

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88211
District III
1000 Rio Brazos Road, Aztec, NM 87412
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-14
March 12, 2006

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

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 **Marbob Energy Corporation**

Telephone: **505-748-3303**

e-mail address: **land2@marbob.com**

Address **PO Box 227, Artesia, NM 88211-0227**

2450' FNL & 990' FEL

Facility or well name: **Whiskey Girl Fee Com #2**

API #: **30-015-3495**

U/L or Qtr/Qtr **SENE** Sec **14** T **22S** R **26E**

County **Eddy**

Latitude

Longitude

NAD. 1927 ☐ 1983 ☐ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

Pit

Type Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type Synthetic ☒ Thickness **12** mil Clay ☐ Volume

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

(0 points)

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)

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)

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.

onsite ☐ offsite ☐ If offsite, name of facility _____ (3) Attach a general description of remedial action taken including remediation start date and 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

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 **June 6, 2007**

Printed Name/Title: **Gerald Herrera**

Signature *G. Herrera*

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:

Date: **6/11/07**

** This approval supercedes 3/6/07 Approval*

Notify OCD 24 hours prior to beginning pit closure.

Signature *W. L. Brannon*

State Engineer Data shows 52 water wells in section 14 with groundwater encountered as shallow as 20' bgs.

Samples are to be obtained from pit area and analysis submitted to

Accepted for record
NMOCD

Marbob Energy Corporation
Attachment to OCD Form C-144

Pit or Below-Grade Tank Registration or Closure

Pit Closure

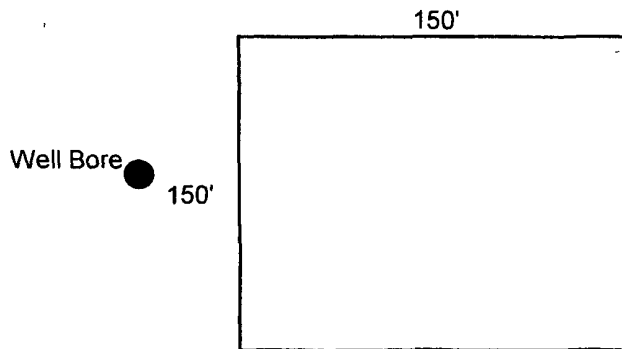
Whiskey Girl Fee Com #2

2450' FNL & 990' FEL

Section 14 T-22S R-26E

Eddy County, New Mexico

(1) Facility diagram



(2) Disposal location:

Truck and haul cuttings to Lea Land Disposal.

(3) General description of remedial action:

- a. Use caliche from road and pad to fill pit.
- b. Use stock piled dirt to cover pit, reseed per landowner's specifications.

(4) Groundwater encountered:

No

(5) Soil sample:

N/A

**New Mexico Office of the State Engineer
POD Reports and Downloads**

Township: 22S Range: 26E Sections: 14

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic
☒ All

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Clear Form

WATERS Menu

Help

AVERAGE DEPTH OF WATER REPORT 06/11/2007

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
C	22S	26E	14				52	20	165	73

