

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1361 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 NMOC District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

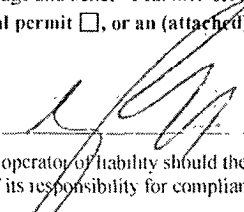
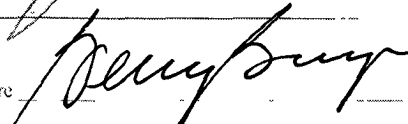
Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

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: PEdwards@conchoresources.com	
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701					
Facility or well name: State S-19 #31		API #: 30-015-35242		UL or Qtr/Qtr L Sec 19 T-17-S R-29-E	
County: Eddy		Latitude: 32.8174053N		Longitude: 104.120387W NAD: 1927 X 1983 <input type="checkbox"/>	
Surface Owner: Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input 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.) 115'			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 9-27-2007, on verbal approval by Mike Bratcher.
Lab and field sample results are attached.
Removed all loose material, level bottom of pit area, and pad with sand and lay 20 mil plastic cap due to elevated chlorides in most of pit bottom that could not be removed due to hard rock conditions, backfill and re-contour pit area.

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 guidelines X, a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	
Date: 10-16-07	
Printed Name/Title: Gary Miller, Agent	Signature: 
Your certification and NMOC 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: Gerry Guye Printed Name/Title: Compliance Officer	Signature:  Date: NOV 1 2007

RM

Highlander Environmental Corp. Pit Closure Sampling Report

Job Number: 3156
 Client: COG
 Well Name: Slur 5-19 1/2
 API#: 30-015-35242
 Depth of Pit: 10' 32 81753 104 12076
 Location and Depth of Background sample: G.W. 115'

All pit sample depths are below pit bottom (BPB)

Sample Location	Depth (BPB)	Field Chloride Results (ppm)	Lab Chloride Results (ppm)
NE	2'	2560	
	5'	1600	
Referral	10'	2400	2110
NW	2'	6080	
	5'	320	
Referral	10'	300	339
SE	2'	320	
	5'	120	140
SW	2'	5600	
Referral	5'	2080	1300
center	2'	9440	
	5'	4480	
Referral	10'	1240	1100

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

Remove loose material, Level Pit Bottom, Pad w/ Sand for Cap
 1' Clay Plastic Back 1/11-
 Mike Butcher 9-27-07

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet 130

Pit wall in feet 85

x SW

x NW

x Center

Depth of pit in feet _____

x SE

x NE

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



Draw In North Arrow

• Wellhead

Well Pad

Client: COG

Well Name: S-10-16 S-19 H-31

API# 30-015-35242

Report Date: October 9, 2007
3156

Work Order: 7092718
COG/ State S-19 #31

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: October 9, 2007

Work Order: 7092718



Project Location: Eddy County, NM
Project Name: COG/ State S-19 #31
Project Number: 3156

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
137560	NE-10'	soil	2007-09-24	00:00	2007-09-26
137561	NW-10'	soil	2007-09-24	00:00	2007-09-26
137562	SE-5'	soil	2007-09-24	00:00	2007-09-26
137563	SW-5'	soil	2007-09-24	00:00	2007-09-26
137564	Center-10'	soil	2007-09-24	00:00	2007-09-26

Sample: 137560 - NE-10'

Param	Flag	Result	Units	RL
Chloride		2110	mg/Kg	2.00

Sample: 137561 - NW-10'

Param	Flag	Result	Units	RL
Chloride		339	mg/Kg	2.00

Sample: 137562 - SE-5'

Param	Flag	Result	Units	RL
Chloride		140	mg/Kg	2.00

Sample: 137563 - SW-5'

Param	Flag	Result	Units	RL
Chloride		1300	mg/Kg	2.00

Sample: 137564 - Center-10'

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 9, 2007
3156

Work Order: 7092718
COG/ State S-19 #31

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		1100	mg/Kg	2.00