

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
Permit 7404

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-025-37106
Property Code 34657	Property Name RAVEN STATE	Well No. 001

Surface Location

UL or Lot G	Section 9	Township 18S	Range 34E	Lot Idn G	Feet From 2310	N/S Line N	Feet From 1700	E/W Line E	County Lea
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Proposed Pools

VACUUM;GRAYBURG-SAN ANDRES 62180

Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 4044
Multiple N	Proposed Depth 5600	Formation San Andres Formation	Contractor	Spud Date 03/05/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	350	300	0
Prod	7.875	5.5	17	5600	1200	0

Casing/Cement Program: Additional Comments

Mack Energy Corporation proposes to drill a 12 1/4 hole to 350, run 8 5/8 casing and cement. Drill a 7 7/8 hole to 5600 using the Lea County Alternative, test San Andres formation and run 5 1/2 casing and cement. 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: 02/28/2005

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 03/01/2005

Expiration Date: 03/01/2006

Conditions of Approval:

There are conditions. See Attached.