

Record Clean UP

SCANNED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

I & E CFO

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No NM-0558263A
b. Type of Completion ☐ New Well ☒ Work Over ☐ Deepen ☒ Plug Back ☐ Drift Resvr. Other _____		6. If Indian, Allottee or Tribe Name
2. Name of Operator Mack Energy Corporation		7. Unit or CA Agreement Name and No
3. Address P.O. Box 960 Artesia, NM 88210		8. Lease Name and Well No Southern Cross 22 Fed Com 2
3a. Phone No. (include area code) (575) 748-1288		9. API Well No. 30-015-31475 S2
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1980' FSL & 800' FEL At top prod. interval reported below At total depth		10. Field and Pool or Exploratory Penasco Draw; Permo Penn (Gas) 11. Sec. T., R., M., on Block Sec. 22 T18S R24E
14. Date Spudded 1/31/2001		12. County or Parish Eddy
15. Date T.D. Reached 2/17/2001		13. State NM
16. Date Completed 7/18/2005		17. Elevations (DF, RKB, RT, GR)* 3732' GR
18. Total Depth: MD TVD 8650		20. Depth Bridge Plug Set: MD TVD 6690'
19. Plug Back T.D.: MD TVD 6655'		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☒ No ☐ Yes (Submit copy)		

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	J-55	32	0	1214		850sx		0	
7 7/8	N-80	11.6	0	8650		1450sx		3480	

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	8366	8450				144	CIBP @ 8340
B) Upper Morrow	8042	8078				66	CIBP @ 7950
C) Cisco	6716	6818				54	CIBP @ 6690'
D) Cisco	6271	6476				110	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, etc.		Amount and Type of Material
Depth Interval		
6716-6868	See 3160-5 for details	
6271-6445	See 3160-5 for details	

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
9/1/05	10/1/05	24	→	0	5	0		0.600	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→	0		0		Producing	

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 page 2)

RECEIVED

JAN 30 2013

NMOOD ARTESIA

ACCEPTED FOR RECORD

JAN 26 2013

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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	Flowg. Press 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	Flowg. Press SI	Csg. Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29 Direction of Gas (Std test for bid, total, 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
				San Andres	880
				Clearfork	2300
				ABO	3910
				Wolfcamp	5040
				Cisco	6270
				Atoka	8140
				Morrow	8360
				Miss	8450

32. Additional remarks (include plugging procedure)

33. Indicate which items have been attached by placing a check in the appropriate boxes

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Summary Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

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

Name (print name) Deana Weaver
 Signature Deana Weaver

Title Production Clerk
 Date 9.14.12

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

(Continued on page 3)

(Form 3160-1, page 2)