

Pit Closure Sampling Report

Groundwater

110

Orientation of pit N S E W

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

[illegible]

BPB- Below Pit Bottom

Dis at center to at least 15' ~~down~~ pad &
Liner w/ Plastic, for new burial trench &
Backfill. M. by Bratcher 11-20-07

Highlander Environmental Corp.
Pit Sample Location Plat

Pit wall in feet _____

Pit wall in feet _____

x SW N/W x


x Center x

x SE NE 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 6-8

Client: POB

Well Name: GJ West Prop 168

API# 30-015-35720

Summary Report

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

Report Date: November 29, 2007

Work Order: 7112502



Project Location: Eddy County, NM
Project Name: COG/GJ West #168
Project Number: 3251

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
143542	NE 5'	soil	2007-11-19	00:00	2007-11-21
143543	NW 2'	soil	2007-11-19	00:00	2007-11-21
143544	SE 5'	soil	2007-11-19	00:00	2007-11-21
143545	SW 2'	soil	2007-11-19	00:00	2007-11-21
143546	Center 15'	soil	2007-11-19	00:00	2007-11-21

Sample: 143542 - NE 5'

Param	Flag	Result	Units	RL
Chloride		160	mg/Kg	2.00

Sample: 143543 - NW 2'

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

Sample: 143544 - SE 5'

Param	Flag	Result	Units	RL
Chloride		228	mg/Kg	2.00

Sample: 143545 - SW 2'

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

Sample: 143546 - Center 15'

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.

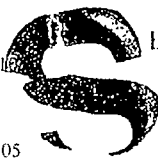
Report Date: November 29, 2007
3251

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COG/GJ West #168

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Eddy County, NM

Param	Flag	Result	Units	RL
Chloride		1000	mg/Kg	2.00

District I
1625 N Trench Dr Hobbs, NM 88240
District II
1307 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

For drilling and production facilities, submit to
appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe
office

Form C-144
June 1, 2004

3257

Pit or Below-Grade Tank Registration or Closure

SEP 27 2007

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 ☒ **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 G J West Coop Unit #168 API # 30-015-35720 U/L or Qtr/Qtr B Sec 21 T 17S R 29E	
County EDDY Latitude 32.824485° N Longitude 104.078270° W NAD 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>	
Surface Owner Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" 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 3000 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 (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) 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

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. See Attached Stipulations
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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	
Date 09/25/07	
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.	
Approval Printed Name/Title Gerry Guye Compliance Officer	Signature Date OCT 9 2007