

**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**

Form C-101  
August 1, 2011  
Permit 238385

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211		2. OGRID Number 13837
4. Property Code 318349		3. API Number 30-005-64296
5. Property Name Medicine Hat State		6. Well No. 002

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	35	15S	28E		500	N	2285	W	Chaves

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	35	15S	28E	C	500	N	2285	W	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 Private	15. Ground Level Elevation 3577
16. Multiple N	17. Proposed Depth 3250	18. Formation San Andres	19. Contractor	20. Spud Date 7/17/2017
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	500	500	0
Int1	12.25	9.625	36	1200	560	0
Prod	7.875	5.5	17	3250	625	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill a 17 1/2" hole to 500', run 13 3/8" casing and cement. Drill a 12 1/4" hole to 1200', if no water flow encountered reduce hole to 7 7/8" to TD. If water flow encountered run 9 5/8" casing and cement. Drill 7 7/8" hole to 3250', run 5 1/2" casing and cement.
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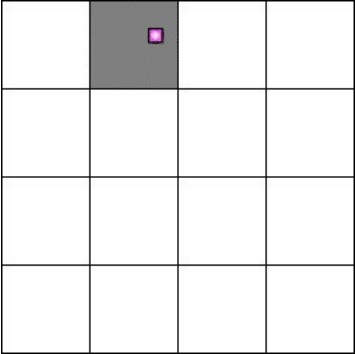
**22. Proposed Blowout Prevention Program**

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 checked="" type="checkbox"/> if applicable.  Signature: _____ Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 7/14/2017	<div style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></div> Approved By: Raymond Podany Title: Geologist Approved Date: 7/17/2017      Expiration Date: 7/17/2019 Conditions of Approval Attached
Phone: 575-748-1288	

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Permit 238385

				<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:        Jerry Sherrell</p> <p>Title:                 Production Clerk</p> <p>Date:                  7/14/2017</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:        Filimon Jaramillo</p> <p>Date of Survey:     6/23/2017</p> <p>Certificate Number: 12797</p>

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Form APD Comments

Permit 238385

**PERMIT COMMENTS**

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-005-64296
		Well: Medicine Hat State #002
Created By	Comment	Comment Date
jwsherrell	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	6/29/2017

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Form APD Conditions  
  
Permit 238385

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-005-64296
		Well: Medicine Hat State #002
OCD Reviewer	Condition	
RPodany	Will require a directional survey with the C-104	
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing	
RPodany	if Water Flow encountered notify District office via phone call.	