

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: Pl:edwards@conchoresources.com	
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701					
Facility or well name: Harper State #11		API #: 30-015-34871		U.L. or Qtr/Qtr P Sec 16 T-17-S R-30-E	
County: Eddy		Latitude: 32.82961N		Longitude: 103.96894W	
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		NAID: 1927 X 1983 <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: 5,000 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 50 feet or more, but less than 100 feet 100 feet or more		(20 points) (10 points) 0 (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		(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more		(20 points) (10 points) (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 10-18-2007, on verbal approval by Tim Gium.
NW corner dug out to 8', lined with 12mil plastic and bedded with sand, place excavated soil back in lined trench for second burial trench in pit.
Lab and field sample 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 ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10-31-07

Printed Name/Title: Gary Miller, Agent

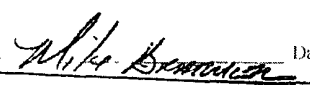
Signature: 

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

DNR- Did not run at lab.
BGS- Below Ground Surface
BPB- Below Pit Bottom

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

x N/E x SE

x Center

x NW x SW

• Wellhead

Well Pad

Depth of pit in feet _____

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

Draw in North Arrow

Pit wall in feet

Client: POG Oper.

Well Name: Hager State #11

API# 30-015-34871

Summary Report

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

Report Date: October 26, 2007

Work Order: 7101915



Project Location: Eddy County, NM
Project Name: COG/Harper State #11
Project Number: 3169

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
139614	NE 2'	soil	2007-10-18	00:00	2007-10-19
139615	NW 10'	soil	2007-10-18	00:00	2007-10-19
139616	SE 2'	soil	2007-10-18	00:00	2007-10-19
139617	SW 2'	soil	2007-10-18	00:00	2007-10-19
139618	Center 2'	soil	2007-10-18	00:00	2007-10-19
139619	Fresh water Pit Center 2'	soil	2007-10-18	00:00	2007-10-19

Sample: 139614 - NE 2'

Param	Flag	Result	Units	RL
Chloride		346	mg/Kg	2.00

Sample: 139615 - NW 10'

Param	Flag	Result	Units	RL
Chloride		251	mg/Kg	2.00

Sample: 139616 - SE 2'

Param	Flag	Result	Units	RL
Chloride		136	mg/Kg	2.00

Sample: 139617 - SW 2'

Param	Flag	Result	Units	RL
Chloride		322	mg/Kg	2.00

Report Date: October 26, 2007
3169

Work Order: 7101915
COG/Harper State #11

Page Number: 2 of 2
Eddy County, NM

Sample: 139618 - Center 2'

Param	Flag	Result	Units	RL
Chloride		256	mg/Kg	2.00

Sample: 139619 - Fresh water Pit Center 2'

Param	Flag	Result	Units	RL
Chloride		240	mg/Kg	2.00

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Energy, Minerals and Natural Resources

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-015-34871

Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
HARPER STATE

8. Well Number 011

9. OGRID Number
299137

10. Pool name or Wildcat
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

3. Address of Operator

550 W. Texas Ave., Suite 1300 Midland, TX 79701

Well Location

Unit Letter P : 865 feet from the South line and 330 feet from the East line
Section 16 Township 17S Range 30E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3680' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ 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 ☐

OTHER: Close pit ☒

SUBSEQUENT REPORT OF:

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

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:

H 32.82961
W 103.92894

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.

Notify OCD 24 hours prior to beginning pit closure.

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

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 A. Edwards TITLE Regulatory Analyst DATE 6/1/07

Type or print name Phyllis A. Edwards E-mail address: pedwards@conchoresources.com Telephone No. 432-685-4340

For State Use Only

APPROVED BY: Jim W. Egan TITLE District II Supervisor DATE 4/7/07

Conditions of Approval (if any):