<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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

<u>District IV</u> 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 154454

97662

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

MACK	r Name and Address ENERGY CORP	2. OGRID Number 13837		
PO Box 960 Artesia, NM 88211		3. API Number 30-05-64157		
4. Property Code	5. Property Name	6. Well No.		
39430	LEAR STATE COM	001		

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	10	14S	29E	M	355	S	355	W	CHAVES

#### 8. Pool Information

WC; LONE WOLF; SAN ANDRES, SOUTH

Additional Well Information

	_		Tuditional Well Inform	in the same of the	37
9. Work Type New Well	10. We		11. Cable/Rotary	12. Lesse Type State	13. Ground Level Elevation 3769
14. Multiple	15. Prop	osed Depth	16. Formation	17. Contractor	18. Spud Date
N	7	309	San Andres		9/15/2012
Depth to Ground	water		Distance from nearest fresh water	r 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	325	400	0
Int1	12.25	8.625	32	2275	1125	0
Prod	7.875	5.5	17	7309	1150	0

## Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2 hole to 325', run 13 3/8 casing and cement to surface. Drill a 12 1/4 hole to 2275', run 8 5/8 casing and cement to surface. Drill a 7 7/8 horizontal hole to a MD of 7309', run 5 1/2 casing and cement to surface.

Proposed Blowout Prevention Program

Troposca Biowout Trevention Trogram									
Type	Working Pressure	Test Pressure	Manufacturer						
DoubleRam	3000	3000							

I hereby certify that the information given of my knowledge and belief. I further certify that the drilling pit w		OIL CONSERVATION DIVISION			
NMOCD guidelines , a general pern OCD-approved plan .		Approved By: Randy Dade			
Printed Name: Electronically filed	by Jerry Sherrell	Title: District Supervisor			
Title: Production Clerk		Approved Date: 9/9/2012	Expiration Date: 9/9/2014		
Email Address: jerrys@mec.com		1-774 ) I			
Date: 9/5/2012	Phone: 505-748-1288	Conditions of Approval Attached			

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State of New Mexico

August 1, 2011 Energy, Minerals and Natural Resources

Permit 154454

Form C-102

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

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	WC; LONE WO	3. Pool Name
30-05-64157	97662		DLF; SAN ANDRES, SOUTH
4. Property Code		rty Name	6. Well No.
39430		ATE COM	001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP		9. Elevation 3769

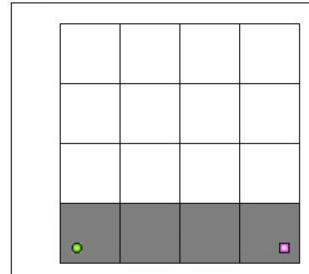
#### 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	10	14S	29E		355	S	355	W	CHAVES

#### 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
P	10	14S	29E	P	355	S	355	E	CHAVES
	cated Acres	13. 3	oint 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: 9/5/2012

### 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: Ronald Eidson Date of Survey: 8/13/2012 Certificate Number: 3239

## **Permit Comments**

Operator: MACK ENERGY CORP , 13837 Well: LEAR STATE COM #001

API: 30-05-64157

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.	9/5/2012
CSHAPARD	Land s/S	9/7/2012

# Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837 Well: LEAR STATE COM #001

API: 30-05-64157

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