

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE - ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address Melrose Operating Co. c/o P.O. Box 953 Midland, TX 79702		<sup>2</sup> OGRID Number 184860
		<sup>3</sup> API Number 30-0 25-37/38
<sup>4</sup> Property Code 25191	<sup>5</sup> Property Name Jalmat Yates Sand Unit	
		<sup>6</sup> Well No. 217

7 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	22S	35E		10'	North	2460'	West	Lea

8. Proposed Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9. Proposed Pool 1 Jalmat (T-Y-7R)					10. Proposed Pool 2				

11. Work Type Code N	12. Well Type Code O	13. Cable/Rotary R	14. Lease Type Code S	15. Ground Level Elevation 3588'
16. Multiple no	17. Proposed Depth 4200'	18. Formation Yates	19. Contractor United Drlg.	20. Spud Date 3-24-05


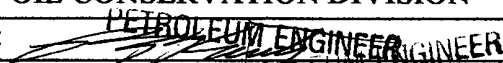
21. Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	350'	250 sx	surface
7 7/8"	5 1/2"	15.5#	4200'	1200 sx	surface

22. Describe the proposed program. If this is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Propose to drill 12 1/4" hole to 350', set 8 5/8" casing to 350', cement w/250 sx CI C circulating to surface. Drill 7 7/8" hole to 4200', run open hole logs, set production string casing to TD, cementing w/1200 sx CI C, circulating to surface. Will perforate and stimulate and test.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Ann E. Ritchie		Approved by: 	
Title: Regulatory Agent		Title: PETROLEUM ENGINEER	
Date: 3-9-05		Approval Date: MAR 15 2005	
Phone: 432 684-6381		Expiration Date:	
		Conditions of Approval: Attached: <input type="checkbox"/>	

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1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <i>30-025-37138</i>	Pool Code <i>33820</i>	Pool Name <i>Jalmat (T-Y-7R)</i>
Property Code <i>25191</i>	Property Name <i>JALMAT YATES SAND UNIT</i>	Well Number <i>217</i>
OGRID No. <i>184860</i>	Operator Name <i>MELROSE OPERATING COMPANY</i>	Elevation <i>3588'</i>

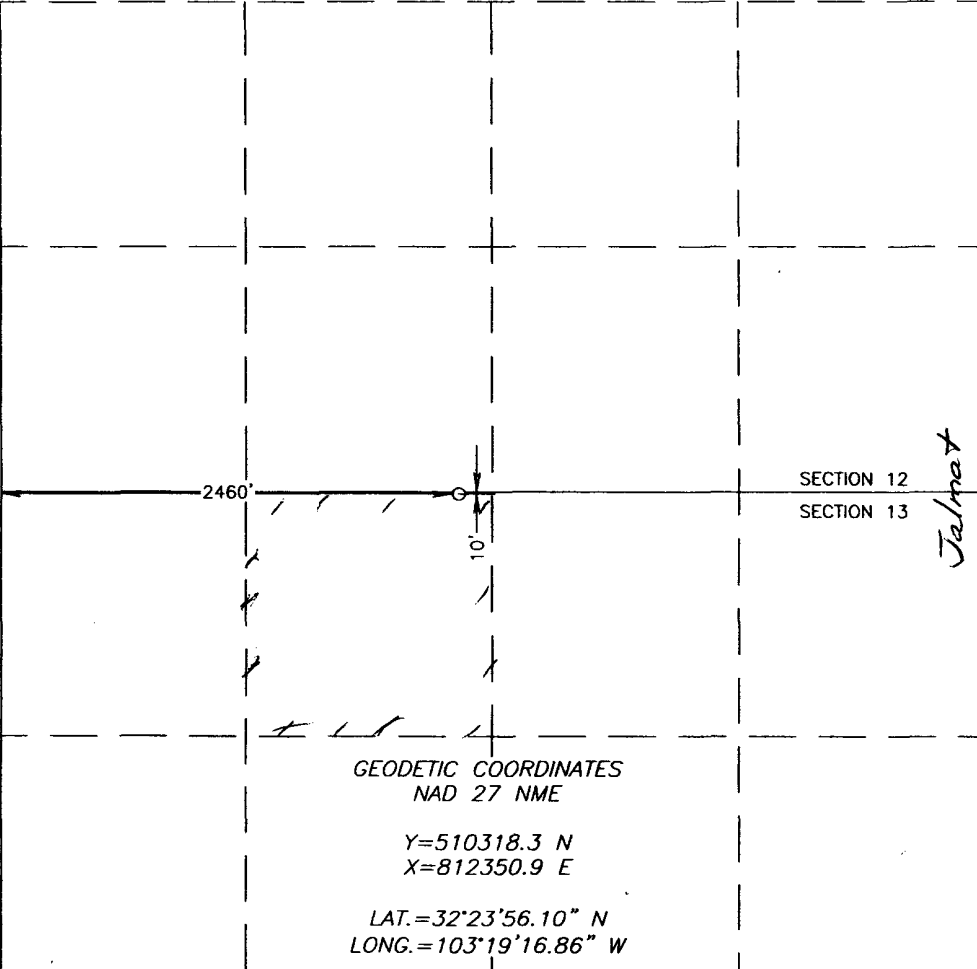
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	22-S	35-E		10	NORTH	2460	WEST	LEA

