, reduce the chloride level in groundwater at TW-23, and to promote flushing in the capillary zone. A timing devise will be installed at extraction well #3 to pump the well for a period of about 12 to 24 hours, and turn off the pump for a period from about 24 to 48 hours. The pumping and resting periods may be adjusted to optimize flushing and maintain hydraulic control. Depth-to-groundwater measurements and groundwater samples will be collected from the monitoring wells and the pumping extraction well on a quarterly schedule to monitor remediation progress. The samples will be analyzed for chloride and TDS, and the results will be submitted to the NMOCD in the annual report. Please contact Mr. Rodney Bailey with ChevronTexaco at (432) 687-7251 or myself at (432) 687-0901 if you have questions.

Sincerely,

Larson and Associates, Inc.



Mark J. Larson, CPG, CGWP
President

Encl.

cc: Rodney Bailey

TABLES

Table 1
Summary of Field and Laboratory Data
ChevronTexaco Inc., Vacuum Field Unit, Case #R279
Lea County, New Mexico

Page 1 of 1

Monitoring Well	Sample Date	Depth-to-Groundwater Feet TOC	Chloride (mg/L)	TDS (mg/L)
TW-9	15-May-03	129.01	120	--
TW-10	15-May-03	127.99	44.3	--
TW-11	15-May-03	128.97	35.4	--
TW-13	15-May-03	128.85	39.0	--
TW-14	15-May-03	126.78	65.0	--
TW-15	15-May-03	123.50	88.6	--
TW-17	15-May-03	122.87	31.9	--
TW-19	15-May-03	121.80	35.4	--
TW-20	15-May-03	129.07	35.4	--
TW-23	15-May-03	124.42	1440	--
Ext. #1	15-May-03	126.65	--	--
Ext. #2	15-May-03	127.21	--	--
Ext.#3	15-May-03	124.15	--	--

- Notes: Analysis performed by Environmental Lab of Texas, Inc.
1. mg/L: Milligrams per liter
 2. --: No data available
 3. TDS: Total dissolved solids

ATTACHMENT A

Environmental Lab of Texas, Inc. Report

ANALYTICAL REPORT

Prepared for:

Ray Jones
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Project: Chevron Texaco

PO#:

Order#: G0306536

Report Date: 05/21/2003

Certificates

US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0306536
Project: 2-0124
Project Name: Chevron Texaco
Location: Buckeye Gas Plant

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0306536-01	TW-14	WATER	5/16/03 12:30	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-02	TW-10	WATER	5/16/03 13:30	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-03	TW-9	WATER	5/16/03 14:15	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-04	TW-19	WATER	5/19/03 9:20	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-05	TW-15	WATER	5/19/03 9:45	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-06	TW-23	WATER	5/19/03 10:15	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-07	TW-17	WATER	5/19/03 10:45	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-08	TW-11	WATER	5/19/03 13:45	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710
915-687-0456

Order#: G0306536
Project: 2-0124
Project Name: Chevron Texaco
Location: Buckeye Gas Plant

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0306536-09	TW-20	WATER	5/19/03 14:50	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		
0306536-10	TW-13	WATER	5/19/03 14:45	5/20/03 8:00	1 L HDPE	Ice
	<u>Lab Testing:</u> Chloride	Rejected: No		Temp: 12 C		

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Ray Jones
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306536
Project: 2-0124
Project Name: Chevron Texaco
Location: Buckeye Gas Plant

Lab ID: 0306536-01
Sample ID: TW-14

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	65.0	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-02
Sample ID: TW-10

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	44.3	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-03
Sample ID: TW-9

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	120	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-04
Sample ID: TW-19

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	35.4	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-05
Sample ID: TW-15

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	88.6	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-06
Sample ID: TW-23

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	1440	mg/L	1	5.00	9253	5/21/03	SB

RL = Reporting Limit N/A = Not Applicable

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Ray Jones
LARSON AND ASSOCIATES, INC.
P.O. BOX 50685
MIDLAND, TX 79710

Order#: G0306536
Project: 2-0124
Project Name: Chevron Texaco
Location: Buckeye Gas Plant

Lab ID: 0306536-07
Sample ID: TW-17

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	31.9	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-08
Sample ID: TW-11

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	35.4	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-09
Sample ID: TW-20

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	35.4	mg/L	1	5.00	9253	5/21/03	SB

Lab ID: 0306536-10
Sample ID: TW-13

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	39.0	mg/L	1	5.00	9253	5/21/03	SB

