

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 RC
4 API Number 30-015-41098	5 Pool Name Grayburg <i>Shugart, Y-7R-Qv-GB</i>	6 Pool Code 56439
7 Property Code 38650	8 Property Name Razorback Federal	9 Well Number 7

II. ¹⁰Surface Location

UI or lot no. F	Section 3	Township 18S	Range 31E	Lot Idn	Feet from the 1372	North/South Line North	Feet from the 1331	East/West line West	County Eddy
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11. Bottom Hole Location

UL or lot no. F	Section 3	Township 18S	Range 31E	Lot Idn	Feet from the 1723	North/South line North	Feet from the 1710	East/West line West	County Eddy
12 Lse Code F	13 Producing Method Code Pumping	14 Gas Connection Date 6/5/2014	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
36785	DCP Midstream 4001 Penbrook Odessa, TX 79762	G
NM OIL CONSERVATION ARTESIA DISTRICT JUN 19 2014 RECEIVED		

IV. Well Completion Data

21 Spud Date 4/14/2014	22 Ready Date 4/29/2014	23 TD 5607'	24 PBTD 5552'	25 Perforations 3867-4128'	26 DHC, MC
27 Hole Size 17 1/2"		28 Casing & Tubing Size 13 3/8" J-55		29 Depth Set 790	30 Sacks Cement 675sx
12 1/4"		8 5/8" J-55		2065'	1075sx
7 7/8"		5 1/2", L-80		5607'	920sx
2 7/8", J-55		4137'			

V. Well Test Data

31 Date New Oil 6/5/2014	32 Gas Delivery Date 6/5/2014	33 Test Date 6/16/2014	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 18	38 Oil	39 Water 460	40 Gas 20		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: *6.18.14* Phone: 575-748-1288

OIL CONSERVATION DIVISION

Approved by:

T.C. Shepard
"Geologist"

Approval Date:

6-19-2014

Pending BLM approvals will
subsequently be reviewed
and scanned

3160-4
3160-5

4-15-14 *Per A. Sanano; San Andres (58060)*

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.

5. Lease Serial No.
NMNM89882

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
RAZORBACK FEDERAL 7

2. Name of Operator
MACK ENERGY CORPORATION

Contact: ROBERT CHASE
E-Mail: JERRY@MEC.COM

9. API Well No.
30-015-41098

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

3b. Phone No. (include area code)
Ph: 575-748-1288
Fx: 575-746-9539

10. Field and Pool, or Exploratory
GRAYBURG

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 3 T18S R31E SENW 1372FNL 1331FWL

11. County or Parish, and State
EDDY 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 recomple 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.)

4/15/2014 CIBP @ 5300' W/ 35' CMT CAP. PERFORATED 4082-4182' W/ 50 HOLES. ACIDIZED W/ 1000 GALS 15% HCL ACID.

4/21/2014 Frac w/ 12,395bbls Slick Water, 20,061# 100 Mesh, 141,848# White Sand 40/70. Set plug @ 3940'. Perforated 3867-3907' w/ 50 holes. Acidized w/ 1000 gals 15% Acid. Frac w/ 10,458 bbls Slick Water, 22,712# 100 Mesh, 151,450# White Sand 40/70.

4/28/2014 Drilled out plug @ 3940'.

4/29/2014 RIH w/ 127 jts 2 7/8, J-55, 6.5# tubing @ 4137', 2 1/2"x2x20' pump.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 19 2014

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #250090 verified by the BLM Well Information System
For MACK ENERGY CORPORATION, sent to the Carlsbad

Name (Printed/Typed) DEANA WEAVER

Title PRODUCTION CLERK

Signature (Electronic Submission)

Date 06/18/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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

Pending BLM approvals will
subsequently be reviewed
and scanned

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

(PWA 58060)

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 19 2014

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

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. NMNM89882	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator MACK ENERGY CORPORAITON Contact: ROBERT CHASE E-Mail: JERRY@MEC.COM		7. Unit or CA Agreement Name and No.	
3. Address P.O. BOX 960 ARTESIA, NM 88210		8. Lease Name and Well No. RAZORBACK FEDERAL 7	
3a. Phone No. (include area code) Ph: 575-748-1288		9. API Well No. 30-015-41098	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENW 1372FNL 1331FWL At top prod interval reported below SENW 1372FNL 1331FWL At total depth SENW 1372FNL 1331FWL		10. Field and Pool, or Exploratory GRAYBURG	
14. Date Spudded 04/14/2014		11. Sec., T., R., M., or Block and Survey or Area Sec 3 T18S R31E Mer	
15. Date T.D. Reached 04/29/2014		12. County or Parish EDDY	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/29/2014		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3749 GL			
18. Total Depth: MD TVD 5607	19. Plug Back T.D.: MD TVD 5552	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, DLL, FDC, GR		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	790		675		0	0
12.250	8.625 J55	24.0	0	2065		1075		0	0
7.875	5.500 L80	17.0	0	5607		920		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	4137							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GRAYBURG	3867	4128	4082 TO 4128	0.420	50	OPEN
B)			3867 TO 3907	0.420	50	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
3867 TO 4082	SEE 3160-5 FOR DETAILS

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
06/05/2014	06/16/2014	24	→	18.0	20.0	460.0	39.7	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	
			→	18	20	460	1111	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
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	
			→					

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #250091 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
GRAYBURG	3867	4128		RUSTLER YATES SEVENRIVERS QUEEN GRAYBURG SAN ANDRES	738 2072 2516 3264 3726 4278

32. Additional remarks (include plugging procedure):

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 #250091 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Carlsbad

Name (please print) DEANA WEAVERTitle PRODUCTION CLERKSignature (Electronic Submission)Date 06/18/2014

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.

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