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

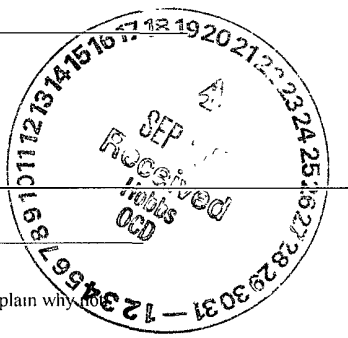
Form C-144
June 1, 2004

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 Merle State Unit #12 API # 30-025-38392 U/L or Qtr/Qtr O Sec 14 T 10S R 34E
County Lea Latitude 33 45343 Longitude 103 43323 NAD 1927 ☒ 1983 ☐
Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐



Pit	**Below-grade tank**	
Type Drilling ☒ Production ☐ Disposal ☐ Work over ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume 24000 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) XXXX (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 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) (10 points) (0 points) XXXX
	Ranking Score (Total Points)	**10 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 workplan for drilling pit The drilling pit contents will be mixed to stiffen the pit contents A encapsulation trench will be excavated and lined with a 12 mil synthetic liner on former drilling pit site Drilling pit contents will then be emplaced into the encapsulation trench A 20 mil synthetic liner will then be placed over the pit contents with a minimum of a 3' over lap of the underlying trench areas The encapsulation trench will then be backfilled to grade using a minimum of 3' of clean soil and like material A one call and 48 hour notice will be provided to the Oil Conservation Division before pit closure actions begin

Pit Closure actions to begin by NA Ending date NA

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 09/19/2007
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 ____ Signature ENVIRONMENTAL ENGINEER Date 9.25.07

TALON LPE

WELL REPORT

MERLE STATE #13

1) Well Location

County	Physical Address	City	State	Zip
Lea	Cross Roads N.M.	Cross Roads	N.M.	

2) GPS Coordinates

Latitude	Longitude
33° 26' 56 N	103° 26' 16 W

3) Proposed Use of Well (Check One)

☐ Monitor Well ☑ Soil Boring ☐ Other

4) Drilling Dates

Start Date	Completion Date

5) Diameter of Hole

Diameter (inches)	From (Feet)	To (Feet)
7 7/8	0	70'

6) Drilling Method (Check One)

☐ Air Rotary ☐ Mud Rotary ☑ H.S.A. ☐ Other

7) Monitor Well / Soil Boring Number

MW # SB # /

8) Well/Boring Soil Description

From (Feet)	To (Feet)	Description and color of formation material
0	3'	Light Brown Top Soil
3'	10'	Light tan silty caliche
10'	18'	"
18'	23'	hard caliche Rock
23'	35'	Light tan caliche some Rock
35'	48'	Light tan caliche
48	70'	Light greenish gray clay

9) Borehole Completion (Sanding Information)

Gravel From	Gravel To (Feet)	Sand Size	Bags Used
0	0	0	0

10) Borehole Completion (Sanding Information)

Screen From	Screen To (Feet)	Material	Diameter	Screen Slot Size
0	0	0	0	0
Casing From	**Casing To (Feet)**	**Material**	**Diameter**	**Casing Schedule**
0	0	0	0	0

11) Cementing Data

	Cement From	Cement To	Number of Sacks Used
Surface Seal	0 ft.	2' ft.	1 Cement
Seal to Bent.	2' ft.	70' ft.	10 Bentonite

