

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) 685-4340 e-mail address: PLedwards@conchoresources.com
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701
Facility or well name: Harper State #9 API #: 30-015-34869 U/L or Qtr/Qtr: 1 Sec: 16 T-17-S R-30-E
County: Eddy Latitude: 32.833366N Longitude: 103.96951W NAD: 1927 X 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit	Below-grade tank
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: 3,000 bbl	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 (20 points) 50 feet or more, but less than 100 feet (10 points) 0 100 feet or more (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 (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 (0 points) 0
Ranking Score (Total Points) 0	

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.

Additional Comments
Closed by trench burial, procedure attached, on 9-28-2007, on verbal approval by Mike Bratcher.
Lab and field sample results are attached.
Excavated down 15' in back half of center section of pit, lined the excavation and used for new burial trench in pit and placed soils back in liner.
cap with 20 mil and backfill pit.

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

Date: 10-16-07

Printed Name/Title: Gary Miller, Agent

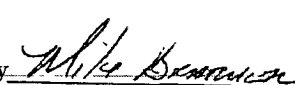
Signature: 

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

3157

106

Harper State #4

30-015-34869

10

150

Orientation of pit N S E W

All pit sample depths are *below pit bottom* (BPB)

[illegible]

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

Mr. Bratcher 9-28-07
Dug out Center Section to 15' into Trench.
& Flare excavated Soil in lined New Burial
Trench) in Center Section, Copied 20 mil & Back t. 11.

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x NW

x NE

x Center

x SW

x SE

• Wellhead

Well Pad

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

↑ Draw in North Arrow

Depth of pit in feet 10

Excavated 5' from this corner & placed in Trench

Client: COG Operating LLC
Well Name: Harper State #9
API# 30-015-34869

Report Date: October 9, 2007
3157

Work Order: 7100112
COG/Harper State #9

Page Number: 1 of 2
Eddy County, NM

Summary Report

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

Report Date: October 9, 2007

Work Order: 7100112



Project Location: Eddy County, NM
Project Name: COG/Harper State #9
Project Number: 3157

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137980	Northeast 2.0'	soil	2007-09-27	00:00	2007-10-01
137981	Northwest 2.0'	soil	2007-09-27	00:00	2007-10-01
137982	Southeast 2.0'	soil	2007-09-27	00:00	2007-10-01
137983	Southwest 2.0'	soil	2007-09-27	00:00	2007-10-01
137984	Center 20.0'	soil	2007-09-27	00:00	2007-10-01

Sample: 137980 - Northeast 2.0'

Param	Flag	Result	Units	RL
Chloride		100	mg/Kg	2.00

Sample: 137981 - Northwest 2.0'

Param	Flag	Result	Units	RL
Chloride		134	mg/Kg	2.00

Sample: 137982 - Southeast 2.0'

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

Sample: 137983 - Southwest 2.0'

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

Sample: 137984 - Center 20.0'

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: October 9, 2007
3157

Work Order: 7100112
COG/Harper State #9

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		191	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

Form C-103
May 27, 2004

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



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.)		WELL API NO. 30-015-34869
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701		7. Lease Name or Unit Agreement Name Harper State
4. Well Location Unit Letter <u>I</u> : <u>2310'</u> feet from the <u>South</u> line and <u>330'</u> feet from the <u>East</u> line Section <u>16</u> Township <u>17S</u> Range <u>30E</u> NMPM County <u>EDDY</u>		8. Well Number 9
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3690' GR		9. OGRID Number 229137
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input checked="" type="checkbox"/>		10. Pool name or Wildcat 96718 LOCO HILLS; Glorieta Yeso
Pit type <u>DRILLING</u> Depth to Groundwater <u>150'</u> Distance from nearest fresh water well <u>1000'</u> Distance from nearest surface water <u>1000'</u>		
Pit Liner Thickness: <u>12 mil</u> 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:

32.83366
103.96951

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 Carol Ann

Notify OCD 24 hours prior to beginning

Story Analyst _____ DATE 05-17-2007

Type or print name Carol Ann
For State Use Only

resources.com Telephone No. **432-685-4395**

APPROVED BY: _____
Conditions of Approval (if any):

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back-filling

DATE 5/31/07

Jim W. Green