

**TALON/LPE**

**SOIL DELINEATION WORKPLAN  
MEXICO "F" SWD  
LEA COUNTY, NEW MEXICO**



*Prepared for:*

**BLUE RIDGE RESOURCES**

*Prepared by:*

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**Talon/LPE**

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**July 14, 2006**

*RP# 953  
incident - nPAC 06200  
application - pPAC 06200*

**Blue Ridge Resources  
MEXICO "F" SWD  
SOIL DELINEATION WORKPLAN**

**Section 2, Township 15S, Range 37E  
Lea County, New Mexico  
Longitude: 103°17.149 W  
Latitude: 33°05.065 N**

**Prepared By: Eb Taylor**

**318 East Taylor Street  
Hobbs, New Mexico 88240**

## **Distribution List**

Larry Johnson  
NMOCD  
1625 N French Dr.  
Hobbs, New Mexico 88240

Mark Burkett  
2006 N. Big Spring St.  
Suite# 2006  
Midland, Texas 79705

File  
TALONLPE  
318 E. Taylor Street  
Hobbs, New Mexico 88240

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## **Introduction**

The Mexico "F" SWD is located in rural Lea County, New Mexico east of Lovington, New Mexico in Section 2, Township 15S, Range 37E at Longitude 103° 17.149W and Latitude 33°05.065N. The release occurred on state land utilized for grazing purposes (see Figure 1, site map).

On May 24, 2006 a release of approximately 62 barrels (bbls) of produced water occurred due to a faulty valve. Approximately 41 bbls of produced water was recovered. Mr. Larry Johnson of the New Mexico Oil and Conservation Division (NMOCD) was notified of the spill on June 1, 2006 via a form C-141. (appendix A)

On July 13, 2006 TALONLPE was contacted by Blue Ridge Resources to construct a delineation and sampling plan.

## **Groundwater**

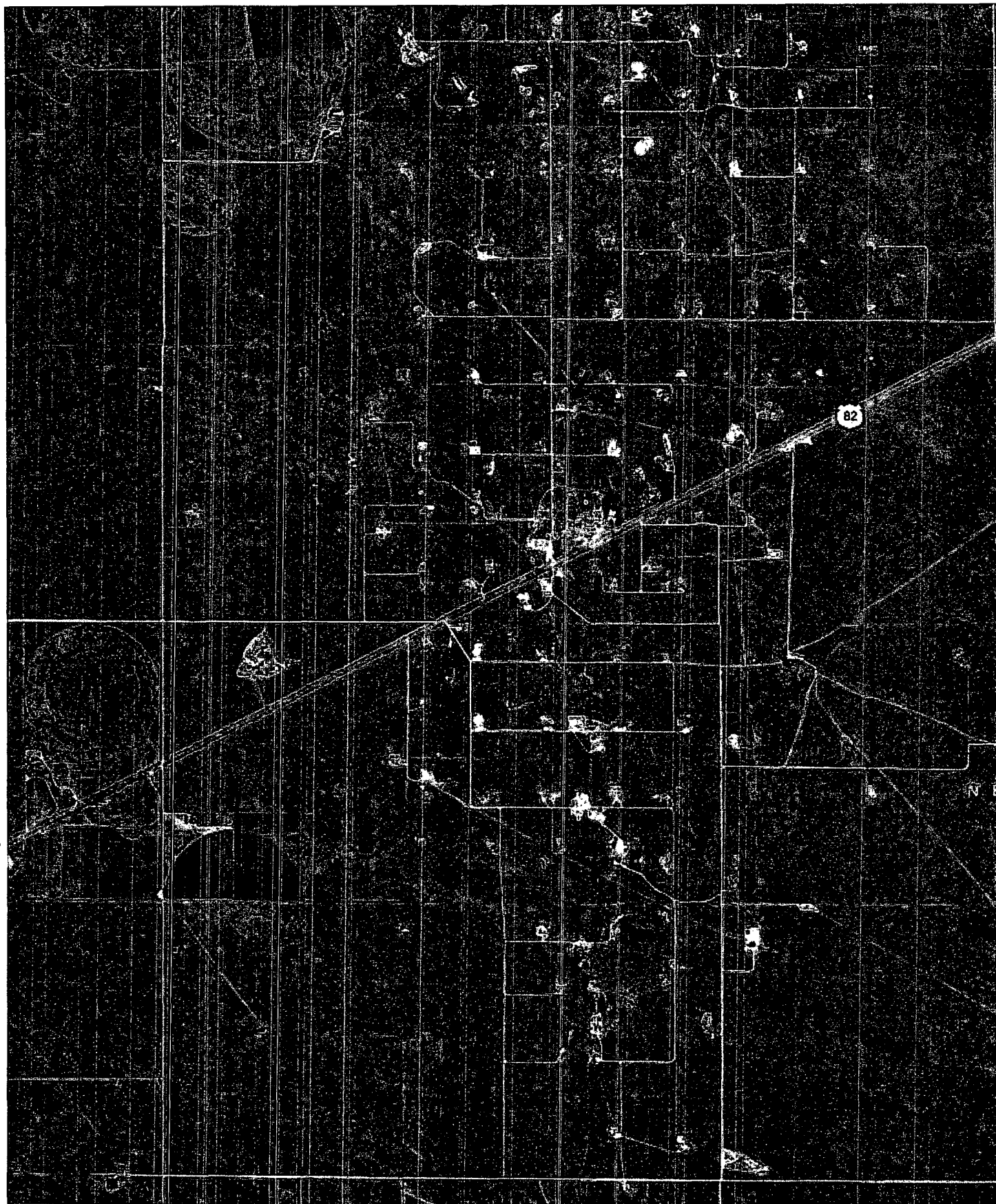
A search of the New Mexico State Engineers database ranking revealed depth to groundwater-20, wellhead protection-0, distance to groundwater-0, which sets remediation levels at:

