

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

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 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: PEidwards@conchoresources.com
Address 550 West Texas Ave., Suite 1300, Midland, Texas 79701
Facility or well name: Harper State #14 API # 30-015-36117 U/L or Qn/Qtr K Sec 16 1-17-S R-30-L
County: Eddy Latitude 32.833101N Longitude 103.979293W NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

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) 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 4-4-2007, on email approval by Mike Bratcher
Pit bottom was lined with 20 mil plastic bedded with sand and closed as noted on the attached email
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: 4-11-07

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

Accepted for record
NMOCD

Date:

APR 21 2008

1012

Highlander Environmental Corp. Pit Closure Sampling Report

Job Number: 3458 Date: 4-1-08
 Client: COB Corp
 Well Name: Harper State #14
 API#: 30-015-36119
 Depth of Pit: 8'
 Depth to Groundwater: 150' 275' Orientation of pit N S (E) W

All pit sample depths are below pit bottom (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2	1120	
	5	2960	
	10	3050	
	15	3560	
	20	5098	
	25	2250	
	30	1150	
	35	2950	
	40	3550	3580
NW	2	900	
	5	830	
	10	1600	
	15	2600	
	20	2200	
	25	1400	
	30	1550	
	35	2050	2380
SE	2	1760	
	5	2040	
	10	1000	
	15	960	
	20	1200	
	25	250	394

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

Highlander Environmental Corp.

Pit Closure Sampling Report

Job Number:

3458

Date:

4-1-08

Client:

FOG Corp

Well Name

Harper State #14

API#

30-015-36117

Depth of Pit

2

Depth to

150' 225'

Orientation of pit N S E W

Groundwater

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

[illegible]

DNR- Did not run at lab

BGS- Below Ground Surface

BPB- Below Pit Bottom

Summary Report

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

Report Date: April 7, 2008

Work Order: 8040344



Project Location: Eddy County, NM
Project Name: COG-Harper State #14
Project Number: 3453

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
155685	SE-25	soil	2008-04-01	00:00	2008-04-03
155686	SW-20	soil	2008-04-01	00:00	2008-04-03
155687	C-2	soil	2008-04-01	00:00	2008-04-03

Sample: 155685 - SE-25

Param	Flag	Result	Units	RL
Chloride		394	mg/Kg	2.00

Sample: 155686 - SW-20

Param	Flag	Result	Units	RL
Chloride		505	mg/Kg	2.00

Sample: 155687 - C-2

Param	Flag	Result	Units	RL
Chloride		168	mg/Kg	2.00

Report Date: April 10, 2008
3453

Work Order: 8040816
COG-Harper State #14

Page Number: 1 of 1
Eddy County, NM

Summary Report

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

Report Date: April 10, 2008

Work Order: 8040816



Project Location: Eddy County, NM
Project Name: COG-Harper State #14
Project Number: 3453

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
156015	NE-40	soil	2008-03-31	00:00	2008-04-08
156016	NW-35	soil	2008-03-31	00:00	2008-04-08

Sample: 156015 - NE-40

Param	Flag	Result	Units	RL
Chloride		3980	mg/Kg	2.00

Sample: 156016 - NW-35

Param	Flag	Result	Units	RL
Chloride		2380	mg/Kg	2.00

Gary Miller

From: Bratcher, Mike, EMNRD [mike.bratcher@state.nm.us]
Sent: Friday, April 04, 2008 4:41 PM
To: Gary Miller, Pat Ellis
Subject: RE: COG Harper State #14

Gary,

This closure is approved

Mike Bratcher
NMOCD District II
Office (575)748-1283x108
Cell (575)626-0857

From: Gary Miller [mailto:gmill@hec-enviro.com]
Sent: Wednesday, April 02, 2008 10:03 AM
To: Bratcher, Mike, EMNRD; Pat Ellis
Subject: COG Harper State #14

Mike, this is the site we just talked about that you stated the GW is 250 to 300' feet. Please review and if possible, I would like to level and cap the entire pit with 20 mil and close. Thanks.

Gary E. Miller
Highlander Environmental Corp.
1910 N. Big Spring
Midland, Texas 79705

432-682-4559 office
432-557-4681 cell
432-682-3946 fax

This inbound email has been scanned by the MessageLabs Email Security System.

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

4/11/2008