

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
Form C-104
Revised August 1, 2011
Submit one copy to appropriate District Office
☐ AMENDED REPORT

RECEIVED
AUG 22 2018
ARTESIA DISTRICT

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 NW
4 API Number 30-005-64301	5 Pool Name Round Tank; San Andres	6 Pool Code 52770
7 Property Code 314853	8 Property Name White Rock Federal	9 Well Number 2H

II. ¹⁰Surface Location

UI or lot no. C	Section 28	Township 15S	Range 29E	Lot Idn	Feet from the 140	North/South Line North	Feet from the 1675	East/West line West	County Chaves, NM
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III. Bottom Hole Location

UL or lot no. C	Section 21	Township 15S	Range 29E	Lot Idn	Feet from the 219	North/South line North	Feet from the 1679	East/West line West	County Chaves, NM
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 7/14/2018	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 5/16/2018	22 Ready Date 7/11/2018	23 TD 8210' / 3220	24 PBTD 8166'	25 Perforations 3350-8101'	26 DHC, MC
27 Hole Size	28 Casing & Tubing Size	29 Depth Set	30 Sacks Cement		
14 3/4"	9 5/8" J-55	195'	590sx	1650 SA - CMC	
8 3/4"	5 1/2" P-110 & 7" P-110	8210'	1680sx	- CMC	
	3 1/2" J-55 (tubing)	2695'			

V. Well Test Data

31 Date New Oil 7/14/2018	32 Gas Delivery Date 7/14/2018	33 Test Date 7/22/2018	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 30	38 Oil	39 Water 1269	40 Gas 160		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			OIL CONSERVATION DIVISION Approved by: Rusty Klen Title: Business Ops Spec A Approval Date: 8-30-2018		
Printed name: Deana Weaver					
Title: Production Clerk					
E-mail Address: Dweaver@mec.com					
Date: 8/20/2018	Phone: (575) 748-1288				

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION
ARTESIA DISTRICT**

AUG 22 2018

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Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM131581

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
WHITE ROCK FEDERAL 2H

9. API Well No.
30-005-64301

10. Field and Pool, or Exploratory
ROUND TANK SAN ANDRES

11. Sec., T., R., M., or Block and Survey
or Area Sec 28 T15S R29E Mer

12. County or Parish
CHAVES

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3806 GL

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

2. Name of Operator
MACK ENERGY CORPORATION

Contact: DEANA WEAVER
E-Mail: DWEAVER@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)*

Sec 28 T15S R29E Mer
At surface NENW 140FNL 1675FWL
Sec 21 T15S R29E Mer
At top prod interval reported below SESW 201FSL 1667FWL
Sec 21 T15S R29E Mer
At total depth NENW 219FNL 1679FWL

14. Date Spudded
05/16/2018

15. Date T.D. Reached
05/31/2018

16. Date Completed
☐ D & A ☒ Ready to Prod.
07/11/2018

18. Total Depth: MD
TVD 8210

19. Plug Back T.D.: MD
TVD 8166

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? ☒ 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
14.750	9.625 J55	36.0	0	195		675		0	0
8.750	5.500 P110	17.0	0	8210		1680		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)
3.500	2695							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
ROUND TANK SAN ANDRES	3350	8101	3350 TO 8101	0.420	24	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3350 TO 8101	1180BBLs ACID 15%, 6384BBLs SW, 47,365BBLs HVFR SW, 45,041# X-LINK, 348,534# 100-MESH.

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
07/14/2018	07/22/2018	24	→	30.0	160.0	1269.0	35.7	35.80	ELECTRIC PUMPING UNIT
Choke Size	Thg. Press. Flag	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→	30	160	1269	5333	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Thg. Press. Flag	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 #431859 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	1674	1689	SAND, OIL/GAS/WATER	YATES	959
SAN ANDRES	3060	3600	DOLOMITE, OIL/GAS/WATER	SEVEN RIVERS	1187
				QUEEN	1674
				GRAYBURG	2075
				SAN ANDRES	2376

32. Additional remarks (include plugging procedure):

6/25-7/7/2018 Perforated 3350-8101' w/ 552 holes. Frac w/ 1,180 bbls Acid 15%, 6384 bbls SW, 47,365 bbls HVFR SW, 45,041# X-Link, 348,534# 100-Mesh, 662,486# WS 30/50, 3,230,862# WS 20/40, 606,686# SLC 20/40.
7/12/2018 RIH w/ 1jt 2 7/8", 3 1/2" x 4' evolution PC pump gas separator, 3 1/2" x 4' sub, 3 1/2" x 7" cam lock, Dnow Stator, 3 1/2" x 6' sub and 80jts 3 1/2" J-55 tubing, EOT @ 2604', Cam lock @ 2642', gas sep @ 2649', end of string @ 2695'.

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 #431859 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Roswell

Name (please print) DEANA WEAVERTitle PRODUCTION CLERK

Signature _____ (Electronic Submission)

Date 08/20/2018

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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