

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Mack Energy Coporation P.O. Box 960 Artesia, NM 88210		2 OGRID Number 013837
		3 Reason for Filing Code/ Effective Date PB - 6/25/2015
4 API Number 30-025-40339	5 Pool Name Yeso	6 Pool Code 44500
7 Property Code 38762	8 Property Name Brook Federal	9 Well Number 4

II. ¹⁰ Surface Location

UI or lot no. A	Section 30	Township 17S	Range 32E	Lot Idn	Feet from the 750	North/South line North	Feet from the 1120	East/West line East	County Lea, County
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	-----------------------	------------------------	-----------------------

11. Bottom Hole Location

UL or lot no. A	Section 30	Township 17S	Range 32E	Lot Idn	Feet from the 508	North/South line North	Feet from the 1005	East/West line East	County Lea, County
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 6/26/2015	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 O/G/W
278421	Holly Marketing & Refining Co LLC P.O. Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

21 Spud Date 4/23/2015	22 Ready Date 6/25/2015	23 TD 10134'	24 PBDT 7260'	25 Perforations 6738.5-7030'	26 DHC, MC
27 Hole Size		28 Casing & Tubing Size		29 Depth Set	30 Sacks Cement
17 1/2		13 3/8" H-40		740	930sx
12 1/4		8 5/8" J-55		2128	930sx
7 7/8		5 1/2" P-110		10132	1825sx
		2 7/8" J-55 (Tubing)		7056'	

V. Well Test Data

31 Date New Oil 6/26/2015	32 Gas Delivery Date 6/25/2015	33 Test Date 7/4/2015	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size	38 Oil	39 Water	40 Gas		41 Test Method
74		2240	170		Pumping

42 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Deana Weaver		OIL CONSERVATION DIVISION Approved by: [Signature] Title: Petroleum Engineer	
Printed name: Deana Weaver		Approval Date: 07/28/15	
Title: Production Clerk			
E-mail Address: dweaver@mec.com			
Date: 7.6.15	Phone: (575) 748-1288		

✓ ZAP [98039] WC-025 G-06 5179291A; WOLF CAMP
6-18-2015

JUL 30 2015

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

JUL 08 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC060199B
2. Name of Operator MACK ENERGY CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: ROBERT CHASE E-Mail: JERRYS@MEC.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address P.O. BOX 960 ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-1288 Fx: 575-746-9539	8. Well Name and No. BROOK FEDERAL 4
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T17S R32E NENE 750FNL 1120FEL		9. API Well No. 30-025-40339
		10. Field and Pool, or Exploratory YESO
		11. County or Parish, and State LEA COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

4/23/2015 RIH 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/ 30BBLS 15% ACID.

6/18/2015 FRAC PERFS @ 6738.5-7030' W/ 6,246 BBLS SLICKWATER, 4630 BBLS 20# LINEAR, 1580 BBLS 20# BORATE, 18,029# 100 MESH, 121,455# WHITE SAND 40/70, 121,939# WHITE SAND 20/40, 33,081# SLC 20/40.

6/25/2015 RIH w/ 219 jts 2 7/8" J-55 6.5# tbg, SN @ 7056'. 2 1/2 x 2 x 24' pump.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #308090 verified by the BLM Well Information System For MACK ENERGY CORPORATION, sent to the Hobbs	
Name (Printed/Typed) DEANA WEAVER	Title PRODUCTION CLERK
Signature (Electronic Submission)	Date 07/06/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

JUL 08 2015

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC060199B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
 b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
MACK ENERGY CORPORATION Contact: ROBERT CHASE
E-Mail: JERRYS@MEC.COM

8. Lease Name and Well No.
BROOK FEDERAL 4

3. Address P.O. BOX 960
ARTESIA, NM 88210

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

9. API Well No.
30-025-40339

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

At surface NENE 750 FNL 1120FEL

At top prod interval reported below NENE 982FNL 980FEL

At total depth NENE 508FNL 1005FEL

10. Field and Pool, or Exploratory
YESO11. Sec., T., R., M., or Block and Survey
or Area Sec 30 T17S R32E Mer

12. County or Parish
LEA

13. State
NM

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

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

18. Total Depth: MD 10134
TVD

19. Plug Back T.D.: MD 7260
TVD

20. Depth Bridge Plug Set: MD 7260
TVD

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

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 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

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	6738	7030	6738 TO 7030	0.420	23	OPEN
B)			9480 TO 9510	0.420	60	CIBP @ 7260', 9140' W/ 25SX CMT
C)			9991 TO 9995	0.420	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	
			→	74	170	2240	2297	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	
			→						

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

ELECTRONIC SUBMISSION #308097 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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 SALT	1760
SAN ANDRES	3952	4102	DOLOMITE/ OIL/GAS/WATER	BOTTOM 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
				GRAYBURG	3362
				SAN ANDRES	3766

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**

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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