

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1501 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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to
appropriate NMOC'D 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:	PIEdwards@conchoresources.com
Address	550 West Texas Ave., Suite 1300, Midland, Texas 79701				
Facility or well name:	Harper State #6	API #:	30-015-34867	UL or Qtr/Qtr	K Sec 16 T-17-S R-30-1'
County:	Eddy	Latitude	32.831871N	Longitude	103.980212W NAID 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 9-20-2007, on verbal approval by Mike Bratcher
Lab and field sample results are attached
Removed additional 5' of material from center section of pit and placed in burial trench after field sampling

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 NMOC'D guidelines X, a general permit ☐, or an (attached) alternative OC'D-approved plan ☐.

Date 10-16-07

Printed Name/Title Gary Miller, Agent

Signature _____

Your certification and NMOC'D 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 *M. Bratcher*

Date

NOV 26 2007

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number:

Client:

Well Name

API#

Depth of Pit

Location and Depth of Background sample

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

[illegible]

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

Approved by Mike Bratcher on 9-20-07.
To remove 5' of soil from center section
Place in Burial Trench & close Pit.
C. Miller

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x NW x NE

x Center

Depth of pit in feet 9'

x SW x SE

• Wellhead

Well Pad

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



Draw in North Arrow

Client. POG

Well Name: Harper State #6

API# 30-015-34867

Summary Report

Ike Tavaraz
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: October 4, 2007

Work Order: 7092712



Project Location: Eddy County, NM
Project Name: COG/Harper State #6
Project Number: 3154

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137539	NE 2'	soil	2007-09-20	00:00	2007-09-26
137540	NW 2'	soil	2007-09-20	00:00	2007-09-26
137541	Center 5'	soil	2007-09-20	00:00	2007-09-26
137542	SE 5'	soil	2007-09-20	00:00	2007-09-26
137543	SW 5'	soil	2007-09-20	00:00	2007-09-26

Sample: 137539 - NE 2'

Param	Flag	Result	Units	RL
Chloride		206	mg/Kg	2.00

Sample: 137540 - NW 2'

Param	Flag	Result	Units	RL
Chloride		174	mg/Kg	2.00

Sample: 137541 - Center 5'

Param	Flag	Result	Units	RL
Chloride		241	mg/Kg	2.00

Sample: 137542 - SE 5'

Param	Flag	Result	Units	RL
Chloride		304	mg/Kg	2.00

Sample: 137543 - SW 5'

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 4, 2007
3154

Work Order: 7092712
COG/Harper State #6

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		255	mg/Kg	2.00

Off:
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87505

Energy, Minerals and Natural Resources

May 27, 2004

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

WELL API NO. 30-015-34867
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name HARPER STATE
8. Well Number 006
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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>
2. Name of Operator COG Operating LLC
3. Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701

Well Location
Unit Letter **K** : **1650** feet from the **South** 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.)
3670' 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: **Pit closure** ☒

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:

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 5/2/07

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. Edwards DATE 5/1/07
Conditions of Approval (if any):