

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2006)

SEP 26 2016

NMOCD

Artesia

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMNM132673

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
CALGARY FEDERAL 5

9. API Well No.
30-005-64193-00-S1

10. Field and Pool, or Exploratory
ROUND TANK-SAN ANDRES

11. Sec., T., R., M., or Block and Survey
or Area Sec 24 T15S R28E Mer NMP

12. County or Parish
CHAVES

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3727 GL

18. Total Depth: MD 3435 TVD 3435

19. Plug Back T.D.: MD 3381 TVD 3381

20. Depth Bridge Plug Set: MD TVD

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

1a. 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

Contact: ROBERT CHASE
E-Mail: JERRYS@MEC.COM

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

3a. Phone No. (include area code)
Ph: 575-748-1288

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

At surface SENE 2310FNL 890FEL

At top prod interval reported below SENE 2310FNL 890FEL

At total depth SENE 2310FNL 890FEL

14. Date Spudded
10/12/2014

15. Date T.D. Reached
10/15/2014

16. Date Completed
 D & A Ready to Prod.
08/16/2016

18. Total Depth: MD 3435 TVD 3435

19. Plug Back T.D.: MD 3381 TVD 3381

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL DLL FDC GR

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
12.250	8.625 J-55	32.0	0	425		500	118	0	
7.875	5.500 L-80	17.0	0	3429		650	215	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	3209							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	2847	3176	2847 TO 3015	0.420	40	OPEN
B)			3050 TO 3176	0.420	40	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
2847 TO 3015	2500GALS 15% ACID, 14,124BBL SW, 25000# 100 MESH, 264,060# WI 40/70
3050 TO 3176	1000GALS 15% ACID, 12,617BBL SW, 20379# 100 MESH, 230,100# WI 40/70

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
08/26/2016	09/07/2016	24	→	88.0	100.0	475.0	36.1	0.60	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	
			→	88	100	475	1136	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
/S/ DAVID R. GLASS
SEP 22 2016

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #352057 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

DAVID R. GLASS

RECLAMATION DUE:
FEB 16 2017

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.)
CAPTURED

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
QUATERNARY	0	760	SAND, OIL/GAS/WATER DOLOMITE, OIL/GAS/WATER	YATES	760
QUEEN	1505	1523		SEVEN RIVERS	996
SAN ANDRES	2847	3176		QUEEN	1484
				GRAYBURG	1880
				SAN ANDRES	2208

32. Additional remarks (include plugging procedure):

12/12-15/2014 PERFORATED 3050-3176'. ACIDIZED W/ 43BBLs 15% ACID.
8/2-4/2016 FRAC PERFS W/ 100GALS 15% ACID, 12,617BBLs SW, 20,379# 100 MESH, 230,100#
40/70 WI. PLUG @ 3040'. PERFORATE 2846-3015' W/ 40HOLES.
8/11-16/2016 FRAC PERFS W/ 2500 GALS 15% ACID, 14,124BBLs SW, 25000# 100 MESH, 264,060#
40/70 WI. DRILLED OUT PLUG @ 3040'. RIH W/ 106JTS 2 7/8" TUBING, SN @ 3209', 2
1/2X2X16" 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 #352057 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Roswell
Committed to AFMSS for processing by DAVID GLASS on 09/21/2016 (16DRG0375SE)

Name (please print) DEANA WEAVER Title PRODUCTION CLERK

Signature _____ (Electronic Submission) Date 09/21/2016

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 ****