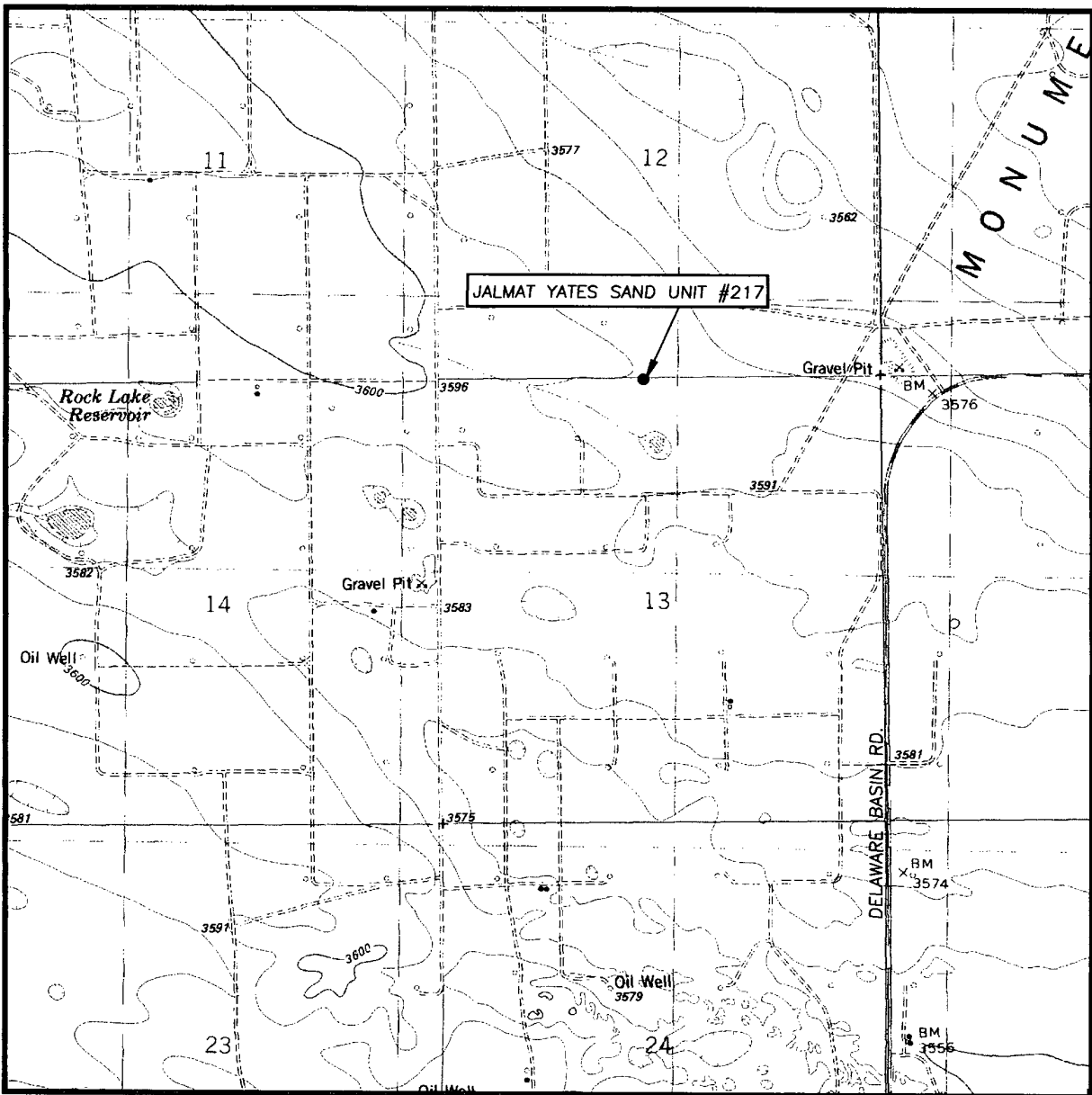
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <i>40</i>	Joint or Infill	Consolidation Code	Order No. <i>water flood unit</i>						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Ann E. Ritchie</i> Signature Ann E. Ritchie Printed Name Regulatory Agent Title 3-9-05 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>FEBRUARY 18, 2005</p> <p>Date Surveyed Signature &amp; Seal of Professional Surveyor GARY G. EIDSON JR NEW MEXICO 12641 05.11.0305 Certificate No. 12641</p>
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# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
OIL CENTER, N.M. - 10'

