

1R - 255

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**

2000 - 2006



170255  
MidContinent SBU  
Chevron North America  
Exploration and Production Company  
11111 S. Wilcrest  
Houston, TX 77099

September 25, 2006

Mr. Wayne Price  
New Mexico Oil Conservation Division  
1220 So. St. Francis Drive  
Santa Fe, New Mexico 87505

**Subject: 2006 Annual Groundwater Monitoring Report  
J.R. Phillips Tank Battery No. 2, Lea County, New Mexico  
Prepared for Chevron Environmental Management Company  
OGRID No. 4323**

Dear Mr. Price:

Enclosed is the subject report for ground water monitoring work completed at the J.R. Phillips Tank Battery No. 2 during 2006. The report provides information and details on the ground water monitoring activities completed by Conestoga-Rovers & Associates (CRA) for the annual monitoring event in 2006.

All future monitoring and reporting work will be completed by Chevron's agent for this site:

Conestoga-Rovers & Associates  
2135 South Loop 250 West  
Midland, TX 79703

If you have any questions concerning this report or the on-going work, please call me at (281) 561-3653. Or you can contact Luke Markham with CRA at (432) 686-0086.

Sincerely,

A handwritten signature in cursive script, appearing to read "Scott Toner".

Scott Toner  
Remediation Project Manager

Enclosure

Cc: Ms. Patricia Caperton, NMOCD (with electronic copy of report)  
Mr. Luke Markham, CRA (without copy of report)  
Mr. Tom Larson, CRA (without copy of report)



IR 255

## **2006 ANNUAL GROUNDWATER MONITORING REPORT**

**J.R. PHILLIPS TANK BATTERY NO. 2**

**OGRID NO. 4323**

**SE/4, NW/4, SECTION 6, T-20-S, R-37-E**

**LATITUDE: N 32° 36' 22.3" LONGITUDE: W 103° 17' 41.5"**

**LEA COUNTY, NEW MEXICO**



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

October 1, 2004

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

**RE: CASE #1R0255  
J.R. PHILLIPS #2 TANK BATTERY SITE  
MONUMENT, 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, J.R. PHILLIPS TANK BATTERY NO. 2, NW/4 SE/4, SECTION 30, TOWNSHIP 18 SOUTH, RANGE 38 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 J.R. Phillips #2 Tank Battery south of Monument, New Mexico. The document also proposes to change the sampling schedule of ground water monitoring wells from semi-annual to 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.

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MAY 12 2004

OIL CONSERVATION  
DIVISION

May 10, 2004

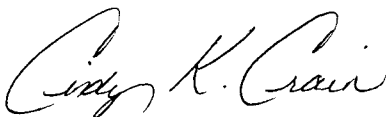
Mr. William C. Olson, Hydrologist  
Environmental Bureau  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Annual Groundwater Monitoring Report, Texaco Exploration and  
Production Inc., J. R. Phillips Tank Battery No. 2, NW/4, SE/4, Section 30,  
Township 18 South, Range 38 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 Scott Toner at (432) 687-7318 or myself at (432) 687-0901 if you have questions.

Sincerely,  
**Larson and Associates, Inc.**



Cindy K. Crain, CPG  
Project Manager

cc: Scott Toner - Texaco  
Chris Williams - NMOCD District I

IR 255

**Olson, William**

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**From:** Cindy Crain [cindy@laenvironmental.com]

**Sent:** Tuesday, November 18, 2003 7:53 AM

**To:** Bill Olson; Paul Sheeley

**Subject:** Groundwater Monitoring at ChevronTexaco E&P, J. R. Phillips Tank Battery No. 2, Lea County, NM

Dear Mr. Olson and Mr. Sheeley,

Larson and Associates, Inc. will be conducting groundwater monitoring activities at the ChevronTexaco J. R. Phillips Tank Battery No. 2, located in the SE/4, NW/4, Section 6, Township 20 South, Range 37 East, Lea County, New Mexico. Activities are scheduled to begin on Thursday, November 20, 2003.

Please call me at (432) 687-0901 if you have any questions.

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

2/3/2004

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APR 29 2003

ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION

April 25, 2003

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, Texaco Exploration and  
Production Inc., J. R. Phillips Tank Battery No. 2, NW/4, SE/4, Section 30,  
Township 18 South, Range 38 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, and presents the results of annual groundwater monitoring conducted by Larson and Associates, Inc. Please call Scott Toner at (915) 687-7318 or myself at (915) 687-0901 if you have questions.