Approval: Raland K Tuttle 5-22-03
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0306536

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0005594-01			<5.00		
MS	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0306536-01	65	167	230	98.8%	
MSD	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0306536-01	65	167	233	100.6%	1.3%
SRM	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L		0005594-04		5000	4960	99.2%	

CLIENT NAME:		SITE MANAGER:		PARAMETERS/METHOD NUMBER		CHAIN—OF—CUSTODY RECORD	
PROJECT NO.:		PROJECT NAME:		NUMBER OF CONTAINERS		LABORATORY & ADDRESS	
2-0121		Bakery Gas Plant		1		<div> <div> <div>LAB. ID. NUMBER</div> <div>(LAB USE ONLY)</div> </div> <div> <div>REMARKS</div> <div>(I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)</div> </div> </div>	
DATE		TIME		WATER		SOIL	
5/11/03 13:30		✓		TW-14			
5/14/03 13:30		✓		TW-10			
5/14/03 14:15		✓		TW-9			
5/19/03 7:20		✓		TW-19			
5/19/03 9:45		✓		TW-15			
5/19/03 10:15		✓		TW-23			
5/19/03 10:45		✓		TW-17			
5/19/03 13:45		✓		TW-11			
5/19/03 14:15		✓		TW-20			
5/19/03 14:45		✓		TW-13			
SAMPLED BY: (Signature)		DATE: 5/19/03		RELINQUISHED BY: (Signature)		DATE: 5/19/03	
RELINQUISHED BY: (Signature)		DATE: 5/20/03		RECEIVED BY: (Signature)		DATE: 5/20/03	
COMMENTS:		TURNAROUND TIME NEEDED		RECEIVED BY: (Signature)		DATE: 5-20-03	
RECEIVING LABORATORY:		ENV. LAB. OF TEXAS		RECEIVED BY: (Signature)		DATE: 5-20-03	
ADDRESS:		123 12th		LA CONTACT PERSON:		LA CONTACT PERSON:	
CITY:		STATE:		PHONE:		PHONE:	
CONTACT:		ZIP:		SAMPLE TYPE:		SAMPLE TYPE:	



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

March 19, 2003

Mr. Rodney Bailey
ChevronTexaco
15 Smith Road
Midland, Texas 79705

**RE: CASE # 1R279
VACUUM FIELD UNIT
LEA COUNTY, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed ChevronTexaco's January 14, 2003 "2002 - GROUNDWATER MONITORING SUMMARY AND CLOSURE REPORT, BUCKEYE VACUUM FIELD UNIT LEA COUNTY, NEW MEXICO, SECTION 1, T-18S, R-34E." This document contains the results of ChevronTexaco's remediation and monitoring of contaminated ground water at the Vacuum Field Unit site south of Buckeye, New Mexico. The document also requests closure of ground water remediation and monitoring actions at the site.

At sites that pre-date OCD Rule 19, the OCD requires that ground water remediation and monitoring continue until ground water has been remediated to concentrations below New Mexico Water Quality Control Commission (WQCC) standards for a minimum of 4 consecutive quarters or 4 consecutive longer term sampling events. A review of the monitoring data shows that the chloride concentration in ground water in at least 2 wells is still above WQCC standards. Therefore, the OCD cannot issue final closure approval. The OCD requires that ChevronTexaco continue to monitor ground water quality at the site pursuant to the previously approved plan. In addition to analyzing water samples for chloride concentrations, the OCD also requires that ChevronTexaco include total dissolved solids (TDS) as an analyte in all future water quality sampling events.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,

William C. Olson

Hydrologist

Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Ike Tavarez, Highlander Environmental Corp.

Permian Business Unit
North America Upstream
15 Smith Road
Midland, TX 79705
Tel (915) 687-7251
Fax (915) 687-7110
bailerg@chevrontexaco.com

Rodney Bailey
HES Champion

ChevronTexaco

Date: January 14, 2003

RECEIVED

Environmental Bureau
Oil Conservation Division
Energy, Minerals and Natural Resources Department
2040 S. Pacheco
Santa Fe, New Mexico 87505

JAN 17 2003

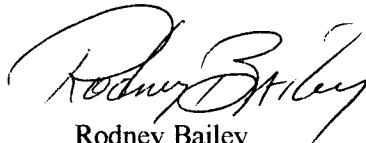
ENVIRONMENTAL BUREAU
OIL CONSERVATION DIVISION

Re: 2002 - Groundwater Monitoring Summary and Closure Report
Buckeye Vacuum Field Unit Lea County, New Mexico
Section 1, T-18S, R-34E

Dear Mr. Olson:

Attached is a Final Closure report for the above mentioned site. Based on the remediation performed, the significant reduction in chloride levels and residual chloride levels which would not pose any future threat to groundwater in the vicinity, ChevronTexaco request closure on this site. If you have any question or additional information is needed please call me at 915-687-7251.