Record Count: 52

This document provided by CDS

Marbob Energy Corporation
Attachment to OCD Form C-144

Pit or Below-Grade Tank Registration or Closure

Pit Closure

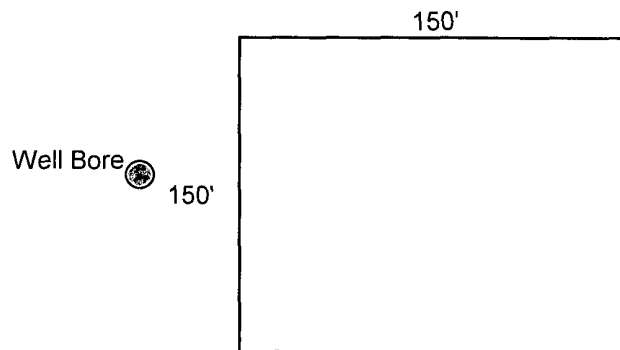
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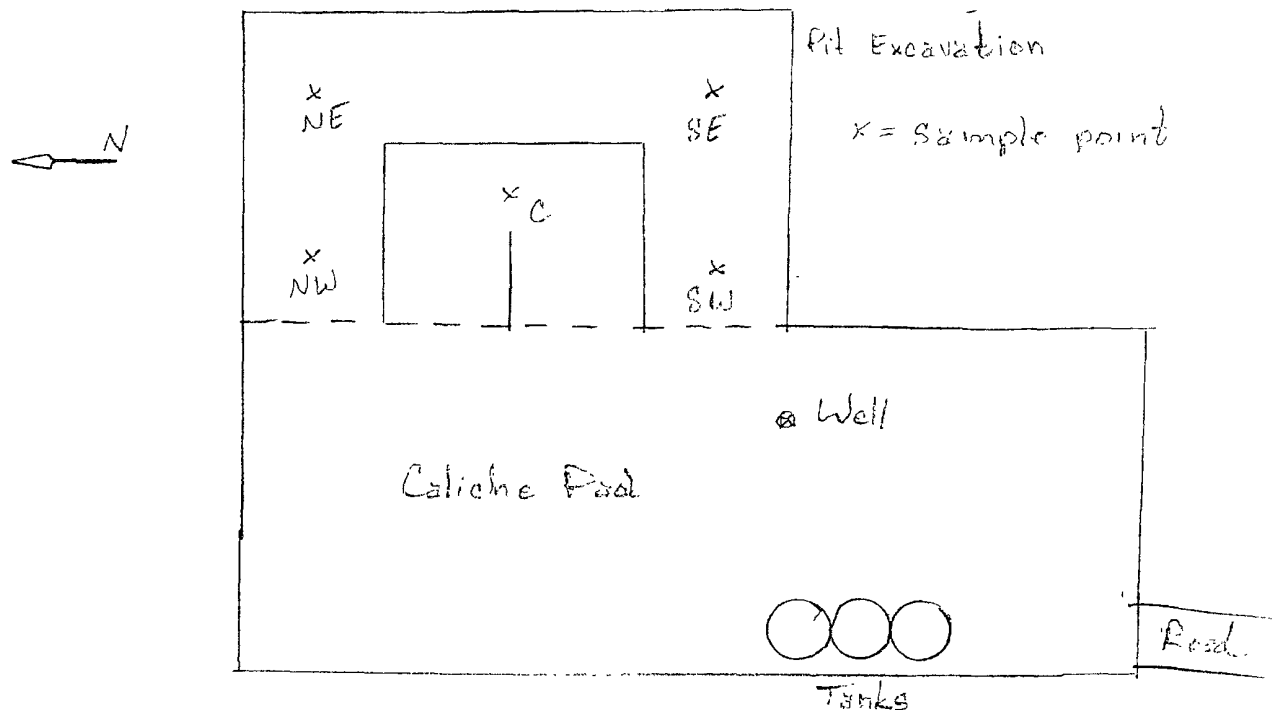
(4) Groundwater encountered:

No

(5) Soil sample:

N/A

Field Chloride Screens on Pit Bottom



NW = Northwest
 NE = Northeast
 C = Center
 SE = Southeast
 SW = Southwest

Note: First samples were taken from pit floor at 6' bgs (below ground surface). SW needed sloughed material removed first.

NW	6' bgs	Reddish sand and caliche. ~ 20% rock
	Cl ⁻	6,000 ppm
NE	6' bgs	Fine brown sand with caliche
	Cl ⁻	4,000 ppm
C	6' bgs	Fine brown sand with caliche
	Cl ⁻	19,800 ppm
SE	6' bgs	Brown sand with caliche
	Cl ⁻	4,000 ppm

Field Chloride Screens (Cont'd)

Notes: Excavated all sample points further

NW 10' bgs Brown sand
Cl⁻ 6,000 ppmNE 10' bgs Brown sand with ~60% river rock
Cl⁻ 1,000 ppmC 12' bgs Brown sand
Cl⁻ 8,200 ppmSE 10' bgs Brown sand
Cl⁻ 400 ppmSW 10' bgs 200 ppm Brown sand with ~10% rock
Cl⁻ ↗

Note: Excavated further at NW, NE, and C.

NW 15' bgs Brown sand
Cl⁻ 6,000 ppmNE 15' bgs Brown sand
Cl⁻ 2400 ppmC 15' bgs Brown sand
Cl⁻ 6,800 ppm

Note: Excavated further

NW 20' bgs Brown sand
Cl⁻ 5,000 ppmNE 20' bgs Brown sand with ~60% river rock
Cl⁻ 200 ppmC 20' bgs Brown sand
Cl⁻ 1,200 ppm

