

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) 685-4340	e-mail address	PEdwards@conchoresources.com
Address	550 West Texas Ave., Suite 1300, Midland, Texas 79701				
Facility or well name	Polaris B Federal #9	API #	30-015-35394	UL or Qtr/Qtr	J Sec 9 T-17-S R-30-E
County	Uddy	Latitude	32.848017N	Longitude	103.973550W NAD 1927 X 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 12 mil Clay <input type="checkbox"/> Pit Volume 3,000 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) 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	
		<b>Ranking Score (Total Points)</b>		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 12-12-2007, on verbal approval by Gary Guye
Lab and field sample results are attached.
Removed additional material from southeast and southwest corners of pit and placed in second burial trench in south east corner 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: 12-26-07

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: \_\_\_\_\_

DEC 31 2007

# Pit Closure Sampling Report

## Groundwater

8.

Orientation of pit N S E W

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

[illegible]

BPB- Below Pit Bottom

Dug out 70 Rock @ 20' in SE corner ~~to~~  
 & SW corner to 15' Pet second Trench in  
 SE corner, lined, & Backfill. Perry Guye  
 12-12-07

Highlander Environmental Corp.  
Pit Sample Location Plat

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

x NW x NE x

x Center x

x SW x SE x

Draw in North Arrow

Depth of pit in feet 3'

Wellhead

Well Pad

Client: COB

Well Name: Polaris B Fed #9

API# 30-015-35394

## Summary Report

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

Report Date: December 20, 2007

Work Order: 7121726



Project Location: Eddy County, NM  
Project Name: COG/Polaris B Fed. #9  
Project Number: 3329

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145567	NE- 2'	soil	2007-12-11	00:00	2007-12-17
145568	NW- 2'	soil	2007-12-11	00:00	2007-12-17
145569	SE- 20'	soil	2007-12-11	00:00	2007-12-17
145570	SW- 15'	soil	2007-12-11	00:00	2007-12-17
145571	CENTER- 2'	soil	2007-12-11	00:00	2007-12-17

**Sample: 145567 - NE- 2'**

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

**Sample: 145568 - NW- 2'**

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

**Sample: 145569 - SE- 20'**

Param	Flag	Result	Units	RL
Chloride		455	mg/Kg	5.00

**Sample: 145570 - SW- 15'**

Param	Flag	Result	Units	RL
Chloride		<250	mg/Kg	5.00

**Sample: 145571 - 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: December 20, 2007  
3329

Work Order: 7121726  
COG/Polaris B Fed. #9

Page Number: 2 of 2  
Eddy County, NM

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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 ☒

NOV 08 2007

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>432-685-4332</b> e-mail address <b>kcarrillo@conchoresources.com</b>	
Address <b>550 W. Texas, Suite 1300 Midland, TX 79701</b>	
Facility or well name: <b>POLARIS B FEDERAL #9</b> API # <b>30-015-35394</b> U/L or Qtr/Qtr <b>J</b> Sec <b>9</b> T <b>17S</b> R <b>30E</b>	
County <b>EDDY</b> Latitude <b>32.848017° N</b> Longitude <b>103.973550° 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 mil Clay</b> <input type="checkbox"/> Pit Volume <b>3000</b> bbl	<b>Below-grade tank</b> Volume <input type="text"/> bbl Type of fluid <input type="text"/> Construction material <input type="text"/> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not <input type="text"/>
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 (20 points) 50 feet or more, but less than 100 feet (10 points) 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)
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) <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 **11-06-07**

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

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.

NOTIFY OCD 24 HOURS PRIOR to beginning closure and 24 HOURS PRIOR to obtaining samples. Samples are to be obtained from pit area and analyses submitted to OCD prior to back-filling.

Signature

Signed By

Date

NOV 26 2007

If burial trench is to be constructed in pit area, samples are to be obtained and analyses submitted to OCD