Sincerely,  
*Larson and Associates, Inc.*



Cindy K. Crain  
Geologist

cc: Scott Toner - Texaco  
Chris Williams - NMOCD District I

RECEIVED

MAY 27 2001

ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION

May 24, 2001

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: Groundwater Assessment Report, Texaco Exploration and Production Inc.,  
J. R. Phillips Tank Battery # 2, SE/4, NW/4, Section 6, Township 20 South,  
Range 37 East, Lea County, New Mexico, May 24, 2001**

Dear Mr. Olson:

Please find enclosed copy of the above-referenced report. The report is submitted on behalf of Texaco Exploration and Production Inc., and presents the results of a subsurface investigation conducted by Larson and Associates, Inc. Please call Rodney Bailey at (915) 688-2971 or myself at (915) 687-0901 if you have questions.

Sincerely,  
*Larson and Associates, Inc.*



Mark J. Larson, CPG, CGWP  
President

cc: Rodney Bailey - Texaco  
Chris Williams -- NMOCD District I



APR 23 2001

April 20, 2000


Mr. William C. Olson, Hydrologist  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Request for Extension, Texaco Exploration and Production Inc., J. R.  
Phillips # 2 Tank Battery Site, SE/4, NW/4, Section 6, Township 20 South,  
Range 37 East, Lea County, New Mexico**

Dear Mr. Olson:

This request is submitted on behalf of Texaco Exploration and Production Inc. for submittal of a report pertaining to a subsurface investigation conducted at the above-referenced facility. An extension is requested until May 25, 2001 for submittal of the report. Your prompt consideration of this request is appreciated. Please call Rodney Bailey at (915) 688-2971 or myself at (915) 687-0901 if you have questions.

Sincerely,  
**Larson and Associates, Inc.**



Mark J. Larson, CPG, CGWP  
President

cc: Rodney Bailey, Texaco Exploration and Production Inc.  
Chris Williams, New Mexico Oil Conservation Division – District I

**Larson & Associates, Inc.**  
**Environmental Consultants**  
**P.O. Box 50685**  
**Midland, Texas**  
**79710-0685**  
**Phone: (915) 687-0901**  
**Fax: (915) 687-0456**

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**TO:** William C. Olson

**WITH:** New Mexico Oil Conservation Division – Environmental Bureau  
Santa Fe, New Mexico

**FAX:** (505) 476-3462

**DATE:** April 20, 2001

**FROM:** Mark J Larson

**WITH:** Larson & Associates, Inc.  
Midland, Texas

**PAGES:** 2 (Includes Cover)

**RE:** Request for Extension for Submittal of Investigation Report for J. R.  
Phillips # 2 Tank Battery, Lea County, New Mexico

*Verbal Approval  
4/25/01  
Will Olson*

---

**Larson & Associates, Inc.**  
**507 North Marienfeld, Suite 202**  
**Midland, Texas**  
**79701**  
**larsonandassociates@prodigy.net**

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If this fax is not legible please call Mark J. Larson at (915) 687-0901



April 20, 2000

Mr. William C. Olson, Hydrologist  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Request for Extension, Texaco Exploration and Production Inc., J. R.  
Phillips # 2 Tank Battery Site, SE/4, NW/4, Section 6, Township 20 South,  
Range 37 East, Lea County, New Mexico**

Dear Mr. Olson:

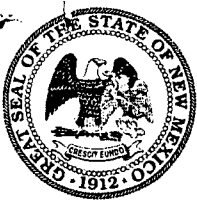
This request is submitted on behalf of Texaco Exploration and Production Inc. for submittal of a report pertaining to a subsurface investigation conducted at the above-referenced facility. An extension is requested until May 25, 2001 for submittal of the report. Your prompt consideration of this request is appreciated. Please call Rodney Bailey at (915) 688-2971 or myself at (915) 687-0901 if you have questions.

Sincerely,  
*Larson and Associates, Inc.*

A handwritten signature in black ink, appearing to read 'Mark J. Larson', with a long horizontal line extending to the right.

Mark J. Larson, CPG, CGWP  
President

cc: Rodney Bailey, Texaco Exploration and Production Inc.  
Chris Williams, New Mexico Oil Conservation Division -- District I



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

February 23, 2001

**CERTIFIED MAIL**  
**RETURN RECEIPT NO: 5051-4157**

Mr. Rodney Bailey  
Texaco Exploration & Production, Inc.  
500 N. Loraine  
Midland, Texas 79701

**RE: CASE #1R0255**  
**J.R. PHILLIPS #2 TANK BATTERY SITE**  
**MONUMENT, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed Texaco Exploration & Production, Inc.'s (Texaco) November 28, 2000 "COMPREHENSIVE REPORT AND PROPOSED INVESTIGATION PLAN, TEXACO EXPLORATION AND PRODUCTION INC., J.R. PHILLIPS TANK BATTERY NO. 2, SE/4, NW/4, SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO" which was submitted on behalf of Texaco by their consultant Larson & Associates, Inc. This document contains the results of Texaco's recent investigation of ground water contamination at the J.R. Phillips #2 Tank Battery south of Monument, New Mexico. The document also contains Texaco's work plan for installation of additional ground water monitoring wells at the site.

