

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029415B

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: Sec 24 T17S R31E Mer NMP NENW 255FNL 2590FWL
At top prod interval reported below: Sec 13 T17S R31E Mer NMP SESW 330FSL 2325FWL
At total depth: Sec 13 T17S R31E Mer NMP NENW 289FNL 2291FWL

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. NMM138464

8. Lease Name and Well No. PARTITION 13 FEDERAL NC 5H

9. API Well No. 30-015-43530-00-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 01/19/2018 15. Date T.D. Reached 02/09/2018 16. Date Completed D & A Ready to Prod. 03/07/2018

17. Elevations (DF, KB, RT, GL)* 3907 GL

18. Total Depth: MD 10468 TVD 5469 19. Plug Back T.D.: MD 10466 TVD 5469 20. Depth Bridge Plug Set: MD TVD

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

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	720		690	199	0	
12.250	9.625 J55	36.0	0	1915		685	196	0	
8.500	7.000 L80	26.0	0	4723		585	182		
7.875	5.500 L80	17.0	4723	10466					

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	4659							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	5164	5253	6189 TO 10245			19 STAGES PACKER PLUS SYSTEM
B) YESO	5253					
C) GLORIETA YESO	6189	10245				
D)						

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

Depth Interval	Amount and Type of Material
6189 TO 10245	3407BBLS 15% ACID, 102,065BBLS SW, 1,330,368# 100 MESH, 1,326,197# WI 40/70, 757,969# 40/70 CRC

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
03/07/2018	03/18/2018	24	→	393.0	396.0	1760.0	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			→	393	396	1760		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
03/07/2018	03/18/2018	24	→	393.0	396.0	1760.0	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	205	48.0	→	393	396	1760		POW	

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

ELECTRONIC SUBMISSION #526909 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
RUSTLER	534	800	WATER	RUSTLER	534
SALADO	800	1962	WATER	SALADO	800
YATES	1962	2286	OIL/GAS	YATES	1962
SEVEN RIVERS	2286	2903	OIL/GAS	SEVEN RIVERS	2286
QUEEN	2903	3326	OIL/GAS	QUEEN	2903
GRAYBURG	3326	3658	OIL/GAS	GRAYBURG	3326
SAN ANDRES	3658	5164	OIL/GAS	SAN ANDRES	3658
GLORIETA	5164	5340	OIL/GAS	GLORIETA	5205

32. Additional remarks (include plugging procedure):
POROUS ZONE CONT- YESO 5253 OIL/GAS

RECORD CLEAN-UP

2/27-3/6/2018 Frac 19 stage Packer Plus System (6189.01-10,245.57) w/ 3407bbls 15% Acid, 102,065bbls SW, 1,330,368# 100 Mesh, 1,326,197# 40/70 WI, 757,969# 40/70 CRC. BHA as follows- 2 7/8" bull plug, 6jts 2 7/8" J-55 mud anchor (195.46'), cavins 7" D2716 (800-1600bbs/day flow rate). Summit 562 240 HP Motor, 2-summit, 513 BPBSL seals,

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 #526909 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 (20JAS0285SE)**

Name (please print) DEANA WEAVER Title PRODUCTION CLERK

Signature (Electronic Submission) Date 08/24/2020

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 #526909 that would not fit on the form

32. Additional remarks, continued

2-Summit gas separator, pump 2 summit 513 series 52 stage, pump 1 summit 513 series 104 stages (158 total stages, total length of pump is 76.15'), 143 jts 2 7/8" J-55 tubing (4640.31'), 149 total jts in the hole, bottom of MA @ 4937.32', desander @ 4741.36', intake @ 4698.86', end of tubing @ 4659.81' all depths are with a 19.5' KB.
3/7/2018 First day of production.

Revisions to Operator-Submitted EC Data for Well Completion #526909

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC029415B	NMLC029415B
Agreement:		NMNM138464 (NMNM138464)
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 NC 5H	PARTITION 13 FEDERAL NC 5H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 24 T17S R31E Mer NENW 255FNL 2590FWL	NM EDDY Sec 24 T17S R31E Mer NMP NENW 255FNL 2590FWL
Field/Pool:	FREN GLORIETTA YESO	FREN
Logs Run:	NO LOGS- RECORD CLEAN UP	NOLOGS-RECORDCL
Producing Intervals - Formations:	GLORIETTA YESO	GLORIETTA YESO GLORIETTA YESO
Porous Zones:	RUSTLER SALADO YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETTA	RUSTLER SALADO YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETTA
Markers:	RUSTLER SALADO YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETTA	RUSTLER SALADO YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETTA