

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD Rec'd: 9/22/2020

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

## 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. NMLC029415B	
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. NMNM138464	
Contact: DEANA WEAVER E-Mail: DWEAVER@MEC.COM				8. Lease Name and Well No. PARTITION 13 FEDERAL NC 5H	
3. Address P O BOX 960 ARTESIA, NM 88211-0960		3a. Phone No. (include area code) Ph: 575-748-1288		9. API Well No. 30-015-43530-00-S1	
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				10. Field and Pool, or Exploratory FREN UNKNOWN	
				11. Sec., T., R., M., or Block and Survey or Area 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 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> 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? <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 checked="" type="checkbox"/> No <input type="checkbox"/> 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

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)						

## 26. Perforation Record

## 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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
				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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		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
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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 SALASO YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETTA	RUSTLER SALADO YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETTA