

**District I**

1625 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.

**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.		<b>OIL CONSERVATION DIVISION</b>	
Signature: <i>Deana Weaver</i>		<i>Raymond H. Jordan</i>	
Printed Name: Deana Weaver		Approved By:	
Title: Production Clerk		Title: Geologist	
Email Address: dweaver@mec.com		Approved Date: 2-19-19	
Date: 2-15-19		Expiration Date: 2-19-2021	
Phone: 481288		Conditions of Approval Attached	

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**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**

<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																	<p align="center"><b>OPERATOR CERTIFICATION</b></p> <p><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></p> <p>E-Signed By: Title: Date:</p>
<p align="center"><b>SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>Surveyed By:           Filmon F. Jaramillo Date of Survey:        1/18/2019 Certificate Number:    12797</p>																	

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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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Permit 263017

**PERMIT COMMENTS**

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

Created By	Comment	Comment Date
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