

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: 432-685-4332

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 # 18

API #: 30-025-38728

U/L or Qtr/Qtr: A Sec 21 T 17S R 32E

County Lea

Latitude: 32 826345 N

Longitude: 103 766050 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: 25,000 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.) 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 approval to close by Larry Johnson received on 6-18-2008

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 6-28-2008

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.

8.21.08

Pit Closure Sampling Report

3107

Date: 6-17-08

C09 Operating LLC

MC Fed. #18

Lea Co. NM

30-025-38728

6.

150'

Orientation of pit N S E W

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 SW NW x

x Center

x SE NE x

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

➔ Draw in North Arrow

Depth of pit in feet 8

• Wellhead

Well Pad

Client. MC Federal #18

Well Name: POB Oper.

API# 30-025-30728

Report Date: June 26, 2008
3107

Work Order: 8062016
MC Fed. #18

Page Number: 1 of 2

Summary Report

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

Report Date: June 26, 2008

Work Order: 8062016



Project Name: MC Fed. #18
Project Number: 3107

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
164173	NE 2'	soil	2008-06-17	00:00	2008-06-20
164174	NW 2'	soil	2008-06-17	00:00	2008-06-20
164175	SE 2'	soil	2008-06-17	00:00	2008-06-20
164176	SW 2'	soil	2008-06-17	00:00	2008-06-20
164177	C 2'	soil	2008-06-17	00:00	2008-06-20

Sample: 164173 - NE 2'

Param	Flag	Result	Units	RL
Chloride		334	mg/Kg	2.00

Sample: 164174 - NW 2'

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

Sample: 164175 - SE 2'

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

Sample: 164176 - SW 2'

Report Date: June 26, 2008
3107

Work Order: 8062016
MC Fed. #18

Page Number: 2 of 2

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

Sample: 164177 - C 2'

Param	Flag	Result	Units	RL
Chloride		420	mg/Kg	2.00

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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 #18 API #: 30-025-38728 U/L or Qtr/Qtr A Sec 21 T 17S R 32E		
County Lea Latitude 32.826345° N Longitude 103.766050° W NAD 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input 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 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'	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 7/100
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, playans, 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

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 **04/17/08**

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

Signature 

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Approval

Printed Name/Title

Signature 

ENVIRON

ENGINEER

Date **5-29-08**

Job # 3107

Robert M.

From: L W Johnson [lwj2177@hotmail.com]
Sent: Wednesday, June 18, 2008 11:21 PM
To: Robert M.
Subject: RE: COG Operating LLC - MC Federal #18 Pit Closure - Field Sampling Results

Robert,
Close the pit @ your convenience.
Larry

From: rmcneill@hec-enviro.com
To: lwj2177@hotmail.com
Subject: FW: COG Operating LLC - MC Federal #18 Pit Closure - Field Sampling Results
Date: Wed, 18 Jun 2008 08:55:33 -0500

From: Robert M. [mailto:rmcneill@hec-enviro.com]
Sent: Wednesday, June 18, 2008 8:11 AM
To: 'Johnson, Larry, EMNRD'
Subject: COG Operating LLC - MC Federal #18 Pit Closure - Field Sampling Results

Hello Mr. Johnson,

Attached is the field chloride sampling results for the drilling pit closure on the MC Federal #18 well operated by COG Operating LLC.
We recommend closing this pit since the chlorides have been delineated. If you concur – let us know via return e-mail. If not, please give me a call at (432) 682-4559 to discuss. Thanks for you help.

Robert McNeill

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