

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 ☒

JAN 17 2008

OCD-ARTESIA

Operator: <u>J. C. Williamson</u> Telephone: <u>(505) 370-1551</u> e-mail address: <u>mj-cmb@leaco.com</u>		
Address: <u>P. O. Box 16, Midland, TX 79702</u>		
Facility or well name: <u>Ross Draw Unit #25</u> API #: <u>30-015-35496</u> U/L or Qtr/Qtr <u>K</u> Sec <u>26</u> T <u>26S</u> R <u>30E</u>		
County: <u>Eddy</u> Latitude <u>N 32 deg 0.745,1'</u> Longitude <u>W 103 deg 51.240,5'</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>20</u> mil Clay <input type="checkbox"/> Pit Volume <u>7000</u> bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> 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) 180 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	(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)
<b>Ranking Score (Total Points)</b>		<b>0</b>

**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 \_\_\_\_\_. (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 and lined with a 12 ml liner.
The liner and 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.
Soil samples were collected below the liner, and additional soil was removed to a depth of 20 feet bgs. Additional soil was disposed at an NMOCD approved facility.
The excavation was lined with a 20 mil liner and backfilled with clean soil. The surface will be contoured to grade and re-seeded.
Laboratory results from soil samples are attached.

*FINAL CLOSURE*

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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date: <u>December 4, 2007</u>		
Printed Name/Title: <u>Joe Baccus, Production Foreman</u>	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.		
Approval:	Accepted for record	JAN 24 2008
Printed Name/Title _____	Signature _____ NMOCD _____	Date: _____

# Ocotillo ENVIRONMENTAL

Dirt Work • On-Site Remediation • Soil Testing • Excavation

JAN 17 2008  
OCD-ARTESIA

January 14, 2008

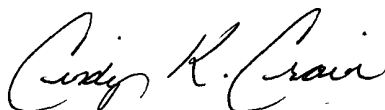
Mr. Mike Bratcher  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1301 W. Grand Avenue  
Artesia, New Mexico 88210

**Re: Final C-144 Form  
J. C. Williamson, Ross Draw Unit #25  
Unit Letter K, Section 26, Township 26 South, Range 30 East  
Eddy County, New Mexico  
API # 30-015-35496**

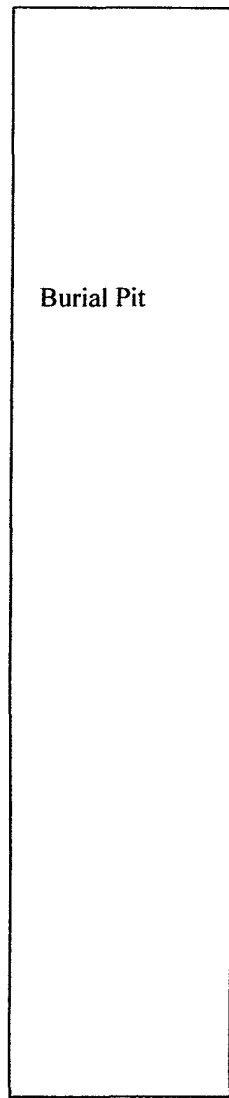
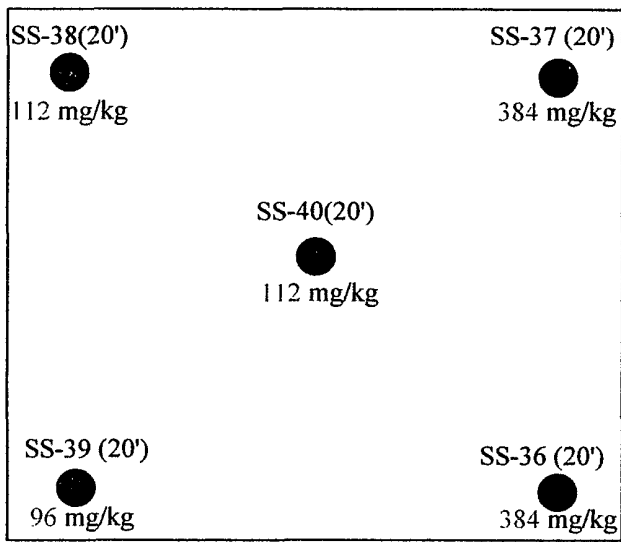
Dear Mr. Bratcher:

Please find enclosed a copy of the above-referenced report. The report is submitted on behalf of J. C. Williamson, and presents the final results of pit closure activities conducted by Ocotillo Environmental, LLC. Please call Joe Baccus at (505) 370-1551 or myself at (505) 441-7244 if you have questions.

