

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

JUN 17 2009

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 ☐ X Final Report

Name of Company: Range Operating New Mexico, Inc.	Contact: Steve Almager
Address: PO Box 1570, Eunice, NM 88231	Telephone No.: 575-631-0926
Facility Name: South Culebra Bluff No. 4	Facility Type: Oil & Gas

Surface Owner: Range Resources, Inc.	Mineral Owner	API No. 30-015-22931
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**LOCATION OF RELEASE**

NMOCD RPI No.: 2RP-299

Unit Letter A	Section 23	Township 23S	Range 28E	Feet from the 660'	North/South Line FNL	Feet from the 560'	East/West Line FEL	County Eddy

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

**NATURE OF RELEASE**

Type of Release: Produced water with some hydrocarbon.	Volume Released: Appx. 30 bbls	Volume Recovered: 20 bbls
Source of Release: Source of discharge occurred at the 2" transition releasing it out across the pad and spraying onto surrounding off pad areas.	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 3/11/09 @ 0630 Hours
Was Immediate Notice Given? X Yes <input type="checkbox"/> No Not Required	If YES, To Whom: Mike Bratcher (NMOCD)	
By Whom? Cheryl Winkler (Oscar with Kanek discovered spill.)	Date and Hour: 11 March 2009 Approx. 0830 Hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		

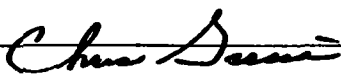
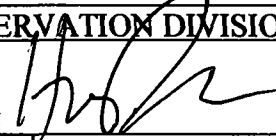
**Describe Cause of Problem and Remedial Action Taken.\***

The spill was caused by a fatigued check valve on the wellhead, which was ruptured at the base allowing fluid to discharge onto the pad. All fluid was contained on the pad. Vacuum trucks were deployed to suck up standing fluids and control saturation into the pad. The contaminated soil was removed and hauled directly to disposal. NMOCD was notified of the spill.

**Describe Area Affected and Cleanup Action Taken.\***

The contaminated area was excavated and infield sampled to ascertain delineation depths which became a concern because this was a pad which had experienced other spills prior to this event. After conversation with NMOCD, the target cleanup area was that of the recent spill since it was possible to determine the depth of the recent spill which averaged approximately 6" to a foot. Samples were pulled and sent to Trace Analysis Laboratory for legal analyticals for NMOCD. All contaminated material was hauled to disposal, totaling approximately 66 yards per Steve Almager. A 20ml liner was placed over the area most likely to be hit should future spills occur and/or to reduce the potential for saturation due to the depth to groundwater in the area. See FRR for more details.

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.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Chris Garcia	Approved by District Supervisor: 	
Title: Production Supervisor Eunice/Loving, NM	Approval Date: 8/24/10	Expiration Date: N/A
E-mail Address: cgarcia@rangeresources.com	Conditions of Approval: N/A	Attached <input type="checkbox"/>
Date: 14 May 2009 Phone: 575-394-1485		

\* Attach Additional Sheets If Necessary

2RP-299

JUN 17 2009

Mr. Chris Garcia  
Range Operating New Mexico, Inc.  
PO Box 1570  
Eunice, New Mexico 88231

14 May 2009

Mr. Mike Bratcher  
New Mexico Oil Conservation Division  
1301 W. Grand Ave.  
Artesia, NM 88210

Re: South Culebra Bluff No. 4 Spill *Final Remediation Report*  
(API No. 30-015-22931) U/L A S23 T23S R28E, 660' FNL and 560' FEL  
NMOCD Spill Report No.: 2RP-299

Dear Mr. Bratcher:

Pursuant to your letter of 27 March 2009, Range Operating New Mexico, Inc. (Range) herewith notifies the New Mexico Oil Conservation Division (NMOCD) that the final remediation work on the 11 March 2009 hydrocarbon and produced water spill has been completed as a risked closure due to the fact that this facility is operational and therefore an active pad.

All remediation was targeted for the current spill conditions and to control the company's liability to the degree possible in this area since depth to groundwater ranges from 25' to 50'. As was discussed with NMOCD, historical spills are certainly a concern in the area and therefore, at NMOCD's request a 20ml liner was placed approximately a foot below ground, although not uniformly so due to severe rocky soils naturally occurring in the area.

Range excavated and hauled to disposal the north end of the spill, which was showing 13,700 mg/K of soil contamination. It has not been clarified as to whether or not this contaminate level was associated with the spill or from a foreign source, possibly arising from material brought in by the dirt contractor for remediation purposes.

Range has already verified some of the background in this area to be approximately 971 mg/K based on the 25 March 2009 samples. Consequently, the naturally high sodium chloride background ameliorates some of the area. Range then removed material from the current spill area on a risked closure basis, to ensure meeting the NMOCD regulatory mandates in shallow water tables. Historical spill areas on the pad were not addressed. Focus was placed only on the active spill area for the purposes of this cleanup.

Following infield review with NMOCD, more caliche was placed on top of the existing material to ensure that the 20 ml cap would not work its way out of the ground. NMOCD also gave the orders

to remove the contaminated stockpile in the area that had not been hauled to disposal. This material was removed to disposal.

Please phone should you have questions (575-394-1485).

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Garcia", with a stylized flourish at the end.

 Chris Garcia  
Production Supervisor, New Mexico

Enclosure: Final C-141, Analytical Results