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: Yates Petroleum Corporation Telephone: 505-748-4500 e-mail address: mikes@ypcnm.com
Address: 105 South 4th Street, Artesia, N.M. 88210
Facility or well name: Comanche Hills VE State Com 2 API #: 30-005-63757 U/L or Qtr/Qtr F Sec 36 T 10S R 25E
County: Chaves Latitude: 33.40462 Longitude: 104.35789 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

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NOV 16 2005
OCD-ARTESIA

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Work over ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume 20,000 bbl	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	(20 points) (10 points) (0 points) XXXX
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) XXXX
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) XXXX (10 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: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility NA . (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: Closure work plan for drilling pit. An encapsulation trench will be constructed and lined with 12 mil synthetic liner next to existing drilling pit. The drilling pit contents will be excavated and emplaced into the encapsulation trench using a mixture of three to one pit material and Class H bulk cement or CKD. The emulsion of pit material and cement will be mixed using a track hoe and water added if needed. After completion of solidifying pit material in cement and pit contents have set in place for a minimum of 24 hours, the encapsulation trench will then be capped using a 20 mil synthetic liner and backfilled to grade using a minimum of 3' of like material and clean soil. A one call and 48 hour notification to OCD will be made before pit closure action begins. Beginning pit closure date: N/A. Ending pit closure date: N/A

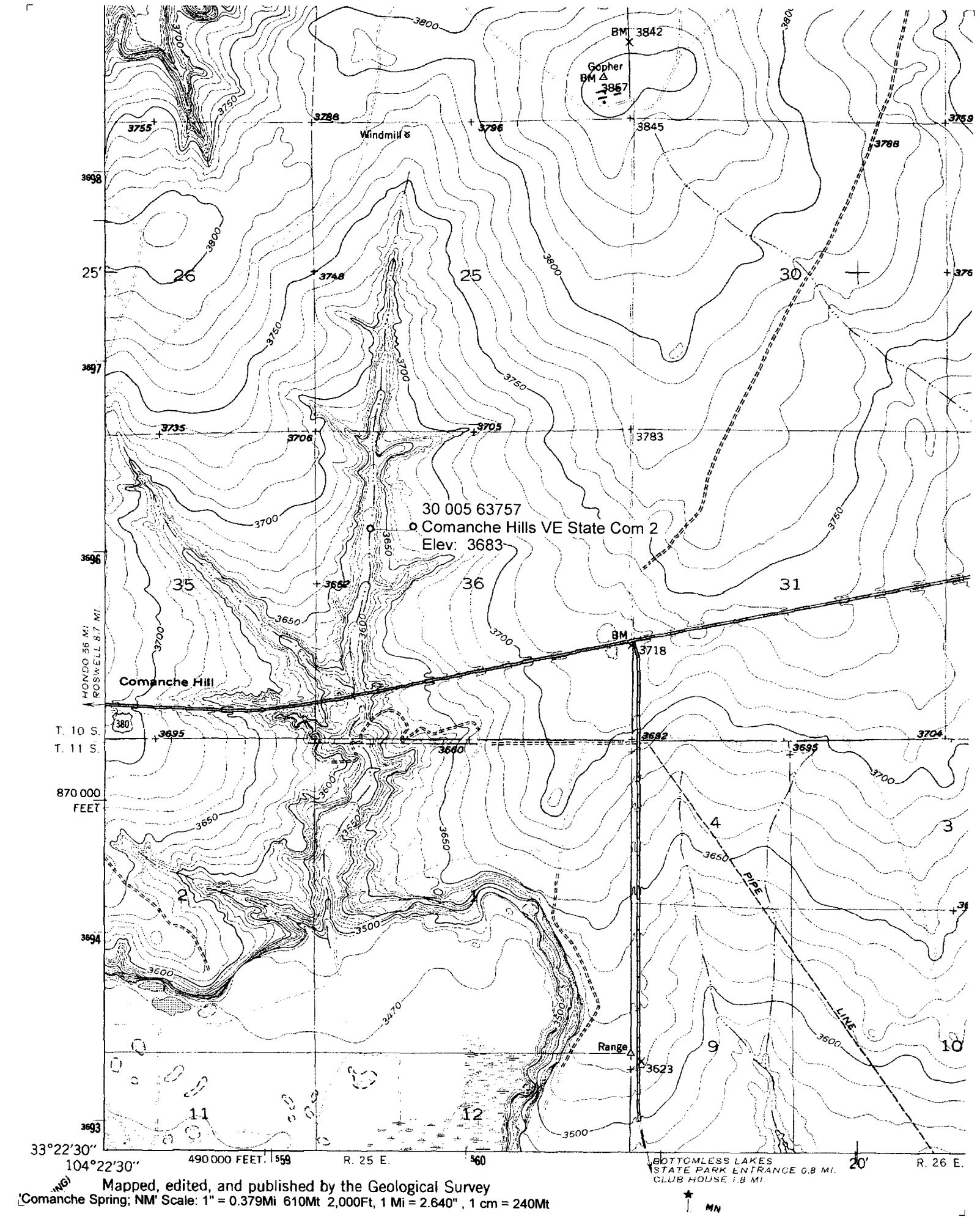
See attached sampling and closure data

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: 11/11/2005
Printed Name/Title Mike Stubblefield / Regulatory Agent Signature Mike Stubblefield

