

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

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144
June 1, 2004

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Range Operating New Mexico, Inc Telephone: (505) 631-0926 e-mail address: salmager@rangeresources.com
Address: P.O. Box 2510 Hobbs, NM 88241
Facility or well name: Elliott "B" Federal Well #13 #: 30-025-37785 U/L or Qtr/Qtr SE/SE Sec 6 T 22S R 37E
County: Lea Latitude N 32° 24.5828' Longitude W 103° 11.3938' NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐
Liner type: Synthetic ☒ Thickness 20 mil Clay ☐
Pit Volume bbl

Below-grade tank

Volume: bbl Type of fluid:
Construction material:
Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points) 95 feet
	100 feet or more	(0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	No	(0 points) X
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more	(0 points) X
Ranking Score (Total Points)		10

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility Sundance. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface ft. and attach sample results.

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All fluids were removed from the pit. The burial pit was constructed adjacent to the drilling pit. The burial pit was lined with a 12 ml liner. Impacted material was placed in the burial pit, completely encapsulated and capped with a 20 ml liner, and covered with 3 feet of topsoil to grade.

Hydrocarbon impacted soil was disposed at an NMOCD approved facility.

A boring log is attached which shows the depth to groundwater to be at least greater than 95 feet below ground surface.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10/26/06

Printed Name/Title: Steve Almager, Production Supervisor

Signature Chris Sarmiento

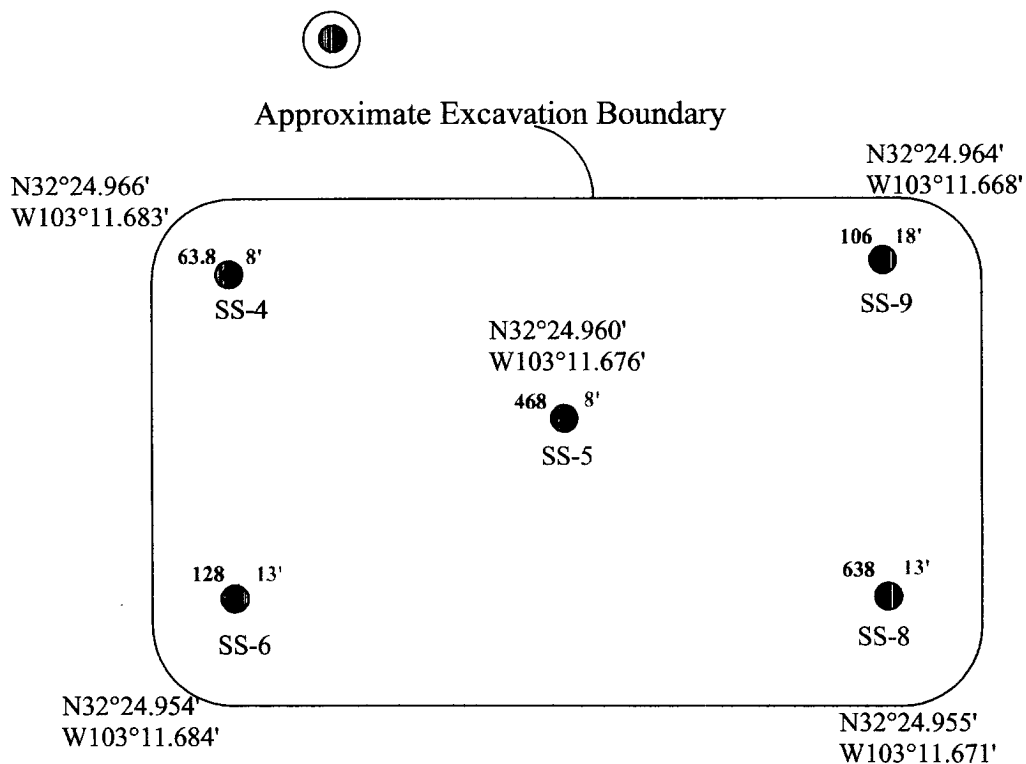
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title: L Johnson, ENVIRO ENGR

Signature [Signature]

Date: 10.26.06



LEGEND	
63.8' 8'	Soil sample location taken at a depth, feet, with chloride concentration (mg/kg).
SS-4	
Wellhead location	
N32°23.966' W103°11.683'	GPS Coordinates



