

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

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

Revised 1-1-89

WELL API NO.
30-015-32062

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
E-4201

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 P : 330 Feet From The South Line and 865 Feet From The East Line
Section 19 Township 17S Range 29E NMPM Eddy County

7. Lease Name or Unit Agreement Name
State S-19

8. Well No.
21

9. Pool name or Wildcat
Empire Yeso

10. Date Spudded
2/23/02

11. Date TD Reached
3/6/02

12. Date Compl. (Ready to Prod.)
3/25/02

13. Elevations (DF & RKB, RT, GR, etc.)
3662' RKB

14. Elev. Casinghead
3649'

15. Total Depth
4375'

16. Plug Back TD
4336'

17. If Multiple Compl. How Many Zones?
1

18. Intervals Drilled By
Rotary Tools
Yes

19. Producing Interval(s), of this completion - Top, Bottom, Name
3841'-4178' 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

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	349'	17 1/2	375 sx	None
8 5/8	24	810'	12 1/4	500 sx	None
5 1/2	17	4350'	7 7/8	860 sx	None

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2 7/8	4200'	

26. Perforation record (interval, size, and number)
3841'-4178', .41, 89

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3841'-4178'	2500 gals 15% NEFE acid
3841'-4178'	32000 gals 20% HCL, 54000 40# gel
3841'-4178'	5000 15% HCL acid

PRODUCTION

28. Date First Production
3/30/02

Production Method (Flowing, gas lift, pumping - Size and type pump)
2 1/2x2x16' RHBC HVR PAP BNC

Well Status (Prod. or Shut-in)
Producing

Date of Test 4/6/02	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 116	Gas - MCF 183	Water- Bbl. 215	Gas - Oil Ratio 1578
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 116	Gas - MCF 183	Water- Bbl. 215	Oil Gravity - API - (Corr.) 38	

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

Test Witnessed By
Robert C. Chase

30. List Attachments
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 Crissa D. Carter Printed Name Crissa D. Carter Title Production Analyst Date 4/15/02

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 _____ 742	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____ 1006	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____ 1610	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____ 2283	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____ 3736	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