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 Telephone: 505-628-3447 e-mail address: dorseyrogers@aol.com
Address: 7101 Doerr Rd. Carlsbad N.M.
Facility or well name: Grayburg Deep # 22 API #: 30015 35598 U/L or Qtr/Qtr _____ Sec 25 T 17S R 29E
County: Eddy Co N.M. Latitude N 32° 48' 25.8" Longitude 104° 02' 08.8 NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

SEP 05 2007
OCD-ARTESIA

| Pit | Below-grade tank | |
|---|---|---|
| Type: Drilling ☑ Production ☐ Disposal ☐<br>Workover ☐ Emergency ☐<br>Lined ☐ Unlined ☐<br>Liner type: Synthetic ☑ Thickness 12 mil Clay ☐<br>Pit Volume _____ bbl | Volume: _____ bbl Type of fluid: _____<br>Construction material: _____<br>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<br>50 feet or more, but less than 100 feet<br>100 feet or more | (20 points)<br>(10 points)<br>( 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<br>No | (20 points)<br>( 0 points) |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.) | Less than 200 feet<br>200 feet or more, but less than 1000 feet<br>1000 feet or more | (20 points)<br>(10 points)<br>( 0 points) |
| | Ranking Score (Total 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:
See Attached work plan

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: 9/5/07
Printed Name/Title Dorsey Rogers Dwy Sup 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.

See Attached Stipulations

Approval:
Printed Name/Title Gerry Guye Compliance Officer Signature _____ Date: SEP 5 2007

P.O. Box 310
Hobbs, NM 88241-0310

Off 505.392.8584
Cell 505.631.2442
Fax 505.392.3085

New Mexico Environmental Services

Hobbs, New Mexico

*Reserve Pit Remediation*

# SURFACE PIT CLOSURE PLAN

## PIT PARAMETERS

**COMPANY: Cimerex Energy.**
**WELL SITE: Grayburg Deep #22**
**LEGAL DESCRIPTION: Sec.25,T17s,R29e**
**LAT:N32*48'25.8"LONG:W104*02'08.8"**

The Drying Pad inset on this leasehold is being permitted to close as per New Mexico OCD "Pit and Below Grade Tank Guidelines" dated November 1, 2004.