SEC. 13 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

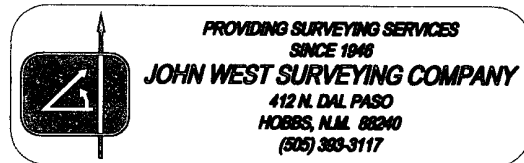
DESCRIPTION 10' FNL & 2460' FWL

ELEVATION 3588'

OPERATOR MELROSE  
OPERATING COMPANY

LEASE JALMAT YATES SAND UNIT

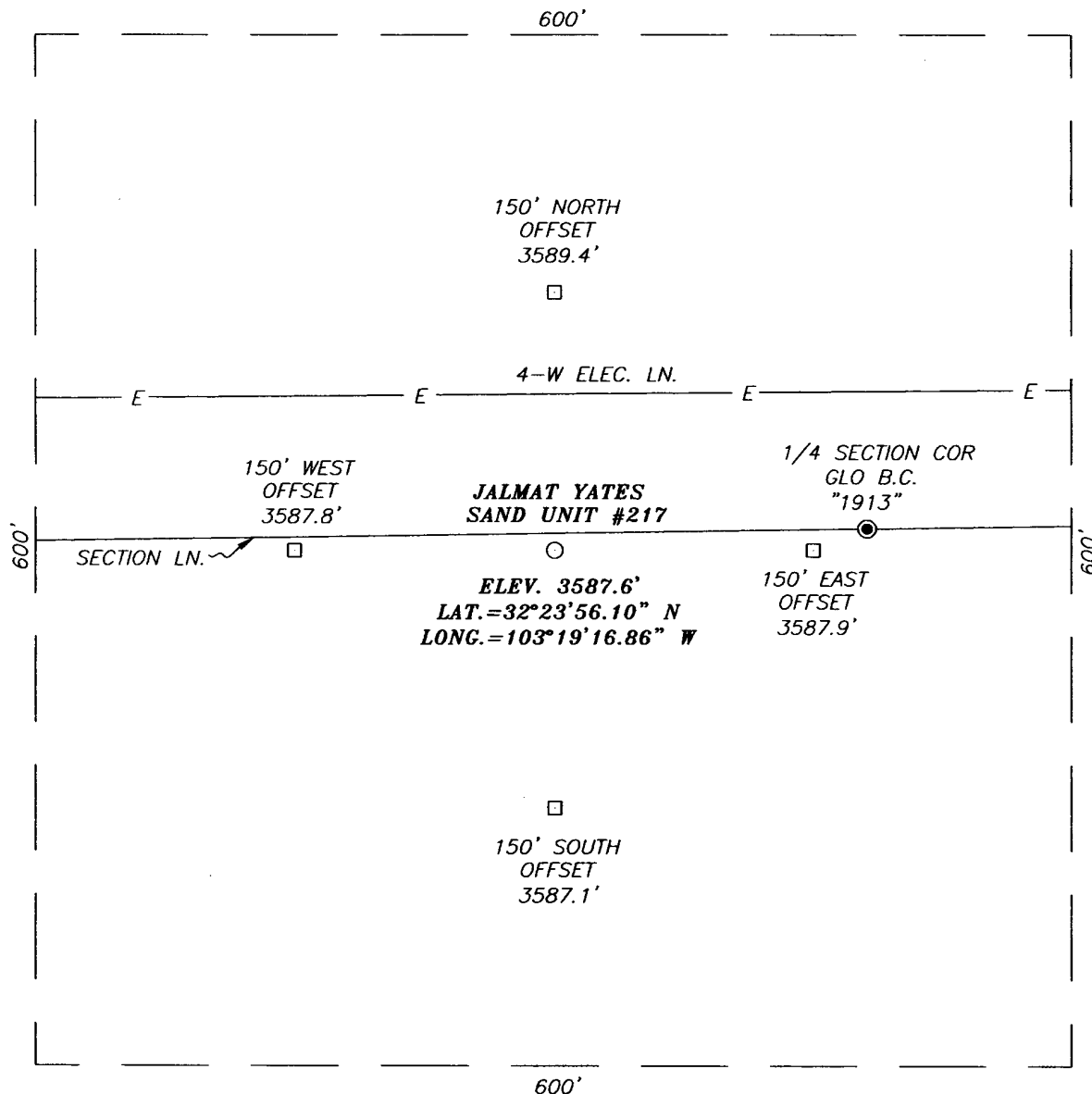
U.S.G.S. TOPOGRAPHIC MAP  
OIL CENTER, N.M.



