

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, 2000

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

**Release Notification and Corrective Action**

30-015-26528

nMLB0616535537

227583

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company: Range Operating New Mexico, Inc.	Contact: Linda C. Stiles
Address: 777 Main Street Suite 800 Ft. Worth Tx 76102	Telephone No: (817) 810-1908.
Facility Name: Reid 001 BATTERY	Facility Type: Tank Battery

Surface Owner: Johnny L Reid & Jackie L Reid	Mineral Owner: See Attached	Lease No: 300267
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	14	23S	28E	880	South	1980	East	Eddy

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

**NATURE OF RELEASE**

Type of Release: Produced H2O	Volume of Release 58bbls	Volume Recovered 58 bbls
Source of Release: 1" Ball Valve	Date and Hour of Occurrence 2-16-06 9:45 AM MST	Date and Hour of Discovery 2-16-06 9:45 AM MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Linda Nelson NMOCD - Artesia	
By Whom? Rudy Garcia	Date and Hour: 2-16-06 9:45 AM MST	
Was a Watercourse Reached? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\*  
NA

RECEIVED

FEB 16 2006

CUU-ARTESIA

Describe Cause of Problem and Remedial Action Taken.\*  
1" Ball Valve Was Open At Circulating Pump.

Describe Area Affected and Cleanup Action Taken.\*  
Contained Inside Firewall  
Vacuum Truck picked up 58bbls..

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.

**OIL CONSERVATION DIVISION**

Signature:

Printed Name: Linda C. Stiles

Title: Sr. Engineering Tech

E-mail Address: lstyles@rangeresources.com

Date: 2-16-2006

Phone: (817) 810-1908

Approved by District Supervisor **TIM GUM** by MB *[Signature]*

Approval Date: 6/13/12

Expiration Date:

Conditions of Approval:

Attached ☒

\* Attach Additional Sheets If Necessary



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

Range Operating New Mexico, Inc.  
777 Main Street Suite 800  
Ft. Worth, TX 76102

June 13, 2006

Reference: Reid 001 Tank Battery O-14-23s-28e API: 30-015-26528

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 that occurred on 2/16/2006 at the above referenced well site. A remediation work plan proposal has been formulated and submitted to the OCD by your agent, White Buffalo Environmental Services, Inc.

The work plan proposal submitted is approved with the following general stipulations:

- Notify the OCD 24 hours prior to commencement of activities.
- Notify the OCD 24 hours prior to obtaining samples where analyses of samples obtained are to be submitted to the OCD.
- The OCD may make amendments to work plan stipulations at any time as conditions warrant.
- Submit a Final Report C-141 upon satisfactory completion of remediation project.
- Site is to be ready for confirmation sampling for closure no later than August 14, 2006. If for any reason this deadline cannot be met, please contact this office.

For future reference when submitting a Form C-141, please submit a copy signed by an authorized representative of your company. The C-141 submitted for this release indicates a release volume of 58 bbls and a recovery volume of 58 bbls. Realizing that these volumes are usually estimates, it would generally be unlikely to recover 100 percent of fluids released.

Please be advised that NMOCD approval of this work plan proposal 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 approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If I can be of assistance in this matter please contact me.

Sincerely,

Mike Bratcher  
NMOCD District 2  
1301 W. Grand Ave.  
Artesia, NM 88210  
(505) 748-1283 Ext. 108  
(505) 626-0857  
[Mike.Bratcher@state.nm.us](mailto:Mike.Bratcher@state.nm.us)

February 24, 2006

NMOCD District 2 Office  
Oil Conservation Division  
Chris Beadle  
1301 West Grand  
Artesia, New Mexico 88210

RE: Range Operating New Mexico, Inc. Inspection, Reid Battery

### **Chronology**

On February 16, 2006 a spill was discovered at the Range Operating New Mexico, Inc. (Range) site Reid Battery. The spill had occurred when a 1" ball valve was open at the circulating pump. The failure resulted in the loss of approximately 58 barrels of oil and produced water. Approximately 58 barrels of fluids were recovered from inside the firewall. The spill appears to have been completely contained inside the firewall. The site was assessed for a formal work plan and specific site information obtained. WBESI uses the attached information and metrics sheet for summarizing the remediation requirements for this site.

