

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1 000 Rio Brazos Rd., Aztec, NM 8741 0  
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
4 API Number 30-025-40338		3 Reason for Filing Code/ Effective Date PB - 7/24/2015
5 Pool Name Yeso	6 Pool Code 44500	
7 Property Code 38762	8 Property Name Brook Federal	9 Well Number 3

II. <sup>10</sup> Surface Location

UI or lot no. A	Section 30	Township 17S	Range 32E	Lot Idn	Feet from the 785	North/South Line North	Feet from the 10	East/West line East	County Lea, County
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11. Bottom Hole Location

UL or lot no. A	Section 30	Township 17S	Range 32E	Lot Idn	Feet from the 983	North/South line North	Feet from the 363	East/West line East	County Lea, County
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 8/28/2015	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 7/16/2015	22 Ready Date 8/19/2015	23 TD 10,242'	24 PBTD 7,392'	25 Perforations 6747.5-7104'	26 DHC, MC
27 Hole Size 17 1/2"	28 Casing & Tubing Size 13 3/8" H-40	29 Depth Set 740'	30 Sacks Cement 650sx		
12 1/4"	8 5/8" J-55	2,124'	1160sx		
7 7/8"	5 1/2" P-110	10,242'	1750sx		
	2 7/8" J-55 (Tubing)	7,112'			

V. Well Test Data

31 Date New Oil 8/28/2015	32 Gas Delivery Date 8/28/2015	33 Test Date 8/30/2015	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 76	38 Oil	39 Water 986	40 Gas 89	41 Test Method 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*

Printed name: Deana Weaver

Title: Production Clerk

E-mail Address: dweaver@mec.com

Date: 9.1.15 Phone: (575) 748-1288

OIL CONSERVATION DIVISION

Approved by:

*[Signature]*

Title: Petroleum Engineer

Approval Date:

09/14/15

ReComp \_\_\_\_\_ Add New Well \_\_\_\_\_  
Cancel Well \_\_\_\_\_ Create Pool \_\_\_\_\_  
E-PERMITTING -- New Well \_\_\_\_\_  
Comp *ma* P&A \_\_\_\_\_ TA \_\_\_\_\_  
CSNG \_\_\_\_\_ Loc Chng \_\_\_\_\_  
ReComm \_\_\_\_\_ Add New Well \_\_\_\_\_

SEP 15 2015

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.*

**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 3
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T17S R32E NENE 785FNL 10FEL		9. API Well No. 30-025-40338
		10. Field and Pool, or Exploratory YES <b>98039</b>
		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 recomplete 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 recompletion 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.)

7/27/15 - 8/3/15 PERFORATED 6747.5-7104' w/ 23 HOLES. SET RBP @ 7182' W/ 223JTS. ACIDIZED W/ 43 BBLs 15% ACID. FRAC PERFS W/ 12,016 BBLs FLUID, 287,920# SAND.

8/7/15 RETRIEVE RBP. RIH W/ 218JTS 2 7/8" J-55, 6.5# TUBING, SN @ 7112', 2 1/2 X 2 X 20' PUMP.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #315172 verified by the BLM Well Information System For MACK ENERGY CORPORATION, sent to the Hobbs</b>	
Name (Printed/Typed) DEANA WEAVER	Title PRODUCTION CLERK
Signature (Electronic Submission)	Date 09/01/2015

**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 \*\***

ZTP WC-025 G-06 5173230A; WULFARM 7/27/16

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

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. NMLC060199B		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator MACK ENERGY CORPORATION			Contact: ROBERT CHASE E-Mail: JERRYS@MEC.COM		
3. Address P.O. BOX 960 ARTESIA, NM 88210			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 785FNL 10FEL At top prod interval reported below NENE 970FNL 371FEL At total depth NENE 983FNL 363FEL			8. Lease Name and Well No. BROOK FEDERAL 3		
14. Date Spudded 07/16/2015			15. Date T.D. Reached 07/24/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/19/2015			9. API Well No. 30-025-40338		
18. Total Depth: MD 10242 TVD 10199			19. Plug Back T.D.: MD 7392 TVD 7112		
20. Depth Bridge Plug Set: MD 9450 TVD			10. Field and Pool, or Exploratory YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			11. Sec., T., R., M., or Block and Survey or Area Sec 30 T17S R32E Mer		
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)			12. County or Parish LEA		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3927 GL			17. Elevations (DF, KB, RT, GL)* 3927 GL		

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		650		0	
12.500	8.625 J-55	24.0	0	2124		1160		0	
7.875	5.500 P-110	17.0	0	10242		1750		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7112							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	6747	7104	6747 TO 7104	0.420	23	OPEN
B)			9501 TO 9542	0.420	80	CIBP @ 9450
C)						
D)						

Depth Interval	Amount and Type of Material
6747 TO 7104	43BBLS 15% ACID, 287,920# SAND, 12,016BBLS FLUID

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
08/28/2015	08/30/2015	24	→	76.0	106.0	986.0	37.8	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	
			→	76	106	986	1394	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 #315175 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	3031	3041	SAND OIL/GAS/WATER	RUSTLER	671
GRAYBURG	3715	3730	SAND OIL/GAS/WATER	TOP SALT	784
GRAYBURG	3754	3761	SAND OIL/GAS/WATER	BOTTOM SALT	1945
SAN ANDRES	3844	3850	DOLOMITE OIL/GAS/WATER	YATES	2010
SAND ANDRES	3980	4011	DOLOMITE OIL/GAS/WATER	SEVENRIVERS	2395
PADDOCK	5394	5466	DOLOMITE OIL/GAS/WATER	QUEEN	3008
BLINEBRY	6747	7104	DOLOMITE OIL/GAS/WATER	GRAYBURG	3397
				SAN ANDRES	3799

## 32. Additional remarks (include plugging procedure):

7/27-8/3/15 Perforated 6747.5-7104' w/ 23 holes. Set RBP @ 7182' w/ 223jts. Acidized w/ 43 bbls 15% Acid. Frac perms w/ 12,016bbls Fluid, 287,920# Sand.

