

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
Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-105
Revised 1-1-89
c151
BDM
Bojw
St. Lel

WELL API NO. 30-015-31349
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-936
7. Lease Name or Unit Agreement Name Harper State
8. Well No. 4Y
9. Pool name or Wildcat Loco Hills Paddock

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1. 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 Mack Energy Corporation					
3. Address of Operator P.O. Box 960, Artesia, NM 88211-0960					
4. Well Location Unit Letter <u>I</u> : <u>2170</u> Feet From The <u>South</u> Line and <u>990</u> Feet From The <u>East</u> Line Section <u>16</u> Township <u>17S</u> Range <u>30E</u> NMPM <u>Eddy, NM</u> County					
10. Date Spudded 9/10/00	11. Date TD Reached 9/22/00	12. Date Compl. (Ready to Prod.) 10/4/00	13. Elevations (DF & RKB, RT, GR, etc.) 3688 RKB	14. Elev. Casinghead 3676	
15. Total Depth 4950	16. Plug Back TD 4932	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools Yes	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 4347.5-4754 Paddock					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, K-55	48	477	17 1/2	450 sx	
8 5/8 J-55	24	1212	12 1/4	525 sx	
5 1/2 J-55	17	4946	7 7/8	935 sx	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2 7/8	4770				
26. Perforation record (interval, size, and number) 4347.5-4754, .41, 90			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
			DEPTH INTERVAL		
			AMOUNT AND KIND MATERIAL USED		
			4347.5-4754 2500 gals 15% NE acid		
			4347.5-4754 32000 gals 20% acid 54,000 gals 40# gel		
			4347.5-4754 5000 gals 15% acid		

28. PRODUCTION							
Date First Production 10/13/00		Production Method (Flowing, gas lift, pumping - Size and type pump) 2 1/2 x 2 x 20' HVR				Well Status (Prod. or Shut-in) Producing	
Date of Test 10/18/00	Hours Tested 24	Choke Size None	Prod'n For Test Period	Oil - Bbl. 85	Gas - MCF 107	Water- Bbl. 485	Gas - Oil Ratio 1260
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 85	Gas - MCF 107	Water- Bbl. 485	Oil Gravity - API - (Corr.) 38	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By Robert Chase	

30. List Attachments			
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>Crissa D. Carter</u>	Printed Name Crissa D. Carter	Title Production Analyst	Date 10/27/00

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 _____ 1204	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1502	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 2104	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2826	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 4284	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. Permian _____	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