

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

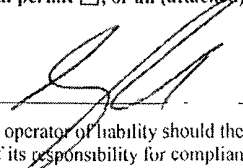
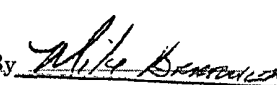
**Pit or Below-Grade Tank Registration or Closure**

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	PFedwards@conchoresources.com
Address	550 West Texas Ave., Suite 1300, Midland, Texas 79701				
Facility or well name	G J West Coop Unit #157	API #	30-015-35579	UL or Qtr/Qtr	F Sec 21 T-17-S R-29-E
County	Eddy	Latitude	32 82241N	Longitude	104.08083W NAD 1927 X 1983 <input type="checkbox"/>
Surface Owner	Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>				
<b>Pit</b>		<b>Below-grade tank</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		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 50 feet or more, but less than 100 feet 100 feet or more		(20 points) (10 points) 0 (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) 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		(20 points) (10 points) (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 10-23-07, on verbal approval by Mike Bratcher
Lab and field sample results are attached
Elevated chloride levels down to 5' in east outside horseshoe of pit were excavated, excavation was lined with 20 mil plastic and excavated material placed in new burial trench. The remaining material in the rest of the pit with elevated chloride could not be removed due to rock
Entire pit bottom was leveled, bedded with sand and capped with 20 mil plastic and backfilled.

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 <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	
Date: 11-2-07	Signature: 
Printed Name/Title: Gary Miller, Agent	
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 02 2007

# Highlander Environmental Corp. Pit Closure Sampling Report

Job Number:  
Client:  
Well Name  
API#  
Depth of Pit  
Depth to  
Groundwater

3214  
COE Oper LLC  
BJ West #157  
30-015-35579  
8'  
110' Orientation of pit N S E W

All pit sample depths are below pit bottom (BPB)

Excavate the East Outside Horsehoe (NE & SE)  
Down to 5' - Line w/ 20 mil Plastic, Place excavated  
material Back in Trench (#2), Cap Trench & enter  
Pit Bottom w/ 20 mil Plastic.  
Mibu Bratcher - 10-23-07

Sample Location	Depth (BPB)	Field Chloride Results (mg/Kg)	Lab Chloride Results (mg/Kg)
NE	2	5440	
	5	2720	
	15	1680	
Rock	20	2900	1880
NW	2	440	
	5	160	5100
SE	2	4960	
	5	4000	
	10	1200	
	15	1160	915
SW	2	2560	
	5	2400	
Rock	10	960	486
Center	2	800	
	5	400	
	10	2880	
Rock	15	1200	
	20	2000	1610

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

Highlander Environmental Corp.  
Pit Sample Location Plat

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

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

NE SE


x Center

NW SW

• Wellhead

Well Pad

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

 Draw in North Arrow

Depth of pit in feet 8'

Client COG Oper LLC

Well Name: GJ West #157

API# 30-015-35579

## Summary Report

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

Report Date: November 1, 2007

Work Order: 7102313



Project Location: Eddy County, NM  
Project Name: COG/GJ West #157  
Project Number: 3214

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
139956	NE 20'	soil	2007-10-22	00:00	2007-10-23
139957	NW 5'	soil	2007-10-22	00:00	2007-10-23
139958	SE 15'	soil	2007-10-22	00:00	2007-10-23
139959	SW 10'	soil	2007-10-22	00:00	2007-10-23
139960	Center 20'	soil	2007-10-22	00:00	2007-10-23

**Sample: 139956 - NE 20'**

Param	Flag	Result	Units	RL
Chloride		1880	mg/Kg	2.00

**Sample: 139957 - NW 5'**

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

**Sample: 139958 - SE 15'**

Param	Flag	Result	Units	RL
Chloride		915	mg/Kg	2.00

**Sample: 139959 - SW 10'**

Param	Flag	Result	Units	RL
Chloride		486	mg/Kg	2.00

**Sample: 139960 - Center 20'**

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 1, 2007  
3214

Work Order 7102313  
COG/GJ West #157

Page Number: 2 of 2  
Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		1610	mg/Kg	2.00

Submit 3 Copies To Appropriate District Office  
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

3214

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-015-35579</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6 State Oil & Gas Lease No.
7 Lease Name or Unit Agreement Name <b>G J West Coop Unit</b>
8. Well Number <b>157</b>
9. OGRID Number <b>229137</b>
10. Pool name or Wildcat <b>97558</b> <b>GJ; 7RVS-QN-GB-GLORIETA-YESO</b>

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type DRILLING Depth to Groundwater 110' Distance from nearest fresh water well 1000' Distance from nearest surface water 1000'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well. Oil Well ☒ Gas Well ☐ Other ☐ **AUG 23 2007**

2. Name of Operator  
**COG Operating LLC** **OCD-ARTESIA**

3. Address of Operator  
**550 W. Texas Ave., Suite 1300** **Midland, TX 79701**

4. Well Location  
Unit Letter F : 1800' feet from the North line and 2310' feet from the West line  
Section 21 Township 17S Range 29E NMPM County EDDY

11 Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3613' GR**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>
MULTIPLE COMPL <input type="checkbox"/>	P AND A <input type="checkbox"/>
CASING/CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

OTHER Pit closure ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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

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.

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE K. Carrillo TITLE Regulatory Analyst DATE 08-22-07

Type or print name Kanicia Carrillo E-mail address: kcarrillo@conchoresources.com Telephone No. 432-685-4332  
For State Use Only

APPROVED BY: Signed By Mike Scanlon TITLE \_\_\_\_\_ DATE AUG 29 2007  
Conditions of Approval (if any): \_\_\_\_\_