Sincerely,

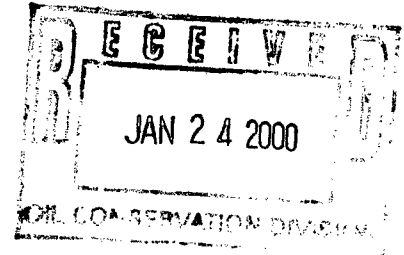


Rodney Bailey
ChevronTexaco
HES Champion



Highlander Environmental Corp.

Midland, Texas



January 21, 2000

Mr. William C. Olson, Hydrogeologist
Environmental Bureau
Oil Conservation Division
Energy, Minerals and Natural Resources Department
2040 S. Pacheco
Santa Fe, New Mexico 87505

Re: Annual Groundwater Monitoring Report – (1999) Quarterly Groundwater Monitoring at the Texaco, Buckeye Vacuum Field Unit, Lea County, New Mexico

Dear Mr. Olson,

On behalf of Texaco Exploration and Production, Inc. (Texaco), please find enclosed one copy of the above-referenced report. The report details the findings of the annual groundwater monitoring conducted by Highlander Environmental Corp. (Highlander) at the Buckeye Vacuum Field Unit, Lea County, New Mexico.

Please call if you have any questions.

Sincerely,
Highlander Environmental Corp.

Ike Tavaréz
Project Manager/Geologist

cc: Mr. Rodney Bailey, Texaco Exploration and Production, Inc.
Ms. Donna Williams, OCD-Hobbs District



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

June 14, 1999

CERTIFIED MAIL

RETURN RECEIPT NO. Z-274-520-672

Mr. Rodney Bailey
Texaco E&P Inc.
205 E. Bender
Hobbs, New Mexico 88240

**RE: VACUUM FIELD UNIT MONITOR WELL PLUGGING
LEA COUNTY, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed Texaco Exploration & Production Inc.'s (TEPI) April 27, 1999 "WORK PLAN FOR PLUGGING OF MONITOR WELLS, TEXACO EXPLORATION AND PRODUCTION INC., VACUUM FIELD UNIT, BUCKEYE, LEA COUNTY, NEW MEXICO" which was submitted on behalf of TEPI by their consultant Highlander Environmental Corp. This document contains a work plan for plugging 13 monitor wells related to TEPI's monitoring of ground water at the Vacuum Field Unit site south of Buckeye, New Mexico.

The above referenced plugging work plan is approved on the condition that documentation of the actual plugging actions conducted at each monitor well be included in the next annual report on ground water sampling due on February 2, 2000. Please be advised that OCD approval does not limit TEPI to the proposed work plan should the plan fail to adequately plug the monitor wells. In addition, OCD approval does not relieve TEPI of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,

A handwritten signature in dark ink, appearing to read "Will Olson".

William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Ike Tavaréz, Highlander Environmental Corp.

Z 274 520 672

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Highlander Environmental Corp.

Midland, Texas

April 27, 1999

Mr. Rodney Bailey, EH & S Coordinator
Texaco Exploration and Production, Inc.
Hobbs Operating Unit
205 East Bender
Hobbs, New Mexico 88240

APR 29 1999

**Re: Work Plan for Plugging of Monitor wells, Texaco Exploration and Production, Inc.,
Vacuum Field Unit, Buckeye, Lea County, New Mexico**

Dear Mr. Bailey:

Per your request, please find one copy of the above-referenced workplan. This workplan presents the plugging of selected monitor wells at the Site located at Buckeye, New Mexico. Highlander Environmental Corp. will continue the quarterly sampling of the other monitor wells at the Site.

Please call if you have questions.

Sincerely,
Highlander Environmental Corp.

Ike Tavaréz
Project Manager/Geologist

Encl.



