

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 of 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 ☒

FINAL w/
DOCUMENTATION

Operator: COG Operating LLC Telephone 432-685-4332 e-mail address: kcarrillo@conchoresources.com
Address: Fasken Center Tower II, 550 W Texas Ave., Suite 1300, Midland, TX 79701
Facility or well name B C Federal # 27 API #: 30-025-38727 U/L or Qtr/Qtr: A Sec 20 T 17S R 32E
County: Lea Latitude: 32 826187 N Longitude: 103 73076 W NAD: 1927 ☒ 1983 ☐
Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

RECEIVED

Pit

Type: Drilling ☒ Production ☐ Disposal ☐
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐
Liner type Synthetic ☒ Thickness: 12 mil Clay ☐
Pit Volume 25,000 bbl

Below-grade tank

Volume _____ bbl Type of fluid: _____
Construction material _____
Double-walled, with leak detection? Yes ☐ If not, explain why not _____

JUN 11 2008

HOBBS OGD

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) 150'

Less than 50 feet	(20 points)
50 feet or more, but less than 100 feet	(10 points)
100 feet or more - X	(0 points) 0

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 - X	(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 - X	(0 points) 0

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.

Closed by trench burial, procedure attached and e-mail notified Larry Johnson of closure on 6-5-08.

All material with chloride levels above 250 mg/Kg were removed and placed in 20 mil lined burial trench located next to the reserve pit, on east side

Trench was capped with 20 mil liner with excess of 3' on all sides and covered with 3' of native soil

Lab and field samples results are attached

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: 6-10-2008

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: 7.9.08

Pit Closure Sampling Report

Job Number:

3101

Client:

LOG

Well Name

BCFed #27

API#

30-025-38727

Depth of Pit

6'

Depth to

Orientation of pit N S E W

Groundwater

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

[illegible]

BGS- Below Ground Surface

BPB- Below Pit Bottom

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x NE SE x

x Center x

x NW NE 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 6

Client: COG

Well Name: Br Fed #27

API# 30-025-38727

Report Date: June 9, 2008
3101

Work Order: 8060531
COG-BC Federal #27

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: June 9, 2008

Work Order: 8060531



Project Location: Lea County, NM
Project Name: COG-BC Federal #27
Project Number: 3101

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
162060	NE-2'	soil	2008-06-05	00:00	2008-06-05
162061	NW-2'	soil	2008-06-05	00:00	2008-06-05
162062	SE-5'	soil	2008-06-05	00:00	2008-06-05
162063	SW-2'	soil	2008-06-05	00:00	2008-06-05
162064	Center-5'	soil	2008-06-05	00:00	2008-06-05

Sample: 162060 - NE-2'

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

Sample: 162061 - NW-2'

Param	Flag	Result	Units	RL
Chloride		119	mg/Kg	2.00

Sample: 162062 - SE-5'

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

Sample: 162063 - 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: June 9, 2008
3101

Work Order: 8060531
COG-BC Federal #27

Page Number: 2 of 2
Lea County, NM

Param	Flag	Result	Units	RL
Chloride		139	mg/Kg	2.00

Sample: 162064 - Center-5'

Param	Flag	Result	Units	RL
Chloride		188	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 **BC Federal #27** API # **30-025-38727** U/L or Qtr/Qtr **A** Sec **20** T **17S** R **32E**
County **Lea** Latitude **32.826187° N** Longitude **103.73076° W** NAD. 1927 ☒ 1983 ☐

Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

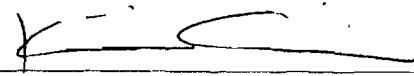
Pit Type Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type Synthetic <input checked="" type="checkbox"/> Thickness 12 mil Clay <input type="checkbox"/> Pit Volume 25,000 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) 150'	<table border="1"><tr><td>Less than 50 feet</td><td>(20 points)</td></tr><tr><td>50 feet or more, but less than 100 feet</td><td>(10 points)</td></tr><tr><td>100 feet or more</td><td>(0 points)</td></tr></table>	Less than 50 feet	(20 points)	50 feet or more, but less than 100 feet	(10 points)	100 feet or more	(0 points)
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Yes	(20 points)						
No	(0 points)						
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1000 feet or more	(0 points)						
Ranking Score (Total Points)							
0 points							

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(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.

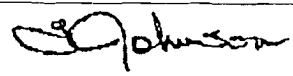
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Date **04/14/08**

Printed Name/Title **Kanicia Carrillo, Regulatory Analyst** Signature 

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Approval

Printed Name/Title _____ Signature  Date **5.29.08**
ENVIRONMENTAL ENGINEER