

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 NMOC 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: PEduards@conchoresources.com  
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701  
Facility or well name: Electra Federal #13 API# 30-015-37473 UL or Qtr/Qtr E Sec 10 T-17-S R-30-L  
County: Eddy Latitude 32.831389 N Longitude 103.772080 W 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 3000 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.) 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, procedure attached, on 6-26-2008, on verbal approval by Mike Bratcher

Lab and field sample results are attached.

All material above 250 mg/Kg chlorides as removed from pit, placed in lined burial trench and capped and backfilled

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 NMOC District guidelines X, a general permit ☐, or an (attached) alternative OGD-approved plan ☐.

Date: 6-28-08

Printed Name/Title Gary Miller, Agent

Signature 

Your certification and NMOC District 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

Accepted for record  
NMOC District

AUG 12 2008  
Date

Final Closure

# Pit Closure Sampling Report

3548

6-23-08

106

Electro Feed #13

30-015-37473

51

Orientation of pit    N    S    E    W

Burial trench location from reserve pit	N	S	E	W
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All pit sample depths are *below pit bottom* (BPB)

[illegible]

BPB- Below Pit Bottom

Highlander Environmental Corp.  
Pit Sample Location Plat

Pit wall in feet \_\_\_\_\_

x NE x SE x

x Center x

x NW x SW 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 POB Operating

Well Name: Electra Fed #13

API# 30-015-37473

Report Date: August 12, 2008  
3548

Work Order: 8062533  
COG-Electra Fed. #13

Page Number: 1 of 2  
New Mexico

## Summary Report

none

Report Date: August 12, 2008

Work Order: 8062533



Project Location: New Mexico  
Project Name: COG-Electra Fed. #13  
Project Number: 3548

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
164637	NE 2'	soil	2008-06-23	00:00	2008-06-25
164638	NW 2'	soil	2008-06-23	00:00	2008-06-25
164639	SE 2'	soil	2008-06-23	00:00	2008-06-25
164640	SW 2'	soil	2008-06-23	00:00	2008-06-25
164641	Center 2'	soil	2008-06-23	00:00	2008-06-25

### Sample: 164637 - NE 2'

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

### Sample: 164638 - NW 2'

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

### Sample: 164639 - SE 2'

Param	Flag	Result	Units	RL
Chloride		124	mg/Kg	2.00

### Sample: 164640 - 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 August 12, 2008  
3548

Work Order: 8062533  
COG-Electra Fed. #13

Page Number: 2 of 2  
New Mexico

Param	Flag	Result	Units	RL
Chloride		358	mg/Kg	2.00

Sample: 164641 - Center 2'

Param	Flag	Result	Units	RL
Chloride		104	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	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 #13	API #	30-015-37473	U/L or Qtr/Qtr	E Sec 10 T 17S R 30E
County	EDDY	Latitude	32.851379° N	Longitude	103.964402° W
Surface Owner	Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>	NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>			

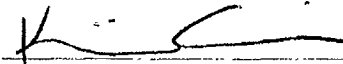
<b>Pit</b> Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 12 mil Clay <input type="checkbox"/> Pit Volume 3000 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: _____ <div style="text-align: right;">MAY 19 2008 OCD-ARTESIA</div>
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) 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) 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.

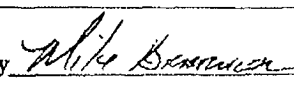
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date 05/15/08

Printed Name/Title Kanicia Carrillo, Regulatory Analyst Signature 

Your certification and NMOC 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.

NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be obtained from pit area and analyses submitted to OCD prior to back-filling.

Signed By  Date MAY 21 2008

Signature \_\_\_\_\_

If burial trench is to be constructed in pit area, samples are to be obtained and analyses submitted to OCD