

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

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

Form C-101

**APPLICATION FOR PERMIT TO DRILL**

Operator Name and Address <b>Mack Energy Corportation PO Box 960 Artesia, NM 88211-0960</b>		OGRID Number <b>13837</b>
		API Number <b>30-15-33006</b>
Property Code <b>24229</b>	Property Name <b>MIMOSA STATE</b>	Well No. <b>003</b>

**Surface Location**

UL or Lot <b>K</b>	Section <b>30</b>	Township <b>17S</b>	Range <b>29E</b>	Lot Idn	Feet From <b>2160</b>	N/S Line <b>S</b>	Feet From <b>1919</b>	E/W Line <b>W</b>	County <b>Eddy</b>
-----------------------	----------------------	------------------------	---------------------	---------	--------------------------	----------------------	--------------------------	----------------------	-----------------------

**Proposed Pools**

<b>EMPIRE; YESO 96210</b>
---------------------------

Work Type <b>New Well</b>	Well Type <b>Oil</b>	Cable/Rotary	Lease Type <b>State</b>	Ground Level Elevation <b>3655</b>
Multiple <b>N</b>	Proposed Depth <b>4350</b>	Formation <b>Yeso Formation</b>	Contractor	Spud Date <b>9/25/2003</b>

**Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	300	150	0
Int1	12.25	8.625	24	800	450	0
Prod	7.875	5.5	17	4350	950	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill to 150, run 13 3/8 casing and cement. Drill to 800, run 8 5/8 casing and cement. Drill to 4350 test Yeso zone, run 5 1/2 casing and cement. Put well on production. Note: On production string a fluid caliper will be run, will figure cement with 25% excess, attempt to circulate.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
<b>Double Ram</b>	<b>2000</b>	<b>2000</b>	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Jerry Sherrell

Title: Production Clerk

Date: 9/17/2003

Phone: 505-748-1288

## OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 9/18/2003

Expiration Date: 9/18/2004

Conditions of Approval:

There are conditions. See Attached.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-102

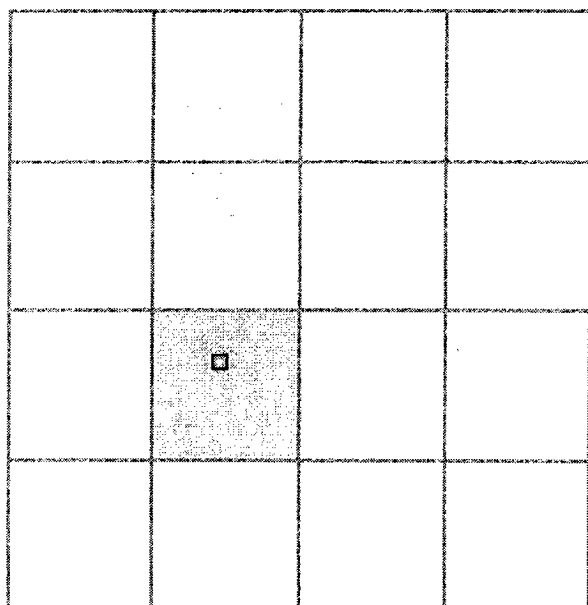
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-15-33006	Pool Name EMPIRE; YESO	Pool Code 96210
Property Code 24229	Property Name MIMOSA STATE	Well No. 003
OGRID No. 13837	Operator Name Mack Energy Corporation	Elevation 3655

### Surface And Bottom Hole Location

UL or Lot K	Section 30	Township 17S	Range 29E	Lot Idn 4	Feet From 2160	N/S Line S	Feet From 1919	E/W Line W	County Eddy
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No.			



#### OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.*

Electronically Signed By: Jerry Sherrell

Title: Production Clerk

Date: 9/17/2003

#### 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.*

Electronically Signed By: Gary Eidson

Date of Survey: 9/13/2003

Certificate Number: 12641

**APD Comments****Operator: 13837 Mack Energy Corpotation****Well: MIMOSA STATE 003**

User Name	Comment	Comment Date
JWSHERRELL	Concentration of H2S from the Yeso wells on this lease are low enough, that a contingency plan is not needed.	9/17/2003

## APD Conditions Of Approval

**Operator: 13837 Mack Energy Corportation**

**Well: MIMOSA STATE 003**

OCD Reviewer	Condition
BARRANT	Please note change in surface casing in order to protect what ground water may be present.