

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 #11	API #:	30-025-38620	UL or Qtr/Qtr	B Sec 16 T-17-S R-32-E
County	Lea	Latitude	32.840863° N	Longitude	103.769382° W NAD 1927 X 1983 <input type="checkbox"/>
Surface Owner	Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>				
Pit	Below-grade tank				
Type Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/>	Volume _____ bbl Type of fluid _____				
Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/>	Construction material: _____				
Liner type Synthetic <input checked="" type="checkbox"/> Thickness 12 mil Clay <input type="checkbox"/>	Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____				
Pit Volume 5,000 bbl					
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		

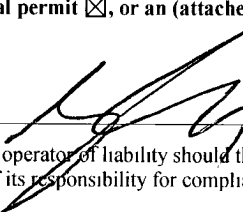
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial 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 5-12-08.
Lab and field sample results are attached
All material with chloride levels above 250 mg/kg were removed and place in tha lined burial trench on the east side of the reserve pit
DEEP BURIAL

RECEIVED

MAY 16 2008

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 X, a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date 5-15-08		
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 ENVIRONMENTAL ENGINEER	Date 5-22-08

Sent: Thu May 8 18:54
Priority: Normal

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x NW NE x

x Center

x SW SE x

• Wellhead

Well Pad

x _____ Indicates Sample Location
(Name by quarter i.e. NW, NE etc)

↑ Draw in North Arrow

Depth of pit in feet 8'

Client: COG Oper.

Well Name: Leaker CO# 11

API# 30025 38620

Report Date: May 15, 2008
3264

Work Order: 8050946
COG-Leaker CC #11

Page Number: 1 of 2
Lea County, NM

Summary Report

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

Report Date: May 15, 2008

Work Order: 8050946



Project Location: Lea County, NM
Project Name: COG-Leaker CC #11
Project Number: 3264

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
159421	NE 2'	soil	2008-05-08	00:00	2008-05-09
159422	NW 10'	soil	2008-05-08	00:00	2008-05-09
159423	SE 5'	soil	2008-05-08	00:00	2008-05-09
159424	SW 2'	soil	2008-05-08	00:00	2008-05-09
159425	Center 5'	soil	2008-05-08	00:00	2008-05-09

Sample: 159421 - NE 2'

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

Sample: 159422 - NW 10'

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

Sample: 159423 - SE 5'

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

Sample: 159424 - SW 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: May 15, 2008
3264

Work Order: 8050946
COG-Leaker CC #11

Page Number: 2 of 2
Lea County, NM

Param	Flag	Result	Units	RL
Chloride		146	mg/Kg	2.00

Sample: 159425 - Center 5'

Param	Flag	Result	Units	RL
Chloride		305	mg/Kg	2.00

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June 1, 2004

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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: COG Operating LLC Telephone: 432-685-4332 e-mail address: kcarrillo@conchoresources.com		
Address: 550 W. Texas, Suite 1300 Midland, TX 79701		
Facility or well name: Leaker CC #11 API #: 30-025-38620 U/L or Qtr/Qtr: B Sec: 16 T: 17S R: 32E		
County: Lea Latitude: 32.840863° N Longitude: 103.769382° W 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"/>		
Pit 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: 12 mil Clay <input type="checkbox"/> Pit Volume: 5000 bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not: _____	RECEIVED APR 07 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (0 points)
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)
Ranking Score (Total Points)		0 points

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: COG Operating LLC proposes to close the drilling pit as follows:
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: **04/04/08**

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 regulations.

Approval

Printed Name/Title: _____

Signature:  **ENVIRONMENTAL ENGINEER**

Date: **4.9.08**

Gary Miller

From: Johnson, Larry, EMNRD [larry.johnson@state.nm.us]
Sent: Monday, May 12, 2008 8:56 AM
To: Gary Miller
Subject: RE: COG Leaker CC #11 Reserve pit field sample results

Proceed as requested. I have heard several comments of slowdown but the rig count is still fairly high and steady – maybe everyone with overdue pits wanted to get closure ASAP as the possible pit rule changes were creating a lot of unrest.

From: Gary Miller [mailto:gmill@hec-enviro.com]
Sent: Monday, May 12, 2008 6:29 AM
To: Johnson, Larry, EMNRD
Subject: COG Leaker CC #11 Reserve pit field sample results

Larry, the attached are the field sample results for the above mentioned well. As noted, all soils with Chloride over 250 mg/kg were removed and placed in the lined burial trench for closure. If this looks ok to you we will proceed with closure and I will send you the final C-144 and lab data with it get in. Thanks,

It looks like we will be having far fewer of this in the next month or so. I guess we will learn a new system again.

Gary E. Miller
Highlander Environmental Corp.
1910 N. Big Spring
Midland, Texas 79705

432-682-4559 office
432-557-4681 cell
432-682-3946 fax

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5/15/2008