Benzene:	10ppm
BTEX:	10ppm
TPH:	100ppm
Chlorides	250ppm

## **Delineation Recommendations**

The proposed delineation and sampling plan is to delineate the vertical and horizontal extent of the impacted soil using a backhoe. TALONLPE will start the delineation on the outside of the stained areas and utilizing a PID and a field chlorides kit to determine the horizontal extent of the impacted soils. After determining the horizontal extent of the spill, Talon/LPE will proceed with delineation of the vertical extent, again utilizing a PID and field chlorides test kit to determine that the vertical delineation has been successful. All soil samples collected will be taken to Environmental Labs of West Texas and tested for TPH and chlorides. Once analytical is received from the delineation activities TALONLPE will submit a work plan for site remediation activities to the NMOCD.

## FIGUERS



## **APPENDICIES**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Bonito 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

<b>OPERATOR</b>		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company	<i>Blue Ridge Resources LLC</i>	Contact	<i>Mark Buckett</i>
Address	<i>Box 51507, Midland, TX 79701</i>	Telephone No.	<i>432 683-8020</i>
Facility Name	<i>Mexico E. Pipeline</i>	Facility Type	<i>Storage</i>
Surface Owner	<i>State of New Mexico</i>	Mineral Owner	<i>State of New Mexico</i>
		Lease No.	<i>5-224</i>

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<i>G</i>	<i>2</i>	<i>15S</i>	<i>37E</i>	<i>1300'</i>	<i>North</i>	<i>2500'</i>	<i>West</i>	<i>Log</i>

Latitude *32.05065* Longitude *103.17149*

### NATURE OF RELEASE

Type of Release	<i>Oil and Water</i>	Volume of Release	<i>22 bbl</i>	Volume Recovered	<i>41 bbl</i>
Source of Release	<i>Leakage Tank</i>	Date and Hour of Occurrence	<i>5/24/06 11:00 AM</i>		
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	<i>GP&amp;H 5/24/06 11:00 AM</i>		
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.\*

*Corrosion at Valve - Replaced Valve*

Describe Area Affected and Cleanup Action Taken.\*

*Area adjacent to tank extending eastward in dry spots in track turnaround area. All liquid was covered up immediately. Remediation work plan will be submitted for approval.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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>Mark Buckett</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <i>Mark Buckett</i>		Approved by District Supervisor:	
Title: <i>Engineer</i>	Approval Date:	Expiration Date:	
E-mail Address: <i>mark@blueridgeresources.com</i>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <i>6/1/06</i>	Phone: <i>432 683 8020</i>		

\* Attach Additional Sheets If Necessary