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

Form C-141
Revised October 10, 2003

MAR 26 2009

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

nMLB 0908633329
30-015-22931 227583

Release Notification and Corrective Action

OPERATOR

X Initial Report 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. 4B	Facility Type: Oil & Gas

Surface Owner: Range Resources, Inc.	Mineral Owner	API No. 30-015-22931

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	23	23S	28E	660'	FNL	560'	FEL	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 ☐ 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? ☐ Yes X No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.* N/A

GW per mop = ≤ 50' bgs

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. Samples were pulled and sent to Trace Analysis Laboratory for legal analyticals since NMOCD was requiring laboratory analyticals. All contaminated material was hauled to disposal, totaling approximately 66 yards. It may be necessary to further delineate this area due the history on the pad.

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: Chris Garcia	OIL CONSERVATION DIVISION Signed By Mike Bratcher	
Printed Name: Chris Garcia	Approved by District Supervisor:	
Title: Production Supervisor Eunice/Loving, NM	Approval Date: MAR 26 2009	Expiration Date:
E-mail Address: cgarcia@rangeresources.com	Conditions of Approval: See Attached	Attached ☒
Date: 24 March 2009 Phone: 575-394-1485		

* Attach Additional Sheets If Necessary

2RP-299

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

Range Operating New Mexico, Inc
PO Box 1570
Eunice NM 88231
ATTN: Chris Garcia

March 27, 2009

Reference: South Calebra Bluff Unit 004 30-015-22931 A-23-23s-28e Eddy County New Mexico

Dear Mr. Garcia,

The New Mexico Oil Conservation Division District 2 Office (OCD) is in receipt of an Initial Report C-141 reporting a release that occurred at the above referenced site on 3/11/09. The submittal included a description of work performed as immediate response and analytical data that has been obtained from the release area.

OCD will require the contaminated area to be delineated for any and all constituents of concern. A remediation work plan proposal (plan) is to be submitted to OCD based on delineation results and site ranking per OCD Rules and Guidelines. The plan is to be submitted to the OCD District 2 Office not later than April 27, 2009.

If I can be of assistance in this matter, please feel free to contact me.

Sincerely,

Mike Bratcher

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

Mr. Chris Garcia
Area Production Supervisor, Eunice & Loving, NM
Range Resources Corporation
PO Box 1570
Eunice, NM 88231

24 March 2009

Mr. Mike Bratcher
OIL CONSERVATION DIVISION
1301 W. Grand
Artesia, NM 88210

Re: South Culebra Bluff No. 4B Spill *Corrective Action Plan*
(API No.: 30-015-22931) U/L A S23 T23S R28E, 660' FNL and 560' FEL
NMOCD Spill Report No.: 3RP-299

Dear Mr. Bratcher:

Range Operating Resources, Inc. (Range) herewith submits the following documents regarding the produced water spill remediation at the South Culebra Bluff No. 4B (SCB No. 4B), which occurred at approximately 0630 Hours on 11 March 2009 whose facility is located at the above cited area for purposes of satisfying the New Mexico Oil Conservation Division's (NMOCD) requirements for cleanup of said spill: (1) Initial C-141 and the (2) *Corrective Action Plan* (CAP).

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. NMOCD was notified of the spill.

The contaminated area was excavated and infield sampled to ascertain delineation depths, which became a concern because this was a pad that had experienced other spills prior to this event. Vacuum trucks had sucked up 20 bbls. of discharged liquid with a reportable spill volume of 30 barrels. All contaminated material was directly hauled to disposal, totaling approximately 66 yards. It may be necessary to further delineate this area due the history on the pad predicated upon NMOCD's disposition with the analytical results.

Samples were taken on 11 March 2009 and sent to Trace Analysis for analytical verification of the infield condition. The analytical data was presented to NMOCD for permission to close remediation operations and begin backfilling, returning them to their state of use (pad). Since the discharge

remained for the most part on the active pad, restoration was with caliche material. However, NMOCD expressed concerns that delineation may have to be conducted.

Should you have questions please call the office (575-394-1485).

Sincerely,

Chris Garcia
Production Supervisor for Eunice/ Loving New Mexico

Enclosures: Initial C-141, Analytical Sampling Results

COPY

Summary Report

Cheryl Winkler
Range Operating-Eunice

P. O. Box 1570
Eunice, NM 88231

Report Date: March 25, 2009

Work Order: 9031605

Project Name: SCB 4B Spill
Project Number: SCB 4B

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
190272	SCB 4B Spill N	soil	2009-03-11	15:00	2009-03-14
190273	SCB 4B Spill S	soil	2009-03-11	15:20	2009-03-14
190274	SCB 4B Spill E	soil	2009-03-11	15:35	2009-03-14
190275	SCB 4B Spill W	soil	2009-03-11	15:55	2009-03-14
190276	SCB 4B Spill Bkgn.	soil	2009-03-11	16:10	2009-03-14

	BTEX				MTBE	TPH DRO	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	MTBE (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
190272 - SCB 4B Spill N	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<1.00
190273 - SCB 4B Spill S	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<1.00
190274 - SCB 4B Spill E	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<1.00
190275 - SCB 4B Spill W	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<1.00
190276 - SCB 4B Spill Bkgn.	<0.0200	<0.0200	<0.0200	<0.0200		<50.0	<1.00

Sample: 190272 - SCB 4B Spill N

Param	Flag	Result	Units	RL
Chloride		**6150**	mg/Kg	3.25

Sample: 190273 - SCB 4B Spill S

Param	Flag	Result	Units	RL
Chloride		**2780**	mg/Kg	3.25

Sample: 190274 - SCB 4B Spill E

Param	Flag	Result	Units	RL
Chloride		**2250**	mg/Kg	3.25

Sample: 190275 - SCB 4B Spill W

Param	Flag	Result	Units	RL
Chloride		**2760**	mg/Kg	3.25

Sample: 190276 - SCB 4B Spill Bkgn.

Param	Flag	Result	Units	RL
Chloride		**971**	mg/Kg	3.25