

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

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 37147		3. API Number 30-015-36310
5. Property Name RAMS 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
M	16	16S	29E	M	1015	S	430	W	EDDY

8. Pool Information

COUNTY LINE TANK; ABO (O)	97197
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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 3653
14. Multiple N	15. Proposed Depth	16. Formation Abo	17. Contractor	18. Spud Date 5/15/2008
Depth to Ground water 100		Distance from nearest fresh water well		Distance to nearest surface water

Pit: Liner: Synthetic ☐ mils thick Clay ☐ Pit Volume: bbls Drilling Method:
 Closed Loop System ☒ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

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	380	400	0
Int1	12.25	9.625	36	1800	850	0
Prod	8.75	5.5	17	11361	2500	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2 hole to 380', run 13 3/8 casing and cement. Drill a 12 1/4 hole to 1800', run 9 5/8 casing and cement. Drill a 8 3/4 hole to 11,361 MD, 7129 TVD. run 5 1/2 LS-110 0-1600', L-80 1600-6200', Buttress 6200-11361' 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"/>.	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Jerry Sherrell	Approved By: Tim Gum	
Title: Production Clerk	Title: District Supervisor	
Email Address: jerrys@mackenergycorp.com	Approved Date: 5/1/2008	Expiration Date: 5/1/2010
Date: 4/24/2008	Phone: 505-748-1288	

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

District II
 1301 W. Grand Ave., 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

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Form C-102
 Permit 73848

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-36310	2. Pool Code 97197	3. Pool Name COUNTY LINE TANK; ABO (O)
4. Property Code 37147	5. Property Name RAMS STATE COM	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3653

10. Surface Location

UL - Lot M	Section 16	Township 16S	Range 29E	Lot Idn	Feet From 1015	N/S Line S	Feet From 430	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

11. Bottom Hole Location if Different from Surface									
UL - Lot P	Section 16	Township 16S	Range 29E	Lot Idn P	Feet From 965	N/S Line S	Feet From 330	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

	<p align="center">OPERATOR CERTIFICATION</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: 4/24/2008</p>		
	<p align="center">SURVEYOR CERTIFICATION</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: 4/11/2008 Certificate Number: 3239</p>		

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: RAMS STATE COM #001

API: 30-015-36310

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.	4/24/2008