

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

5. Lease Serial No.
NMLC029415A

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: DEANA WEAVER
E-Mail: dweaver@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: NWNW 330FNL 990FWL Sec 24 T17S R31E Mer NMP
At top prod interval reported below: SWSW 302FSL 1002FWL Sec 13 T17S R31E Mer NMP
At total depth: NWNW 85FNL 983FWL Sec 13 T17S R31E Mer NMP

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. NMMN139211

8. Lease Name and Well No. PARTITION 13 FED MD 2H

9. API Well No. 30-015-43552-00-S1

10. Field and Pool, or Exploratory FREN

11. Sec., T., R., M., or Block and Survey or Area UNKNOWN Sec 24 T17S R31E Mer NMP

12. County or Parish EDDY 13. State NM

14. Date Spudded 07/12/2018 15. Date T.D. Reached 07/27/2018 16. Date Completed D & A Ready to Prod. 11/01/2018 17. Elevations (DF, KB, RT, GL)* 3825 GL

18. Total Depth: MD 10676 TVD 5389 19. Plug Back T.D.: MD 10665 TVD 5389 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NOLOGS

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 J55	48.0	0	717		690	199	0	
12.250	9.625 J55	36.0	0	1944		685	196	0	
8.500	5.500 L-80	17.0	0	5283		585	179		
8.500	7.000 L80	26.0	5382	10665		270		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	4603		2.875	4603				

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			5726 TO 10560			Open - GL-YESO
B) GLORIETA	5220	5324	5726 TO 10570			OPEN- 23 STAGE PACKER PLUS
C) YESO	5324					
D)						

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

Depth Interval	Amount and Type of Material
5726 TO 10570	4,170BBLs 15% ACID, 124,086BBLs SW, 1,615,392# 100 MESH, 1,610,061# 40/70 WI, 800,598# 40/70 SLC

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
11/01/2018	09/27/2018	24	→	522.0	610.0	1635.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	522	610	1635	1169	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
11/01/2018	02/23/2004	24	→	18.0	5.0	166.0	38.3	0.80	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	18	5	166		POW	

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

ELECTRONIC SUBMISSION #528011 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

Date First Produced 11/01/2018	Test Date 11/01/2018	Hours Tested 24	Test Production →	Oil BBL 18.0	Gas MCF 5.0	Water BBL 166.0	Oil Gravity Corr. API 38.3	Gas Gravity 0.80	Production Method ELECTRIC PUMPING UNIT
Choke Size SI	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL 18	Gas MCF 5	Water BBL 166	Gas:Oil Ratio 277	Well Status POW	

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
RUSTLER	506	722	WATER	GRAYBURG	1756
SALADO	722		WATER	QUEEN	
BASE OF SALT	1756	1939	OIL/GAS	RUSTLER	
YATES	1939	2255	OIL/GAS	SAN ANDRES	
SEVEN RIVERS	2255	2883	OIL/GAS	SEVEN RIVERS	
QUEEN	2883	3310	OIL/GAS	TANSILL	
GRAYBURG	3310	3652	OIL/GAS	TOP SALT	
SAN ANDRES	3652	5220	OIL/GAS	YATES	
				BASE OF SALT	

32. Additional remarks (include plugging procedure):

Record Clean Up-
9/4-6/2018 FRAC 23 STAGE PACKER PLUS PORTS 5726-10570' W/ 4,170BBLs 15% ACID, 124,086BBLs SW, 1,615,392# 100 MESH, 1,610,061# 40/70 WI, 880,598# 40/70 SLC.
9/10/2018 RIH W/ PU 3 1/2" BULL PLUG AND 6JTS 3 1/2" MA (195.99', CAVINS 2716 DESANDER, MOTOR AND PUMPS. SUMMIT 562 SERIES 150 HP MOTOR, 2-SUMMIT 513 SERIES BPBSL SEALS, 2-SUMMIT GAS SEPARTORS, SUMMIT 400 SERIES 66 STAGE PUMP, SUMMIT 400 SERIES 122 STAGE (188 TOTAL STAGES, TOTAL LENGTH OF PUMP IS 89.80'), 142 JTS 2 7/8 J-55 TUBING (4603.90'). SPLICED BOTTOM PIGTAIL AND LANDED TUBING. ND BOP AND FLANGED UP WELL. 148 TOTAL JTS IN

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 #528011 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 09/21/2020 (20JAS0286SE)**

Name (please print) DEANA WEAVER Title PRODUCTION CLERK

Signature (Electronic Submission) Date 08/31/2020

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.

Additional data for transaction #528011 that would not fit on the form

32. Additional remarks, continued

HOLE. BULL PLUG @ 4889.69', INTAKE @ 4656.3' TOP OF PUMP @ 4603.90'
11/1/2018 READY TO PRODUCE
11/1/2018 GAS CONNECTION
11/1/2018 NEW OIL

Revisions to Operator-Submitted EC Data for Well Completion #528011

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC029415A	NMLC029415A
Agreement:		NMNM139211 (NMNM139211)
Operator:	MACK ENERGY CORPORATION P.O. BOX 960 ARTESIA, NM 88210 Ph: 575-748-1288	MACK ENERGY CORPORATION P O BOX 960 ARTESIA, NM 88211-0960 Ph: 575.748.1288
Admin Contact:	DEANA WEAVER PRODUCTION CLERK E-Mail: dweaver@mec.com Ph: 575-748-1288	DEANA WEAVER PRODUCTION CLERK E-Mail: dweaver@mec.com Ph: 575-748-1288
Tech Contact:	DEANA WEAVER PRODUCTION CLERK E-Mail: dweaver@mec.com Ph: 575-748-1288	DEANA WEAVER PRODUCTION CLERK E-Mail: dweaver@mec.com Ph: 575-748-1288
Well Name: Number:	PARTITION 13 FEDERAL MD 2H	PARTITION 13 FED MD 2H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 24 T17S R31E Mer NWNW 330FNL 990FWL	NM EDDY Sec 24 T17S R31E Mer NMP NWNW 330FNL 990FWL
Field/Pool:	FREN GLORIETA YESO	FREN
Logs Run:	NO LOGS	NOLOGS
Producing Intervals - Formations:	GLORIETA YESO	GLORIETA YESO GLORIETA YESO
Porous Zones:	RUSTLER SALT SALT BASE YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	RUSTLER SALADO BASE OF SALT YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES
Markers:	RUSTLER SALT SALT BASE YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	GRAYBURG QUEEN RUSTLER SAN ANDRES SEVEN RIVERS TANSILL TOP SALT YATES BASE OF SALT