

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

**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 190351

**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 313574		3. API Number 30-015-42571
5. Property Name Club Fee		6. Well No. 001

**7. Surface Location**

UL - Lot	H	Section	26	Township	23S	Range	28E	Lot Idn		Feet From	1650	N/S Line	N	Feet From	990	E/W Line	E	County	Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot	H	Section	26	Township	23S	Range	28E	Lot Idn	H	Feet From	1650	N/S Line	N	Feet From	990	E/W Line	E	County	Eddy
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**9. Pool Information**

CULEBRA BLUFF;BONE SPRING, SOUTH	15011
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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 2998
16. Multiple N	17. Proposed Depth 10300	18. Formation Bone Spring	19. Contractor	20. Spud Date 8/15/2014
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	400	420	0
Int1	12.25	9.625	36	2530	1050	0
Prod	8.75	7	26	10300	0	0
Prod	8.75	7	26	8000	1280	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill a 17 1/2" hole to 400', run 13 3/8" casing and cement. Drill a 12 1/4" hole to 2530', run 9 5/8" casing and cement. Drill a 8 3/4" hole to 10,300', run 7" HCP-110 8,000-10,300' & 7" L-80 0-8,000' casing and cement. 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 checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Jerry Sherrell	Approved By: Randy Dade
Title: Production Clerk	Title: District Supervisor
Email Address: jerrys@mec.com	Approved Date: 8/12/2014      Expiration Date: 8/12/2016
Date: 8/8/2014      Phone: 575-748-1288	Conditions of Approval Attached

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Form C-102  
August 1, 2011  
Permit 190351

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-42571	2. Pool Code 15011	3. Pool Name CULEBRA BLUFF;BONE SPRING, SOUTH
4. Property Code 313574	5. Property Name Club Fee	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 2998

**10. Surface Location**

UL - Lot H	Section 26	Township 23S	Range 28E	Lot Idn	Feet From 1650	N/S Line N	Feet From 990	E/W Line E	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00				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" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td><td style="width: 25%; height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> <tr><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td><td style="height: 30px;"></td></tr> </table>																	<p style="text-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 Title:                Production Clerk Date:                 8/8/2014</p> <hr/> <p style="text-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 Date of Survey:     7/11/2014 Certificate Number: 12797</p>

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Form APD Comments

Permit 190351

**PERMIT COMMENTS**

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-015-42571
		Well: Club Fee #001
Created By	Comment	Comment Date
DWEAVER	H2S concentrations of wells in this area from Surface to TD are low enough that a contingency plan is not required.	8/8/2014
CSHAPARD	Land p/P	8/8/2014

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Form APD Conditions

Permit 190351

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211		API Number: 30-015-42571
		Well: Club Fee #001
OCD Reviewer	Condition	
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	