

## Bratcher, Mike, EMNRD

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**From:** Tavarez, Ike [Ike.Tavarez@tetrattech.com]  
**Sent:** Tuesday, November 24, 2009 2:20 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** mkincaid@sjoc.net  
**Subject:** Stephens & Johnson -(2RP357) Mobil 22 Fed #6 - Site Data and Extension Request  
**Attachments:** Stephens & Johnson - Mobil 22 Fed. #6.pdf

Stephens & Johnson Operating Co.  
2RP - 357  
Mobil 22 Federal #6  
Section 22, T26E, R29E, Unit Letter K  
Eddy County, New Mexico

Mike,

According to Letter of Violation (LOV) dated October 27, 2009, a corrective action work plan be submitted no later than November 27, 2009. Stephens and Johnson request an extension to assess and implement the corrective action at the Site. The sampling performed by Tetra Tech is summarized below.

According to the C-141, the spill occurred from well stuffing box leak, releasing less than 5 barrels of fluids. The spill remained on the well pad and measured approximately 80' x 40'. A total of three (3) auger holes were installed to assess the spill area. The depth to groundwater in the area is approximately 57-69' below surface. As shown in Table 1, AH-1 (0-1') exceeded the RRAL for TPH (3,607 mg/kg) and Total BTEX (1069 mg/kg) and declined below the RRAL at 1-1.5'. AH-2 did not show any concentrations above the RRAL. The chloride concentrations were elevated in all of the auger holes. These areas were not define due to the dense formation encountered at the Site.

### Proposed Corrective Action

Stephens & Johnson propose to excavated spill area to a depth of 1.0 to 2.0' below surface. Once excavated, backhoe test trenches will be installed to define the vertical extents of the chloride impact. Once define, a work plan or closure report will be submitted for review. We will implement the corrective action and assessment work the week of November 30, 2009. If you have question please call me, thank

Ike Tavarez, PG | Senior Project Manager

Main: 432.682.4559 | Fax: 432.682.3946 | Cell: 432.425.3878

[Ike.Tavarez@tetrattech.com](mailto:Ike.Tavarez@tetrattech.com)