12) Water Level

N/A ft below ground surface

13) Water Quality

Did the water contain fuel (PSH)? ☐ Yes ☑ No

14) # Drums 0

15) Job # Yates P027 SPL 2

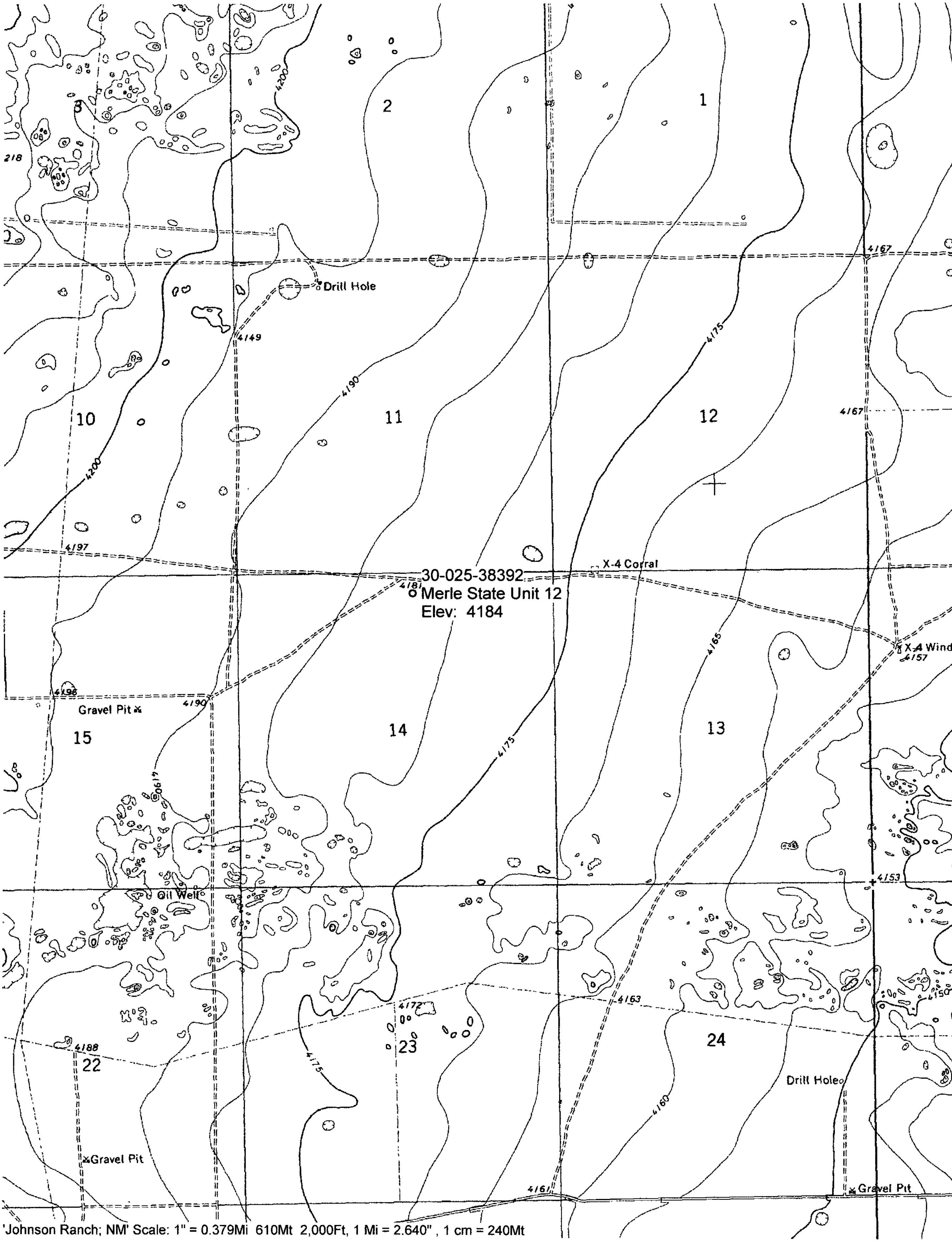
16) Driller Troy Lucas

17) Owner Information

MERLE STATE UNIT 12
30-025-38392

USGS SEO TWN 09S-15S CHAVES LEA GW

	A	B	C	D	E	F	G	H	I	J	K	L
3	UL	SEC	TWN	RNG	SPOT	COUNTY	SOURCE	USGS SITE NUM.	QTY	SITE LOCATION	DATE	LEVEL
600	D	03	11S	34E	11	LEA	SEO		1	11S.34E.03 11		80.00
601	B	05	11S	34E	21114	LEA	SEO		1	11S 34E.05.21114	1996-02-13	32.07
602	A	07	11S	34E	22	LEA	SEO		1	11S.34E.07.22		85.00



'Johnson Ranch; NM' Scale: 1" = 0.379Mi 610Mt 2,000Ft, 1 Mi = 2.640" , 1 cm = 240Mt