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-144
June 1, 2004

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

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: Grizzell A #3 API#: 30-025-38106 U/L or Qtr/Qtr SE/NE Sec 6 T 22S R 37E
County: Lea Latitude N 32° 25.327' Longitude W 103° 11.765' NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

APR 2007
Received
Hobbs
OCD

Pit	**Below-grade tank**		
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 20 mil Clay ☐ Pit Volume _____ bbl	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 **50 feet or more, but less than 100 feet** 100 feet or more	(20 points) (10 points) (0 points)	**95 feet**
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes **No**	(20 points) (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 200 feet or more, but less than 1000 feet **1000 feet or more**	(20 points) (10 points) (0 points)	 X
	Ranking Score (Total Points)		**10**

WTR TO

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 your 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.

Samples were collected below the liner and laboratory results are attached to this C144 form.

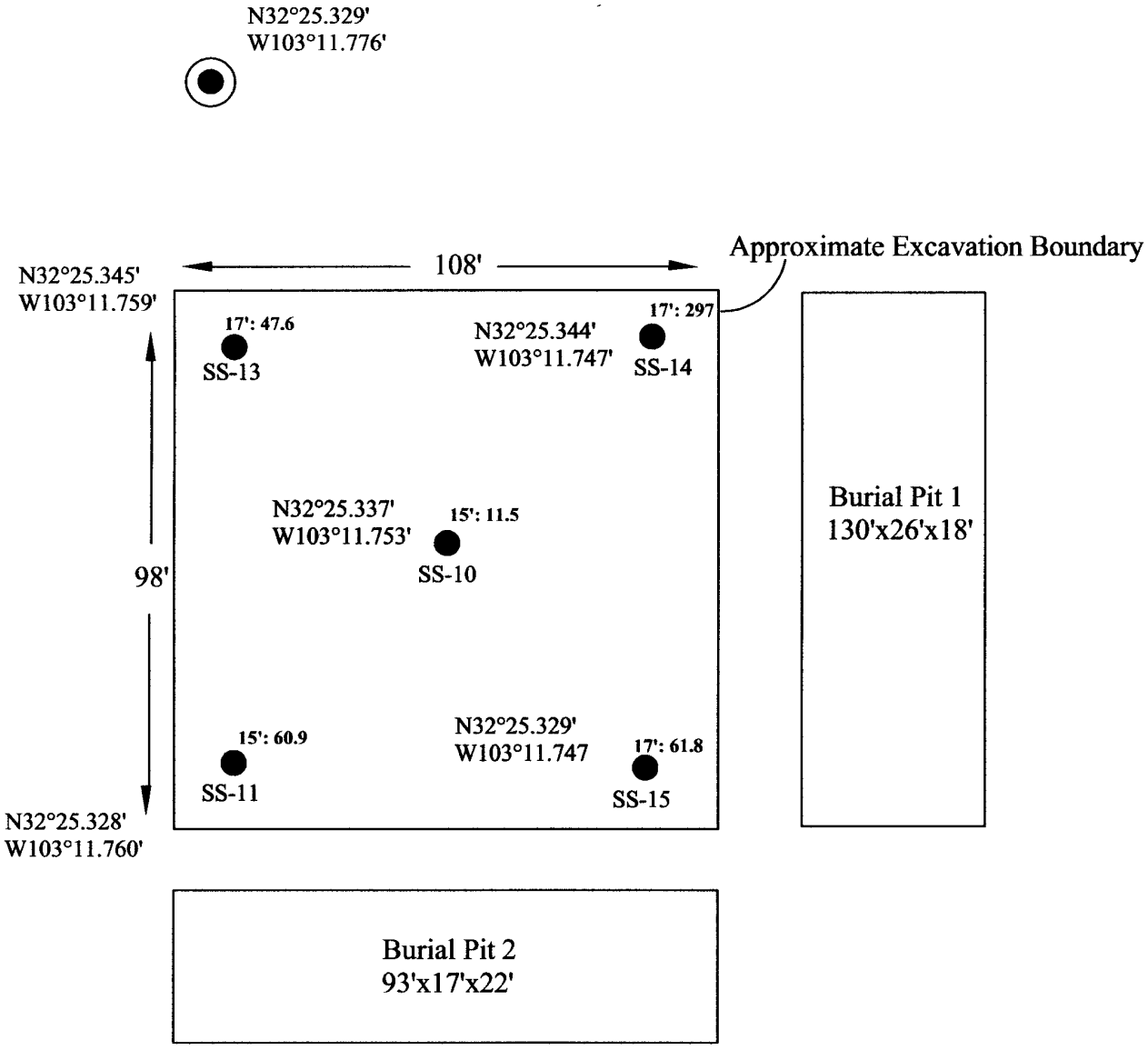
I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved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

Date: March 18, 2007
Printed Name/Title: Steve Almager, Production Supervisor Signature

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.

