

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

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address		OGRID Number
Mack Energy Corportation PO Box 960 Artesia, NM 88211-0960		13837
		API Number
		30-15-32858
Property Code	Property Name	Well No.
23810	MESQUITE STATE	013

Surface Location

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

Proposed Pools

EMPIRE; YESO, EAST 96610

Work Type	Well Type	Cable/Rotary	Lease Type	Ground Level Elevation
New Well	Oil		State	3630
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	4350	Paddock		7/5/2003

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.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

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

Form C-102

Oil Conservation Division

1220 S. St Francis Dr.


Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-15-32858	Pool Name EMPIRE; YESO, EAST	Pool Code 96610
Property Code 23810	Property Name MESQUITE STATE	Well No. 013
OGRID No. 13837	Operator Name Mack Energy Corporation	Elevation 3630

Surface And Bottom Hole Location

UL or Lot K	Section 20	Township 17S	Range 29E	Lot Idn .	Feet From 1700	N/S Line S	Feet From 1650	E/W Line W	County Eddy
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No.			

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Jerry Sherrell

Title: Production Clerk

Date: 6/27/2003

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Electronically Signed By: Gary Eidson

Date of Survey: 6/20/2003

Certificate Number: 12641