

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

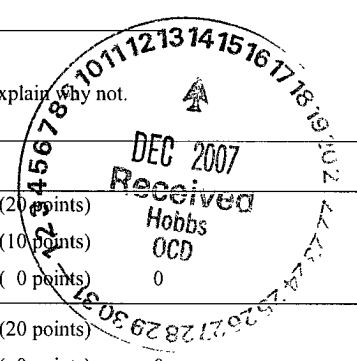
Pit or Below-Grade Tank Registration or Closure

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: M C Federal #11 API #: 30-025-38387 U/L or Qtr/Qtr: J Sec. 21 T: 17S R: 32E
County: Lea Latitude: 32.819515 deg. N Longitude: 103.769526 deg. 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: 30,000 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.) 110'	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more - X (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 - X (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 - X (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 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 by Larry Johnson on 11-30-07.

The elevated chlorides soils were excavated from the NW corner down to 25' and at NE corner to 5'. The excavated soil was placed inside the lined burial trench

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 12-04-2007

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: 12.11.07

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W Grand Ave., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
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1220 S St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

3188

WELL API NO. 30-025-38387
5. Indicate Type of Lease FEDERAL STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name M C FEDERAL
8. Well Number 11
9. OGRID Number 229137
10. Pool name or Wildcat MALJAMAR; PADDOCK

Pit or Below-grade Tank Application ☐ or Closure ☒
Pit type Drilling Depth to Groundwater 110' 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

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 ☐

2. Name of Operator
COG Operating LLC

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

4. Well Location
Unit Letter J : 2460' feet from the South line and 2210' feet from the East line
Section 22 Township 17S Range 32E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4049' GR

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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	OTHER: <input type="checkbox"/>
MULTIPLE COMPL <input type="checkbox"/>	
OTHER: Pit closure <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 NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kanicia Carrillo TITLE Regulatory Analyst DATE 07-17-07

Type or print name **Kanicia Carrillo** E-mail address: **kcarrillo@conchoresources.com** Telephone No. **432-685-4332**

For State Use Only

APPROVED BY: Larry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUL 26 2007

Conditions of Approval (if any)

Pit Closure Sampling Report

3186

COG Oper LLC

Ne Fed 11

30-025-38387

81

1

Orientation of pit N S E W

[illegible]

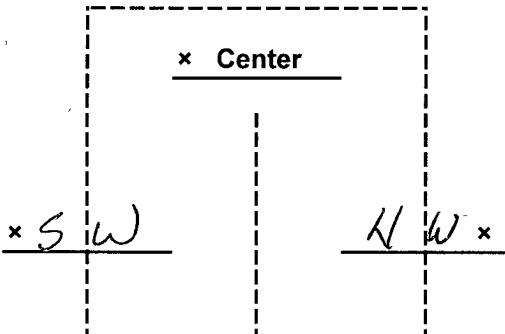
BPB- Below Pit Bottom

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x SE 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: OB Oper, LLC
Well Name: MC Fed 11
API# 30-025-38389

Summary Report

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

Report Date: November 30, 2007

Work Order: 7112832



Project Location: Eddy County, NM
Project Name: COG-MC Fed. #11
Project Number: 3186

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
143843	NE 5'	soil	2007-11-27	00:00	2007-11-28
143844	NW 20'	soil	2007-11-27	00:00	2007-11-28
143845	SE 2'	soil	2007-11-27	00:00	2007-11-28
143846	SW 2'	soil	2007-11-27	00:00	2007-11-28
143847	Center 2'	soil	2007-11-27	00:00	2007-11-28

Sample: 143843 - NE 5'

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

Sample: 143844 - NW 20'

Param	Flag	Result	Units	RL
Chloride		883	mg/Kg	2.00

Sample: 143845 - SE 2'

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

Sample: 143846 - SW 2'

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

Sample: 143847 - Center 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: November 30, 2007
3186

Work Order: 7112832
COG-MC Fed. #11

Page Number: 2 of 2
Eddy County, NM

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

Summary Report

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

Report Date: November 30, 2007

Work Order: 7113023



Project Location: Lea County, NM
Project Name: COG/MC Fed. #11
Project Number: 3186

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
144101	NW 30.0'	soil	2007-11-29	00:00	2007-11-30

Sample: 144101 - NW 30.0'

Param	Flag	Result	Units	RL
Chloride		144	mg/Kg	2.00