# SECTION 13, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,

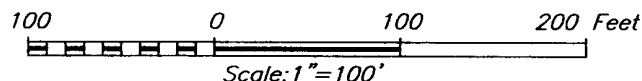
• LEA COUNTY,

NEW MEXICO



## DIRECTIONS TO LOCATION

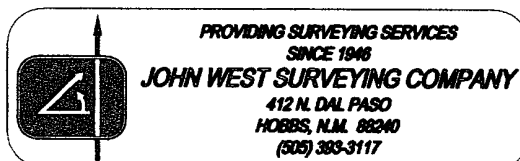
FROM THE INTERSECTION OF CO. RD. #21 (DELAWARE BASIN RD.) AND WEAVER RD., GO WEST CO. RD. #21 FOR APPROX. 0.75 MILES TO A CALICHE ROAD ON THE RIGHT. TURN RIGHT (NW) AND GO APPROX. 0.15 MILES TO A CALICHE ROAD ON THE LEFT. TURN LEFT (WEST) AND GO APPROX. 0.8 MILES. TURN LEFT (SOUTH) AND GO APPROX. 0.15 MILES TO THE JALMAT YATES SAND UNIT #169 WELL. THIS LOCATION IS APPROX. 1100' EAST.



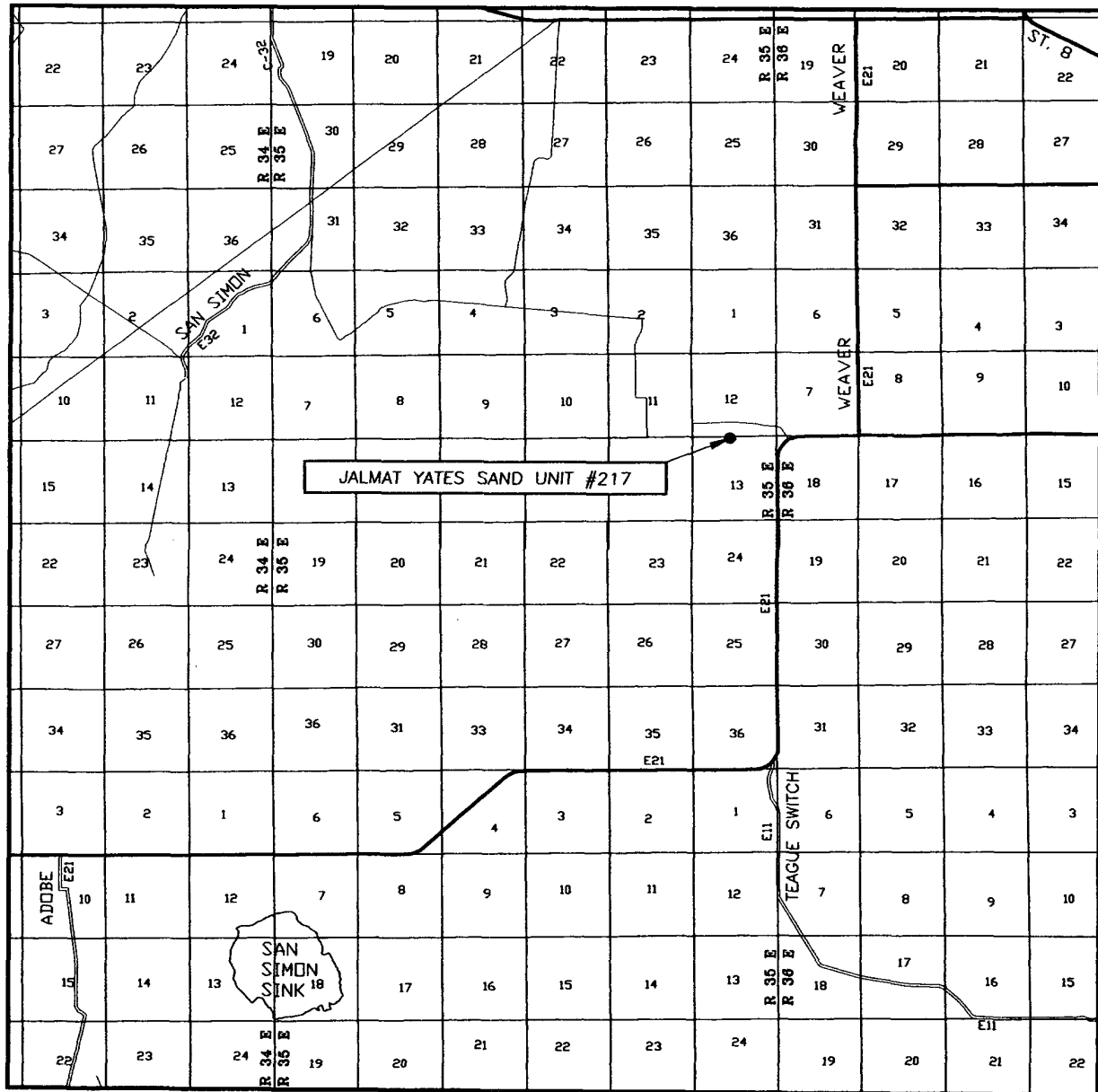
## MELROSE OPERATING COMPANY

JALMAT YATES SAND UNIT #217 WELL  
LOCATED 10 FEET FROM THE NORTH LINE  
AND 2460 FEET FROM THE WEST LINE OF SECTION 13,  
TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.

Survey Date: 2/18/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0305	Dr By: J.R.
Date: 2/22/05	Disk: CD#5
05110305	Scale: 1"=100'



# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 13 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

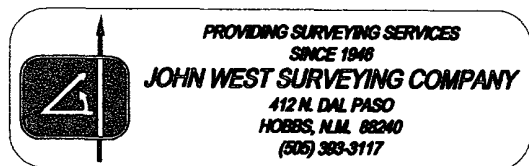
COUNTY LEA

DESCRIPTION 10' FNL & 2460' FWL

ELEVATION 3588'

OPERATOR MELROSE  
OPERATING COMPANY

LEASE JALMAT YATES SAND UNIT



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1220 S. St. Francis Dr., Santa Fe, NM 87504-

State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

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

**Pit or Below-Grade Tank Registration or Closure**

Is pit below-grade tank covered by a "general plan" Yes ☐ No ☒

Type of action Registration of a pit or below-grade tank ☒ Closures of a pit or below-grade tank ☐

