



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC058728

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
MACK ENERGY CORPORATION

Contact: ROBERT CHASE
E-Mail: jerrys@mackenergycorp.com

8. Lease Name and Well No.
LEOPARD FEDERAL 1

3. Address P O BOX 960
ARTESIA, NM 88211-0960

3a. Phone No. (include area code)
Ph: 505.748.1288

9. API Well No.
30-025-36601-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 34 T17S R32E Mer NMP
At surface SENW 2310FNL 1650FWL

10. Field and Pool, or Exploratory
MALJAMAR GRAYBURG SA

11. Sec., T., R., M., or Block and Survey
or Area Sec 34 T17S R32E Mer NMP

At top prod interval reported below

12. County or Parish
LEA

13. State
NM

At total depth

14. Date Spudded
03/21/2004

15. Date T.D. Reached
04/07/2004

16. Date Completed
☐ D & A ☒ Ready to Prod.
04/29/2004

17. Elevations (DF, KB, RT, GL)*
3933 GL

18. Total Depth: MD 5360
TVD 5360

19. Plug Back T.D.: MD 5340
TVD 5340

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
GR N D L SGR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	320		400		0	
12.250	8.625 J-55	32.0	0	2368		625		0	
7.875	5.500 J-55	15.5	0	5354		1060		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4477							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
GRAYBURG-SAN ANDRES	4348	4465	4348 TO 4465		29	1 JSFP
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4348 TO 4465	2500 GALS 15% NEFE, 240,740# 16/30 SAND AND 161,196 GALS 40# GEL

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/08/2004	05/27/2004	24	→	39.0	47.0	750.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		32.0	→	39	47	750		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

ACCEPTED FOR RECORD

(ENG. SGD.) DAVID H. GLASS

JUN 24 2004

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #31236 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **
PETROLEUM ENGINEER

ACCEPTED FOR RECORD

(SGD.) DAVID R. GLASS
JUN 24 2004

KZ

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GRAYBURG-SAN ANDRES	4348	4465		YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	2484 2907 3570 4013 4502

32. Additional remarks (include plugging procedure):

04/22/2004 Perforated 4348'-4465' 29 holes.
04/23/2004 Acidized w/2500 gals 15% NEFE.
04/27/2004 Frac w/240,740# 16/30 sand and 161,196 gals 40# gel.
04/29/2004 RIH w/144 joints 2 7/8" tubing SN @ 4477', RIH w/2 1/2x2x24' pump.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #31236 Verified by the BLM Well Information System.

For MACK ENERGY CORPORATION, sent to the Hobbs

Committed to AFMSS for processing by LINDA ASKWIG on 06/24/2004 (04LA0212SE)

Name (please print) JERRY SHERRELL

Title PRODUCTION CLERK

Signature _____ (Electronic Submission)

Date 06/24/2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****