

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 2221

### APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-33692
Property Code 23810	Property Name MESQUITE STATE	Well No. 013

### Surface Location

UL or Lot K	Section 20	Township 17S	Range 29E	Lot Idn K	Feet From 1700	N/S Line S	Feet From 1650	E/W Line W	County Eddy
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### Proposed Pools

EMPIRE, YESO, EAST 96610
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Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type State	Ground Level Elevation 3630
Multiple N	Proposed Depth 4350	Formation Paddock	Contractor	Spud Date 11/01/2004

### 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	350	375	0
Int1	12.25	8.625	24	800	500	0
Prod	7.875	5.5	17	4350	900	0

### Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 350, run 13 3/8 casing and cement. Drill to 800, run 8 5/8 casing and cement. Drill to 4350 and test Paddock zone, run 5 1/2 casing and cement. Put well on production. Note: On production string, a fluid caliper will be run, 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: 10/29/2004

Phone: 505-748-1288

### OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 10/29/2004

Expiration Date: 10/29/2005

Conditions of Approval:

There are conditions. See Attached.