

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: Legacy Reserves Telephone: (432) 682-2516 e-mail address: Kwilliams@legacyp.com

Address: P.O. Box 10848, Midland, Texas 79701

Facility or well name: Langlie Mattix Penrose Sand Unit # 196 #: 30-025-38305 U/L or Qtr/Qtr J Sec 27 T 22S R 37E

County: Lea Latitude N 32 deg 21.722' Longitude W 103 deg 08.844' 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 ☐

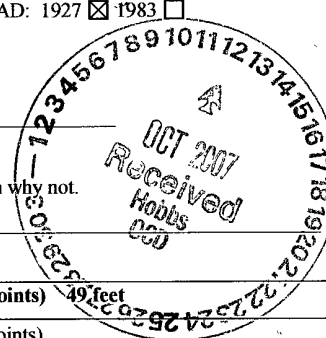
Pit Volume 3500 bbl

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)
	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)
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)
Ranking Score (Total Points)		20

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 pit liner and all impacted material was hauled to an NMOCD approved disposal facility.
Samples were collected below the liner and results are submitted with this final C144 form.
The excavation will be backfilled with clean soil, graded to surface and re-seeded.

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: October 11, 2007

Printed Name/Title: Cindy Crain/Geologist - As Agent for Legacy Reserves

Signature Cindy Crain

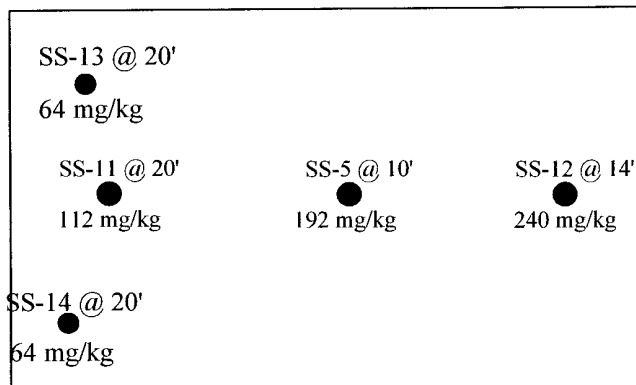
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval:


Printed Name/Title

Signature [Signature] ENVIRONMENTAL ENGINEER

Date: 10-26-07



N 32.21722°
W 103.08844°



Wellhead

Sample Location GPS Coordinates		
SS-11	N32.36257°	W103.14804°
SS-5	N32.36256°	W103.14796°
SS-12	N32.36255°	W103.14786°
SS-13	N32.36252°	W103.14807°
SS-14	N32.257°	W103.14805°

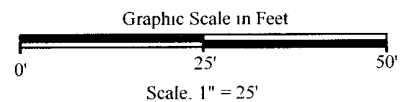


FIGURE # 1

LEA COUNTY, NEW MEXICO

Legacy Reserves
Langlie Mattix Penrose Sand Unit
196
U.L.J, Sec.27, T22S, R37E

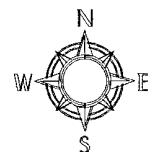
Site Drawing

Ocotillo
ENVIRONMENTAL

LEGEND

SS-5 @ 10'
192 mg/kg

Soil sample location with depth (feet bgs) and
chloride concentration (mg/kg)



DATE: 10-11-07
NAME: CKC
PROJECT NO.: 0907-036B



Analysis Date: 10/08/07
Sampling Date: 10/05/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: SB
Analyzed By: HM

~~5~~ REMOVED AS
PER CRAIN
LS

Note: Analyses performed on 1:4 w:v aqueous extracts.

Date 10-08-67

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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2478



PHONE (505) 303-2326 • 101 E. MARLAND • HOBBS, NM 88240

Receiving Date: 10/09/07
Reporting Date: 10/09/07
Project Number: 0907-036B
Project Name: LMPSU #196
Project Location: LEA COUNTY, NM

Analysis Date: 10/09/07
Sampling Date: 10/09/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: SB
Analyzed By: KS

LAB NO.	SAMPLE ID	Cf (mg/Kg)
H13469-1	WEST SIDE SS-11 @ 20'	112
H13489-2	EAST SIDE SS-12 @ 14'	240
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-CrB

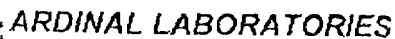
Note: Analyses performed on 1:4 w:v aqueous extracts.

Kristen Depinto
Chemist

10/09/07
Date

H13469 OCO

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
OCOTILLO ENVIRONMENTAL, LLC
ATTN: CINDY GRAIN
P.O. BOX 1816
HOBBS, NM 88241
FAX TO: (432) 272-0304

Receiving Date: 10/11/07
Reporting Date: 10/11/07
Project Number: 0907-036B
Project Name: LMPSU #196
Project Location: LEA COUNTY, NM

Analysis Date: 10/11/07
Sampling Date: 10/11/07
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: SB
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H13484-1	SS-14 SOUTHSIDE @ 20'	64
H13484-2	SS-13 NORTHSIDE @ 20'	64
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods **4500-CfB**

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H13484 OCO

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

Company Name: Ocotillo Environmental LLC
Project Manager: Cindy Crain
Address: 2125 French Dr.
City: Hobbs State: NM Zip: 88240
Phone #: 505-441-7244 Fax #: 432-272-0340
Project #: 0907-036B Project Owner: LEGACY
Project Name: LMP54 #196
Project Location: Lea County N.M.
Sample Name: Steve Cannon

BILL TO

P.O. #:
Company: Ocotillo
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER				
<u>H3484-D</u>	<u>SS-13 Northside @ 20'</u>	<u>Q</u>	<u>1</u>			<u>✓</u>								<u>10-11-07</u>	<u>8:39</u>	<u>✓</u>
	<u>SS-14 Southside @ 20'</u>	<u>Q</u>	<u>1</u>			<u>✓</u>								<u>"</u>	<u>8:44</u>	<u>✓</u>

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Relinquished By:

Date: 10-11-07
Time: 9:54

Received By:

Phone Result: ☐ Yes ☒ No Add'l Phone #:
Fax Result: ☐ Yes ☒ No Add'l Fax #:
REMARKS:

Relinquished By:

Date:
Time:

Received By:

Fax # 432-272-0304

Delivered By: (Circle One)

☒ Sampler ☐ UPS ☐ Bus ☐ Other:

Sample Condition:
Cool Intact
☐ Yes ☒ No ☐ Yes ☒ No

CHECKED BY:
(Initials)

LP

ASAP Please.

today need Results.

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476