

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

Form C-144  
June 1, 2004

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

**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 COG Operating, LLC Telephone (432) 685-4340 e-mail address PEdwards@conchoresources.com  
Address 550 West Texas Ave, Suite 1300, Midland, Texas 79701  
Facility or well name Leaker CC #10 API # 30-025-38619 UL or Qtr/Qtr I Sec 16 T-17-S R-32-E  
County Lea Latitude 32 831778° N Longitude 103 763419° W NAD 1927 X 1983 ☐  
Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

RECEIVED

**Pit**  
Type Drilling ☒ Production ☐ Disposal ☐  
Workover ☐ Emergency ☐  
Lined ☒ Unlined ☐  
Liner type Synthetic ☒ Thickness 12 mil Clay ☐  
Pit Volume 5,000 bbl

**Below-grade tank**  
Volume \_\_\_\_\_ bbl Type of fluid \_\_\_\_\_  
Construction material \_\_\_\_\_  
Double-walled, with leak detection? Yes ☐ If not explain \_\_\_\_\_  
MAY 06 2008  
HOBBS OCD

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) 110'

Less than 50 feet	(20 points)
50 feet or more, but less than 100 feet	(10 points) 0
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) 0

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) 0

**Ranking Score (Total Points)** 0

**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

Closed by trench burial, verbally approved by Larry Johnston on 4-15-08

Lab and field sample results are attached

Pit was clean and no additional material was removed from the pit area

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 X, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.

Date 4-23-08

Printed Name/Title Gary Miller, Agent

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

Printed Name/Title

Signature

Date

5.7.08

ENVIRONMENTAL ENGINEER

# Highlander Environmental Corp.

## Pit Closure Sampling Report

Job Number:

3263

Date:

4-15-08

Client:

CO29

Well Name

Leater CC #10

API#

30-025-38619

Lea Co. N/A

Depth of Pit

Depth to

Groundwater

Orientation of pit ☒ N ☐ S ☐ E ☐ W

All pit sample depths are below pit bottom (BPB)

Closed verbally by Larry Johnston 4.15.08

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2'	200	<100
NW	2'	250	229
SE	2'	150	<100
SW	2'	150	117
Center	2'	100	<100

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

## Summary Report

Gary Miller  
Highlander Environmental Services  
1910 N. Big Spring Street  
Midland, TX, 79705

Report Date: April 21, 2008

Work Order: 8041806



Project Location: Lea County, NM  
Project Name: COG-Leaker CC #10  
Project Number: 3263

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
157112	NE-2	soil	2008-04-15	00:00	2008-04-17
157113	NW-2	soil	2008-04-15	00:00	2008-04-17
157114	SE-2	soil	2008-04-15	00:00	2008-04-17
157115	SW-2	soil	2008-04-15	00:00	2008-04-17
157116	C-2	soil	2008-04-15	00:00	2008-04-17

**Sample: 157112 - NE-2**

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

**Sample: 157113 - NW-2**

Param	Flag	Result	Units	RL
Chloride		229	mg/Kg	2.00

**Sample: 157114 - SE-2**

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

**Sample: 157115 - SW-2**

Param	Flag	Result	Units	RL
Chloride		117	mg/Kg	2.00

**Sample: 157116 - C-2**

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296  
*This is only a summary. Please, refer to the complete report package for quality control data.*

Report Date: April 21, 2008  
3263

Work Order: 8041806  
COG-Leaker CC #10

Page Number: 2 of 2  
Lea County, NM

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

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**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: <b>COG Operating LLC</b>		Telephone: <b>432-685-4332</b>	e-mail address: <b>kcarrillo@conchoresources.com</b>	
Address: <b>550 W. Texas, Suite 1300</b>		Midland, TX 79701		
Facility or well name: <b>Leaker CC #10</b>		API #: <b>30-025-38619</b>	U/L or Qtr/Qtr: <b>I</b>	Sec: <b>16</b> T: <b>17S</b> R: <b>32E</b>
County: <b>Lea</b>	Latitude: <b>32.831778° N</b>	Longitude: <b>103.763419° W</b>	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: <b>12</b> mil Clay <input type="checkbox"/> Pit Volume: <b>5000</b> 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.) <b>110'</b>		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)
		<b>Ranking Score (Total Points)</b>		<b>0 points</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:	<b>COG Operating LLC proposes to close the drilling pit as follows:</b>
1.	Remove fluids from pit.
2.	A deep trench pit will be constructed next to the existing reserve pit and lined with a 12 mil liner. The contents will be encapsulated in this pit and the liner will be folded over the mud & cuttings.
3.	Cover liner w/20 mil liner w/ excess of 3' on all sides as per option IV.B.3.(b) of Pit and Below-Grade Tank Guidelines.
4.	Cover w/ a minimum of 3' of native soil.
5.	Contour pit to prevent erosion & ponding of rainwater.

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: **03/3/08**

Printed Name/Title: **Kanicia Carrillo, Regulatory Analyst**

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

**\*CONDITIONS REQ'D FOR APPROVAL:**

Samples (for chloride) are to be obtained from pit floor area in each quadrant and analysis submitted to OCD prior to back filling.

Signature: 

Date: **4.29.08**

**ENVIRONMENTAL ENGINEER**