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: Adobe State #4 #: 30-025-37690 U/L or Qtr/Qtr L Sec 17 T 22S R 37E
County: Lea Latitude N 32° 23.458' Longitude W 103° 11.470' NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

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)	**66**
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**

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 [illegible] 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.

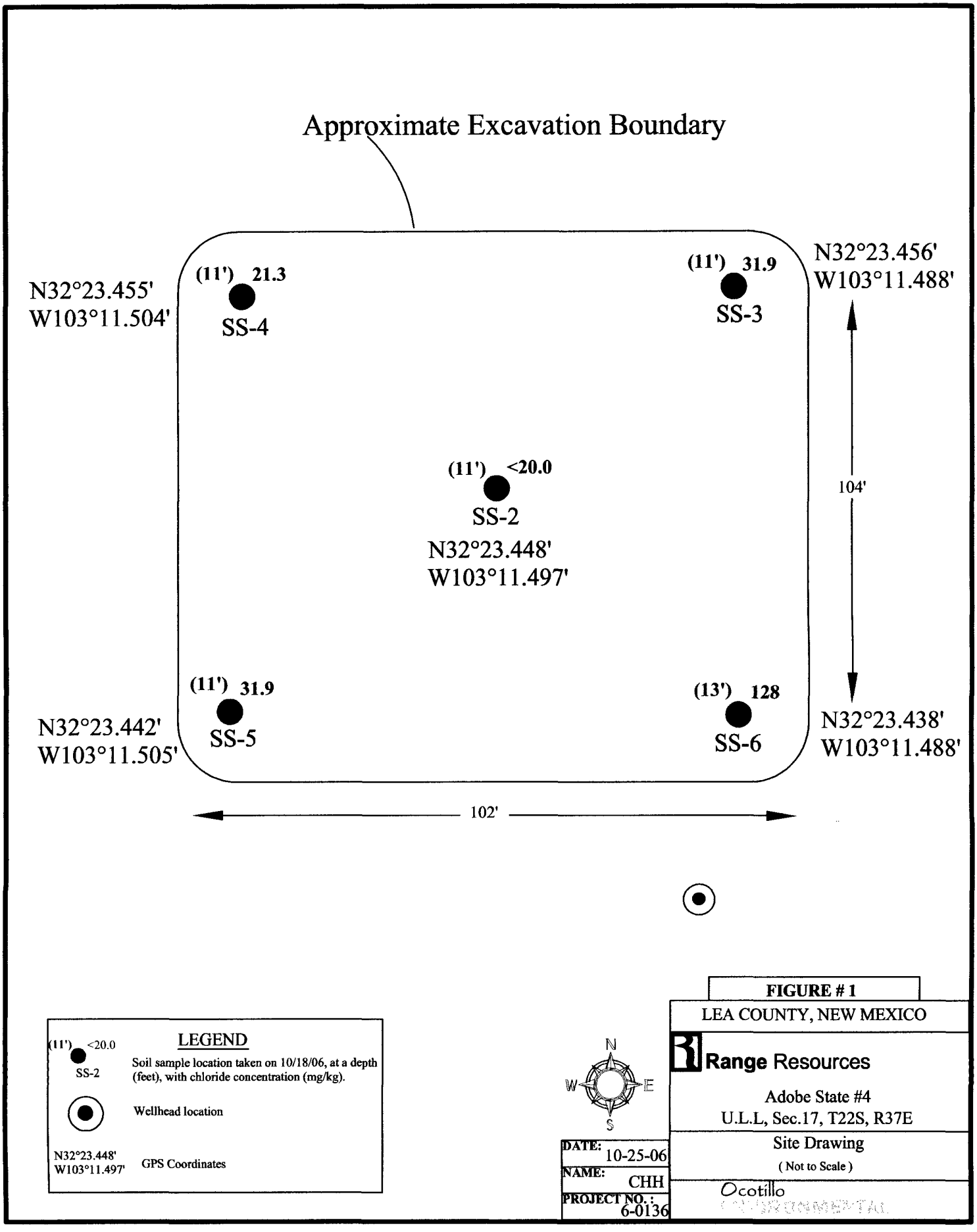
NOV 2006 Received Hobbs OCD

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: _____
Printed Name/Title: Steve Almager, Production Supervisor Signature Chris Sam 11/9/06

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 GARY W. WINK / STAFF MGR Signature Gary W. Wink Date: 11/9/06


