

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 #10		API #: 30-015-34870		UL or Qtr/Qtr: I Sec 16 T-17-S R-30-I	
County: Eddy		Latitude: 32 831857N		Longitude: 103 971671W NAD, 1927 X 1983 <input type="checkbox"/>	
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>					
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
Removed 9" of soil from bottom of NW corner of pit after sampling and placed in burial trench

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

Mike Bratcher

NOV 26 2007

Highlander Environmental Corp.
Pit Closure Sampling Report

Job Number:

Client:

Well Name

API#

Depth of Pit

Depth to

Groundwater

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

Ok to Close w/ soil Removal Permit (NW)
Down to 250, ~~25~~ & Close M. Bratcher 9-28-09

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____


Pit wall in feet _____

x SE x SW

x Center

x NE x NW

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

 Draw in North Arrow

Depth of pit in feet _____

Excavated 5-7' in this Area - Put in Trench

• Wellhead

Well Pad

Client: POG Operating, LLC

Well Name: Hager State #10

API# 30-015-34870

Summary Report

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

Report Date: October 5, 2007

Work Order: 7100113



Project Location: Eddy County, NM
Project Name: COG/Harper State #10
Project Number: 3162

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137985	Northwest 10.0'	soil	2007-09-27	00:00	2007-10-01
137986	Northeast 2.0'	soil	2007-09-27	00:00	2007-10-01
137987	Southwest 2.0'	soil	2007-09-27	00:00	2007-10-01
137988	Southeast 2.0'	soil	2007-09-27	00:00	2007-10-01
137989	Center 2.0'	soil	2007-09-27	00:00	2007-10-01

Sample: 137985 - Northwest 10.0'

Param	Flag	Result	Units	RL
Chloride		115	mg/Kg	2.00

Sample: 137986 - Northeast 2.0'

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

Sample: 137987 - Southwest 2.0'

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

Sample: 137988 - Southeast 2.0'

Param	Flag	Result	Units	RL
Chloride		156	mg/Kg	2.00

Sample: 137989 - Center 2.0'

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 5, 2007
3162

Work Order: 7100113
COG/Harper State #10

Page Number: 2 of 2
Eddy County, NM

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

AUG-14-07 01:47PM FROM-CONCHO
1023 W. 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

+4326854399

T-479 P.02/03 F-676

May 27, 200

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

WELL API NO.

30-015-34870

Indicate Type of Lease

STATE ☒

FEE ☐

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.)

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

7. Lease Name or Unit Agreement Name

HARPER STATE

8. Well Number

010

9. OGRID Number

299137

10. Pool name or Wildcat

Loco Hills; Glorieta Yeso

Well Location

Unit Letter I : 1650 feet from the South line and 990 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 ☐ For 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 ☐

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.

322031857
103.971671

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

SIGNATURE

Phyllis A. Edwards

Regulatory Analyst

DATE 6/12/07

Type or print name Phyllis A. Edwards

E-mail address: pedwards@conchoresources.com Telephone No. 432-685-4340

For State Use Only

APPROVED BY:

Signed By

Mike Brannon

DATE AUG 21 2007

Conditions of Approval (if any):

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.

(2)