

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 12848

### APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-025-37328
Property Code 34909	Property Name RAINBOW 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
C	17	16S	32E	C	990	N	2310	W	Lea

### Proposed Pools

Wildcat San Andres
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Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 4363
Multiple N	Proposed Depth 4300	Formation San Andres	Contractor	Spud Date 07/07/2005

### 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	350	0
Prod	7.875	5.5	17	4300	1100	0

### Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 350 run 8 5/8 casing and cement. Drill to 4300 using the Lea County Alternative test San Andres Zone, 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.
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### 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: 06/29/2005

Phone: 505-748-1288

### OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 06/30/2005

Expiration Date: 06/30/2006

Conditions of Approval:

There are conditions. See Attached.