

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
		3. API Number 30-05-29085
4. Property Code 37603	5. Property Name JERRY STATE	6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	21	15S	31E	M	365	S	330	W	CHAVES

8. Pool Information

WILDCAT ABO-WOLFCAMP	0
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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 4420
14. Multiple N	15. Proposed Depth 13215	16. Formation Abo	17. Contractor	18. Spud Date 4/4/2009
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	1400	750	0
Prod	7.875	5.5	17	9000	1200	0
Prod	6.126	4.5	11.6	13215	0	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4 hole to 1400', run 9 5/8 casing and cement. Drill a 7 7/8 hole to 9000' reduce hole to 6 1/8 and TD at 13215', 5 1/2 casing from 0-9000' with a external casing packer and ported collar at 8300' to cement 5 1/2 casing back to surface, 4 1/2 casing from 9000-13215' set with isolation packers and strata ports.

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 NMOC 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@mackenergycorp.com Date: 3/3/2009 Phone: 505-748-1288	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 4/8/2009	Expiration Date: 4/8/2011

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

State of New Mexico
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Form C-102
 Permit 91128

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-05-29085	2. Pool Code	3. Pool Name WILDCAT ABO-WOLFCAMP
4. Property Code 37603	5. Property Name JERRY STATE	6. Well No. 002
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 4420

10. Surface Location

UL - Lot M	Section 21	Township 15S	Range 31E	Lot Idn	Feet From 365	N/S Line S	Feet From 330	E/W Line W	County CHAVES
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11. Bottom Hole Location If Different From Surface

UL - Lot P	Section 21	Township 15S	Range 31E	Lot Idn P	Feet From 365	N/S Line S	Feet From 330	E/W Line E	County CHAVES
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

	OPERATOR CERTIFICATION		
	<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>		
	E-Signed By: Jerry Sherrell Title: Production Clerk Date: 3/3/2009		
	SURVEYOR CERTIFICATION		
<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>			
Surveyed By: Ronald Edison Date of Survey: 3/2/2009 Certificate Number: 3239			

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: JERRY STATE #002

API: 30-05-29085

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.	3/3/2009
DMULL	OCD has received form C-144 "Pit Registration". OCD Permit Number P1-01016.	4/8/2009