

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-1
March 12, 2007

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

JUL 13 2007
OCD-ARTESIA

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**

2310' FSL & 1650' FEL

Facility or well name **Eddy Fee #1** API # **30-015-34514**

U/L or Qtr/Qtr **NWSE Sec 10 T 22S R 27E**

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)

20 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)

20 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 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

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 **July 12, 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 **JUL 16 2007**

Signed By *Mike Brannigan*

Signature

Notify OCD 24 hours prior to beginning pit closure.

Samples are to be obtained from pit area and analysis submitted to NMOCD prior to back-filling

Accepted for record
NMOCD

Samples and closure completed as required. Call in to Mike B. prior to backfilling and discussed final composite sample

Handwritten signature

Marbob Energy Corporation
Attachment to OCD Form C-144

Pit or Below-Grade Tank Registration or Closure

Pit Closure

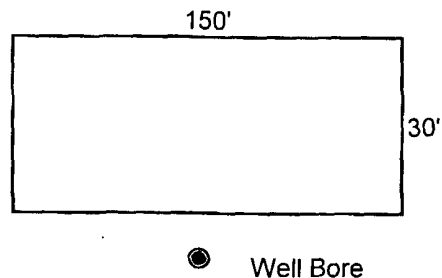
Eddy Fee #1

2310' FSL & 1650' FEL

Section 10 T-22S R-27E

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.

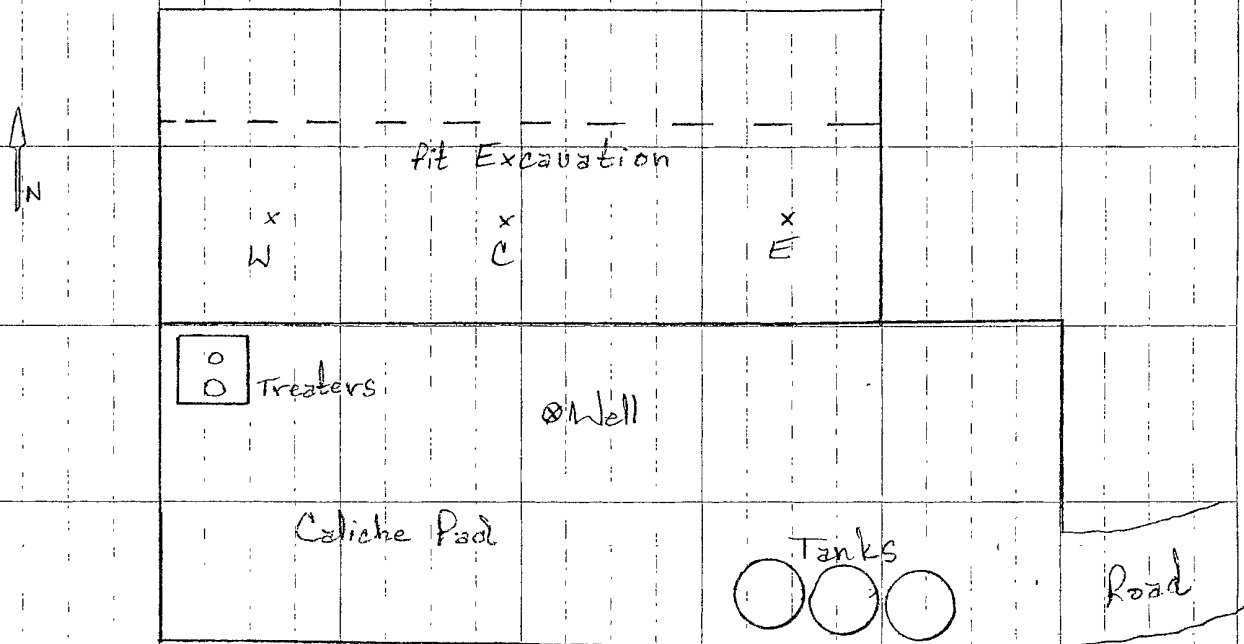
(4) Groundwater encountered:

No

(5) Soil sample:

N/A

Field Chloride Screens on Pit Bottom



Note: Collected samples from pit floor at 12 ft below ground surface (bgs). Very hard and sandy conglomerate at all three sample points. Difficult to collect samples.

