

## 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>30-15-32732</b>
Property Code <b>30039</b>	Property Name <b>AOUDAD STATE</b>	Well No. <b>003</b>

**Surface Location**

UL or Lot <b>G</b>	Section <b>36</b>	Township <b>17S</b>	Range <b>31E</b>	Lot Idn	Feet From <b>1650</b>	N/S Line <b>N</b>	Feet From <b>1650</b>	E/W Line <b>E</b>	County <b>Eddy</b>
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**Proposed Pools**

<b>MALJAMAR;GRAYBURG-SAN ANDRES 43329</b>
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Work Type <b>New Well</b>	Well Type <b>Oil</b>	Cable/Rotary	Lease Type <b>State</b>	Ground Level Elevation <b>3833</b>
Multiple <b>N</b>	Proposed Depth <b>5000</b>	Formation <b>San Andres</b>	Contractor	Spud Date <b>4/15/2003</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	800	650	0
Int1	12.25	8.625	32	2200	900	0
Prod	7.875	5.5	17	5000	825	0

**Casing/Cement Program: Additional Comments**

<b>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.</b>
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**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.		OIL CONSERVATION DIVISION	
Electronically Signed By: Jerry Sherrell		Electronically Approved By: Bryan Arrant	
Title: Production Clerk		Title: Geologist	
Date: 4/9/2003		Approval Date: 4/10/2003	Expiration Date: 4/10/2004
Phone: 505-748-1288		Conditions of Approval: No Conditions	

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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 30-15-32732	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.						

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**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