Operator: <u>Melrose Operating Company</u> Telephone: <u>432 6846381</u> e-mail address: <u>ann.ritchie@wtor.net</u>		
Address: <u>c/o P.O. Box 953, Midland, TX 79702</u> <u>30-025-37138</u>		
Facility or well name: <u>Cone/Jalmat Yates Unit</u> API 4 <u>pending</u> U/L or Qtr/Qtr <u>See</u> <u>13</u> <u>T22S</u> <u>R 35E</u>		
County: <u>Lea</u>	Latitude	Longitude
NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> Surface Owner Federal State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
Section 13, T22S, R35E <u>Cone #1224125 &amp; Jalmat #217</u>		
Pit Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mm Clay <input type="checkbox"/> Pit Volume <u>8000</u> bbl		
Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) <u>350'</u>	Less than 100 feet 100 feet or more, build less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 0
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 No	(20 points) (0 points) 0
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) 0
Ranking Score (Total Points)		0 Points

Is this an oil 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 \_\_\_\_\_ (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 \_\_\_\_\_ FL and attach sample results. (.)

Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

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: 3-9-05

Printed Name title Ann E. Ritchie, Regulatory Agent

Signature [Signature]

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

PETROLEUM ENGINEER

Signature [Signature]

Date:

MAR 15 2005

Melrose Operating Company  
Drilling Rig Pad Schematic  
*Conc 122, 123 and Talmat 217 & 218*  
Lea County, New Mexico  
Wellbore is 40' North of the pit