DATE: 10-12-06
NAME: CHH
PROJECT NO.: 6-0133

FIGURE # 1	
LEA COUNTY, NEW MEXICO	
	Range Resources
Elliott B Federal #13 U.L.I, Sec.6, T22S, R37E	
Site Drawing (Not to Scale)	
Ocotillo ENVIRONMENTAL	

Client: Range Operating

Project: Elliott "B" Tank Battery



Project No.: 6-0130

Location: Eunice, New Mexico, U.L. I, Sec.6, T22S, R37E

Log: BH-1

Page: 1 of 2

Geologist: Cindy Crain

SUBSURFACE PROFILE			SAMPLE			PID ppm	Analytical Data
Depth	Symbol	Description	Number	Type	Recovery		
0		Ground Surface				2 10 18	
		Silty Sand Reddish-brown quartz sand, fine grained, loose, well sorted, dry	1				0-1' bgs Chloride: 1.62 mg/kg
			2				5-6' bgs Chloride: 1.19 mg/kg
10			3				10-11' bgs Chloride: 69.4 mg/kg
		Caliche Pinkish white, non-indurated, dry	4				15-16' bgs Chloride: 16.0 mg/kg
20			5				20-21' bgs Chloride: 5.78 mg/kg
			6				25-26' bgs Chloride: 85.2 mg/kg
30			7				30-31' bgs Chloride: 119.0 mg/kg
			8				35-36' bgs Chloride: 92.0 mg/kg
40			9				40-41' bgs Chloride: 95.1 mg/kg
			10				45-46' bgs Chloride: 106.0 mg/kg
50							

Drill Method: Air Rotary

Drill Date: 08/08/06

Hole Size:

Ocotillo

ENVIRONMENTAL

2125 French Drive
Hobbs, New Mexico 88240
(505) 393-6371

Elevation: N/A

Checked by: CKC

Drilled by:
Scarborough Drilling

Client: Range Operating

Project: Elliott "B" Tank Battery



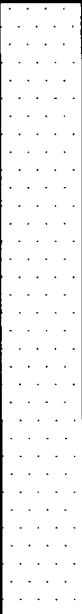
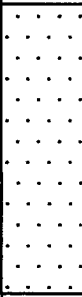
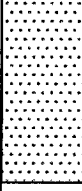
Project No.: 6-0130

Location: Eunice, New Mexico, U.L. I, Sec.6, T22S, R37E

Log: BH-1

Page: 2 of 2

Geologist: Cindy Crain

SUBSURFACE PROFILE			SAMPLE			PID ppm 2 10 18	Analytical Data
Depth	Symbol	Description	Number	Type	Recovery		
50							50-51' bgs Chloride: 178 mg/kg
		Silty Sand Brown, very poorly sorted, dry, fine grained					
60							
70							
		Gravelly Silty Sand brown, fine grained, dry Damp at 79'					
80							
		Silty Sand Light brown, fine grained, moderately well sorted, dry					
90							
		TD: 95'					
100							

Drill Method: Air Rotary

Drill Date: 08/08/06

Hole Size:

Ocotillo

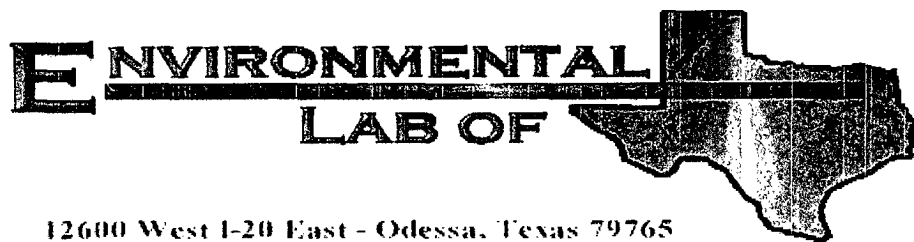
ENVIRONMENTAL

2125 French Drive
Hobbs, New Mexico 88240
(505) 393-6371

Elevation: N/A

Checked by: CKC

Drilled by:
Scarborough Drilling



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Range-Elliott B #13

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 6J06027

Report Date: 10/11/06

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Range-Elliott B #13
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-4	6J06027-01	Soil	10/05/06 05:05	10-06-2006 17:10
SS-5	6J06027-02	Soil	10/05/06 05:10	10-06-2006 17:10
SS-6	6J06027-03	Soil	10/06/06 06:15	10-06-2006 17:10
SS-8	6J06027-04	Soil	10/06/06 13:45	10-06-2006 17:10
SS-9	6J06027-05	Soil	10/06/06 14:19	10-06-2006 17:10

