

**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 157333

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

1. Operator Name and Address <b>MACK ENERGY CORP</b> PO Box 960 Artesia, NM 88211	2. OGRID Number 13837
	3. API Number 30-015-40831
4. Property Code 39536	5. Property Name BISHOP STATE COM
	6. Well No. 001

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	3	23S	23E	A	330	N	355	E	EDDY

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	3	23S	23E	P	355	S	355	E	Eddy

**9. Pool Information**

INDIAN BASIN;YESO, SOUTH	96334
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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 4266
16. Multiple N	17. Proposed Depth 6672	18. Formation Yeso Formation	19. Contractor	20. Spud Date 12/1/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	375	375	0
Int1	12.25	8.625	24	2650	1350	0
Prod	7.875	5.5	17	6672	1075	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill a 17 1/2" hole to 375', run 13 3/8" casing and cement. Drill a 12 1/4" hole to 2650', run 8 5/8" casing and cement. Drill a 7 7/8" horizontal hole to MD 6672', run 5 1/2 " casing and cement. Put well on production.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	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 checked="" type="checkbox"/> , if applicable. Signature: _____ Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 11/6/2012	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; padding: 5px;"><b>OIL CONSERVATION DIVISION</b></td> </tr> <tr> <td colspan="2" style="padding: 5px;">Approved By: Randy Dade</td> </tr> <tr> <td style="padding: 5px;">Title: District Supervisor</td> <td style="padding: 5px;">Approved Date: 11/7/2012</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Expiration Date: 11/7/2014</td> </tr> <tr> <td colspan="2" style="padding: 5px;">Conditions of Approval Attached</td> </tr> </table>	<b>OIL CONSERVATION DIVISION</b>		Approved By: Randy Dade		Title: District Supervisor	Approved Date: 11/7/2012	Expiration Date: 11/7/2014		Conditions of Approval Attached	
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Approved By: Randy Dade											
Title: District Supervisor	Approved Date: 11/7/2012										
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Conditions of Approval Attached											
Phone: 505-748-1288											

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

Form C-102  
August 1, 2011  
Permit 157333

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-40831	2. Pool Code 96334	3. Pool Name INDIAN BASIN;YESO, SOUTH
4. Property Code 39536	5. Property Name BISHOP STATE COM	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 4266

**10. Surface Location**

UL - Lot A	Section 3	Township 23S	Range 23E	Lot Idn	Feet From 330	N/S Line N	Feet From 355	E/W Line E	County EDDY
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**11. Bottom Hole Location If Different From Surface**

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UL - Lot A	Section 3	Township 23S	Range 23E	Lot Idn A	Feet From 355	N/S Line S	Feet From 355	E/W Line E	County EDDY
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" style="width: 100%; height: 150px;"> <tr><td></td><td></td><td></td><td style="background-color: #cccccc; text-align: center;">●</td></tr> <tr><td></td><td></td><td></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td></td><td></td><td style="background-color: #cccccc;"></td></tr> <tr><td></td><td></td><td></td><td style="background-color: #cccccc; text-align: center;">■</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: 11/6/2012</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: Ronald Eidson Date of Survey: 9/12/2012 Certificate Number: 3239</p>
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## Permit Comments

**Operator:** MACK ENERGY CORP , 13837

**Well:** BISHOP STATE COM #001

**API:** 30-015-40831

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.	11/5/2012
CSHAPARD	Land s/S	11/7/2012



# Permit Conditions of Approval

**Operator:** MACK ENERGY CORP , 13837

**Well:** BISHOP STATE COM #001

**API:** 30-015-40831

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