Approximate Excavation Boundary
N32°23.455'
W103°11.504'
(11') 21.3
SS-4
(11') 31.9
SS-3
N32°23.456'
W103°11.488'
(11') <20.0
SS-2
N32°23.448'
W103°11.497'
104'
(11') 31.9
SS-5
N32°23.442'
W103°11.505'
(13') 128
SS-6
N32°23.438'
W103°11.488'
102'
LEGEND
(11') <20.0
SS-2
Soil sample location taken on 10/18/06, at a depth (feet), with chloride concentration (mg/kg).
Wellhead location
N32°23.448'
W103°11.497'
GPS Coordinates
N
W
E
S
DATE: 10-25-06
NAME: CHH
PROJECT NO.: 6-0136
FIGURE # 1
LEA COUNTY, NEW MEXICO
Range Resources
Adobe State #4
U.L.L, Sec.17, T22S, R37E
Site Drawing
(Not to Scale)
Ocotillo

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Ocotillo Environmental

2125 French Dr.

Hobbs, NM 88201

Project: Range- Adobe State #4

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 6J19027

Report Date: 10/25/06

Ocotillo Environmental	Project: Range- Adobe State #4	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-2	6J19027-01	Soil	10/19/06 09:03	10-19-2006 14:10
SS-3	6J19027-02	Soil	10/19/06 09:06	10-19-2006 14:10
SS-4	6J19027-03	Soil	10/19/06 09:10	10-19-2006 14:10
SS-5	6J19027-04	Soil	10/19/06 09:12	10-19-2006 14:10
SS-6	6J19027-05	Soil	10/19/06 09:45	10-19-2006 14:10

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

Ocotillo Environmental	Project: Range- Adobe State #4	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-2 (6J19027-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EJ62505	10/24/06	10/25/06	SW 846 9253	
SS-3 (6J19027-02) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EJ62505	10/24/06	10/25/06	SW 846 9253	
SS-4 (6J19027-03) Soil									
Chloride	**21.3**	20.0	mg/kg Wet	2	EJ62505	10/24/06	10/25/06	SW 846 9253	
SS-5 (6J19027-04) Soil									
Chloride	**31.9**	20.0	mg/kg Wet	2	EJ62505	10/24/06	10/25/06	SW 846 9253	
SS-6 (6J19027-05) Soil									
Chloride	**128**	20.0	mg/kg Wet	2	EJ62505	10/24/06	10/25/06	SW 846 9253	

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

Ocotillo Environmental	Project: Range- Adobe State #4	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 EJ62505 - Water Extraction										
Blank (EJ62505-BLK1)				Prepared: 10/24/06 Analyzed: 10/25/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EJ62505-BS1)				Prepared: 10/24/06 Analyzed: 10/25/06						
Chloride	92.5	5.00	mg/kg Wet	100		92.5	80-120			
Matrix Spike (EJ62505-MS1)		**Source: 6J19027-01**		Prepared: 10/24/06 Analyzed: 10/25/06						
Chloride	500	20.0	mg/kg Wet	500	0.00	100	80-120			
Matrix Spike Dup (EJ62505-MSD1)		**Source: 6J19027-01**		Prepared: 10/24/06 Analyzed: 10/25/06						
Chloride	510	20.0	mg/kg Wet	500	0.00	102	80-120	1.98	20	
Reference (EJ62505-SRM1)				Prepared: 10/24/06 Analyzed: 10/25/06						
Chloride	51.0		mg/kg	50.0		102	80-120			

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

Ocotillo Environmental	Project: Range- Adobe State #4	Fax: (432) 367-6747
2125 French Dr.	Project Number: None Given	
Hobbs NM, 88201	Project Manager: Cindy Crain	

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: Raland K Tuttle Date: 10/25/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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
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 - Adobe State #4
Project #:
Project Loc: Eunice, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 05190257

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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
	~~SS-1~~ Lunch per Cassie	10'	10'	10/19/00	~~9:00~~	1							✓			G				✓									✓
01	SS-2	10'	10'		9:03	1							✓							✓									✓
02	SS-3	10'	16'		9:06	1							✓							✓									✓
03	SS-4	10'	10'		9:10	1							✓							✓									✓
04	SS5	16'	16'		9:12	1							✓							✓									✓
05	SS-6	11'	11'		9:45	1							✓							✓									✓

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Cassie Hobbs	10/12/00	2:40			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Carie Kelly	10/19/00	2:10

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand-Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
4oz Glass
Temperature Upon Receipt: 18.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

lient: Ocotillo

ate/ Time: 10/19/06 2:10

ab ID #: 6J19027

itials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	18.0 °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	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