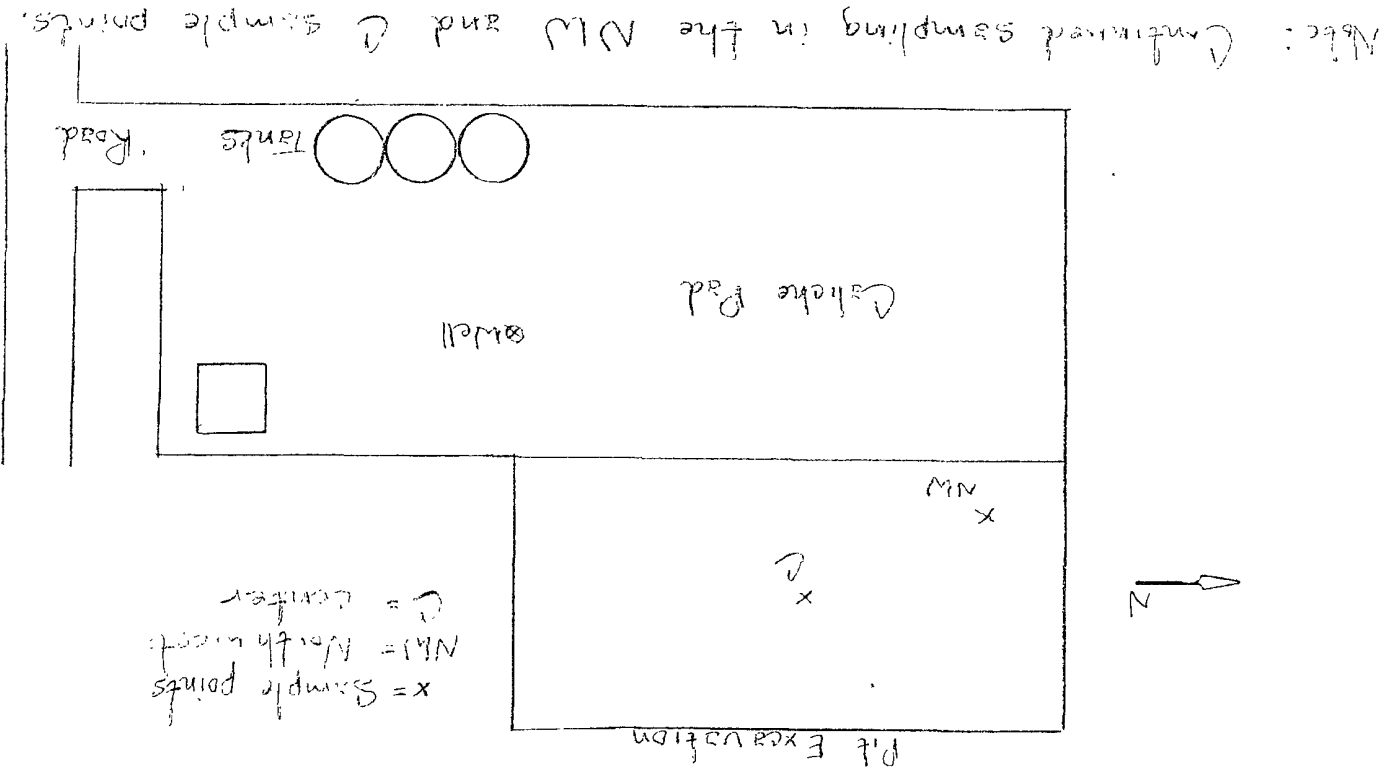
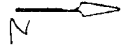
Note: Will hold SE, SW, NE until rest are 500 ppm or less.

9/6/07

Field Chloride Screens on Pit Bottom
(Continued)

X = Sample points
NH₄ = Ammonia
C = Center

Pit Excavation



Note: Continued sampling in the NW and Q sample points.

- NW 26' bgs Fine brown sandy clay (~40% clay) GI- 6,600 ppm
- Q 26' bgs Fine brown sand (~20% clay) GI- 200 ppm

Note: Will continue to excavate and sample the NW area. Will collect a shallower sample from the center (C) to determine excavation depth.

- NW 28' bgs Fine brown sand, ~20% clay GI- 2,120 ppm
- Q 22' bgs Fine brown sand, ~15% clay GI- 200 ppm

Note: Excavating at the NW for another sample.

- NW 32' bgs Fine brown sand, ~20% clay GI- 240 ppm

Field Chloride Screens of Pit Bottom (Continued)

Note: Collected a shallower sample to determine excavation depth

NW 30' bgs Fine brown sand, ~ 20% clay
Cl- 280 ppm



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

FAX TO: (505) 397-0397

Project Location: CARLSBAD, NM

Analyzed By: HM

Note: Analysis performed on a 1:4 w:v aqueous extract.

Date _____

PLEASE NOTE. Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240

(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2478

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.