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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

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 FINAL

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: Fasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701
Facility or well name MC Federal # 13 API #: 30-025-38551 U/L or Qtr/Qtr. H Sec. 21 T 17S R: 32E
County Lea Latitude: 32 822692 N Longitude: 103.750542 W NAD: 1927 ☒ 1983 ☐
Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

RECEIVED
JAN 31 2008
HOBBS OCD

Pit	**Below-grade tank**	
Type Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type Synthetic ☒ Thickness: 12 mil Clay ☐ Pit Volume: 5,000 bbl	Volume: _____bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ 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 50 feet or more, but less than 100 feet 100 feet or more - X	(20 points) (10 points) (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 No - X	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more - X	(20 points) (10 points) (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 your 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 approval to close by Chris Williams received on 1-22-2008
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 north side of reserve pit.
Trench was capped with 20 mil. liner 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 1-29-2008
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 2.4.08

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number: 3372 **Date:** 1-21-08

Client: COG

Well Name MC Fed #13

API# 30-025-38551

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'	300	
	5	350	
	10'	1000	
	15'	250	<100
NW	2'	1000	
	5	250	171
SE	2'	250	<100
SW	2'	300	
	5	250	<100
center	2'	400	
	5	200	124

Remove all material to 250 @ blend w/ Drill cuttings & place in Burial Trench

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

Summary Report

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

Report Date: January 29, 2008

Work Order: 8012319

Project Location: Lea County, NM
Project Name: COG-MC Fed #13
Project Number: 3372

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
148731	NE 15'	soil	2008-01-21	00:00	2008-01-23
148732	NW 5'	soil	2008-01-21	00:00	2008-01-23
148733	SE 2'	soil	2008-01-21	00:00	2008-01-23
148734	SW 5'	soil	2008-01-21	00:00	2008-01-23
148735	Center 5'	soil	2008-01-21	00:00	2008-01-23

Sample: 148731 - NE 15'

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

Sample: 148732 - NW 5'

Param	Flag	Result	Units	RL
Chloride		**171**	mg/Kg	2.00

Sample: 148733 - SE 2'

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

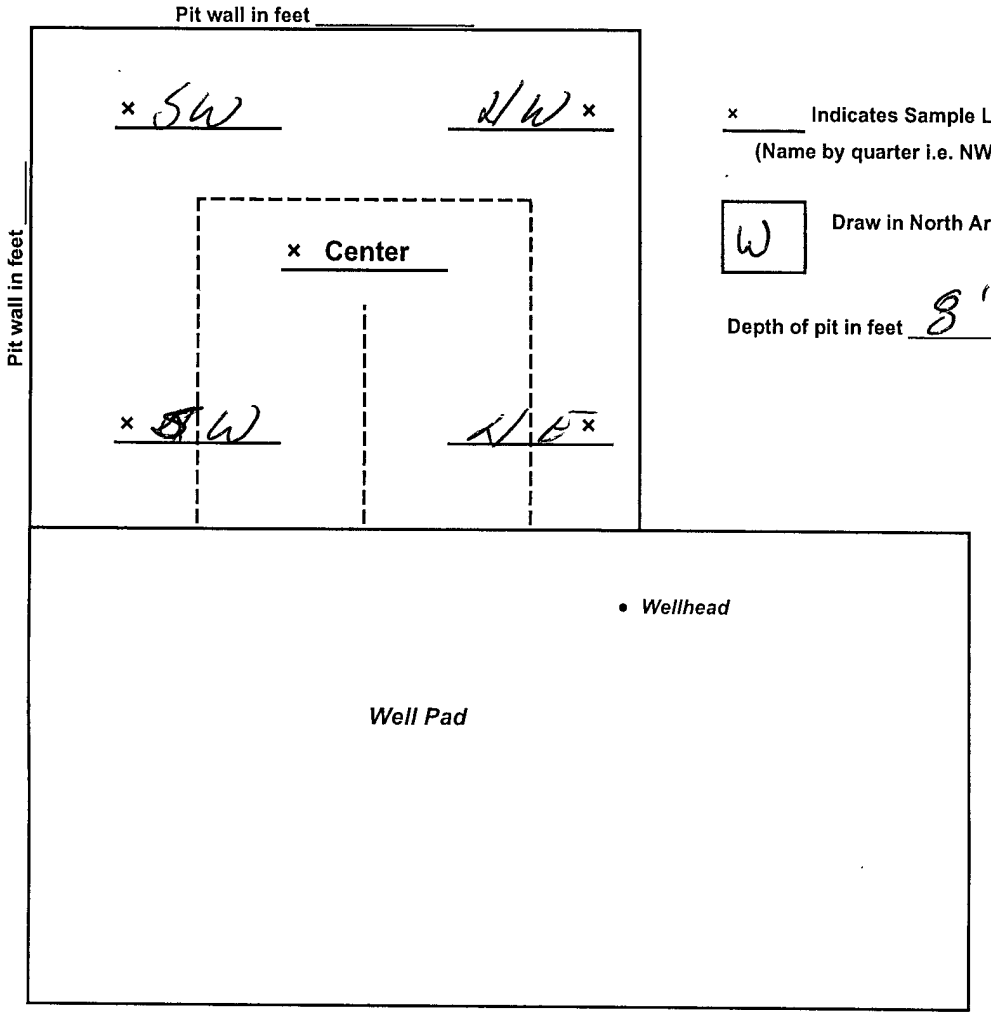
Sample: 148734 - SW 5'

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

Sample: 148735 - Center 5'

Param	Flag	Result	Units	RL
Chloride		**124**	mg/Kg	2.00

Highlander Environmental Corp.
Pit Sample Location Plat



× _____ Indicates Sample Location
(Name by quarter i.e. NW, NE etc)

W — Draw in North Arrow

Depth of pit in feet 8'

Client: COG Op.

Well Name: McFad #14

API# 30-025-39551

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Form C-144
June 1, 2004

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Pit or Below-Grade Tank Registration or Closure

DEC 5 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: 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: MC Federal #13 API #: 30-025-38551 U/L or Qtr/Qtr: H Sec: 21 T: 17S R: 32E

County: Lea Latitude: 32.822273° N Longitude: 103.765559° W NAD: 1927 ☒ 1983 ☐

Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐
Liner type: Synthetic ☒ Thickness: 12 mil Clay ☐
Pit Volume: 5000 bbl

Below-grade tank

Volume: ____ bbl Type of fluid: ____
Construction material: ____
Double-walled, with leak detection? Yes ☐ 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)
	Ranking Score (Total Points)	**0 points**

DEC 2007 Received Hobbs OCD

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 your 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 NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Date: 12/05/07

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

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: Chris Johnson ENVIRONMENTAL ENGINEER Date: 12-17-07

Gary Miller

From: Williams, Chris, EMNRD [chris.williams@state.nm.us]
Sent: Tuesday, January 22, 2008 3:02 PM
To: Gary Miller
Subject: RE: COG MC Fed #13
Attachments: image001.png; oledata.mso

Go ahead and close the pit. Send a copy of all the final lab reports.

Chris Williams
NMOCD District1 Supervisor

From: Gary Miller [mailto:gmiller@hec-enviro.com]
Sent: Tuesday, January 22, 2008 1:28 PM
To: Williams, Chris, EMNRD
Subject: COG MC Fed #13

Chris, we dug out all of the soils that had levels of 250 mg/kg or greater chlorides and used it to stiffen the drill cuttings in the burial trench. No levels of 250 or higher were left in the pit. If this meets with you approval to close the pit and file a C-144 when the final lab data comes in.
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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