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: Cimarex Energy of Colorado Telephone: 505-200-6105 e-mail address: dorseyrogers@aol.com
Address: 207 S Mesa Carlsbad, New Mexico 88220
Facility or well name: Bear Bryant 31 Federal 001 API#: 30-015-34906 U/L or Qtr/Qtr _____ Sec 31 T 16S R 29E
County: Eddy Latitude _____ Longitude _____ NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**		
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☒ Pit Volume 24000bbl	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 50 feet or more, but less than 100 feet 100 feet or more 100'	(20 points) (10 points) (0 points)	0
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
	Ranking Score (Total Points)	0 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 your 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: Insitu burial –drill cuttings and contaminated soils will be entombed in a burial cell lined and capped with 20mil liner per NMOCD guidelines Three foot of clean soil will be placed on top and reseeded per BLM guidelines. Soil samples will be taken and sent to an approved lab for official results NMOCD will be contacted with samples results prior to backfilling.

Pit was closed on 6-29-07 FINAL – Analytical Attached

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: 06-29-07
Printed Name/Title Shelly J. Tucker / Environmental Consultant Signature *Shelly J. Tucker*

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: MAR 28 2008

Cimarex Energy Company of Colorado

LOCATION: Bear Bryant 31 Federal Com 001
Sec 31, T16S, R29E
Eddy County, New Mexico
API: 30-015-34906

PROJECT OVERVIEW:

NMOCD was notified on June 15, 2007 that initial work for pit closure was to begin on the location on June 18, 2007. The parallel pit dimensions were approximately 40' x 125' x 16' with a 12 mil liner that contained approximately 3,000 cubic yards of material in the pit with approximately 60 to 70% of that volume consisting of wet solids which would need to be stabilized with dry material prior to burial in lined Insitu cell.

CHRONOLOGY OF CLOSURE:

02-02-07: NMOCD was notified that Whites Drilling of San Angelo Texas would be drilling a test hole on February 5, 2007 to determine if ground water was present.

02-05-07: A test hole was drilled by Whites Drilling of San Angelo, Texas to a depth of 70'. The hole was allowed to remain open for 24 hours to check for any possible water intrusion. After 24 hours, no water entered and the hole was plugged.

06-18-07: NMOCD was notified that equipment would move on to location on June 22, 2007 to start pit closure proceedings.

06-22-07: Equipment was mobilized onto the location to begin closure proceedings.

06-23-07: Continued stabilizing and moving mud to the north cell.

06-24-07: Continued stabilizing and moving mud to the north cell.

06-25-07: Continued stabilizing and moving mud to the north cell.

06-26-07: Continued stabilizing and moving mud to the north cell

06-27-07: Finished stabilizing and moving mud to the north cell. Pulled infield analysis of the south cell, the floor and walls were clean. Samples were pulled per EPA SWA-846 sampling protocol. The south cell was then lined with a 20 mil liner and began moving the

stiffened drill cuttings from the north cell into the lined burial trench. Finished moving mud to the lined burial and pulled infield analysis of the north cell, the floor and walls were within acceptable NMOCD chloride levels. Contacted the NMOCD and was granted verbal permission to close the reserve pit. Samples were pulled per EPA SWA-846 sampling protocol and sent to Trace Analysis for official analysis. A 20 mil cap was placed on the top of the burial cell to seal in the stiffened drill cuttings. Pushed up backfill and began backfilling the reserve pit area with clean soil.

06-28-07: Finished backfilling and began to contour the area to the surrounding topography.

06-29-07: Finished contouring the location and prepared the area for reseeding of indigenous vegetation.

SUMMARY AND CONCLUSIONS:

Cimarex excavated the impacted material and sealed it in a 20 mil liner with a 20 mil cap. Due to the results from the infield analysis and results from Trace Analysis, no major liner breaches were detected in the confines of the pit area. All sampling was preformed per EPA SWA-846 protocol. Proper sample custody documentation was attached to all samples. Official analysis of the soil samples were performed by lab technicians of Trace Analysis and copies of those results were forwarded to the NMOCD and Cimarex

CERTIFICATION:

The following Cimarex personnel have reviewed this report and verify that to the best of their knowledge the contents are true and correct.

Name: Shelly J. Tucker

Shelly J. Tucker

Signature:

Title: Environmental Consultant for
Cimarex Energy Company of Colorado

Summary Report

Dorsey Rogers
Cimarex
207 S Mesa
Carlsbad, NM, 88220

Report Date: August 6, 2007

Work Order: 7080135

Project Location: 31.16S.29E, Edy County, NM
Project Name: Bear Bryant 31 Fed. Com 1
Project Number: API 30-015-34906

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131849	P1-001 Comp	soil	2007-06-27	08:00	2007-08-01
131850	P1-002 Comp	soil	2007-06-27	08:30	2007-08-01
131851	P2-001 Comp	soil	2007-06-27	11:00	2007-08-01
131852	P2-002 Comp	soil	2007-06-27	11:30	2007-08-01
131853	P1-003 Comp	soil	2007-06-27	08:50	2007-08-01
131854	P2-003 Comp	soil	2007-06-27	11:45	2007-08-01

Sample: 131849 - P1-001 Comp

Param	Flag	Result	Units	RL
Chloride		**164**	mg/Kg	5.00

Sample: 131850 - P1-002 Comp

Param	Flag	Result	Units	RL
Chloride		**166**	mg/Kg	5.00

Sample: 131851 - P2-001 Comp

Param	Flag	Result	Units	RL
Chloride		**190**	mg/Kg	5.00

Sample: 131852 - P2-002 Comp

Param	Flag	Result	Units	RL
Chloride		**151**	mg/Kg	5.00

Report Date: August 6, 2007	Work Order: 7080135	Page Number: 2 of 2
API 30-015-34906	Bear Bryant 31 Fed. Com 1	31.16S.29E, Edy County, NM

Sample: 131853 - P1-003 Comp

Param	Flag	Result	Units	RL
Chloride		174	mg/Kg	5.00

Sample: 131854 - P2-003 Comp

Param	Flag	Result	Units	RL
Chloride		184	mg/Kg	5.00