

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: Electra Federal #16 API #: 30-015-35431 UL or Qtr/Qtr N Sec 10 1-17-S R-30-C
County: Pddy Latitude 32 82558N Longitude 103 962481W NAD: 1927 X 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

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"/> 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 3,000 bbl	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.) 115'	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, procedure attached, on 12-17-2007, on verbal approval by Mike Bratcher.
Lab and field sample results are attached.
Removed all material above 250 chlorides and placed in burial trench after field sampling.

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: 12-28-07

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: _____

Accepted for record
NMOCD

DEC 31 2007

Highlander Environmental Corp.
Pit Closure Sampling Report

Job Number: 3381 (3331)
Client: COG
Well Name: Electra Fed. #16
API#: 30-015-35431 Edley Co. Ohio
Depth of Pit: 8'
Location and Depth of Background sample: 110 5' - 8'

All pit sample depths are below pit bottom (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (ppm)	Lab Chloride Results (ppm)
NE	2'	2080	
	5'	600	
	10'	290	<250
NW	2'	480	
	5'	360	
	10'	120	<250
SE	2'	120	<250
SW	2'	220	<250
Center	2'	160	<250

DNR- Did not run at lab.
BGS- Below Ground Surface
BPB- Below Pit Bottom

Removed all material above 250 cl. @ NE, NW
Placed in Burial Trench for closure.
Bratker
Approved for M.K. 12-17-07

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x SE SW x

x Center x

x NE NW 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

Well Name: Electric Field #16

API# 30 015-35431

Summary Report

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

Report Date: December 20, 2007

Work Order: 7121722



Project Location: Eddy County, NM
Project Name: COG/Electra Fed #16
Project Number: 3331

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145547	NE- 10'	soil	2007-12-13	00:00	2007-12-17
145548	NW- 10'	soil	2007-12-13	00:00	2007-12-17
145549	SE- 2'	soil	2007-12-13	00:00	2007-12-17
145550	SW- 2'	soil	2007-12-13	00:00	2007-12-17
145551	CENTER- 2'	soil	2007-12-13	00:00	2007-12-17

Sample: 145547 - NE- 10'

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

Sample: 145548 - NW- 10'

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

Sample: 145549 - SE- 2'

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

Sample: 145550 - SW- 2'

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

Sample: 145551 - CENTER- 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: December 20, 2007
3331

Work Order: 7121722
COG/Electra Fed. #16

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

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Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

NOV 05 2007

OCD-ARTESIA

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 Electra Federal #16 API # 30-015-35431 U/I. or Qtr/Qtr N Sec 10 T 17S R 30E	
County EDDY Latitude 32.82558° N Longitude 103.962481° W NAD. 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>	
Surface Owner: Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input 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 3000 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: _____
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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.	
See Attached Stipulations	

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 11/01/07	
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: Gerry Guye	
Printed Name/Title Compliance Officer	Signature Date NOV 26 2007