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 8560

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address	OGRID Number
MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960	13837

	API Number
	30-015-34034

Property Code	Property Name	Well No.
34716	CATFISH STATE	002

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	24	16S	31E	A	990	N	330	E	Eddy

Proposed Pools

GRAYBURG JACKSON;SR-Q-G-SA   28509

Work Type	Well Type	Cable/Rotary	Lease Type	Ground Level Elevation
New Well	OIL		State	4384

Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	4300	San Andres		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	**OIL CONSERVATION DIVISION**
	Electronically Approved By: Bryan Arrant
Title: Production Clerk	Title: Geologist
Date: 03/18/2005 Phone: 505-748-1288	Approval Date: 03/31/2005 Expiration Date: 03/31/2006
	Conditions of Approval: There are conditions. See Attached.