

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 8564

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-34036
Property Code 34716	Property Name CATFISH STATE	Well No. 004

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	24	16S	31E	H	2310	N	330	E	Eddy

Proposed Pools

GRAYBURG JACKSON,SR-Q-G-SA 28509

Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 4379
Multiple N	Proposed Depth 4300	Formation San Andres	Contractor	Spud Date 03/30/2005

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	290	400	0
Int1	12.25	8.625	24	1200	700	0
Prod	7.875	5.5	17	4300	875	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2 hole with fresh water to 290, run 13 3/8 casing and cement. Drill a 12 1/4 hole with fresh water to 1200 run 8 5/8 casing and cement. Drill a 7 7/8 hole to 4300 test Grayburg/San Andres formation, 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: 03/18/2005

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 03/21/2005 Expiration Date: 03/21/2006

Conditions of Approval:
There are conditions. See Attached.