8/7/15 Retrieved RBP. RIH w/ 218jts 2 7/8" J-55 6.5# tbg, sn @ 7112', 2 1/2 x 2x 20' pump.

FORMATION (LOG) MARKERS CONT:  
GLORIETA - 5344

## 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 #315175 Verified by the BLM Well Information System.  
For MACK ENERGY CORPORATION, sent to the Hobbs

Name (please print) DEANA WEAVERTitle PRODUCTION CLERK

Signature \_\_\_\_\_ (Electronic Submission)

Date 09/01/2015

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 #315175 that would not fit on the form**

**32. Additional remarks, continued**

PADDOCK- 5394  
BLINEBRY- 5864  
ABO- 7472  
WOLFCAMP- 9280

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

RECEIVED

SEP 08 2015  
Submit to Appropriate District Office  
State License - 4 Copies  
Fee License - 3 Copies

Form C-102

DISTRICT I  
1625 N. FRENECH DR., HOBBS, NM 88240  
DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210  
DISTRICT III  
1000 RIO BRAZOS RD., AZIC, NM 87410  
DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

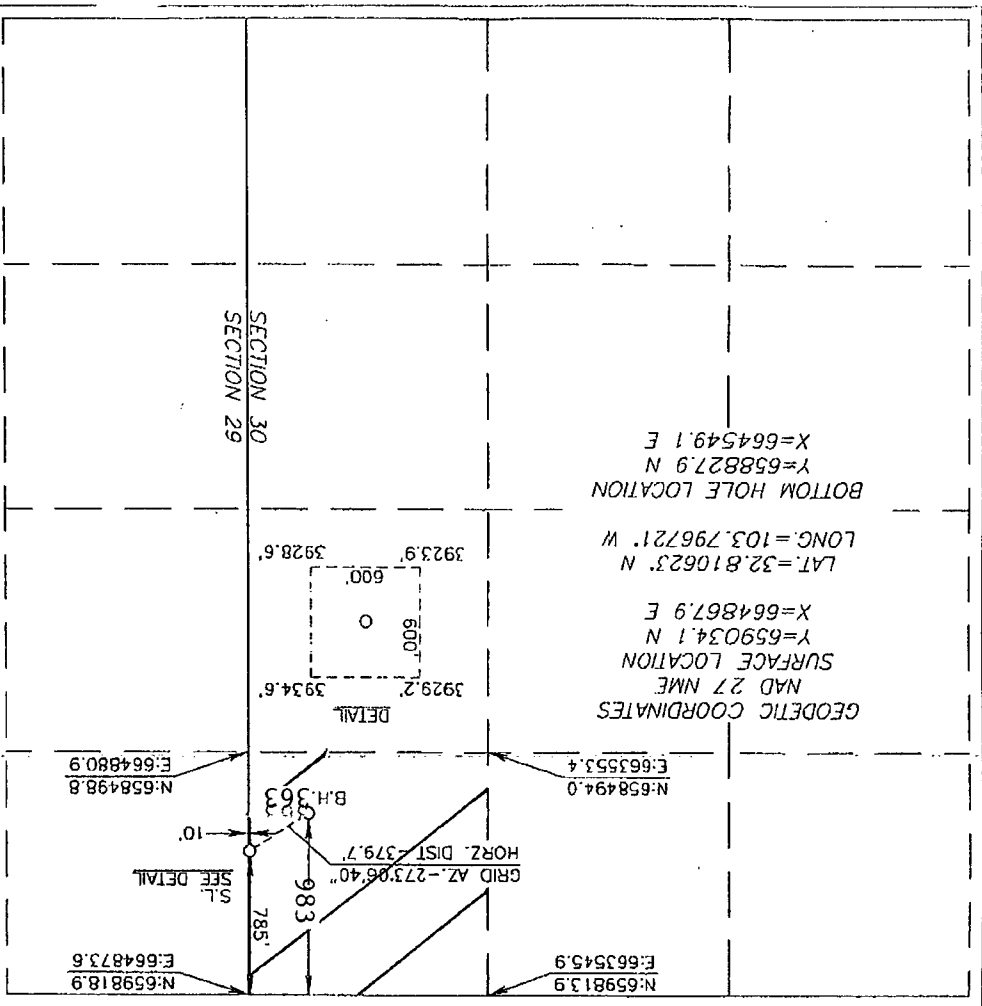
APR Number 30-025-40338		Pool Code 44500	Pool Name Maljamar Yeso
Property Code 38762	Property Name BROOK FEDERAL		
GRID No. 013837	Operator Name MACK ENERGY CORPORATION		
	Elevation 3927'		

UT or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	East/West line	County
A	30	17-S	32-E		785	NORTH	EAST	LEA

Bottom Hole Location If Different From Surface

UT or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	East/West line	County
A	30	17-S	32-E		983	NORTH	EAST	LEA

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unknown mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.		Signature Date	
Printed Name Jerry W. Sherrell		Date 5/21/2011	
SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.			
Date Surveyed NOVEMBER 17, 2010		Signature & Seal of Professional Surveyor LA	
Certificate No. 12641		EIDSON 3239	

Exhibit #1