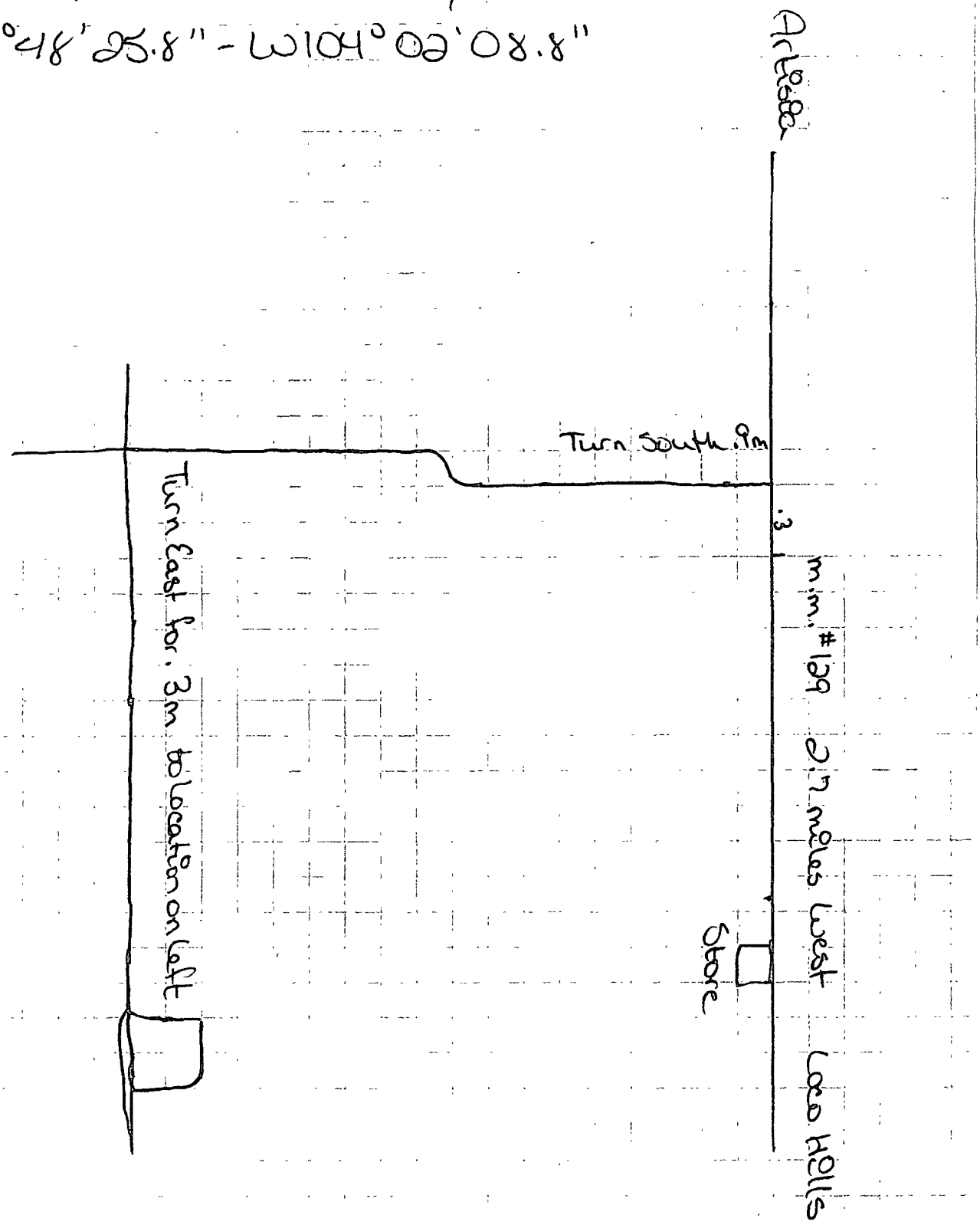
This Drying Pad was formed to the dimensions roughly 120'x 120' A 12 mil membrane liner and pad was used to prevent leakage to the surface soils. A visual examination of the membrane liner indicates that the liner had maintained its integrity.

After the drilling and completion phase of this project, the water phase of the pit contents were pumped and hauled to an approved water injection facility. It is estimated that the volume of solids remaining are to +/- 1500 yards. The burial cell is to be excavated and lined with a 20 mil membrane that complies with ASTM Standards: D-5747, D-5199, D-5994, and D-4833. The cutting will be loaded as to allow for >36" freeboard to ground level. After the cutting are loaded the 12 mil liner will be folded over the top, and a 20 mil minimum thickness liner meeting the minimum requirements as outlined in ASTM Standard Methods: D-5747, D-5199, D-5994, D-4833; will be used to cap and cover to an extended area that exceeds three feet in all directions from the edge of the burial cell.

A minimum of 36" of top soil will be used to cover the burial cell. This soil must be capable of supporting plant growth. A seed mixture will be used as to conform to local BLM and OCD requirements.

After the drilling solids are buried, the natural contour of the surrounding soils will be mechanically shaped as to prevent erosion of the well site until vegetation is established.

Cimarex Grayburg Deep #22
Sec 25, 17s, 29e Eddy Co. N.M.
N 32°48'25.8" - W104°02'08.8"



**Stipulations for Closure**
**Of Pit**

Contents of drilling pit must be mixed and stiffened so as to support the liner cap in the burial trench.

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back filling. Notify NMOCD 24 hours prior to obtaining samples.

Notify NMOCD 24 hours prior to beginning closure.

If pit is situated in an agricultural area pit contents must be hauled to an NMOCD approved disposal area.