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

January 29, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-274-520-606

Mr. Rodney Bailey
Texaco E&P Inc.
205 E. Bender
Hobbs, New Mexico 88240

**RE: VACUUM FIELD UNIT
LEA COUNTY, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed Texaco Exploration & Production Inc.'s (TEPI) October 14, 1998 "GROUNDWATER MONITORING REPORT, TEXACO EXPLORATION AND PRODUCTION INC., VACUUM FIELD UNIT, BUCKEYE, LEA COUNTY, NEW MEXICO" which was submitted on behalf of TEPI by their consultant Highlander Environmental Corp. This document contains the results of TEPI's monitoring of contaminated ground water at the Vacuum Field Unit site south of Buckeye, New Mexico. The document also contains TEPI's proposal for plugging and abandonment of a number of the monitoring wells and a work plan for additional ground water monitoring of the remaining monitor wells.

The above referenced plugging and ground water monitoring proposal is approved with the following conditions:

1. Monitor wells TW-10, TW-13 and TW-20 will not be plugged and will be included in the ground water monitoring plan.
2. Prior to conducting any plugging activities, TEPI will submit to the OCD for approval a monitor well plugging and abandonment work plan.
3. All ground water quality samples will be obtained and analyzed using EPA approved methods and procedures including use of appropriate quality assurance/quality control (QA/QC) methods.

Mr. Rodney Bailey
January 29, 1999
Page 2

4. TEPI will submit an annual report on ground water sampling to the OCD by February 2, 2000. The report will be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office. The report will contain:
 - a. A description and summary of all past and present remediation and monitoring activities including conclusions and recommendations.
 - b. A summary of all past and present water quality sampling results including copies of the laboratory analytical data sheets and associated (QA/QC) data from the recent sampling events.
 - c. A site map showing the location of all monitor wells , recovery wells and relevant site features.
 - d. A water table elevation map constructed using the water table elevation of ground water in all site monitor and recovery wells. The map will show the direction and magnitude of the hydraulic gradient.
5. TEPI will notify the OCD at least 1 week in advance of all scheduled activities such that the OCD has the opportunity to witness the sampling events and split samples.
6. All wastes generated will be disposed of at an OCD approved facility.

Please be advised that OCD approval does not limit TEPI to the proposed work plan should the plan fail to adequately remediate or monitor contamination related to TEPI's activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve TEPI of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office
Vijay K. Kurki, Highlander Environmental Corp.

Z 274 520 606

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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

August 19, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-235-437-320

Mr. Rodney Bailey
Texaco E&P Inc.
205 E. Bender
Hobbs, New Mexico 88240

**RE: VACUUM FIELD UNIT
LEA COUNTY, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed Texaco Exploration & Production Inc.'s (TEPI) May 1, 1998 "RESULTS OF GROUNDWATER MONITORING, TEXACO EXPLORATION AND PRODUCTION INC., VACUUM FIELD UNIT, BUCKEYE, LEA COUNTY, NEW MEXICO" which was submitted on behalf of TEPI by their consultant Highlander Environmental Corp. This document contains the results of TEPI's remediation and monitoring of contaminated ground water at the Vacuum Field Unit site south of Buckeye, New Mexico. The document also contains TEPI's proposal for plugging and abandonment of a number of the monitoring wells and future closure of the site.

A review of the above referenced document shows that ground water at the site has been previously sampled for chloride, but not for other oil field related contaminants. Therefore, the OCD defers comment on the proposals contained in the above referenced document and requires that TEPI:

1. Sample and analyze ground water from all of the monitor wells and extraction wells for benzene, toluene, ethylbenzene and xylene (BTEX) using EPA approved methods and quality assurance/quality control (QA/QC).
2. Submit a report on ground water sampling to the OCD by October 16, 1998. The report will be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office. The report will contain:
 - a. A description and summary of all past and present remediation and monitoring activities including conclusions and recommendations.

Mr. Rodney Bailey
August 19, 1998
Page 2

- b. A summary of all past and present water quality sampling results including copies of the laboratory analytical data sheets and associated QA/QC data from the recent sampling event.
 - c. A site map showing the location of all monitor wells , recovery wells and relevant site features.
 - d. A water table elevation map constructed using the water table elevation of ground water in all site monitor and recovery wells.
3. Notify the OCD at least 1 week in advance of all scheduled activities such that the OCD has the opportunity to witness the sampling event and split samples.

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson
Hydrologist
Environmental Bureau

xc: Wayne Price, OCD Hobbs Office
Ike Tavarez, Highlander Environmental Corp.

Z 235 437 320

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PS Form 3800, April 1995