

District I1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural
Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

RECEIVED**FEB 19 2019****DISTRICT II-ARTESIA O.C.D.****APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address MACK ENERGY CORP P.O. Box 960 Artesia, NM 88211-0960		2. OGRID Number 13837
4. Property Code 324999		3. API Number 30-005-64329
5. Property Name Markham State		6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	23	15S	28E		330	S	990	E	CHAVES

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	26	15S	28E	P	1	S	990	E	Chaves

9. Pool Information

ROUND TANK;SAN ANDRES	52770
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3574
16. Multiple N	17. Proposed Depth 8220	18. Formation San Andres	19. Contractor	20. Spud Date 3/31/2019
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	170	300	0
Int1	12.25	9.625	36	1200	560	0
Prod	8.75	7	26	2100	400	0
Prod	8.75	5.5	17	8220	1465	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2 hole to 170', run 13 3/8 csg & cmt, Drill 12 1/4 hole to 1200' run csg & cmt, Drill 8 3/4 hole to 8220 run 7 & 5 1/2 csg & cmt. Put well on production.
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable.		OIL CONSERVATION DIVISION	
Signature: <i>Deana Weaver</i>		Approved By: <i>Raymond H. Jordan</i>	
Printed Name: Deana Weaver		Title: <i>Geologist</i>	
Title: <i>Production Clerk</i>		Approved Date: <i>2-19-19</i>	
Email Address: <i>dweaver@mec.com</i>		Expiration Date: <i>2-17-2021</i>	
Date: <i>2-15-19</i>		Phone: <i>481238</i>	
Conditions of Approval Attached			

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Form C-102
August 1, 2011

Permit 263017

RECEIVED

FEB 19 2019

DISTRICT II-ARTESIA O.C.D.

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code 52770	3. Pool Name ROUND TANK;SAN ANDRES
4. Property Code	5. Property Name Markham State	6. Well No. 001H
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3574

10. Surface Location

UL - Lot P	Section 23	Township 15S	Range 28E	Lot Idn	Feet From 330	N/S Line S	Feet From 990	E/W Line E	County CHAVES
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11. Bottom Hole Location If Different From Surface

UL - Lot P	Section 26	Township 15S	Range 28E	Lot Idn	Feet From 1	N/S Line S	Feet From 990	E/W Line E	County CHAVES
12. Dedicated Acres 160.00			13. Joint or Infill		14. Consolidation Code			15. Order No.	

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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) 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.</i>	
	E-Signed By: Title: Date:	
	SURVEYOR CERTIFICATION	
<i>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.</i>		
Surveyed By: Filmon F. Jaramillo Date of Survey: 1/18/2019 Certificate Number: 12797		

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MACK ENERGY CORP [13837] P.O. Box 960 Artesia, NM 88211-0960	API Number:
	Well: Markham State #001H

OCD Reviewer	Condition
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Form APD Comments

Permit 263017

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PERMIT COMMENTS

Operator Name and Address: MACK ENERGY CORP [13837]	API Number:
	Well: Markham State #001H

Created By	Comment	Comment Date
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