



Form 3160-4
(August 1999)

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM03428	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator MACK ENERGY CORPORATION		7. Unit or CA Agreement Name and No.	
Contact: ROBERT CHASE E-Mail: jerrys@mackenergycorp.com		8. Lease Name and Well No. PANTHER FEDERAL 01	
3. Address P O BOX 960 ARTESIA, NM 88211-0960		9. API Well No. 30-025-36307-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 31 T17S R32E Mer NMP At surface NWSW Lot 3 1650FSL 370FWL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory TAMANO DELAWARE	
11. Sec., T., R., M., or Block and Survey or Area Sec 31 T17S R32E Mer NMP		12. County or Parish LEA	
13. State NM		17. Elevations (DF, KB, RT, GL)* 3846 GL	
14. Date Spudded 07/10/2003		15. Date T.D. Reached 07/31/2003	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/20/2003			

18. Total Depth: MD TVD 6010 6010	19. Plug Back T.D.: MD TVD 4922 4922	20. Depth Bridge Plug Set: MD TVD
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21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GRNDL SGR	22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)
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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	813		700		0	
12.250	9.625 N-80	54.0	0	2200		750		0	
7.875	5.500 J-55	17.0	0	4933		1255			

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	4704							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DELAWARE	4343	4694	4343 TO 4460	0.000	30	OPEN
B)			4561 TO 4694	0.000	23	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
4343 TO 4460	2500 GALS 15% NEFE, 72,839 GALS 40# GEL, 94,480# 16/30 SAND
4561 TO 4694	1932 GALS 15% NEFE, 66,500 GALS 40# GEL, 93,840# 16/30 SAND

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
09/21/2003	09/21/2003	24	→	162.0	217.0	400.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 32.0	24 Hr. Rate →	Oil BBL 162	Gas MCF 217	Water BBL 400	Gas:Oil Ratio 1340	Well Status POW	

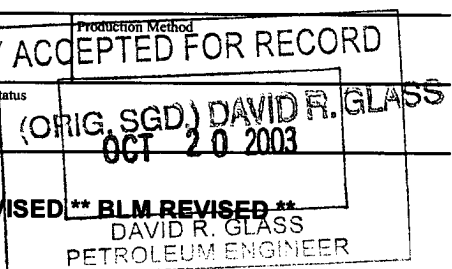
28a. Production - Interval B

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	

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

ELECTRONIC SUBMISSION #23914 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



DAVID R. GLASS
PETROLEUM ENGINEER

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
DELAWARE	4343	4694		YATES SEVEN RIVERS QUEEN GRAYBURG DELAWARE	2290 2720 3371 3769 4343

32. Additional remarks (include plugging procedure):

09/04/2003 Drill out DV tool.
09/05/2003 Perforated from 4561.5-4694' 23 holes.
09/06/2003 Acidized w/1932 gals 15% NEFE.
09/11/2003 Frac w/66,500 gals 40# gel, 93,840# 16/30 sand.
09/12/2003 Perforated from 4343-4460' 30 holes.
09/13/2003 Acidized w/2500 gals 15% NEFE.
09/17/2003 Frac w/72,839 gals 40# gel, 94,480# 16/30 sand.
09/19/2003 RIH w/155 jts 2 7/8" J-55 tubing SN @ 4704'.

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 #23914 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Hobbs
Committed to AFMSS for processing by LINDA ASKWIG on 10/20/2003 (04LA0010SE)**

Name (please print) JERRY SHERRELL

Title PRODUCTION CLERK

Signature _____ (Electronic Submission)

Date 10/20/2003

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 ****

Additional data for transaction #23914 that would not fit on the form

32. Additional remarks, continued

09/20/2003 RIH w/2 1/2x2x24' pump.