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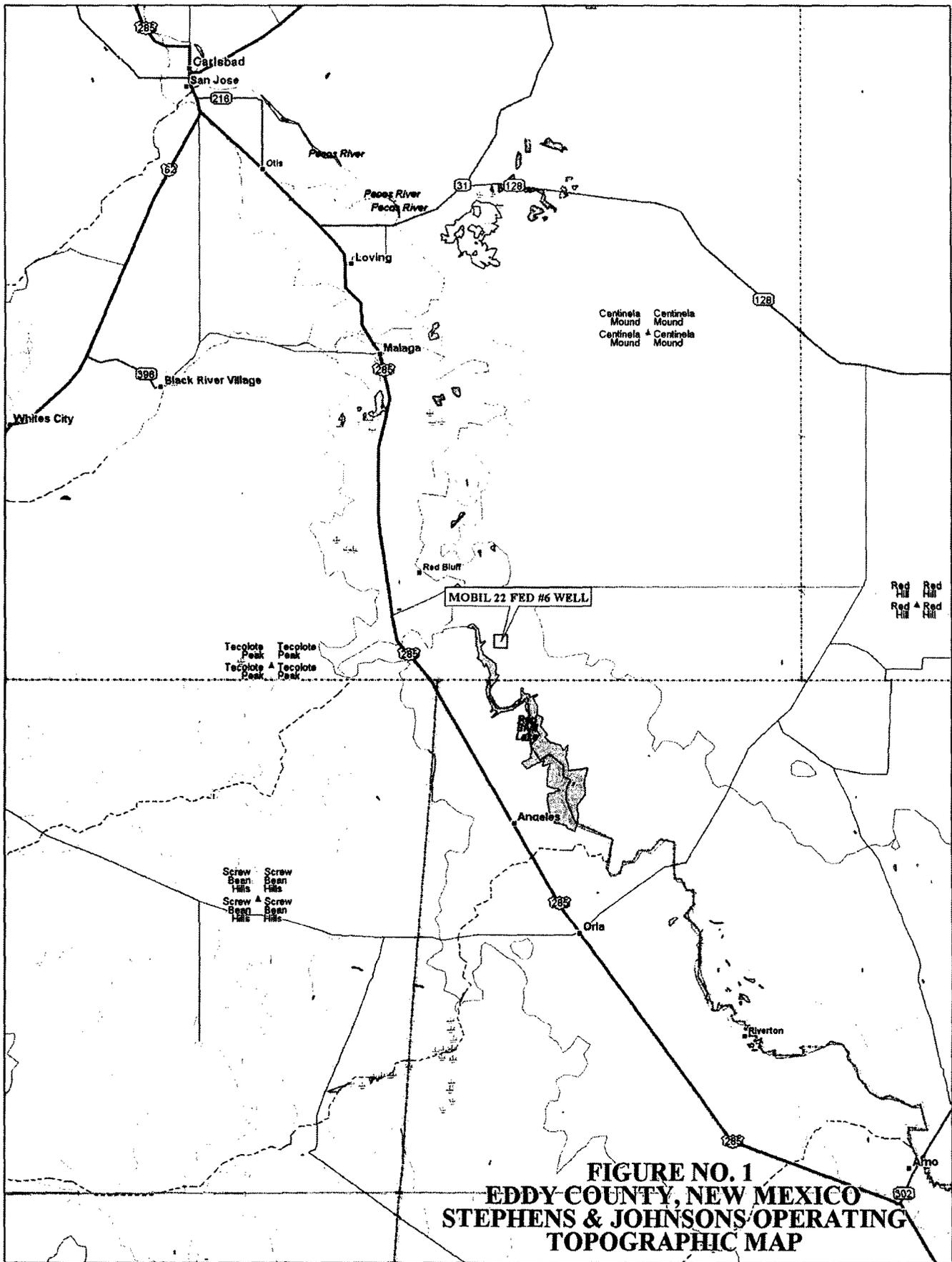
1910 North Big Spring | Midland, TX 79705 | [www.tetrattech.com](http://www.tetrattech.com)

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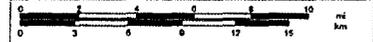