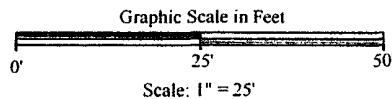
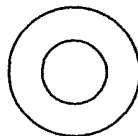
Sincerely,  
*Ocotillo Environmental, LLC*



Cindy K. Crain, P.G.  
Environmental Manager



Wellhead  
N32.01252  
W103.85460



**FIGURE # 1**

EDDY COUNTY, NEW MEXICO

J.C. Williamson  
Ross Draw #25

UL-K, Sec.26, T26S, R30E

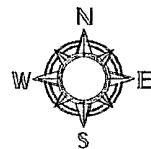
Site Drawing With Sample Locations

Ocotillo

**LEGEND**

SS-36 @ 20'  
384 mg/kg

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



DATE: 12-06-07  
NAME: MAC  
PROJECT NO.: 0907-049R



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

Analysis Date: 11/14/07  
Sampling Date: 11/13/07  
Sample Type: SOIL  
Sample Condition: INTACT  
Sample Received By: SB  
Analyzed By: KS

LAB NO.	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H13703-1	SS-36 @ 20'	384
H13703-2	SS-37 @ 20'	384
H13703-3	SS-38 @ 20'	112
H13703-4	SS-39 @ 20'	96.0
H13703-5	SS-40 @ 20'	112
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-CrB
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**Note:** Analyses performed on 1:4 w:v aqueous extracts.

Kristen Anagnoste  
Chemist

11/14/07  
Date

H13703 OCO

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



# 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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Ocotillo Environmental LLC</u>				BILL TO:				ANALYSIS REQUEST											
Project Manager: <u>Cindy Crain</u>				P.O. #:															
Address: <u>2125 French Drive</u>				Company: <u>Ocotillo</u>															
City: <u>Hobbs</u>		State: <u>NM</u> Zip: <u>88240</u>		Attn:															
Phone #: <u>575-441-7244</u>		Fax #: <u>432-272-0304</u>		Address:															
Project #: <u>0907-052R</u>		Project Owner: <u>Williamson</u>		City:															
Project Name: <u>Ross Draw # 25</u>				State: Zip:															
Project Location: <u>El Paso County N.M.</u>				Phone #:															
Sampler Name: <u>Steve Cannon</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G/RAB OR C) OMP	# CONTAINERS	MATRIX				PRESERV.		SAMPLING		Chloride							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL					OTHER:	DATE	TIME	
<u>H13703-1</u>	<u>55-36 @ 20'</u>	<u>G1</u>	<u>1</u>			<u>✓</u>											<u>11-13-07</u>	<u>2:15</u>	
<u>2</u>	<u>55-37 @ 20'</u>	<u>G1</u>	<u>1</u>			<u>✓</u>											<u>"</u>	<u>2:23</u>	
<u>3</u>	<u>55-38 @ 20'</u>	<u>G1</u>	<u>1</u>			<u>✓</u>											<u>"</u>	<u>2:31</u>	
<u>4</u>	<u>55-39 @ 20'</u>	<u>G1</u>	<u>1</u>			<u>✓</u>											<u>"</u>	<u>2:39</u>	
<u>5</u>	<u>55-40 @ 20'</u>	<u>G1</u>	<u>1</u>			<u>✓</u>											<u>"</u>	<u>2:46</u>	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's sole remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
<u>Steve Cannon</u>	<u>11-13-07</u>	<u>Sue Barnes</u>	<u>11/13/07 4:45 PM</u>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
<u>Sampler</u> UPS - Bus - Other:	Cool Intact	(Initials)		
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>SB</u>		

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