

**SPILL REPORT FORM – RANGE PRODUCTION COMPANY  
USEPA REGULATION 40 CFR 112 / RRC SWR 8, 20 & 91**

<b>DATE SPILL DISCOVERED:</b> 10-22-07	<b>TIME:</b> 1000am	<b>NAME OF RESPONDER:</b> Brian Cook	
<b>LEASE WHERE SPILL OCCURED:</b> Candalerio SWD		<b>SOURCE OF SPILL (PIPELINE, TANK, ETC.)</b> SWD Line	
<b>COUNTY WHERE SPILL OCCURRED:</b> Eddy		<b>WEATHER CONDITIONS:</b> Cold	
<b>(IF KNOWN) SIZE OF SPILL:</b>	<b>DID SPILL REACH A DITCH OR STORM DRAIN?</b> N/A	<b>DID SPILL REACH NAVIGABLE WATERS, STREAM OR POND:</b> N/A	
<b>CAUSE OF SPILL AND REMEDIAL ACTION TAKEN:</b> Poly line shrunk due to cold, causing the fused area to come apart due to shrinking because there was lack of slack. Called vacuum trk to pick up spill, will call environmental company to asses.			
<b>TYPE OF DISCHARGE (OIL, WATER, FUEL, ETC):</b> water	<b>QUANTITY SPILLED (BBLs):</b> 110bbls	<b>DURATION OF SPILL:</b> 1:30	
<b>TIME SPILL CONTAINED:</b> 1000am	<b>DATE SPILL CONTAINED:</b> Same as occurred	<b>BBLs RECOVERED:</b> 100bbls	
<b>DEATHS/INJURIES/ACCIDENTS:</b> N/A			
<b>DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN:</b> Outside of firewalls. On the NW corner and West side of Btry. Approximately 40x50' area on the NW corner and 75x50' area on the west. Picked up spill and will bring in an environmental company for assesement. Will remove wet soil and place on plastic.			
<b>WITHIN COMPANY</b>			
<b>REPORTED BY:</b> Brian Cook	<b>TO:</b> Steve Almager	<b>TIME</b> 1100am	<b>DATE:</b> 10-22-07
<b>REPORTED BY:</b> Steve Almager	<b>TO:</b> Linda Stiles	<b>TIME:</b> 900am	<b>DATE:</b> 10-23-07
<b>AGENCIES NOTIFIED</b>			
<b>AGENCY:</b>	<b>REPORTED TO:</b>	<b>TIME</b>	<b>DATE:</b>
NMOCD	Mike Bracher (VM)	1000am	10-23-07
USFS			
BLM			
RRC OF TEXAS			

Fill out this form the same day the spill event is discovered and FAX to:  
SPCC Coordinator 100 Throckmorton Street, Suite 1200, Fort Worth TX 76102 (817) 869-9108



# PHOENIX ENVIRONMENTAL LLC

DEC 10 2007  
OCD-ARTESIA

P.O. Box 1856

2113 French Dr.

Hobbs, NM 88241-1856

Office 505-391-9685

Fax 505-391-9687

November 2, 2007

Range Operating  
100 Throckmorton St. Suite 1200  
Fort Worth, Texas 76102

Attn: Mr. Steve Almager  
Production Supervisor

**RE: Work Plan to Clean Up the Candelario SWD Located UL-D in Sec 24,  
T23S and R28E of Eddy County, New Mexico**

Dear Mr. Almager:

Phoenix Environmental, LLC (Phoenix) would like to take this time to thank you and Range Operating, for the opportunity to provide our professional services. Please find attached our work plan for the above listed site.

If you have any questions and/or need more data in regards to projects please call at any time. My cell phone is 505-631-8314.

Sincerely,

Allen Hodge, REM  
VP Operations  
Phoenix Environmental LLC



## **Summary/Overview**

The Candelario SWD site spill should be completed and remediated in accordance with the standards of the NMOCD. It is our understanding that any potential contamination from the site was a result of a failed weld in a poly line that was just outside the berms at the battery due to cold weather.

The potential contaminates of concern are mid to high-level concentrations of produced water that was lost due to the failed weld in the poly line. The lost fluid was outside the berms and ran out onto the location and out into the pasture next to the battery and absorbed by the near surface soils.

The lands primary use is domestic farming and ranching and the production of oil and gas.

The ground water depth data available for this area showed the depth to ground water to be in the 35' range BGS.

Pursuant to the standards of the NMOCD, the clean up level for this site will be at <100ppm of TPH, <50ppm for BTEX and Chlorides less than <250ppm.

The following scope of work was based on data from our site visit and the requirements of the NMOCD for site clean up.

## **Scope of Work for Battery Cleanup of Impacted Soils**

**NOTE:** Phoenix, for the purpose of this work plan, will estimate that there is approximately 1,200cyds of impacted soil at the site that needs to be addressed for site cleanup. Phoenix was asked by Range Operating to take care of the site supervision for Grando's who has the equipment for site clean up.

1. First Grando's will call One-Call for line spot clearance before any excavation at the site is started.
2. Phoenix will mobilize to the site located east of Loving, NM Grando's equipment and personnel necessary to start and complete the site remediation as required, getting the site back into compliance.



3. A staging area for trucks and impacted material will be set up for site control and safety.
4. Phoenix will excavate the saturated impacted and place them on plastic in the staging area for the trucks to transport off site for disposal.
5. Once the saturated impacted material has been removed from the spill area. The area will be tested for TPH, BTEX and CL to document clean up levels. These samples will be sent to a third party lab for analysis.
6. Impacted soils at the site will be transported and disposed of at a NMOCD approved facility that can take waste from the oil and gas industry.
7. Once all of the remediation criteria have been met for site closure and compliance, the site will be backfilled with clean material.
8. Once all of the closure criteria have been met, a final closure report will be prepared by Phoenix. This report will include a summary of remediation operations, findings on-site and lab analysis, site maps and project photos.

If you have any questions and/or need more data in regards to this project please call 505-631-8314 at any time.

Sincerely,



Allen Hodge REM  
VP Operations  
Phoenix Environmental LLC