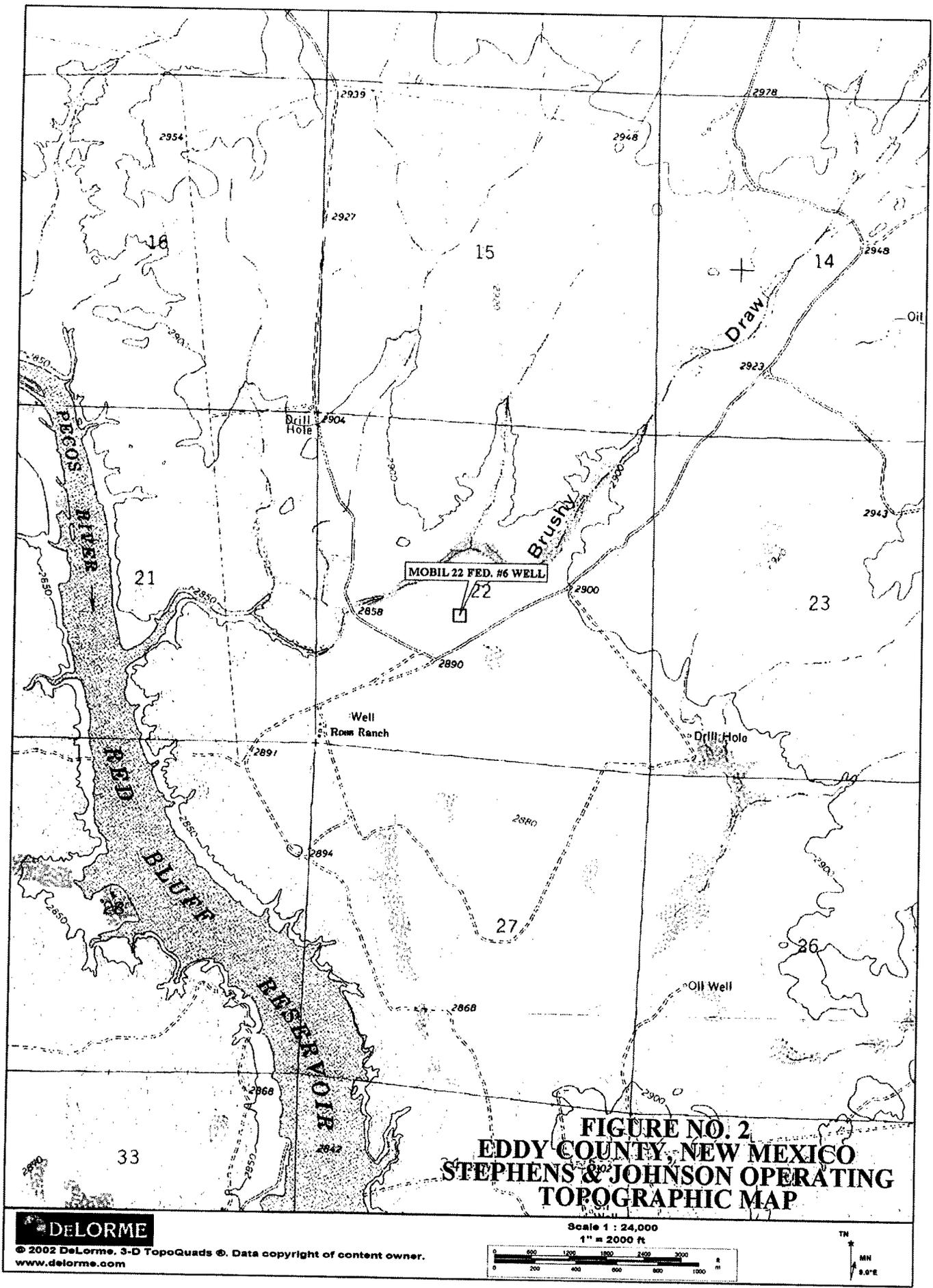
**FIGURE NO. 1  
 EDDY COUNTY, NEW MEXICO  
 STEPHENS & JOHNSON'S OPERATING  
 TOPOGRAPHIC MAP**

**DELORME**

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Scale 1 : 400,000  
 1" = 6.31 mi