W	12' bgs	Cl ⁻	23,400 ppm (parts per million, mg/kg)
C	12' bgs	Cl ⁻	21,000 ppm
E	12' bgs	Cl ⁻	23,200 ppm

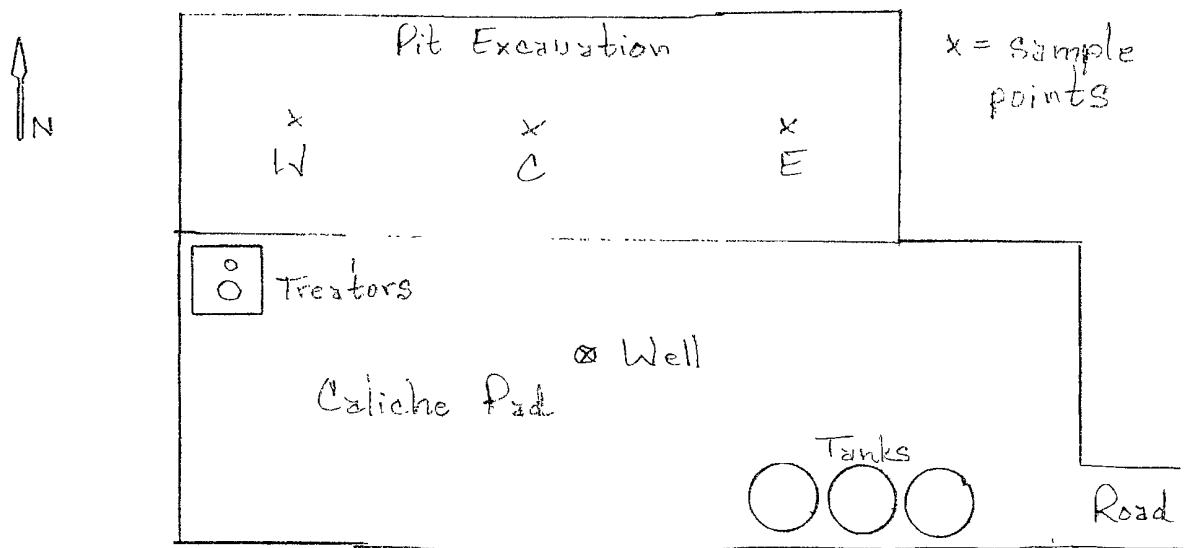
Note: Excavated another foot out of the west end. Took a good while and much effort to break into the conglomerate rock. May require a hand drill.

W	13' bgs	Cl ⁻	17,400 ppm
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Marbob Energy / Eddy Fee #1

9/13/07

Field Chloride Screens on Pit Bottom



Note: Pit was further excavated after sampling on 9/10/07. Samples will be collected from floor surface which is now 14 ft below ground surface ^(bgs) on the W and C sample points and trrenched to 17 ft bgs on the E end.

W 14' bgs Cl⁻ 3,200 ppm (parts per million, mg/Kg)
Pulverized conglomerate bedrock
C 14' bgs Cl⁻ 500 ppm
Pulverized conglomerate rock
E 17' bgs Cl⁻ 7,800 ppm
Red sand

Note: Put aside C sample for composite. Continued excavating W and E points.

W 14.5' bgs Cl⁻ 2,200 ppm
Pulverized conglomerate bedrock
E 18' bgs Cl⁻ 7,400 ppm
Coarse red sand, ~25% small rock fragments

Field Chloride Screens on Pit Bottom
(Continued)

Note: Deepened sample points further

W 15' bgs Cl- 900 ppm
Pulverized conglomerate bedrockE 20' bgs Cl- 8,200 ppm
Coarse red sandNote: Called Mike Bratcher (Gerald Herrera called)
and let him know the excavating difficulties in
dealing with bedrock. Mike agreed to accept
the 15' W sample as part of the composite.

Note: Continued excavating + sampling the E point.

E 23' bgs Cl- 200 ppm
Coarse red sand, ~30% rock fragmentsNote: Will composite bottom most samples from
each point to submit to the lab.



ARDINAL LABORATORIES

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 09/14/07
Reporting Date: 09/18/07
Project Owner: MARBOB
Project Name: EDDY FEE #1
Project Location: CARLSBAD, NM

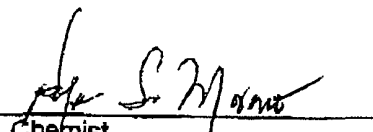
Analysis Date: 09/17/07
Sampling Date: 09/13/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AB

LAB NUMBER	SAMPLE ID	CF (mg/Kg)
H13300-1	PIT BOTTOM	784
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

Gerald discussed
result to Mike B.
(rock formations).

METHOD: Standard Methods 4500-CFB

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


Chemist

09-18-07
Date

H13300 BBC

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

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