

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 Mack Energy Corportation PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-15-32742
Property Code 30039	Property Name AOUDAD STATE	Well No. 004

Surface Location

UL or Lot A	Section 36	Township 17S	Range 31E	Lot Idn	Feet From 990	N/S Line N	Feet From 790	E/W Line E	County Eddy
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Proposed Pools

MALJAMAR;GRAYBURG-SAN ANDRES

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3843
Multiple N	Proposed Depth 5000	Formation San Andres	Contractor	Spud Date 4/20/2003

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
Int1	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.		OIL CONSERVATION DIVISION	
Electronically Signed By: Jerry Sherrell		Electronically Approved By: Bryan Arrant	
Title: Production Clerk		Title: Geologist	
Approval Date: 4/14/2003		Expiration Date: 4/14/2004	
Date: 4/11/2003		Conditions of Approval: No Conditions	
Phone: 505-748-1288			

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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 30-15-32742	Pool Name MALJAMAR;GRAYBURG-SAN ANDRES	Pool Code
Property Code 30039	Property Name AOUDAD STATE	Well No. 004
OGRID No. 13837	Operator Name Mack Energy Corporation	Elevation 3843

Surface And Bottom Hole Location

UL or Lot A	Section 36	Township 17S	Range 31E	Lot Idn	Feet From 990	N/S Line N	Feet From 790	E/W Line E	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: 4/11/2003

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: 4/10/2003

Certificate Number: 3239