

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

## APPLICATION FOR PERMIT TO DRILL

Operator Name and Address Mack Energy Corporation PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-15-32732
Property Code 30039	Property Name AOUDAD STATE	Well No. 003

## Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	36	17S	31E		1650	N	1650	E	Eddy

## Proposed Pools

MALJAMAR;GRAYBURG-SAN ANDRES 43329

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3833
Multiple N	Proposed Depth 5000	Formation San Andres	Contractor	Spud Date 4/15/2003

## 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	800	650	0
Int I	12.25	8.625	32	2200	900	0
Prod	7.875	5.5	17	5000	825	0

## Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 800, run 13 3/8 casing and cement. Drill to 2200 run 8 5/8 casing and cement. Drill to 5000 and test San Andres Zone, run 5 1/2 casing and cement. Put well on production. Note: On production string, a fluid caliper will be run and will figure cement with 25% excess, attempt to circulate.

## Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

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: 4/9/2003

Phone: 505-748-1288

## OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 4/10/2003

Expiration Date: 4/10/2004

Conditions of Approval:

No Conditions

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Form C-102

**Oil Conservation Division**

1220 S. St Francis Dr.

Santa Fe, NM 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-15-32732	Pool Name MALJAMAR;GRAYBURG-SAN ANDRES	Pool Code 43329
Property Code 30039	Property Name AOUDAD STATE	Well No. 003
OGRID No. 13837	Operator Name Mack Energy Corporation	Elevation 3833

**Surface And Bottom Hole Location**

UL or Lot G	Section 36	Township 17S	Range 31E	Lot Idn	Feet From 1650	N/S Line N	Feet From 1650	E/W Line E	County Eddy
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

		<input checked="" type="checkbox"/>	

**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: 4/9/2003

**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: Ronald Eidson

Date of Survey: 4/4/2003

Certificate Number: 3239