

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

DISTRICT II
811 South First, 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 South Pacheco
Santa Fe, New Mexico 87505

Form C-105
Revised 1-1-89

WELL API NO. 30-025-36103
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. A-983

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well: OIL WELL ☒ GAS WELL ☒ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name Sapphire State	
b. Type of Completion NEW WELL ☒ WORK OVER ☐ Deepen ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____		8. Well No. 4	
2. Name of Operator Mack Energy Corporation		9. Pool name or wellcat Langhe Mary SR - GR	
3. Address of Operator P.O. Box 960, Artesia, NM 88211-0960		Grayburg	
4. Well Location Unit Letter <u>F</u> : <u>1650</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>West</u> Line Section <u>11</u> Township <u>23S</u> Range <u>36E</u> NMPM <u>Lea</u> County			
10. Date Spudded 2/16/2003	11. Date TD Reached 3/17/2003	12. Date Compl. (Ready to Prod.) 4/16/2003	13. Elevations (DF & RKB, RT, GR, etc.) 3451' RKB
14. Elev. Casinghead 3439'			
15. Total Depth 8030'	16. Plug Back TD 3840'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools Yes
19. Producing Interval(s), of this completion - Top, Bottom, Name 3744.5-3779', Grayburg		20. Was Directional Survey Made Yes	
21. Type Electric and Other Logs Run Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray		22. Was Well Cored No	

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	312	17 1/2	350 sx	None
9 5/8	40	3696	12 1/4	1550 sx	None
5 1/2	17	6509	7 7/8	1625 sx	None

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8		

26. Perforation record (interval, size, and number) 3744.5-3779', .42, 16	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
	3744.5-3779'	6 bbls 15% NEFF

28. PRODUCTION							
Date First Production N/A		Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2x2x16' Pump				Well Status (Prod. or Shut-in) Shut-in	
Date of Test N/A	Hours Tested 24 hours	Choke Size	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF tstn	Water- Bbl. 360	Gas - Oil Ratio 0
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.) N/A	Test Witnessed By Robert C. Chase
---	--------------------------------------

30. List Attachments Deviation Survey, Logs
--

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 <i>Jerry W. Sherrell</i>	Printed Name Jerry W. Sherrell	Title Production Clerk	Date 12/19/2003

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 special 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

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2970	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 3164	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 3550	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____ 3728	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 4295	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 5622	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____ 6122	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____ 7004	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____ 7130	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____ 7408	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

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