

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: 432-685-4332 e-mail address: kearrillo@conchoresources.com		
Address: Fasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701		
Facility or well name: GJ West Coop Unit #161	API #: 30-015-35651	U/L or Qtr/Qtr: J Sec 16 T: 17S R: 29E
County: Eddy	Latitude: 32.833559 deg. N	Longitude: 104.076140 deg. W NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input checked="" type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
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: 30,000 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.) 110'	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more - X	(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	(20 points)
	No - X	(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 - X	(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.

Closed by trench burial, procedure attached and on verbal approval by Mike Bratcher on 11-05-2007.
Dug out SE corner and Center to 8', dug out SW corner to 18'. Installed liner at SW side and placed excavated soil back in liner for second burial trench inside pit and capped.
Lab and field sample results are 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: 11-14-2007

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

Date NOV 26 2007

Pit Closure Sampling Report

Groundwater

110' Orientation of pit (N) S E W 11-2-0

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	160	197
NW	2	100	336
SE	2	6240	
	5	2080	
	10	200	245
SW	2	9120	
	5	5600	
	10	1840	
	15	720	
	20	560	667
Center	2	7520	
	5	6080	
	10	200	187

BPB- Below Pit Bottom

Dig burial trench inside pit at
SW side to 18', remove contents at SW corner
remove soil at SE corner and center to 8'
~~the~~ Put liner at trench, put all contents
inside trench and Cap. ps - Mike Brothers
11-05-07

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x NW NE x

x Center x

x SW SE x

• Wellhead

Well Pad

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

↑ Draw in North Arrow

Depth of pit in feet _____

Client: COG Operating LLC
Well Name: G J. West CO-OP UNIT # 161
API# 30-015-35651

Summary Report

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

Report Date: November 13, 2007

Work Order: 7110508



Project Location: Eddy County, NM
Project Name: COG/GJ West #161
Project Number: 3208

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
141852	NE-2'	soil	2007-11-02	00:00	2007-11-05
141853	NW-2'	soil	2007-11-02	00:00	2007-11-05
141854	SE-10'	soil	2007-11-02	00:00	2007-11-05
141855	SW-20'	soil	2007-11-02	00:00	2007-11-05
141856	Center-10'	soil	2007-11-02	00:00	2007-11-05

Sample: 141852 - NE-2'

Param	Flag	Result	Units	RL
Chloride		197	mg/Kg	2.00

Sample: 141853 - NW-2'

Param	Flag	Result	Units	RL
Chloride		336	mg/Kg	2.00

Sample: 141854 - SE-10'

Param	Flag	Result	Units	RL
Chloride		245	mg/Kg	2.00

Sample: 141855 - SW-20'

Param	Flag	Result	Units	RL
Chloride		667	mg/Kg	2.00

Sample: 141856 - 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: November 13, 2007
3208

Work Order: 7110508
COG/GJ West #161

Page Number: 2 of 2
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		187	mg/Kg	200

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SEP 06 2007

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OCD-ARTESIA

Operator **COG Operating LLC** Telephone **432-685-4332** e-mail address: **kcarrillo@conchoresources.com**
Address **550 W. Texas, Suite 1300 Midland, TX 79701**
Facility or well name: **GJ West Coop Unit #161** API #: **30-015-35651** U/L or Qtr/Qtr **J** Sec **16** T **17S** R **29E**
County: **EDDY** Latitude **32.833559° N** Longitude **104.076140° W** 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 3000 bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____
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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)
Ranking Score (Total Points) 0 points	

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Additional Comments: **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 & cuttings.
3. Cover liner w/20 mil liner w/ excess of 3' on all sides as per option IV B.3.(b) of Pit and Below-Grade Tank Guidelines.
4. Cover w/ a minimum of 3' of native soil.
5. Contour pit to prevent erosion & ponding of rainwater.

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 **09/05/07**

Printed Name/Title **Kanicia Carrillo, Regulatory Analyst**

Signature 

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See Attached
Stipulations

Approval:

Gerry Guye

Printed Name/Title

Compliance Officer

Signature 

Date

SEP 7 2007

**Stipulations for Closure
Of Pits**

If pit is situated in an agricultural area pit contents must be hauled to an NMOCD approved disposal area.

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back filling. Notify NMOCD 24 hours prior to obtaining samples.

Notify NMOCD 24 hours prior to beginning closure.