

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-6161 Fax:(505) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 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  
June 16, 2008  
Permit 134855

**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 30-025-40197
4. Property Code 34432	5. Property Name OHIO STATE	6. Well No. 005

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	7	18S	35E	K	1920	S	2130	W	LEA

**8. Pool Information**

VACUUM;BLINEBRY	61850
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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 3969
14. Multiple N	15. Proposed Depth 7500	16. Formation Blinebry	17. Contractor	18. Spud Date 8/20/2011
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	12.25	8.625	24	1600	800	0
Prod	7.875	5.5	17	7500	1115	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill a 12 1/4 hole to 1,600', run 8 5/8 casing and cement. Drill a 7 7/8 hole to 7,500' test the Blinebry formation, run 5 1/2 casing and cement. Note: On production string a hole caliper will be run and will figure cement with excess, attempt to circulate.

**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"/> .	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 7/25/2011	Expiration Date: 7/25/2013
	Conditions of Approval Attached	
Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 7/21/2011      Phone: 505-748-1288		

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 134855

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-40197	2. Pool Code 61850	3. Pool Name VACUUM;BLINEBRY
4. Property Code 34432	5. Property Name OHIO STATE	6. Well No. 005
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3969

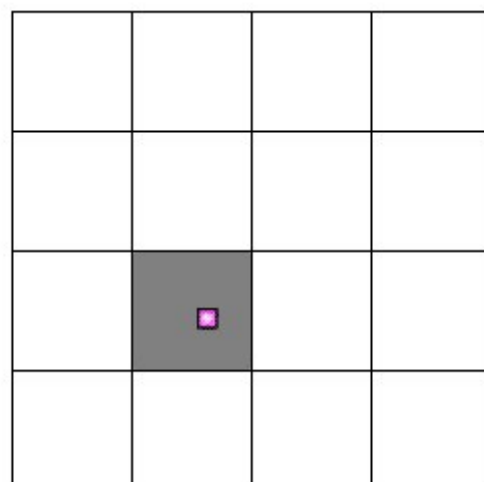
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	7	18S	35E		1920	S	2130	W	LEA

**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**



**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: 7/21/2011

**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: Ronald Eidson  
Date of Survey: 7/20/2011  
Certificate Number: 3239

## Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: OHIO STATE #005

API: 30-025-40197

Created By	Comment	Comment Date
DWEAVER	H2S concentrations of wells in the area from surface to TD are low enough that a contingency plan is not required.	7/20/2011
pkautz	Land S/S	7/25/2011
DMULL	OCD Hobbs office has received the form C-144CLEZ. OCD Permit Number P1-03509.	7/25/2011

# Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: OHIO STATE #005

API: 30-025-40197

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