OCD Close

Approval:
Printed Name/Title L JOHNSON - ENVIRO ENGR Signature Date: 4.6.07



LEGEND

3.60
SS-1 — Soil sample location taken at a depth of 8 feet, with chloride concentration (mg/kg).

Wellhead location

N32°25.215'
W103°11.700' — GPS Coordinates

N
W E
S

DATE:	03-15-07
NAME:	CHH
PROJECT NO.:	6-0140

FIGURE # 1

LEA COUNTY, NEW MEXICO

Range Resources

Grizzel A #3
U.L.H, Sec.6, T22S, R37E

Site Drawing
(Not to Scale)

Ocotillo

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Range-Grizzell A #3

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 7C02001

Report Date: 03/05/07

Ocotillo Environmental	Project: Range-Grizzell A #3	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-10	7C02001-01	Soil	02/24/07 00:00	03-02-2007 07:50
SS-11	7C02001-02	Soil	02/24/07 00:00	03-02-2007 07:50
SS-13	7C02001-03	Soil	03/01/07 00:00	03-02-2007 07:50
SS-14	7C02001-04	Soil	03/01/07 00:00	03-02-2007 07:50
SS-15	7C02001-05	Soil	03/01/07 00:00	03-02-2007 07:50

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range-Grizzell A #3	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-10 (7C02001-01) Soil									
Chloride	**11.5**	5.00	mg/kg	10	EC70501	03/02/07	03/03/07	EPA 300.0	
SS-11 (7C02001-02) Soil									
Chloride	**60.9**	5.00	mg/kg	10	EC70501	03/02/07	03/03/07	EPA 300.0	
SS-13 (7C02001-03) Soil									
Chloride	**47.6**	5.00	mg/kg	10	EC70501	03/02/07	03/03/07	EPA 300.0	
SS-14 (7C02001-04) Soil									
Chloride	**297**	10.0	mg/kg	20	EC70501	03/02/07	03/03/07	EPA 300.0	
SS-15 (7C02001-05) Soil									
Chloride	**61.8**	5.00	mg/kg	10	EC70501	03/02/07	03/03/07	EPA 300.0	

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range-Grizzell A #3	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

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
Batch EC70501 - General Preparation (WetChem)										
Blank (EC70501-BLK1)				Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	ND	0.500	mg/kg							
LCS (EC70501-BS1)				Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	10.8	0.500	mg/kg	10.0		108	80-120			
Calibration Check (EC70501-CCV1)				Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	9.59		mg/kg	10.0		95.9	80-120			
Duplicate (EC70501-DUP1)		Source: 7B28001-01		Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	304	10.0	mg/kg		304			0.00	20	
Duplicate (EC70501-DUP2)		Source: 7C01016-01		Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	154	10.0	mg/kg		157			1.93	20	
Matrix Spike (EC70501-MS1)		Source: 7B28001-01		Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	538	10.0	mg/kg	200	304	117	80-120			
Matrix Spike (EC70501-MS2)		Source: 7C01016-01		Prepared: 03/02/07 Analyzed: 03/03/07						
Chloride	661	10.0	mg/kg	200	157	252	80-120			M1

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Ocotillo Environmental	Project: Range-Grizzell A #3	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

Notes and Definitions

M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
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: Celey D. Keene Date: 03/05/07

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

Project Manager: Cindy Crain

Company Name: Ocotillo Environmental, LLC

Company Address: 2125 French Drive, P.O. Box 1816

City/State/Zip: Hobbs, NM 88241

Telephone No: (505) 441-7244

Fax No: (432) 367-6747

Sampler Signature: Cassie Hobbs

e-mail: cindy.crain@gmail.com

Project Name: Range - Grizzell A #3

Project #:

Project Loc: Eunice, NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 7C02001

278385

4°C 2 glass

Analyze For: TCLP: / TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	SS-10			2/24			1							√			S					√										√	
-02	SS-11			2/24			1							√			↓					√										√	
-03	SS-13			3/1			1							√			↓					√										√	
-04	SS-14			3/1			1							√			↓					√										√	
-05	SS-15			3/1			1							√			√					√										√	

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	3/1/07	19:09			
DROP BOX			Received by ELOT: Jeanne McMurry	03-02-07	0750

Laboratory Comments:

- Sample Containers Intact? (Y) N
- VOCs Free of Headspace? (Y) N
- Labels on container(s) (Y) N
- Custody seals on container(s) (Y) N
- Custody seals on cooler(s) Y N (NA)
- Sample Hand Delivered (Y) N
  - by Sampler/Client Rep. ? Y N
  - by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Dcotillo

Date/ Time: 3/2/07 11:50

Lab ID # : 7C02001

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

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