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

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 22 2016
RECEIVED

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address	2 OGRID Number
Mack Energy Coporation P.O. Box 960 Artesia, NM 88210	013837
	3 Reason for Filing Code/ Effective Date NW

4 API Number	5 Pool Name	6 Pool Code
30-005-64193	Round Tank; San Andres	52770
7 Property Code	**8 Property Name**	**9 Well Number**
37615	Calgary Federal	5

II. 10 Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	24	15S	28E		2310	North	890	East	Chaves, NM

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	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date
F	P	8/30/2016			

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	22 Ready Date	23 TD	24 PBTD	25 Perforations	26 DHC, MC
10/12/2014	8/16/16	3435'	3381'	2846-3176'	

27 Hole Size	28 Casing & Tubing Size	29 Depth Set	30 Sacks Cement
12 1/4"	8 5/8" J-55	425'	500sx
7 7/8"	5 1/2" L-80	3429'	650sx
	2 7/8" L-80 (Tubing)	3209'	

TD 10.15.14 RR 10.16.14

V. Well Test Data

31 Date New Oil	32 Gas Delivery Date	33 Test Date	34 Test Length	35 Tbg. Pressure	36 Csg. Pressure
8/30/2016	8/30/2016	9/7/2016	24 hours		
37 Choke Size	**38 Oil**	**39 Water**	**40 Gas**		**41 Test Method**
	88	475	100		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: 9/21/2016

Phone: 575-748-1288

OIL CONSERVATION DIVISION

Approved by: Karen Sharp

Title: BusOperSpec-Adv

Approval Date: 9-22-16

Form 3160-5
(August 2007)

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 22 2016
RECEIVED

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.

5. Lease Serial No.
NMNM4433

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
CALGARY FEDERAL 5

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

9. API Well No.
30-005-64193

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
ROUND TANK SAN ANDRES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 24 T15S R28E SENE 2310FNL 890FEL

11. County or Parish, and State
CHAVES COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Production Start-up
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

12/12-15/2014 PERFORATED 3050-3176'. ACIDIZED W/ 43BBLS 15% ACID.
8/2-4/2016 FRAC PERFS W/ 100GALS 15% ACID, 12,617BBLS SW, 20,379# 100 MESH, 230,100# 40/70 WI.
PLUG @ 3040'. PERFORATE 2846-3015' W/ 40 HOLES.
8/11-16/2016 FRAC PERFS W/ 2500GALS 15% ACID, 14,124BBLS SW, 25000# 100 MESH, 264,060# 40/70 WI.
DRILLED OUT PLUG @ 3040'. RIH W/ 106JTS 2 7/8" TUBING, SN @ 3209, 2 1/2 X 2X 16' PUMP.

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

Electronic Submission #352054 verified by the BLM Well Information System
For MACK ENERGY CORPORATION, sent to the Roswell

Name *(Printed/Typed)* DEANA WEAVER — Title PRODUCTION CLERK

Signature (Electronic Submission) — Date 09/21/2016

THIS SPACE FOR FEDERAL OR STATE OFFI

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

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 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 ****

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 22 2016
RECEIVED

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. NMNM4433

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.: CALGARY FEDERAL 5

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

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

9. API Well No.: 30-005-64193

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

At surface: SENE 2310FNL 890FEL

At top prod interval reported below: SENE 2310FNL 890FEL

At total depth: SENE 2310FNL 890FEL

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

11. Sec., T., R., M., or Block and Survey or Area: Sec 24 T15S R28E Mer

12. County or Parish: CHAVES

13. State: NM

14. Date Spudded: 10/12/2014

15. Date T.D. Reached: 10/15/2014 (RR 10-16-14)

16. Date Completed: ☐ D & A ☒ Ready to Prod. 08/16/2016

17. Elevations (DF, KB, RT, GL)*: 3727 GL

18. Total Depth: MD 3435 TVD

19. Plug Back T.D.: MD 3381 TVD

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J55	32.0	0	425		400		0	
7.875	5.500 L-80	17.0	0	3429		650		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	3209							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
ROUND TANK SAN ANDRES	2847	3176	2846 ~~2847~~ TO 3015	0.420	40	OPEN
B)			3050 TO 3176	0.420	40	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
2847 TO 3015	2500GALS 15% ACID, 14,124BBLS SW, 25000# 100 MESH, 264,060# WI 40/70
3050 TO 3176	1000GALS 15% ACID, 12,617BBLS SW, 20379# 100 MESH, 230,100# WI 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
08/26/2016	09/07/2016	24	→	88.0	100.0	475.0	36.1	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
			→	88	100	475	1136	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
			→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #352057 VERIFIED BY THE BLM WELL INFORMATION SY

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

**** ED ****

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.)*
CAPTURED

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	1505	1523	SAND, OIL/GAS/WATER	YATES	760
SAN ANDRES	2847	3176	DOLOMITE, OIL/GAS/WATER	7-RIVERS	996
				QUEEN	1484
				GRAYBURG	1880
				SAN ANDRES	2208

32. Additional remarks (include plugging procedure):
12/12-15/2014 PERFORATED 3050-3176'. ACIDIZED W/ 43BBLS 15% ACID.
8/2-4/2016 FRAC PERFS W/ 100GALS 15% ACID, 12,617BBLS SW, 20,379# 100 MESH, 230,100# 40/70 WI. PLUG @ 3040'. PERFORATE 2846-3015' W/ 40HOLES.
8/11-16/2016 FRAC PERFS W/ 2500 GALS 15% ACID, 14,124BBLS SW, 25000# 100 MESH, 264,060# 40/70 WI. DRILLED OUT PLUG @ 3040'. RIH W/ 106JTS 2 7/8" TUBING, SN @ 3209', 2 1/2X2X16' PUMP.

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 #352057 Verified by the BLM Well Information System.
For MACK ENERGY CORPORATION, sent to the Roswell

Name *(please print)* DEANA WEAVER Title PRODUCTION CLERK

Signature (Electronic Submission) Date 09/21/2016

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 fradulent statements or representations as to any matter within its jurisdiction.

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