The following is an initial "Remediation Work Plan" for this site:

### **Reid Battery**

#### **General site characteristics**

**Depth to Ground Water: 44'**

**Wellhead Protection Area: 250' to closest well**

**Distance to Nearest Surface Water Body: 1000 yards**

**Site ranking score: 40**

#### **Soil remediation action levels**

**Highly Contaminated / Saturated Soils**

**Benzene 10 ppm, 50 BTEX ppm, TPH 100 ppm**

#### **Soil remediation methods**

**Excavation and disposal (or alternative approved onsite remediation)**

#### **Planned analytical testing**

**BTEX, TPH, Chlorides on soil**

### **Work Plan**

- Continue excavation until limits are obtained in a vertical and horizontal direction.
- Sample site for above parameters.
- Determine quantity of spoils removed from the excavated area.

- Determine most cost effective means of disposal or onsite bioremediation in accordance with NMOCD "Guidelines for Remediation of Leaks, Spills, and Releases".
- Contact NMOCD to set up sampling and post remediation inspection.
- Review analytical results.
- Backfill excavation if limits have been achieved or continue excavation.
- Sampling will be per NMOCD guidance including all walls and floor of the excavation.
- A final report will be issued on behalf of Range to the NMOCD documenting all final activities.
- A final letter of concurrence and closure will be issued by NMOCD if all guidelines have been achieved.

For further questions or comments please contact White Buffalo Environmental Services, Inc. at (325) 651-9054.



Greg Swindle,  
President  
WBESI

Enclosures:

Information and Metrics sheet  
USGS Map  
Aerial Photo  
Site Photographs

**RANGE OPERATING NEW MEXICO, INC**  
**Information and Metrics**

<b>Incident Date:</b> February 16, 2006		<b>NMOCD Notified:</b> February 16, 2006	
<b>Site:</b> Reid Battery		<b>Assigned Site Reference #:</b>	
<b>Company:</b> Range Operating New Mexico, Inc.			
<b>Street Address:</b> 777 Main Street Suite 800			
<b>Mailing Address:</b> 777 Main Street Suite 800			
<b>City, State, Zip:</b> Ft. Worth, TX 76102			
<b>Representative:</b> George Teer			
<b>Representative Telephone:</b> (817) 870-2601			
<b>Fluid volume released (bbls):</b> 58		<b>Recovered (bbls):</b> 58	
25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)			
5 - 25 bbls: Submit form C-141 within 15 days			
<b>Leak, Spill, or Pit (LSP) Name:</b> Reid Battery			
<b>Source of contamination:</b> Spill inside containment area (firewall)			
<b>Land Owner, i.e., BLM, ST, Fee, Other:</b> Johnny & Jackie L Reid			
<b>LSP Dimensions:</b> 107' X 64'			
<b>LSP Area:</b> Bases of north and south tanks			
<b>Location of Reference Point (RP):</b> NA			
<b>Location distance and direction from RP:</b> NA			
<b>Latitude:</b> N 32° 18.021'			
<b>Longitude:</b> W 104° 2.839'			
<b>Elevation above mean sea level:</b> 2991' per USGS Map			
<b>Location- Unit or ¼ ¼:</b> NW/4 NW/4 of Sec. 24		<b>Unit Letter:</b> O	
<b>Location Section:</b> 14			
<b>Location- Township:</b> 23S			
<b>Location Range:</b> 28E			
<b>Surface water body within 1000' radius of site:</b> No 3000 feet per USGS Map			
<b>Domestic water wells within 1000' radius of site:</b> Yes			
<b>Agricultural water wells within 1000' radius of site:</b> Yes			
<b>Depth from land surface to ground water (DG):</b> 42' estimated based upon relationship to Pecos River			
<b>Depth of contamination (DC):</b> 8'			
<b>Depth to ground water (DG - DC = DtGW):</b> 44'			
<b>1. Ground water</b>	<b>2. Wellhead Protection Area</b>	<b>3. Distance to Surface Water Body</b>	
If Depth to GW <50 feet: 20 points	If <1000' from water source, or <200' from private domestic water source: 20 points	<200 horizontal feet: 20 points	
If Depth to GW 50 to 99 feet: 10 points		200-100 horizontal feet: 10 points	
If Depth to GW >100 feet: 0 points	If >1000' from water source, or >200' from private domestic water source: 0 points	>1000 horizontal feet: 0 points	
Ground Water Score = 20	Wellhead Protection Area Score = 20	Surface Water Score = 0	
Site Rank (1+2+3) = 40			
<b>Total Site Ranking Score and Acceptable Concentrations</b>			
<b>Parameter</b>	<b>&gt;19</b>	<b>10-19</b>	<b>0-9</b>
Benzene	10 ppm	10 ppm	10 ppm
BTEX	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm