

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 (Amended)

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 ☒

RECEIVED

AUG 25 2005

Operator: **COG Operating LLC** Telephone: **432-685-4372** e-mail address: **dkuykendall@conchoresources.com**
Address: **Fasken Center Tower II, 550 W. Texas Ave., Suite 1300, Midland, TX 79701**
Facility or well name: **Colorado Brown Hackle 16 State #1** API #: **30-015-33441** U/L or Qtr/Qtr: **N** Sec: **16** T: **20S** R: **23E**
County: **Eddy** Latitude: **N 32° 34' 04"** Longitude: **W 104° 41' 59"** NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐
Liner type: Synthetic ☒ Thickness: **20 mil** Clay ☐
Pit Volume: **12,000 bbl**

Below-grade tank

Volume: _____ bbl Type of fluid: _____
Construction material: _____
Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet	(20 points)
50 feet or more, but less than 100 feet	(10 points)
100 feet or more - X	(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 - X	(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 - X	(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: **Pit Closure Plan is attached. The original pit closure plan was approved by OCD on July 14, 2005. This pit closure plan is amended as per attached procedure 3 (a).**

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: **8/25/05**

Printed Name/Title **Dane Kuykendall, 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: **Gerry Guye**

Printed Name/Title

Compliance Officer

Signature 

Date: **SEP 1 2005**

Amended Pit Closure Plan – Drilling Pit

Operator: COG Operating LLC

Well Name: Colorado Brown Hackle 16 State #1

Location: Unit N, Section 16, Township 20 S, Range 23 E, Eddy County, NM

The drilling pit associated with this well will be closed as per New Mexico OCD “Pit and Below-Grade Tank Guidelines” dated November 1, 2004. The visual inspection of the pit indicated that the pit liner has maintained its integrity.

1. Any remaining liquids will be removed from the pit.
2. Remaining solid wastes (i.e. buckets, cans, miscellaneous trash, debris, contaminated solids, etc.) will be removed from the pit, except for dried mud and cuttings, cement, and frac materials in drilling and reserve pits which have been approved by the OCD for encapsulation.
3. **This well did not penetrate a salt section and was drilled with less than 9.5 lb/gal brine. Therefore, the drilling pit will be closed by encapsulation:**
 - a) Field inspection of the pit indicated that due to the excess volume of drilling mud and cuttings, some of the pit contents need to be removed in order to provide a minimum of 3 feet of clean soil cover for the pit. Therefore, a trench burial and capping will be performed for the excess drilling mud and cuttings that will be removed from the pit prior to encapsulation. Up to two trenches (5 feet wide x 10 feet deep x 125 feet length) will be dug next to the pit and the excess drilling and cuttings buried and capped. The trenching and capping will be accomplished by lining the trench with an impervious, reinforced, synthetic or fabricated liner at least 12 mils in thickness; mixing earthen materials with the pit contents, as necessary to stiffen the pit contents sufficiently to provide stability and support for the trench cap; emplacing the stiffened mud and cuttings into the lined trench; capping the trench with a 20 mil minimum thickness impervious, fiber reinforced, synthetic or fabricated liner (the synthetic liner will overlap the trench area by at least 3 feet in all directions); and covering the trench with a minimum of 3 feet of clean soil that is capable of supporting native plant growth.
 - b) Encapsulation for the drilling pit will be accomplished by mixing earthen materials with the pit contents to stiffen the pit contents, as necessary, folding the edges of the liner over the stiffened mud and cuttings and covering the encapsulated wastes and liner with a minimum of 3 feet of clean soil that is capable of supporting native plant growth.
4. Upon closure of the pit and trench, the surface where the pit and trench were located will be contoured to prevent erosion and ponding of rainwater over the site.