

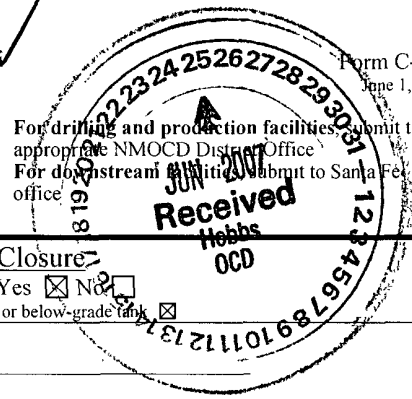
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

Form C-144  
June 1, 2004



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 4<sup>th</sup> Street, Artesia, NM 88210

Facility or well name Merle State Unit #11 API # 30-025-38252 U/L or Qtr/Qtr A Sec 11 T 10S R 34E

County Lea Latitude 33.46704 Longitude 103.42777 NAD 1927 ☒ 1983 ☐

Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

WTR 50-75'

**Pit**

Type Drilling ☒ Production ☐ Disposal ☐

Work over ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type Synthetic ☒ Thickness 12 mil Clay ☐

Pit Volume 24,000 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 elevation of ground water) \_\_\_\_\_ an 100 feet

(20 points) XXXX

(10 points)

(0 points)

Wellhead protection area source, or less than 1000 ft

(20 points)

(0 points) XXXX

Distance to surface water (canals, ditches, and perennial watercourses), playas, irrigation

Less than 200 feet

200 feet or more, but less than 1000 feet

1000 feet or more

(20 points)

(10 points)

(0 points) XXXX

Ranking Score (Total Points)

20 points

Samples are to be obtained from pit floor area in each quadrant and analysis submitted to NMOCD prior to back-filling. (Chloride)

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 workplan 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 placed over the pit contents with a minimum of a 3' over lap of the underlying trench areas The trench will then be backfilled to grade using a minimum of 3' of clean soil or like material 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

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 06/18/2007

Printed Name/Title Mike Stubblefield / Environmental 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 L. Johnson - ENVIR ENGR

Signature L. Johnson

Date 6.27.07



## USGS SEO TWN 09S-15S CHAVES LEA GW

MERLE STATE UNIT #11  
30-025-38252

	F	G	H	I	J	K	L
3	COUNTY	SOURCE	USGS SITE NUM.	QTY	SITE LOCATION	DATE	LEVEL
193	LEA	SEO		1	10S.34E.20.43311	1981-02-25	34.11
194	LEA	SEO		1	10S.34E.27.14210	1976-05-04	54.92
195	LEA	SEO		1	10S.34E.27.14222	1991-01-25	50.78
196	LEA	SEO		1	10S.34E.32.13144	1954-05-06	6.85
197	LEA	SEO		1	10S.34E.36.412134	1981-04-10	43.29



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

MERLE STATE UNIT #11  
30-025-38252

Township:  Range:  Sections:

NAD27 X:  Y:  Zone:  ☐ Search Radius:

County:  ☐ Basin:  ☐ Number:  Suffix:

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

**AVERAGE DEPTH OF WATER REPORT 06/18/2007**

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
L	11S	34E	03				1	80	80	80
L	11S	34E	07				1	85	85	85
L	11S	34E	08				1	32	32	32
L	11S	34E	16				3	45	80	57
L	11S	34E	17				1	43	43	43 ✓
L	11S	34E	18				1	60	60	60
L	11S	34E	19				1	45	45	45
L	11S	34E	21				1	25	25	25
L	11S	34E	28				1	30	30	30
L	11S	34E	32				1	40	40	40
L	11S	34E	35				1	25	25	25

Record Count: 13

