

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.  
Santa Fe, NM 87505

Form C-105  
Revised 1-1-89

WELL API NO. 30-025-35307
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>							
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				7. Lease Name or Unit Agreement Name  Jalmat Field Yates Sand Unit			
b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>				8. Well No. 171			
2. Name of Operator Melrose Operating Co.				9. Pool name or Wildcat Jalmat (TN-YT-7R)			
3. Address of Operator PO Box 5061, Midland, TX 79704							
4. Well Location Unit Letter <u>F</u> <u>2630</u> Feet From The <u>North</u> Line and <u>2500</u> Feet From The <u>West</u> Line Section <u>11</u> Township <u>22S</u> Range <u>35E</u> NMPM Lea County							
10. Date Spudded 01/29/01	11. Date T.D. Reached 02/03/01	12. Date Compl. (Ready to Prod.) 02/22/01	13. Elevations (DF & RKB, RT, GR, etc.) 3611	14. Elev. Casinghead			
15. Total Depth 4180	16. Plug Back T.D. 4130	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools	20. Was Directional Survey Made Yes			
19. Producing Interval(s), of this completion - Top, Bottom, Name 3872 - 4126				22. Was Well Cored No			
21. Type Electric and Other Logs Run LDT-CNL-GR & DLL-GR							
<b>23. CASING RECORD (Report all strings set in well)</b>							
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
8-5/8"	24# J-55	406	12-1/4	250 sx CI P+	-		
5-1/2"	15.5# J-55	4174	7-7/8"	630 sx Hilite P + 200 sx CI P	-		
<b>24. LINER RECORD</b>			<b>25. TUBING RECORD</b>				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	4110	
26. Perforation record (interval, size, and number) 3872-3908, 13-16, 24-30, 34-50, 58-82, 3998-4038, 72-80, 86-88, 4094-4110, 16-26 (322 shots, 4.5" OD jet perf gun)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
				DEPTH INTERVAL			AMOUNT AND KIND MATERIAL USED
				3872-4126			6000 gal 15% NEFE
							1694 bbls 20# Delta 140 +
							162300# 16/30 sd
<b>28. PRODUCTION</b>							
Date First Production 02/22/01		Production Method (Flowing, gas lift, pumping - Size and type pump) Pmp 320 pmp jack				Well Status (Prod. or Shut-in) Prod	
Date of Test 02/27/01	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 100	Gas - MCF 75	Water - Bbl. 398	Gas - Oil Ratio 750
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 100	Gas - MCF 398	Water - Bbl. 75	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By Tony Beilman	
30. List Attachments logs, deviation survey							
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
Signature <u>Bonnie Atwater</u>				Printed Name <u>Bonnie Atwater</u>		Title <u>Agent</u> Date <u>06/05/01</u>	

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all specific tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

New Mexico		Northwestern New Mexico	
T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____ 3340.0	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 3826.0	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permain _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## OIL OR GAS SANDS OR ZONES

**OIL OR GAS SANDS OR ZONES**

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

**IMPORTANT WATER SANDS**  
Include data on rate of water inflow and elevation to which water rose in hole.  
No. 1 from \_\_\_\_\_

No. 1, from ..... to ..... feet  
No. 2, from ..... to ..... feet  
No. 3, from ..... to ..... feet

**LITHOLOGY RECORD** (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology
0.0	2400.0	2400.0	Anhy
2400.0	4100.0	1700.0	Dolo

FEB 08 2001

WELL NAME AND NUMBER Jalmat Field Yates Sand Unit No. 171LOCATION 2630' FNL & 2500' FEL, Section 11, T22S, R35E, Lea County NMOPERATOR Melrose Operating CompanyDRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/4° 406'</u>	<u>1/2° 4180'</u>	<u>                    </u>
<u>1/4° 505'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 1000'</u>	<u>                    </u>	<u>                    </u>
<u>1° 1523'</u>	<u>                    </u>	<u>                    </u>
<u>3/4° 1999'</u>	<u>                    </u>	<u>                    </u>
<u>1° 2527'</u>	<u>                    </u>	<u>                    </u>
<u>1° 2992'</u>	<u>                    </u>	<u>                    </u>
<u>1-1/4° 4924'</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor United Drilling, Inc.By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 5<sup>th</sup> day of February,  
2001.

Karna Tankersley  
Notary Public

My Commission Expires: 9-25-2003County ChavesState NM