

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 821

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-33370
Property Code 33009	Property Name RED LAKE SAND UNIT	Well No. 079

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	29	17S	28E	C	1310	N	1950	W	Eddy

Proposed Pools

WC RED LAKE SHORES; GRAYBURG 97335

Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 3606
Multiple N	Proposed Depth 2100	Formation Grayburg	Contractor	Spud Date 04/15/2004

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	400	275	0
Prod	7.875	4.5	10.5	2100	800	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 400 set 8 5/8 casing and cement. Drill to 2100 test Grayburg zone, run 4 1/2 casing and cement. Put well on production. 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

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 04/06/2004 Expiration Date: 04/06/2005