

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: kearnillo@concherosources.com		
Address Fasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701		
Facility or well name: Mesilla State #5	API #: 30-015-35254	U/L or Qtr/Qtr: C Sec 16 T 17S R: 30E
County: Eddy	Latitude: 32.840952 deg. N	Longitude: 103.980224 deg W NAD 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" 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.) 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) 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 Blatcher on 10-29-2007.
Dug out NE corner to 10'. Installed liner at NE side and placed excavated soil back in liner for second burial trench inside pit and capped.
Lab and field sample 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

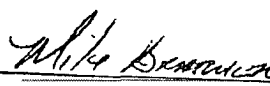
Signature 

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 _____

Signed By 

Date: NOV 26 2007

Pit Closure Sampling Report

Client:

API#

Depth to

Orientation of pit N S E W

[illegible]

BPB- Below Pit Bottom

10-29-07 per Mike Bratzen - ~~dig~~ dig out #10.
on NE side, install liner,
and trench burial inside pit
and cap.

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

x SE SW x

x Center

x NE NW x

Draw in North Arrow

Depth of pit in feet _____

Wellhead

Well Pad

additional
→ trench build

Pit wall in feet

Client: COG Operating LLC
Well Name: Mesilla State #5
API# 30-015-35254

Summary Report

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

Report Date: November 12, 2007

Work Order: 7103135



Project Location: Eddy County, NM
Project Name: COG-Mesilla State #5
Project Number: 3185

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
141326	NE 15'	soil	2007-10-29	00:00	2007-10-31
141327	NW 2'	soil	2007-10-29	00:00	2007-10-31
141328	SE 5'	soil	2007-10-29	00:00	2007-10-31
141329	SW 2'	soil	2007-10-29	00:00	2007-10-31
141330	Center 15'	soil	2007-10-29	00:00	2007-10-31

Sample: 141326 - NE 15'

Param	Flag	Result	Units	RL
Chloride		124	mg/Kg	2.00

Sample: 141327 - NW 2'

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

Sample: 141328 - SE 5'

Param	Flag	Result	Units	RL
Chloride		124	mg/Kg	2.00

Sample: 141329 - SW 2'

Param	Flag	Result	Units	RL
Chloride		515	mg/Kg	2.00

Sample: 141330 - Center 15'

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 12, 2007
3185

Work Order: 7103135
COG-Mesilla State #5

Page Number: 2 of 2
Eddy County, NM

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

Submit 3 Copies To Appropriate District Office
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

3185

Form C-103
May 27, 2004

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

WELL API NO. 30-015-35254
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

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)		7. Lease Name or Unit Agreement Name Mesilla State
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	AUG 23 2007	8. Well Number 5
2. Name of Operator COG Operating LLC	OCD-ARTESIA	9. OGRID Number 229137
3. Address of Operator 550 W. Texas Ave., Suite 1300	Midland, TX 79701	10. Pool name or Wildcat Loco Hills: Paddock 96718
4. Well Location Unit Letter C : 330' feet from the North line and 1650' feet from the West line Section 16 Township 17S Range 30E NMPM County EDDY		
11. Elevation (Show whether DR, RKB, RT, GR, etc) 3686' GR		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input checked="" type="checkbox"/>		
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		

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.

32,840,952
103,980,224

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 8-15-07

Type or print name **Kanicia Carrillo** E-mail address: **pedwards@conchoresources.com** Telephone No. **432-685-4332**
For State Use Only

APPROVED BY: Signed By Mike Demmon TIT
Conditions of Approval (if any): If burial trench is to be constructed in pit area, samples are to be obtained and analyses submitted to OCD

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.

DATE **AUG 23 2007**

(E)