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 Field Supervisor Signature _____ Date: NOV 16 2005


30 005 63757
Comanche Hills VE State Com 2
Elev: 3683
BM 3842
Gopher BM △ 3857
Windmill
3845
BM 3718
Comanche Hill
Range
3623
HONDO 56 MI
ROSWELL 8.7 MI.
T. 10 S.
T. 11 S.
870 000 FEET
490 000 FEET
33°22'30"
104°22'30"
R. 25 E.
R. 26 E.
PIPE LINE
BOTTOMLESS LAKES STATE PARK ENTRANCE 0.8 MI.
CLUB HOUSE 1.8 MI.
Mapped, edited, and published by the Geological Survey
'Comanche Spring; NM' Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 10S Range: 25E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 11/11/2005

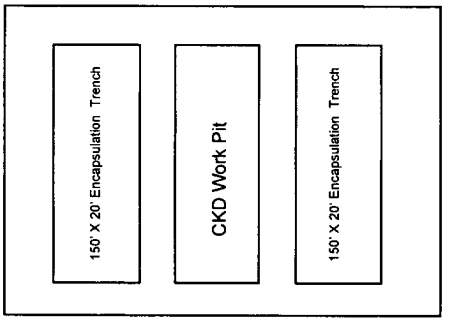
							(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
RA	10S	25E	05				1	50	50	50
RA	10S	25E	06				7	20	40	26
RA	10S	25E	07				2	20	25	23
RA	10S	25E	08				5	20	30	25
RA	10S	25E	10				2	6	71	39
RA	10S	25E	11				1	158	158	158
RA	10S	25E	17				11	12	44	24
RA	10S	25E	18				4	30	40	38
RA	10S	25E	19				9	22	110	54
RA	10S	25E	20				1	235	235	235
RA	10S	25E	27				3	12	25	18
RA	10S	25E	29				4	35	40	39
RA	10S	25E	31				10	14	50	26
RA	10S	25E	32				5	18	60	34
RA	10S	25E	34				5	18	75	42
RA	10S	25E	35				2	240	270	255

Record Count: 72

YATES PETROLEUM CORPORATION

Reserve Pit Solidification Procedure

1. Diagram of deep burial trench(s) is provided with application for closure (form C-144)



Reserve pit 150' x 150'

2. **Solidification of Cuttings**:
   (A) The cuttings will be mixed with a track hoe. Contents will be lifted and dropped so as to create a stirring process. This process will continue until CKD and pit contents are thoroughly bonded.
   (B) The solidification material will be Cement Kiln Dust (CKD).
   (C) CKD to pit contents ratio will be 1 yard of pit contents to 240 lbs. of CKD or 1,000 cubic yards of pit contents to 120 tons of CKD. Pit contents will be measure to determine actual volume (length x width x depth /27). CKD is weighed and delivered to the site in 40,000 lb increments.

   A 1,200 cubic yard work pit is constructed inside the original reserve pit beside the encapsulation/solidification trench. One thousand cubic yards of pit contents will be placed in the work trench along with six 20 ton loads of CKD to begin the mixing process.
   (D) Fresh water may be introduced to initiate the bonding process of CKD and pit contents.
   (E) In order to assure proper mixing, all CKD is precisely weighed before delivery and pit construction is measured to a pre-determined need depending on exact volume of pit contents.

3. A minimum of three representative samples will be taken from pit contents prior to any work. These samples will be stored in closed containers.

4. Each stage being mixed will be sampled prior to transferring the slurry to the deep trench as follows:
   (A) One sample of the slurry will be taken at the beginning of the transference and stored in a closed container.
   (B) One sample of the slurry will be taken at the beginning of the transference and stored in an open container.
   (C) One sample of the slurry will be taken at the end of the transference and stored in a closed container.
   (D) One sample of the slurry will be taken at the end of the transference and stored in an open container.

5. All samples will be stored in environmentally approved containers.

6. All samples and associated paperwork will be delivered to the OCD office within 3 working days of closure.