

file

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 30-15-32664
Property Code 18731	Property Name WILLOW STATE	Well No. 002

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	16	17S	31E		990	S	1650	E	Eddy

Proposed Pools

FREN;PADDOCK 26770

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3831
Multiple N	Proposed Depth 6400	Formation Paddock	Contractor	Spud Date 4/19/2003

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	300	350	0
Int1	12.25	8.625	24	1700	800	0
Prod	7.875	5.5	17	6400	1900	0

Casing/Cement Program: Additional Comments

Mack Energy Corporation proposes to drill to 300, run 13 3/8 casing and cement. Drill to 1700, run 8 5/8 casing and cement, Drill to 6400 and test Paddock formation, if commercial will run 5 1/2 casing and cement, put on production. Note: On production string, fluid caliper will be run, will figure cement with 25% excess, attempt to circ cement to surface.

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	
Date: 3/3/2003		Approval Date: 3/3/2003	Expiration Date: 3/3/2004
Phone: 505-748-1288		Conditions of Approval: There are conditions. See Attached.	

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Form C-102

Oil Conservation Division
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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-15-32664	Pool Name FREN;PADDOCK	Pool Code 26770
Property Code 18731	Property Name WILLOW STATE	Well No. 002
OGRID No. 13837	Operator Name Mack Energy Corporation	Elevation 3831

Surface And Bottom Hole Location

UL or Lot O	Section 16	Township 17S	Range 31E	Lot Idn	Feet From 990	N/S Line S	Feet From 1650	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: 3/3/2003

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: 1/24/1997

Certificate Number: 3239

APD Conditions Of Approval

Operator: 13837 Mack Energy Corportation

Well: WILLOW STATE 002

OCD Reviewer	Condition
BARRANT	Operator to set water protection string @ 350 in anhydrite section of Rustler.