

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: G J West Coop Unit #174 API #: 30-015-35725 U/L or Qtr/Qtr I Sec 21 T-17-S R-29-E
County: Eddy Latitude 32.819070N Longitude 104.071815W 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) 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 4-15-08, on email approval by Mike Bratcher
Lab and field sample results are attached.
All material above 250 mg/Kg chlorides (field analyses) was removed from pit and placed in the lined trench east of the pit and then capped and closed.

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: 4-17-08

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: _____

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number:

3462

Date: 4-11-09

Client:

Coq

Well Name

GJ West Coop Unit #174

API#

30-015-035725

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	650	
	5	250	146
NW	2	1500	
	5	250	< 100
SE	2	1400	
	5	250	162
SW		260	256
C		250	673

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

All material over 250 mg/kg removed
Flare in Bona Trench & Chloride

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Pit or Below-Grade Tank Registration or Closure

DEC 17 2007

OCD-ARTESIA

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: <u>COG Operating LLC</u> Telephone: <u>432-685-4332</u> e-mail address: <u>kcarrillo@conchoresources.com</u>	
Address: <u>550 W. Texas, Suite 1300</u> <u>Midland, TX 79701</u>	
Facility or well name: <u>GJ West Coop Unit #174</u> API #: <u>30-015-35725</u> D/L or Qtr/Qtr <u>I</u> Sec. <u>21</u> T. <u>17S</u> R. <u>29E</u>	
County: <u>EDDY</u> Latitude: <u>32.819070° N</u> Longitude: <u>104.071815° W</u> 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: <u>12</u> mil Clay <input type="checkbox"/> Pit Volume: <u>3000</u> 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: _____
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water) <u>110'</u>	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) <u>0 points</u>	

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: <u>COG Operating LLC proposes to close the drilling pit as follows:</u>
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 District Office ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Date: 12/06/07

Printed Name/Title: Kanicia Carrillo, Regulatory Analyst

Signature: [Signature]

Your certification and NMOC District Office 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: _____

Signed By: [Signature]

Date: DEC 17 2007

NOTIFY OCD 24 HOURS prior to sampling and closure. Samples are to be obtained from pit area and analyses submitted to OCD prior to backfilling.

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

Summary Report

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

Report Date: April 14, 2008

Work Order: 8041113



Project Location: Eddy Co, NM
Project Name: COG-GJ West Coop Unit #174
Project Number: 3468

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
156520	NE-5	soil	2008-04-10	00:00	2008-04-11
156521	NW-5	soil	2008-04-10	00:00	2008-04-11
156522	SE-5	soil	2008-04-10	00:00	2008-04-11
156523	SW-2	soil	2008-04-10	00:00	2008-04-11
156524	C-2	soil	2008-04-10	00:00	2008-04-11

Sample: 156520 - NE-5

Param	Flag	Result	Units	RL
Chloride		146	mg/Kg	2.00

Sample: 156521 - NW-5

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

Sample: 156522 - SE-5

Param	Flag	Result	Units	RL
Chloride		162	mg/Kg	2.00

Sample: 156523 - SW-2

Param	Flag	Result	Units	RL
Chloride		256	mg/Kg	2.00

Sample: 156524 - 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 14, 2008
3468

Work Order: 8041113
COG-GJ West Coop Unit #174

Page Number: 2 of 2
Eddy Co, NM

Param	Flag	Result	Units	RL
Chloride		673	mg/Kg	2.00

Gary Miller

From: Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]
Sent: Tuesday, April 15, 2008 8:03 AM
To: Gary Miller
Subject: RE COG Harvard Fed #9 and GJ West #174 field sample results

Gary.

OK to close

Mike Bratcher

From: Gary Miller [mailto:gmiller@hec-enviro.com]
Sent: Friday, April 11, 2008 8:55 AM
To: Bratcher, Mike, EMNRD
Subject: COG Harvard Fed #9 and GJ West #174 field sample results

Mike, here are the field sample results for the above mentioned wells, all material above 250 mg/kg chloride was removed and placed in the lined burial trench for backfill. If you agree please respond and we will get the pit closed. Thanks.

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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4/15/2008