The above-referenced work plan is approved with the following conditions:

1. Texaco shall install a source monitor well at the approximate location of the SE borehole.
2. All monitor wells shall be developed after construction using EPA approved procedures
3. No less than 48 hours after the wells are developed, ground water from all monitor wells at each site shall be purged, sampled and analyzed for concentrations of benzene, toluene, ethylbenzene, xylene, total dissolved solids (TDS) and major cations and anions using EPA approved methods and quality assurance/quality control (QA/QC).
4. All wastes generated during the investigation shall be disposed of at an OCD approved facility.

5. Texaco shall submit the results of the investigation to the OCD by April 23, 2001. The report shall be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and shall include the following investigative information:
- a. A description of the investigation activities which occurred including conclusions and recommendations.
  - b. A geologic/lithologic log and well completion diagram for each monitor well.
  - c. A water table map showing the location of the spills, excavated areas, monitor wells, recovery wells and any other pertinent site features as well as the direction and magnitude of the hydraulic gradient created using the water table elevation from each monitor well.
  - d. Isopleth maps for contaminants observed during the investigations.
  - e. Summary tables of all past and present ground water quality sampling results and copies of all recent laboratory analytical data sheets and associated QA/QC data.
  - f. The disposition of all wastes generated.
6. Texaco shall notify the OCD at least 48 hours in advance of scheduled activities such that the OCD has the opportunity to witness the events and split samples.

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

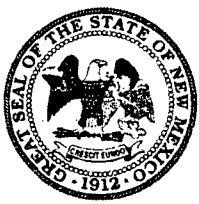
If you have any questions or comments, please contact me at (505) 476-3491.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office  
Mark Larson, Larson & Associates, Inc.



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor

**Jennifer A. Salisbury**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

October 20, 2000

**CERTIFIED MAIL**

**RETURN RECEIPT NO: 5051-3648**

Mr. Rodney Bailey  
Texaco Exploration & Production, Inc.  
500 N. Loraine  
Midland, Texas 79701

**RE: J.R. PHILLIPS #2 TANK BATTERY SITE  
MONUMENT, NEW MEXICO**

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed Texaco Exploration & Production, Inc.'s (Texaco) October 16, 2000 "PRELIMINARY REPORT AND REQUEST TO CLOSE EXCAVATION, TEXACO EXPLORATION AND PRODUCTION INC., J.R. PHILLIPS TANK BATTERY NO. 2, SE/4, NW/4, SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO" which was submitted on behalf of Texaco by their consultant Larson & Associates, Inc. This document contains the results of Texaco's excavation of contaminated soils at the J.R. Phillips #2 Tank Battery south of Monument, New Mexico. The document also requests permission to fill the excavation with clean soil and install a 2 foot clay cap covered with 2 feet of clean soil at the surface.

The above-referenced request is approved with the following condition:

1. The comprehensive report on the site shall be submitted to the OCD Santa Fe Office by November 30, 2000 with a copy provided to the OCD Hobbs District Office.

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

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Will Olson".

William C. Olson  
Hydrologist  
Environmental Bureau

xc: Chris Williams, OCD Hobbs District Office  
Mark Larson, Larson & Associates, Inc.



State of New Mexico  
ENERGY MINERALS and NATURAL RESOURCES DEPARTMENT  
Santa Fe, New Mexico 87505

STATE OF  
NEW MEXICO  
OIL  
CONSERVATION  
DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☐ Personal

Time 1350

Date 3/27/00

Originating Party

Rockey Bailey - Texaco

Other Parties

Bill Olson - Envir. Bureau

Subject

J.R. Phillips Battery

Discussion

Discovery of ground water contamination  
Drilled monitor well on downgradient edge of site  
Ground water had 41,000  $\mu\text{mCl}^-$   
Want to drill additional upgradient wells

Conclusions or Agreements

Told him OK to drill additional wells using prior OCD well construction  
and sample for BTEX and cations/anions

Distribution

Signed

Bill Olson