

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

District
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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 S. St. Francis Dr.
Santa Fe, NM 87504

Form C-105

Revised March 25, 1999

WELL API NO. 30 015 33286
5. Indicate Type of Lease STATE ☒ FEE ☐
State Oil & Gas Lease No.
7 Lease Name or Agreement Name Artesia Unit
8. Well No. 102
9. Pool name or Wildcat Artesia, Queen-Grayburg-San Andres (03230)

RECEIVED

JUN 10 2004

OCD-ARTESIA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Ia. Type of Well:
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR ☐ OTHER _____

2. Name of Operator
Melrose Operating Company (432) 684-6381

3. Address of Operator
c/o P.O. Box 953, Midland, TX 79702

4. Well Location
Unit Letter J 2396' Feet From The South Line and 2372' Feet From The East Line
Section 3 Township 18S Range 28E NMPM Eddy County

10. Date Spudded 3-18-04	11. Date T.D. Reached 3-24-04	12. Date Compl. (Ready to Prod) 5-5-04	13. Elevations (DF& RKB, RT, GR, etc.) 3660' GR	14. Elev. Casinghead
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15. Total Depth 3500'	16. Plug Back T.D. 3490'	17. If Multiple Compl. How Many Zones? N/A	18. Intervals Drilled By X	Rotary Tools	Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name
1880-1944; 2164-2452'; 2576-2584' Grayburg/San Andres

20. Was Directional, Survey Made
no

21. Type Electric and Other Logs Run
GR/CCL/CBL/Dual Laterlog

22. Was Well Cored
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	453'	12 1/4"	400 SX	circulated to surface
5 1/2"	17#	3490'	7 7/8"	1050 SX	circulated to surface

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 3/8"	2588'	—

26. Perforation record (interval, size, and number)
1880-86;1938-44;2164-68;2172-82;2286-94;2348-60;2406-14;2419-21;2434-40;2446-2452;2576-2584' w/2 spf

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL
1880-2584'
AMOUNT AND KIND MATERIAL USED
232 bbl acid frac

PRODUCTION

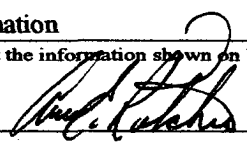
28. Date First Production 5-5-04		Well Status (Prod. or Shut-in)) pumping					
Date of Test 5-20-04	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 19	Gas - MCF TSTM	Water - Bbl. 180	Gas - Oil Ratio n/a
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold used for fuel, vented, etc.),
Sales

Test Witnessed By

30. List Attachments
C-104, logs, inclination

I hereby certify that the information shown on both sides of this form are true and complete to the best of my knowledge and belief.

Signature  Printed Name Ann E. Ritchie Title Regulatory Agent Date 6-6-04

API # 30 015 33286
6-6-04

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg 1880	T. Montoya
T. San Andres 2286	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
T. Cisco (Bough C)	T.

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

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

Include data on rate of water inflow and elevation to which water rose in hole.

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

From	To	Thickness In Feet	Lithology

WELL NAME AND NUMBER Artesia Unit No. 102

LOCATION 2396' FSL & 2372' FEL, Section 3, T18S, R28E, Eddy County NM

OPERATOR Melrose Operating Company

DRILLING 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:

Degrees @ Depth

Degrees @ Depth

Degrees @ Depth

3/4° 534'

1° 1001'

1-1/2° 2016'

1-1/4° 2522'

1-1/4° 3001'

1° 3478'

RECEIVED

JUN 10 2004

EDD-ARTESIA

Drilling Contractor United Drilling, Inc.

By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 30th day of March,
2004.

Carlue Martin

Notary Public

My Commission Expires: 10-01-04

Chaves
County

New Mexico
State

COMPUTALOG

Wireline Services



MICRO-SPHERICALLY FOCUSED
DUAL LATEROLOG

COMPANY MELROSE OPERATING WELL ARTESIA UNIT WELL #102 FIELD ARTESIA COUNTY EDDY STATE NEW MEXICO	COMPANY		MELROSE OPERATING	
	WELL		ARTESIA UNIT WELL #102	
	FIELD		ARTESIA	
	COUNTY		EDDY	
	STATE		NEW MEXICO	
Location		2396' FSL & 2372' FEL SEC 3, TWP 18S, RGE 28E		Other Services
API		30-0-15-33286		SPED/CNT
SEC.		03		TWP 18S
				RGE 28E
Perm. Datum		GROUND LEVEL		Elev. 3660 ft
Log measured from		K.B.		10 ft above
Permanent Datum.				
Date		MARCH 24, 2004		ELEV. K.B. 3670
Run No.		ONE		D.F. 3669
Bot. Driller		3500 ft.		G.L. 3660
Bot. Logger		3370 ft.		
First Reading		3367 ft.		
Last Reading		454 ft.		
Log Interval		2913 ft.		
Csg. Driller		8.625 in. @ 450 ft.		
Csg. Logger		454 ft.		
Bit Size		7.875 in.		
Fluid Type		BRINE		
Dens.	Visc.	9.8 lbm/gal	28 s	lbm/gal s
pH	Fluid Loss	10.0	N/A cc	cc
Sample Source		MUD PIT/MEASURED		
Rm @Temp.-meas	0.5 ohm-m @ 72 °F		ohm-m @ °F	ohm-m @
Rmf @Temp.-meas	N/A ohm-m @ N/A °F		ohm-m @ °F	ohm-m @
Rmc @Temp.-meas	N/A ohm-m @ N/A °F		ohm-m @ °F	ohm-m @
Rm @BHT -calc	0.4 ohm-m @ 94 °F		ohm-m @ °F	ohm-m @
Rmf @BHT -calc	N/A ohm-m @ N/A °F		ohm-m @ °F	ohm-m @
Last Circ.	MAR 24 - 1000 hrs.		- hrs.	- h
Max Rec. Temp	94 °F		°F	°F
Operating Time	3.0 hrs.		hrs.	hrs.
Unit#	386		ODESSA	
Recorded By	G. ROBEY			
Witnessed By	G. NEWTON			