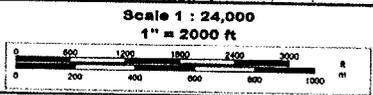


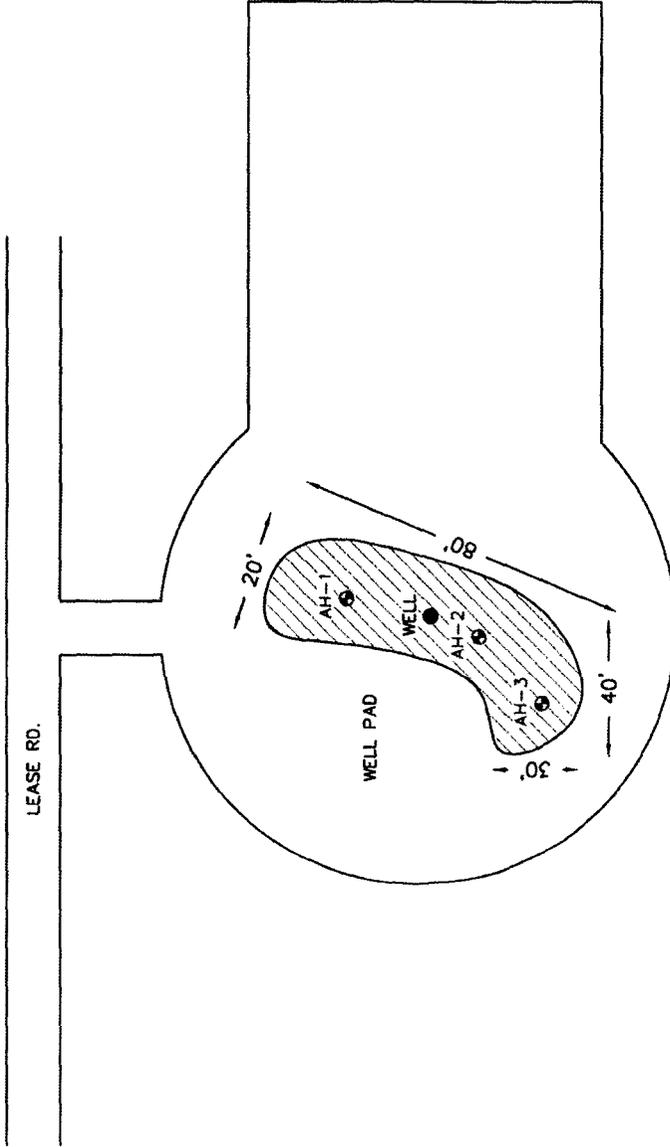
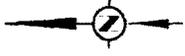


**FIGURE NO. 2**  
**EDDY COUNTY, NEW MEXICO**  
**STEPHENS & JOHNSON OPERATING**  
**TOPOGRAPHIC MAP**

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- SPILL AREA
- SAMPLE LOCATIONS

FIGURE NO. 3

EDDY COUNTY, NEW MEXICO
STEPHENS & JOHNSON OPERATING
MOBIL 22 FED #6 WELL
TETRA TECH, INC. MIDLAND, TEXAS

DATE:	11/10/09
DWG. BY:	JJ
FILE:	C:\STEPHENS & J 11-84038

NOT TO SCALE

**Table 1**  
**Stephens & Johnson Operating Co.**  
**Mobil 22 Federal #6**  
**Eddy County, New Mexico**

Sample ID	Date Sampled	Sample Depth (ft)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX	Chloride (mg/kg)
			In-Situ	Removed	DRO	GRO	Total						
AH-1	11/10/2009	0-1'	X		3580	27.3	3607.3	<0.100	<0.100	290	778	1068	3800
		1-1.5			96.7	6.31	103.01						2240
AH-2	11/10/2009	0-1'	X		<50.0	<1.0	<50.0	-	-	-	-	-	12600
AH-3	11/10/2009	0-1	X		<50	18.6	18.6	<0.010	<0.010	<0.010	<0.010	<0.010	3220

(-) Not Analyzed

## Summary Report

Ike Tavaréz  
 Tetra Tech  
 1910 N. Big Spring Street  
 Midland, TX 79705

Report Date: November 23, 2009

Work Order: 9111604



Project Location: Eddy Co., NM  
 Project Name: Stephens & Johnson/Mobil 22 Fed. #6  
 Project Number: 114-6400358

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
214898	AH-1 0-1'	soil	2009-11-10	00:00	2009-11-13
214899	AH-1 1'-1.5'	soil	2009-11-10	00:00	2009-11-13
214900	AH-2 0-1'	soil	2009-11-10	00:00	2009-11-13
214901	AH-3 0-1'	soil	2009-11-10	00:00	2009-11-13

Sample - Field Code	BTEX				TPH DRO - NEW	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
214898 - AH-1 0-1'	<0.100	<0.100	290	778	3580	27.3
214899 - AH-1 1'-1.5'					96.7	6.31
214900 - AH-2 0-1'					<50.0	<1.00
214901 - AH-3 0-1'	<0.0100	<0.0100	<0.0100	<0.0100	<50.0	18.6

