

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**

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: B C Federal #14 API #: 30-025-38366 U/L or Qtr/Qtr. F Sec: 20 T: 17S R: 32E  
County: Lea Latitude: 32.822758 deg. N Longitude: 103.790121 deg. 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: 30,000 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.) 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)

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)

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)

**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 on verbal approval by Larry Johnson on 11-07-07.

Due to lack of space at well location. Burial trench was dug inside pit at NW-SW side and lined with a 12 mil liner. Pit contents were placed inside lined 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: 11-14-2007

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: 11.27.07

Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
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87505

State of New Mexico  
Energy, Minerals and Natural Resources

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

3164

Form C-103  
May 27, 2004

WELL API NO.	<b>30-025-38366</b>
5. Indicate Type of Lease	<b>FEDERAL</b>
STATE <input type="checkbox"/>	FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	<b>B C FEDERAL</b>
8. Well Number	<b>14</b>
9. OGRID Number	<b>229137</b>
10. Pool name or Wildcat	<b>MALJAMAR; PADDOCK</b>

**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 **F** : **1650'** feet from the **North** line and **2020'** feet from the **West** line  
Section **20** Township **17S** Range **32E** NMPM County **LEA**

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

**3986' GR**

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 **bbbs** Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: **Pit closure**



OTHER: ☐

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 Phyllis Edwards TITLE Regulatory Analyst DATE 7-10-07

Type or print name **Phyllis Edwards** E-mail address: **pedwards@conchoresources.com** Telephone No. **432-685-4340**  
For State Use Only

APPROVED BY: Larry W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER **JUL 16 2007**  
Conditions of Approval (if any):

# Pit Closure Sampling Report

**Client:**

**API#**

## Depth to

150

Orientation of pit    N    S    (E)    W

11-6-07

[illegible]

BPB- Below Pit Bottom

ON 11-7-07, talked w/ Larry Johnson - OCD.  
Put in burial trench SW - NW corner and  
Cap. Also need final report w/ lab  
results,

Highlander Environmental Corp.  
Pit Sample Location Plat

Pit wall in feet \_\_\_\_\_

Pit wall in feet \_\_\_\_\_

x NE SE x

x Center

x NW SW 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 \_\_\_\_\_

Client: COG Operating LLC  
Well Name: B.C. Federal #14  
API# 30-025-38366

## Summary Report

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

Report Date: November 13, 2007

Work Order: 7110736



Project Location: Lea County, NM  
Project Name: COG/BC Federal #14  
Project Number: 3164

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142131	SE 2.0'	soil	2007-11-06	00:00	2007-11-07
142132	SW 2.0'	soil	2007-11-06	00:00	2007-11-07
142133	Center 2.0'	soil	2007-11-06	00:00	2007-11-07

**Sample: 142131 - SE 2.0'**

Param	Flag	Result	Units	RL
Chloride		214	mg/Kg	2.00

(NE)

**Sample: 142132 - SW 2.0'**

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

**Sample: 142133 - Center 2.0'**

Param	Flag	Result	Units	RL
Chloride		107	mg/Kg	2.00

## Summary Report

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

Report Date: November 12, 2007

Work Order: 7103133



Project Location: Lea County, NM  
Project Name: COG-BC Fed #14  
Project Number: 3164

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
141319	Deep Bury Pit SW 20'	soil	2007-10-30	00:00	2007-10-31
141320	Deep Bury Pit NW 20'	soil	2007-10-30	00:00	2007-10-31

**Sample: 141319 - Deep Bury Pit SW 20'**

Param	Flag	Result	Units	RL
Chloride		152	mg/Kg	2.00

**Sample: 141320 - Deep Bury Pit NW 20'**

Param	Flag	Result	Units	RL
Chloride		186	mg/Kg	2.00