

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
S 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

Month - Year
MAY 8 2007
OCD - ALBUQUERQUE, NM

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: pedwards@conchoresources.com
Address: Fasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701
Facility or well name: Blue Thunder 5 Federal Com. #1 API #: 30-015-34991 U/L or Qtr/Qtr: H Sec: 5 T: 19S R: 31E
County: Eddy Latitude: N 32° 41' 28" Longitude: W 103° 53' 05" NAD: 1927 ☐ 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: 35,000 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.) greater than 100'	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more - X	(20 points) (10 points) (0 points) 0
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 - X	(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 - X	(20 points) (10 points) (0 points) 0
	Ranking Score (Total Points)	0 points

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: Pit Closure Plan attached

Accepted for
NMOCD

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

4/10/07

V.P. Highlander

Printed Name/Title

Tim Reed (Agent for COG)

Signature

Tim Reed

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

W. B. Brannon

Date: 5/9/07

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

Report Date: July 8, 2007
3043

Work Order: 7062925
COG/ Blue Thunder 5 Fed Com #1

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: July 8, 2007

Work Order: 7062925



Project Location: Eddy County, NM
Project Name: COG/ Blue Thunder 5 Fed Com #1
Project Number: 3043

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128869	North East 2'	soil	2007-06-27	00:00	2007-06-29
128870	North West 10'	soil	2007-06-27	00:00	2007-06-29
128871	Center 20'	soil	2007-06-27	00:00	2007-06-29
128872	South East 20'	soil	2007-06-27	00:00	2007-06-29
128873	South West 20'	soil	2007-06-27	00:00	2007-06-29
128874	Background 3'	soil	2007-06-27	00:00	2007-06-29

Sample: 128869 - North East 2'

Param	Flag	Result	Units	RL
Chloride		155	mg/Kg	2.00

Sample: 128870 - North West 10'

Param	Flag	Result	Units	RL
Chloride		253	mg/Kg	2.00

Sample: 128871 - Center 20'

Param	Flag	Result	Units	RL
Chloride		124	mg/Kg	2.00

Sample: 128872 - South East 20'

Param	Flag	Result	Units	RL
Chloride		281	mg/Kg	2.00

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Eddy County, NM

Sample: 128873 - South West 20'

Param	Flag	Result	Units	RL
Chloride		160	mg/Kg	2.00

Sample: 128874 - Background 3'

Param	Flag	Result	Units	RL
Chloride		59.6	mg/Kg	2.00

Job Number:

3043

Client:

SWEATH (COL)

Well Name

BLUE THUNDER 5 FED COM #1

API#

30 015-34991

Depth of Pit

7'

Location and

Depth of

Background
sample

All pit sample depths are below pit bottom (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (ppm)	Lab Chloride Results (ppm)
SOUTH EAST Corner	2'	5,360	
"	5'	4,480	
"	10'	2,040	
"	15'	2,160	
"	20'	560	281
NORTH EAST Corner	2'	240	155
CENTER	2'	15,200	
"	5'	2,520	
"	10'	12,160	
"	15'	760	
"	20'	240	124
NORTH WEST Corner	2'	4,560	
"	5'	3,440	
"	10'	240	253
NW	NW	-	-
NW	NW	-	-
SOUTH WEST Corner	2'	840	
"	5'	420	
"	10'	1,800	
"	15'	320	
"	20'	240	160
BACKGROUND	3'	80	59.3

DNR- Did not run at lab.

BGS- Below Ground Surface

BPB- Below Pit Bottom

Bg

Pit Sample Location Plat

Pit wall in feet 60'

NW

32.69167 32.69177

103.88573 103.88529

x x

NE

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

Draw in North Arrow

Pit wall in feet 120'

32.69174 32.69174

103.88531 103.88531

x x

Center

Depth of pit in feet 7'

SW

32.69136 32.69136

103.88568 103.88521

SE

150'

Wellhead

Well Pad

Client: SWEATT (UNIT Petro)

Well Name: BLUE THUNDER 5 FED Com #1

API# 30-015-34991

Bratcher, Mike, EMNRD

From: Gary Miller [gmiller@hec-enviro.com]
Sent: Monday, July 09, 2007 9:30 AM
To: Bratcher, Mike, EMNRD
Cc: DKuykendall@conchoresources.com; ENelson@conchoresources.com;
pedwards@conchoresources.com; gwilkes@conchoresources.com
Subject: Blue Thunder 5 Fed Com #1 Final Pit Closure Doc
Attachments: Blue Thunder 5 Fed Com #1 Final Pit Closure Report.pdf

Mike, the attached is the final lab and field test data for the Blue Thunder. As we talked in the past, the attached C-144 with the date of closure as well as the lab and field data is all you require for final paper work on the site. If you need any additional data please call. 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.

7/9/2007