**Sample: 214898 - AH-1 0-1'**

Param	Flag	Result	Units	RL
Chloride		3800	mg/Kg	4.00

**Sample: 214899 - AH-1 1'-1.5'**

Param	Flag	Result	Units	RL
Chloride		2240	mg/Kg	4.00

**Sample: 214900 - AH-2 0-1'**

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Param	Flag	Result	Units	RL
Chloride		<b>12600</b>	mg/Kg	4.00

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**Sample: 214901 - AH-3 0-1'**

Param	Flag	Result	Units	RL
Chloride		<b>3220</b>	mg/Kg	4.00

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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd, 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

0358  
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 Stephens & Johnson Operating Co.	Contact William M. Kincaid
Address P.O. Box 2249 Wichita Falls, Texas 76307-2249	Telephone No. [940] 723-2166
Facility Name Mobil 22 Federal No. 6	Facility Type Producing Oil Well
Surface Owner J. G. Ross, Jr.	Mineral Owner MMS (Federal)
	Lease No. NM-22634

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	22	26S	29E	2260	South	2310	West	Eddy

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

#### NATURE OF RELEASE

Type of Release Stuffing Box Leak	Volume of Release 2 bbls	Volume Recovered None
Source of Release Wellhead	Date and Hour of Occurrence 10-14-09	Date and Hour of Discovery 10-14-09
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully. *		
Describe Cause of Problem and Remedial Action Taken. *		
Stuffing box leaking. Stuffing box packing replaced to stop leak.		
Describe Area Affected and Cleanup Action Taken. *		
A small area around wellhead and confined to well location was contaminated with oil and water. All contaminated soil was removed and replaced with new soil on 10-16-09.		
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: <i>William M. Kincaid</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: William M. Kincaid	Approved by District Supervisor:	
Title: Petroleum Engineer	Approval Date:	Expiration Date:
E-mail Address: mkincaid@s.joc.net	Conditions of Approval:	
Date: 10-20-09 Phone: [940] 723-2166	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary



# New Mexico Energy, Minerals and Natural Resources Department

**Bill Richardson**  
Governor

Joanna Prukop  
Cabinet Secretary

Mark Fesmire  
Division Director  
Oil Conservation Division



Stephens & Johnson Operating Co.  
PO Box 2240  
Wichita Falls, TX 76307-2249  
ATTN: William M. Kincaid

October 27, 2009

Reference: Mobil 22 Fed 006 30-015-25333 K-22-26s-29e Eddy County, New Mexico

Operator,

The New Mexico Oil Conservation Division District 2 Office (OCD) is in receipt of an initial report Form C-141 reporting a release of produced fluids at or near the above referenced well site. The release was observed during a routine inspection by OCD personnel on October 14, 2009, resulting in OCD issuing a Letter of Violation (LOV). Please submit a corrective action work plan proposal (plan) for remediation and/or clean up of contaminants that may be present at this site. The plan is to be formulated based on vertical and horizontal delineation of contamination, site ranking, and OCD rules, regulations and guidelines.

A publication is available to you on the OCD website to aid in formulation of this plan. The publication may be found as follows:

<http://www.emnrd.state.nm.us/oed>

Click on each of the following items as they appear:

- Publications
- Environmental Handbook
- Miscellaneous Guidelines
- Remediation of Leaks, Spills and Releases

Please submit this plan to the OCD District 2 Office not later than **November 27, 2009**. Please include any remedial or clean up actions that may have already been performed to mitigate impact from this release.

Clean up/remediation requirements may be subject to other federal, state, local laws and/or regulations.

Sincerely,

Mike Bratcher  
NMOCD District 2  
1301 W. Grand Ave.  
Artesia, NM 88210  
575-748-1283 Ext. 108  
[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)

2RP-357

Distribution: Email to William M. Kincaid (Stephens & Johnson), Ron Harvey (OCD)

