

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

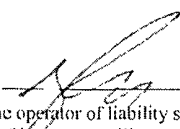
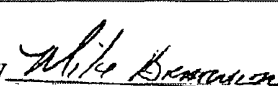
Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

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: kearrillo@conchoresources.com
Address: Fasken Center Tower II, 550 W Texas Ave., Suite 1300, Midland, TX 79701			
Facility or well name: Cheyenne Federal #4		API #: 30-015-35022	U/L or Qtr/Qtr: O Sec. 30 T: 17S R: 29E
County: Eddy		Latitude: 32 800439 deg N	Longitude: 104 1106333 deg W NAD: 1927 <input type="checkbox"/> 1983 <input checked="" 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: 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) 115'	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 on verbal approval by Mike Bratcher on 11-06-07
Dug out SW corner to 20'. Installed liner at SW side and placed excavated soil in the second burial trench inside pit and capped.
Lab and field samples results 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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	
Date 11-14-2007	Signature 
Printed Name/Title: Gary Miller- Agent	
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:	Signed By  Date NOV 26 2007
Printed Name/Title _____	Signature _____

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number:

3213

Client:

COG Operating LLC

Well Name

Cheyenne Federal #4

API#

30-015-35022

Depth of Pit

8'

Depth to

Groundwater

115'

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	760	
	5	140	181
NW	2	100	<100
SE	2	100	<100
SW	2	4640	
	5	4840	
	10	5040	
	15	4800	
	20	4640	
	25	180	205
Center	2	800	
	5	160	195

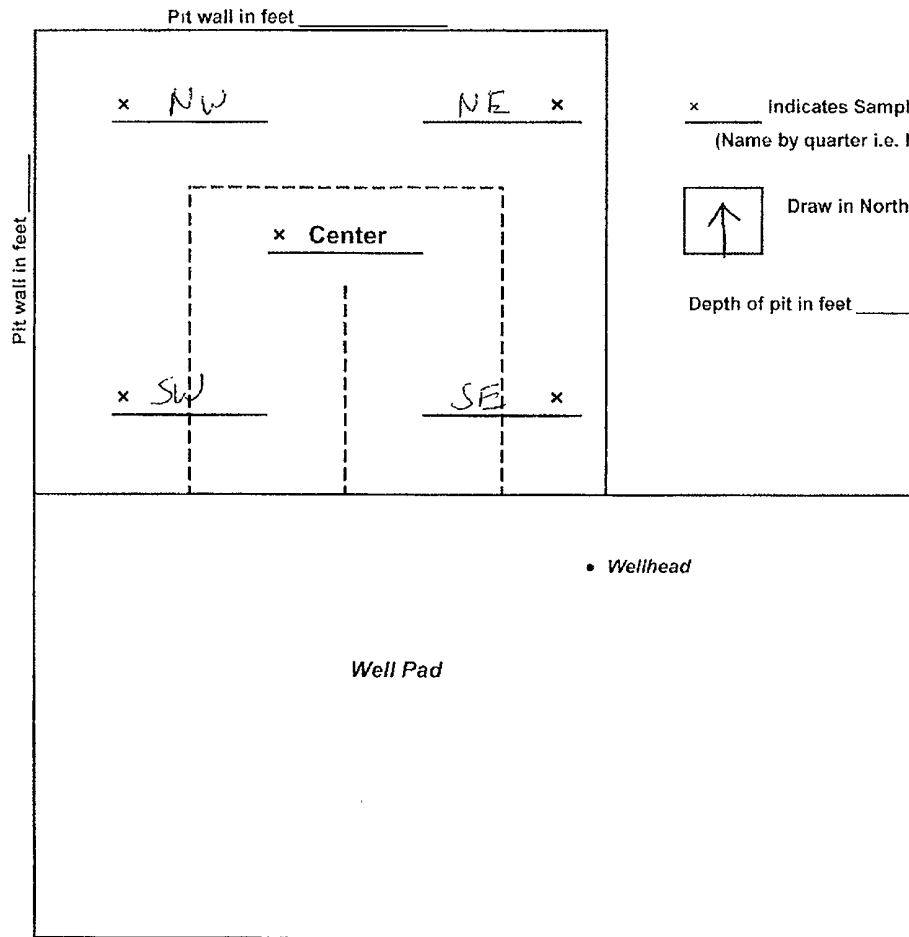
DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

Talked w/ Mike Bratcher on 11-06-07.
Dug out SW corner, get another sample at 25'.
Put in trench at SW corner, install liner,
put soil back in trench and cap.

Highlander Environmental Corp.
Pit Sample Location Plat



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: Cheyenne Federal #4
API# 30-015-35022

Summary Report

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

Report Date: November 13, 2007

Work Order: 7110734



Project Location: Eddy County, NM
Project Name: COG/Cheyenne Fed #4
Project Number: 3213

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
142121	NE 5.0'	soil	2007-11-05	00:00	2007-11-07
142122	NW 2.0'	soil	2007-11-05	00:00	2007-11-07
142123	SE 2.0'	soil	2007-11-05	00:00	2007-11-07
142124	SW 25.0'	soil	2007-11-05	00:00	2007-11-07
142125	Center 5.0'	soil	2007-11-05	00:00	2007-11-07

Sample: 142121 - NE 5.0'

Param	Flag	Result	Units	RL
Chloride		181	mg/Kg	2.00

Sample: 142122 - NW 2.0'

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

Sample: 142123 - SE 2.0'

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

Sample: 142124 - SW 25.0'

Param	Flag	Result	Units	RL
Chloride		205	mg/Kg	2.00

Sample: 142125 - Center 5.0'

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 13, 2007
3213

Work Order: 7110734
COG/Cheyenne Fed #4

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		195	mg/Kg	2.00

Submit 3 Copies To Appropriate District Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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

3213
Form C-103
May 27, 2004

WELL API NO.

30-015-35022

5. Indicate Type of Lease **FEDERAL**
STATE ☐ FEE ☐

6 State Oil & Gas Lease No.
LC-062407

7. Lease Name or Unit Agreement Name

Cheyenne Federal

8. Well Number

4

9. OGRID Number

229137

10. Pool name or Wildcat **96718**
LOCO HILLS; Glorieta Yeso

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

AUG 23 2007

OCD ARTESIA

3. Address of Operator

550 W. Texas Ave., Suite 1300

Midland, TX 79701

4 Well Location

Unit Letter **O** : **790'** feet from the **South** line and **1550'** feet from the **East** line
Section **30** Township **17S** Range **29E** NMPM County **EDDY**

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

3677' GR

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type **DRILLING** Depth to Groundwater **115'** 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 _____

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

52.800439
104.1106333
NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be obtained from pit area and analyses submitted to OCD prior to back-filling.

If burial trench is to be constructed in pit area, samples are to be obtained and analyses submitted to OCD PRIOR to lining trench.

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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kanicia Carrillo TITLE Regulatory Analyst DATE 08-22-07

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

For State Use Only

Signed By Mike Carrillo

AUG 29 2007

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any).