

**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 150931

**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
		3. API Number 30-025-40664
4. Property Code 39307	5. Property Name MESCALERO 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
O	11	12S	34E	O	220	S	2104	E	LEA

**8. Pool Information**

FOUR LAKES;UPPER PENN	25460
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4147
14. Multiple N	15. Proposed Depth 14733	16. Formation Pennsylvanian	17. Contractor	18. Spud Date 7/30/2012
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**19. 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	400	500	0
Int1	12.25	9.625	40	4250	1150	0
Int2	8.75	7	26	10150	1350	0
Prod	6.125	4.5	11.6	14733	475	9500

**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 4250', run 9 5/8 casing and cement. Drill a 8 3/4 hole to 10150', run 7" casing and cement. Drill 6 1/8 horizontal section, run 4 1/2 liner from TD-9500' and cement.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 7/3/2012	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 7/3/2012	Expiration Date: 7/3/2014
	Conditions of Approval Attached	

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

Form C-102  
August 1, 2011  
Permit 150931

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-40664	2. Pool Code 25460	3. Pool Name FOUR LAKES;UPPER PENN
4. Property Code 39307	5. Property Name MESCALERO STATE COM	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 4147

**10. Surface Location**

UL - Lot O	Section 11	Township 12S	Range 34E	Lot Idn	Feet From 220	N/S Line S	Feet From 2104	E/W Line E	County LEA
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**11. Bottom Hole Location If Different From Surface**

11. Bottom Hole Location If Different From Surface									
UL - Lot B	Section 11	Township 12S	Range 34E	Lot Idn B	Feet From 355	N/S Line N	Feet From 2285	E/W Line E	County LEA
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**

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**OPERATOR CERTIFICATION**

*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.*

E-Signed By: Jerry Sherrell  
Title: Production Clerk  
Date: 7/3/2012

**SURVEYOR CERTIFICATION**

*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.*

Surveyed By: Gary Eidson  
Date of Survey: 5/18/2012  
Certificate Number: 12641

## Permit Comments

**Operator:** MACK ENERGY CORP , 13837

**Well:** MESCALERO STATE COM #001

**API:** 30-025-40664

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.	6/26/2012
pkautz	Land p/S	7/3/2012
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT #P1-04875	7/3/2012

# Permit Conditions of Approval

**Operator:** MACK ENERGY CORP , 13837

**Well:** MESCALERO STATE COM #001

**API:** 30-025-40664

OCD Reviewer	Condition
pkautz	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