

**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 958

**APPLICATION FOR PERMIT TO DRILL**

Operator Name and Address		OGRID Number
MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		13837
		API Number
		30-025-36692
Property Code	Property Name	Well No.
24258	MATADOR 19 STATE	002

**Surface Location**

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	19	16S	32E	3	2310	S	330	W	Lea

**Proposed Pools**

GRAYBURG JACKSON;SR-Q-G-SA 28509
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Work Type	Well Type	Cable/Rotary	Lease Type	Ground Level Elevation
New Well	OIL		State	4380
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	4500	San Andres		05/20/2004

**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	400	400	0
Int1	12.25	8.625	24	2200	800	0
Prod	7.875	5.5	17	4500	1100	0

**Casing/Cement Program: Additional Comments**

Mack Energy proposes to drill to 400 run 13 3/8 casing and cement. Drill to 2200 run 8 5/8 casing and cement. Drill to 4500 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

**OIL CONSERVATION DIVISION**

Electronically Approved By: Paul Kautz

Title: Geologist