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Range-Elliott B #13
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-4 (6J06027-01) Soil									
Chloride	63.8	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
SS-5 (6J06027-02) Soil									
Chloride	468	20.0	mg/kg Wet	2	EJ60905	10/09/06	10/09/06	SW 846 9253	
SS-6 (6J06027-03) Soil									
Chloride	128	20.0	mg/kg Wet	2	EJ60905	10/09/06	10/09/06	SW 846 9253	
SS-8 (6J06027-04) Soil									
Chloride	638	20.0	mg/kg Wet	2	EJ60905	10/09/06	10/09/06	SW 846 9253	
SS-9 (6J06027-05) Soil									
Chloride	106	20.0	mg/kg Wet	2	EJ60905	10/09/06	10/09/06	SW 846 9253	

Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Range-Elliott B #13
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ60904 - Water Extraction

Blank (EJ60904-BLK1)

Prepared & Analyzed: 10/09/06

Chloride	ND	20.0	mg/kg Wet
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LCS (EJ60904-BS1)

Prepared & Analyzed: 10/09/06

Chloride	91.5	5.00	mg/kg Wet	100	91.5	80-120
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Matrix Spike (EJ60904-MS1)

Source: 6J06021-03

Prepared & Analyzed: 10/09/06

Chloride	2210	20.0	mg/kg Wet	500	1700	102	80-120
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Matrix Spike Dup (EJ60904-MSD1)

Source: 6J06021-03

Prepared & Analyzed: 10/09/06

Chloride	2190	20.0	mg/kg Wet	500	1700	98.0	80-120	0.909	20
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Reference (EJ60904-SRM1)

Prepared & Analyzed: 10/09/06

Chloride	51.0		mg/kg	50.0	102	80-120
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Batch EJ60905 - Water Extraction

Blank (EJ60905-BLK1)

Prepared & Analyzed: 10/09/06

Chloride	ND	20.0	mg/kg Wet
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LCS (EJ60905-BS1)

Prepared & Analyzed: 10/09/06

Chloride	92.5	5.00	mg/kg Wet	100	92.5	80-120
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Matrix Spike (EJ60905-MS1)

Source: 6J06027-02

Prepared & Analyzed: 10/09/06

Chloride	989	20.0	mg/kg Wet	500	468	104	80-120
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Matrix Spike Dup (EJ60905-MSD1)

Source: 6J06027-02

Prepared & Analyzed: 10/09/06

Chloride	978	20.0	mg/kg Wet	500	468	102	80-120	1.12	20
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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

Project: Range-Elliott B #13
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EJ60905 - Water Extraction

Reference (EJ60905-SRM1)

Prepared & Analyzed: 10/09/06

Chloride	51.0		mg/kg	50.0		102	80-120			
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Ocotillo Environmental
2125 French Dr.
Hobbs NM, 88201

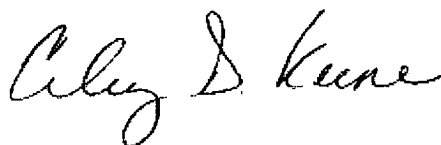
Project: Range-Elliott B #13
Project Number: None Given
Project Manager: Cindy Crain

Fax: (432) 367-6747

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date: 10/11/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
La Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-1800
Fax: 432-563-1713

Project Loc: Onice, NM

[illegible]

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Octotillo Environmental
Date/ Time: 10-06-06 @ 1710
Lab ID #: 6306027
Initials: JMM

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	22.0 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	<u>Yes</u>	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	<u>ID written on Cont./ ID</u>
#9	Container label(s) legible and intact?	<u>Yes</u>	No	<u>Not Applicable</u>
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	VOC samples have zero headspace?	<u>Yes</u>	No	<u>Not Applicable</u>

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event