## State of New Mexico

Form C-101 Permit 82260

### 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	2. OGRID Number		
M	13837			
Δ	PO BOX 960 .RTESIA , NM 88211	3. API Number		
r	ICLESIA, MW 60211	30-05-64057		
4. Property Code	5. Property Name	6. Well No.		
37388	CONCHAS STATE	001		

### 7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	36	15S	29E	P	355	S	330	E	CHAVES

#### 8. Pool Information

COUNTY LINE TANK; ABO (O)
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### Additional Well Information

9. Work Type New Well	2000	10. Well Type 11. Cable/Rotary OIL		12. Lease Type State	13. Ground Level Elevation 3847	
14. Multiple N	.		16. Formation Abo	17. Contractor	18. Spud Date 9/20/2008	
Depth to Ground	Depth to Ground water			fresh water well	Distance to nearest surface water	
Pit: Liner: Synthetic [ Closed Loop Syste	m 「	mils thick	Clay Pit Volume:	bbls Drilling Method: Fresh Water ⊠ Brine	Diesel/Oil-based Gas/Air	

19. Proposed Casing and Cement Program

Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	32	1800	750	0
Prod	7.875	5.5	17	7250	1200	0
Prod	6.125	4.5	11.6	11750	0	0

### Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4 hole to 1800', run 8 5/8 casing and cement. Drill a 7 7/8 hole to 7250' reduce hole to 6 1/8 and TD at 11750'. 5 1/2" casing from 0-7250' with a external casing packer and ported collar at 6500' to cement 5 1/2 casing back to surface. 4 1/2 casing from 7250-11,953' set with isolation packers and strata ports.

Proposed Blowout Prevention Program

			33
Туре	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	OIL CONSERVATION DIVISION				
NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .	Approved By: Tim Gum				
Printed Name: Electronically filed by Jerry Sherrell	Title: District Supervisor				
Title: Production Clerk	Approved Date: 9/20/2008 Expiration Date: 9/20/2010				
Email Address: jerrys@mackenergycorp.com					
Date: 9/18/2008   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

<u>District III</u>

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

Form C-102 Permit 82260

# Energy, Minerals and Natural Resources

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

10.5				
1. API Number	2. Pool Code	3. Pool Name		
30-05-64057	97197	COUNTY LINE TANK; ABO (O)		
4. Property Code	5. Property	Name 6.1	Well No.	
37388	CONCHAS STATE		001	
7. OGRID No.	8. Operato	Name 9.1	Elevation	
13837	MACK ENER	GY CORP	3847	

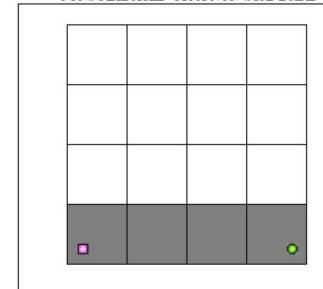
#### 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	36	15S	29E		355	S	330	E	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	36	15S	29E	P	355	S	330	W	CHAVES
12. Dedicated Acres 160.00		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: 9/18/2008

### 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: 9/18/2008 Certificate Number: 3239

# **Permit Comments**

Operator: MACK ENERGY CORP , 13837 Well: CONCHAS STATE #001

30-05-64057 API:

Created By	Comment	Comment Date
DWSHERRELL	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	9/18/2008