

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: PLEDWARDS@conchoresources.com  
Address: 550 West Texas Ave., Suite 1300, Midland, Texas 79701  
Facility or well name: Polaris B Federal #8 API #: 30-015-35393 UI. or Qtr/Qtr: K Sec: 9 T-17-S R-30-1  
County: Eddy Latitude: 32.848022N Longitude: 103.977533W NAD: 1927 X 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 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.) 110'	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 10-5-2007, on verbal approval by Mike Bratcher.
Lab and field sample results are attached
Removed additional 8-9" of material from southwest corner 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 NMOCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 10-16-07

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: \_\_\_\_\_

Signed By: 

Date: NOV 26 2007

# Pit Closure Sampling Report

**Client:**

API#

Depth to

Orientation of pit **N** S E W

[illegible]

BPB- Below Pit Bottom

Dis out 8-9' at SW corner & place in  
Trench & Back fill P.T.

Highlander Environmental Corp.  
Pit Sample Location Plat

Pit wall in feet \_\_\_\_\_

Pit wall in feet \_\_\_\_\_

x NW NE x

x Center

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 10

Client.

Well  
Name:

API#

COG

Polaris B #8

30-015-35393

## Summary Report

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

Report Date: October 15, 2007

Work Order: 7100926



Project Location: Eddy County, NM  
Project Name: COG/Polaris B Federal #8  
Project Number: 3184

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
138815	NE 2'	soil	2007-10-05	00:00	2007-10-09
138816	NW 2'	soil	2007-10-05	00:00	2007-10-09
138817	SE 2'	soil	2007-10-05	00:00	2007-10-09
138818	SW 15'	soil	2007-10-05	00:00	2007-10-09
138819	Center 2'	soil	2007-10-05	00:00	2007-10-09

### Sample: 138815 - NE 2'

Param	Flag	Result	Units	RL
Chloride		182	mg/Kg	2.00

### Sample: 138816 - NW 2'

Param	Flag	Result	Units	RL
Chloride		200	mg/Kg	2.00

### Sample: 138817 - SE 2'

Param	Flag	Result	Units	RL
Chloride		<100	mg/Kg	2.00

### Sample: 138818 - SW 15'

Param	Flag	Result	Units	RL
Chloride		188	mg/Kg	2.00

### Sample: 138819 - Center 2'

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 15, 2007  
3184

Work Order: 7100926  
COG/Polaris B Federal #8

Page Number: 2 of 2  
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		120	mg/Kg	2.00

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**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: <b>COG Operating LLC</b> Telephone: <b>432-685-4340</b> e-mail address: <b>pedwards@conchoresources.com</b>		
Address: <b>550 W. Texas, Suite 1300</b> <b>Midland, TX 79701</b>		
Facility or well name <b>POLARIS B FEDERAL #8</b> API #: <b>30-015-35393</b> U/L or Qtr/Qtr <b>K</b> Sec <b>9</b> T <b>17S</b> R <b>30E</b>		
County <b>EDDY</b> Latitude <b>32.848022° N</b> Longitude <b>103.977533° W</b> NAD 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>		
Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b> 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 <b>12</b> mil Clay <input type="checkbox"/> Pit Volume <b>3000</b> bbl	<b>Below-grade tank</b> 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.) <b>110'</b>	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 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 No	(20 points) ( 0 points)
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	(20 points) (10 points) ( 0 points)
Ranking Score (Total Points)		<b>0 points</b>

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:	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: **8-31-07**

Printed Name/Title **Phyllis Edwards, Regulatory Analyst**

Signature *Phyllis Edwards*

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 \_\_\_\_\_

Date: \_\_\_\_\_