

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 - 5/29/2014
4 API Number 30-015-40928	5 Pool Name Tamano; San Andres	6 Pool Code 58606
7 Property Code 38891	8 Property Name Razorback Federal	9 Well Number 5

II. ¹⁰Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	3	18S	31E		1650	FNL	330	FWL	Eddy

11. Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Lse Code Fed	13 Producing Method Code Pumping	14 Gas Connection Date 7/1/2014	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 JUL 25 2014 RECEIVED		

IV. Well Completion Data

21 Spud Date	22 Ready Date	23 TD	24 PBTB	25 Perforations	26 DHC, MC
5/29/2014	6/18/2014	5619'	4365'	4214-4239'	
27 Hole Size	28 Casing & Tubing Size	29 Depth Set	30 Sacks Cement		
17 1/2	13 3/8" H-40	770'	710sx		
12 1/4	8 5/8" K-55	2050'	1125sx		
7 7/8	5 1/2", L-80	5619	800sx		
	2 7/8", J-55	4245'			

V. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date	34 Test Length	35 Tbg. Pressure	36 Csg. Pressure
7/1/2014	7/1/2014	7/14/2014	24 hours		
37 Choke Size	38 Oil	39 Water	40 Gas	41 Test Method	
6		102	12	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: 7.24.14 Phone: (575) 748-1288

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: *[Signature]*

Approval Date: 7-19-14

Pending BLM approvals will subsequently be reviewed and scanned

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 5

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

9. API Well No.
30-015-40928

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
TAMANO; SAN ANDRES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 3 T18S R31E SWNW 1650FNL 330FWL

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 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.)

5/29/2014 SET CIBP @ 4400' W/ 35' CMT CAP. PERFORATED 4214-4234' W/ 40 HOLES AND 4119-4125' W/ 10 HOLES.

5/30/2014 SET CIBP @ 4150'. TRIED TO SQUEEZE PERFS @ 4119-4125', UNABLE TO PUMP INTO PERFS.
(3160-5 Approved 5/30/14)

6/2/2014 TESTED PERFS @ 4119-4125' TO 860#, HELD FOR 30 MINS. PAUL SWARTZ W/ BLM WITNESSED TEST. DRILLED OUT CIBP @ 4150'.

6/3/2014 PERFORATED 4234'-4239' W/ 10 HOLES.

6/4/2014 ACIDIZED W/ 1416 GALS 15% HCL ACID.

6/16/2014 FRAC PERFS @ 4214-4239' W/ 9,034 BBLs SLICKWATER, 17,834# 100 MESH, 119,716# WHITESAND 40/70.

6/18/2014 RIH W/ 136JTS 2 7/8" J-55, 6.5# TUBING, SN @ 4245', 2 1/2 X 2 X 20' PUMP.

Accepted for record
JPD NMOCD 7/30/14

NM OIL CONSERVATION

ARTESIA DISTRICT

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

Electronic Submission #254526 verified by the BLM Well Information System
For MACK ENERGY CORPORATION, sent to the Carlsbad

JUL 25 2014

Name (Printed/Typed) **DEANA WEAVER**

Title **PRODUCTION CLERK**

RECEIVED

Signature (Electronic Submission)

Date **07/24/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title _____

Pending BLM approvals will
subsequently be reviewed
and scanned

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 25 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
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 _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator MACK ENERGY CORPORATION		8. Lease Name and Well No. RAZORBACK FEDERAL 5	
3. Address P.O. BOX 960 ARTESIA, NM 88210		9. API Well No. 30-015-40928	
3a. Phone No. (include area code) Ph: 575-748-1288		10. Field and Pool, or Exploratory TAMANO SAN ANDRES	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW 1650FNL 330FWL At top prod interval reported below SWNW 1650FNL 330FWL At total depth SWNW 1650FNL 330FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 3 T18S R31E Mer	
14. Date Spudded 02/13/2013		15. Date T.D. Reached 02/22/2013	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/19/2014		17. Elevations (DF, KB, RT, GL)* 3747 GL	
18. Total Depth: MD 5619 TVD 5619		19. Plug Back T.D.: MD 4365 TVD 4365	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SUBMITTED 6/7/2013	
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	770		710		0	0
12.250	8.625 K55	32.0	0	2050		1125		0	0
7.875	5.500 L80	17.0	0	5619		800		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	4245							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) TAMANO SAN ANDRES	4214	4239	4214 TO 4239	0.420	50	OPEN
B)			4601 TO 4631	0.370	30	CIBP @ 4400' W/ 35' CMT CAP
C)			4654 TO 4681	0.370	27	CIBP @ 4400' W/ 35' CMT CAP
D)						

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

Depth Interval	Amount and Type of Material
4214 TO 4239	9034BBLs SLICKWATER, 17834# 100 MESH, 119716# WHITESAND 40/70, 1416GALS 15% HCL ACID

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
07/01/2014	07/14/2014	24	→	6.0	12.0	102.0	37.6	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	
			→	6	12	102	2000	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	Well Status
			→					

Pending BLM approvals will subsequently be reviewed and scanned.

Additional data for transaction #254525 that would not fit on the form

32. Additional remarks, continued

6/16/2014 FRAC PERFS @ 4214-4239' W/ 9,034 BBLS SLICKWATER, 17834# 100 MESH, 119,716#
WHITESAND 40/70.
6/18/2014 PIH W/ 136JTS 2 7/8" J-55 6.5# TUBING, SN @ 4245', 2 1/2 X 2 X 20' PUMP.

BOX 31, CONTINUED
DELAWARE: 4589