

HOBBS OGD
OGD Hobbs

JUL 27 2015

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator MACK ENERGY CORPORATION		Contact: ROBERT CHASE E-Mail: JERRYS@MEC.COM	
3. Address 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 NENE 750FNL 1120FEL At top prod interval reported below NENE 982FNL 980FEL At total depth NENE 988FNL 995FEL		8. Lease Name and Well No. BROOK FEDERAL 4	
14. Date Spudded 04/23/2015		15. Date T.D. Reached 06/10/2015	
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/25/2015		9. API Well No. 30-025-40339-00-S2	
18. Total Depth: MD 10134 TVD		19. Plug Back T.D.: MD 7260 TVD	
20. Depth Bridge Plug Set: MD 7260 TVD		10. Field and Pool, or Exploratory BAISH MALJAMAR, JESIO, WEST	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMARAY NEUTRON DENSITY		11. Sec., T., R., M., or Block and Survey or Area Sec 30 T17S R32E Mer NMP	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☒ No ☐ Yes (Submit analysis)		12. County or Parish LEA	
		13. State NM	
		17. Elevations (DF, KB, RT, GL)* 3907 GL	

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 H-40	48.0	0	740		930		0	0
12.500	8.625 J-55	24.0	0	2128		930		0	0
7.875	5.500 P-110	17.0	0	10132		1825		0	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	7056							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	6738	7030	6738 TO 7030	0.000	23	OPEN
B)			9480 TO 9510	0.000	60	CIBP @ 7260', 9140' W/ 25SX CMT
C)			9991 TO 9995	0.000	8	CIBP @ 9890' W/ 35' CMT CAP
D)						

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

Depth Interval	Amount and Type of Material
6738 TO 7030	6246BBLs SW, 4630BBLs 20# LINEAR, 150BBLs BORATE 20#, 18,029# 100 MESH, 121,455# WS 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
06/26/2015	07/04/2015	24	→	74.0	170.0	2240.0	36.2	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	
	SI		→	74	170	2240	2297		

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	
	SI		→						

ACCEPTED FOR RECORD

JUL 21 2015

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #308097 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

AUG 20 2015

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
QUEEN	3013	3017	SAND/OIL/GAS/WATER	RUSTLER	652
GRAYBURG	3567	3730	SAND/OIL/GAS/WATER	TOP OF SALT	1760
SAN ANDRES	3952	4102	DOLOMITE/ OIL/GAS/WATER	BASE OF SALT	1960
GLORIETA	5320	5325	DOLOMITE/OIL/GAS/WATER	YATES	1985
PADDOCK	5343	5380	DOLOMITE/OIL/GAS/WATER	SEVEN RIVERS	2372
BLINEBRY	6738	7030	DOLOMITE/OIL/GAS/WATER	QUEEN	2984
WOLFCAMP	9480	9510		GRAYBURG	3362
				SAN ANDRES	3766
				GLORIETA	5294
				ABO	7432
				WOLFCAMP	9248

32. Additional remarks (include plugging procedure):

4/23/2015 Set w/ CIBP @ 9140'.
5/27/2015 Set 25sx H-Neat on top of CIBP @ 9140'. Set 25sx H+3% CaCl @ 7550'. Wait 2hrs tag plug @ 7345'.
6/10/2015 Set CIBP @ 7260', perforated 6738.5-7030' w/ 23 holes.
6/12/2015 Acidized w/ 30 bbls 15% Acid.
6/18/2015 Frac perfs @ 6738.5-7030' w/ 6246 bbls Slickwater, 4630 bbls 20# Linear, 1580 bbls 20# Borate, 18029# 100 Mesh, 121,455# White Sand 40/70, 121,939# White Sand 20/40, 33,081# SLC 20/40

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 #308097 Verified by the BLM Well Information System.

For MACK ENERGY CORPORATION, sent to the Hobbs

Committed to AFMSS for processing by CHRISTOPHER WALLS on 07/21/2015 (15CRW0076SE)

Name (please print) DEANA WEAVER

Title PRODUCTION CLERK

Signature (Electronic Submission)

Date 07/06/2015

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 ** REVISED ****

Additional data for transaction #308097 that would not fit on the form

32. Additional remarks, continued

6/25/2015 RIH w/ 219jt 2 7/8" J-55 tbg, SN @ 7056'. 2 1/2 x 2 x 24' pump.

FORMATION TOPS CONT. -

GLORIETA: 5294

PADDOCK: 5343

BLINEBRY: 5854

ABO: 7432

WOLFCAMP: 9248

Revisions to Operator-Submitted EC Data for Well Completion #308097

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC060199B	NMLC060199B
Agreement:		
Operator:	MACK ENERGY CORPORATION P.O. BOX 960 ARTESIA, NM 88210 Ph: 575-748-1288	MACK ENERGY CORPORATION ARTESIA, NM 88211-0960 Ph: 575-748-1288
Admin Contact:	ROBERT CHASE VICE PRESIDENT E-Mail: JERRYS@MEC.COM Ph: 575-748-1288 Fx: 575-746-9539	ROBERT CHASE VICE PRESIDENT E-Mail: JERRYS@MEC.COM Ph: 575-748-1288 Fx: 575-746-9539
Tech Contact:	DEANA WEAVER PRODUCTION CLERK E-Mail: DWEAVER@MEC.COM Ph: 575-748-1288 Fx: 575-746-9539	DEANA WEAVER PRODUCTION CLERK E-Mail: DWEAVER@MEC.COM Ph: 575-748-1288 Fx: 575-746-9539
Well Name: Number:	BROOK FEDERAL 4	BROOK FEDERAL 4
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 30 T17S R32E Mer	Sec 30 T17S R32E Mer NMP
Surf Loc:	NENE 750 FNL 1120FEL	NENE 750FNL 1120FEL
Field/Pool:	YESO	BAISH
Logs Run:		GAMMARAY NEUTRON DENSITY
Producing Intervals - Formations:	YESO	YESO
Porous Zones:	QUEEN GRAYBURG SAN ANDRES GLORIETA PADDOCK BLINEBRY	QUEEN GRAYBURG SAN ANDRES GLORIETA PADDOCK BLINEBRY WOLFCAMP
Markers:	RUSTLER TOP SALT BOTTOM SALT YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES	RUSTLER TOP OF SALT BASE OF SALT YATES SEVEN RIVERS QUEEN GRAYBURG SAN ANDRES GLORIETA ABO WOLFCAMP