

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: PEIdwards@conchoresources.com  
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701  
Facility or well name: Electra Federal #11 API #: 30-015-35427 UL or Qtr/Qtr L Sec 10 T-17-S R-30-E  
County: Eddy Latitude 32.84817N Longitude 103.96521W 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 12-21-2007, on verbal approval by Mike Bratcher.
Lab and field sample results are attached
Excavated Center and NW corner to 30", Lined NW corner with 20 mil plastic, and use as second burial trench, cap and backfill.

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 \_\_\_\_\_

Accepted for record  
NMOCD

Date  
DEC 31 2007

# Highlander Environmental Corp. Pit Closure Sampling Report

Job Number: 3165  
 Client: 106  
 Well Name: Electra Field #11  
 API#: 30-015-35427  
 Depth of Pit: 8'  
 Depth to Groundwater: 110 Orientation of pit N S (E) W

All pit sample depths are below pit bottom (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2	120	<100
NW	2	3240	
	5	4490	
	10	5300	
	15	3280	
	20	4400	
	25	4320	
Rock	30	1700	1410
Center	2	1840	
	5	3460	
	10	2460	
	15	2660	
	20	2700	
	25	1020	
	30	200	148
SE	2	160	170
SW	2	250	185

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

Dig out Center & NW Center to 30'  
 Line shallowly 20 mil & use for second  
 Burial Trench, approved Oct 12-21-07 M. W. Brister

Highlander Environmental Corp.  
Pit Sample Location Plat

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

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

x NE x SE x

x Center x

x NW x SW x

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

← Draw in North Arrow

Depth of pit in feet \_\_\_\_\_

• Wellhead

Well Pad

Client: POC Oper

Well Name: Electra Fed #11

API# 30-015-35427

Report Date: December 28, 2007  
3165

Work Order: 7122620  
COG/Electra Fed #11

Page Number: 1 of 2  
Eddy Co NM.

## Summary Report

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

Report Date: December 28, 2007

Work Order: 7122620



Project Location: Eddy Co NM.  
Project Name: COG/Electra Fed #11  
Project Number: 3165

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
146475	NE-2'	soil	2007-12-18	00:00	2007-12-26
146476	NW-30'	soil	2007-12-18	00:00	2007-12-26
146477	Center-30'	soil	2007-12-18	00:00	2007-12-26
146478	SE-2'	soil	2007-12-18	00:00	2007-12-26
146479	SW-2'	soil	2007-12-18	00:00	2007-12-26

### Sample: 146475 - NE-2'

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

### Sample: 146476 - NW-30'

Param	Flag	Result	Units	RL
Chloride		1410	mg/Kg	2.00

### Sample: 146477 - Center-30'

Param	Flag	Result	Units	RL
Chloride		148	mg/Kg	2.00

### Sample: 146478 - SE-2'

Param	Flag	Result	Units	RL
Chloride		170	mg/Kg	2.00

### Sample: 146479 - 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: December 28, 2007  
3165

Work Order: 7122620  
COG/Electra Fed #11

Page Number: 2 of 2  
Eddy Co NM.

Param	Flag	Result	Units	RL
Chloride		185	mg/Kg	2.00

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1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-015-35427</b>	
5. Indicate Type of Lease	<b>FEDERAL</b>
STATE <input type="checkbox"/>	FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name <b>ELECTRA FEDERAL</b>	
8. Well Number	<b>11</b>
9. OGRID Number <b>229137</b>	
10. Pool name or Wildcat <b>LOCO HILLS; Paddock</b>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3706' GR</b>	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input checked="" type="checkbox"/>	
Pit type <b>DRILLING</b> Depth to Groundwater <b>115'</b> Distance from nearest fresh water well <b>1000'</b> Distance from nearest surface water <b>1000'</b>	
Pit Liner Thickness: <b>12 mil</b> Below-Grade Tank: Volume _____ bbls; Construction Material _____	

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ **JUL - 3 2007**

2. Name of Operator  
**COG Operating LLC** **OCD-ARTESIA**

3. Address of Operator  
**550 W. Texas Ave., Suite 1300** **Midland, TX 79701**

4. Well Location  
Unit Letter **L** : **2310'** feet from the **South** line and **990'** feet from the **West** line  
Section **10** Township **17S** Range **30E** NMPM County **EDDY**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3706' GR**

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type **DRILLING** Depth to Groundwater **115'** Distance from nearest fresh water well **1000'** Distance from nearest surface water **1000'**

Pit Liner Thickness: **12 mil** Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <b>Pit closure</b> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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 and cuttings.
3. Cover liner with 20 mil liner with excess of 3' on all sides as per option IV.B.3.(b) of the Pit and Below-Grade Tank Guidelines.
4. Cover with a minimum 3' of native soil.
5. Contour pit to prevent erosion and 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 any 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 ☐.

SIGNATURE Phyllis Edwards TITLE Regulatory Analyst DATE 7-2-07

Type or print name Phyllis Edwards E-mail address: pedwards@conchoresources.com Telephone No. 432-685-4340

For State Use Only  
APPROVED BY: \_\_\_\_\_  
Notify OCD 24 hours prior to beginning pit closure.

Conditions of Approval  
Samples are to be obtained from pit area and analysis submitted to NMOC prior to back-filling

Signed By Mike Demorente **JUL 13 2007**