

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 1522

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-33629
Property Code 34295	Property Name RADAR STATE	Well No. 001

Surface Location

UL or Lot K	Section 4	Township 19S	Range 23E	Lot Idn K	Feet From 1980	N/S Line S	Feet From 1980	E/W Line W	County Eddy
----------------	--------------	-----------------	--------------	--------------	-------------------	---------------	-------------------	---------------	----------------

Proposed Pools

RUNYAN RANCH;ABO (GAS) 84340

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3953
Multiple N	Proposed Depth 4800	Formation Abo	Contractor	Spud Date 09/27/2004

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	450	750	0
Int1	12.25	8.625	24	1600	1200	0
Prod	7.875	4.5	10.5	4800	800	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 450 run 13 3/8 casing and cement. Drill to 1600 run 8 5/8 casing and cement. Drill to 4800 test Abo 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

Date: 09/17/2004

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 09/17/2004

Expiration Date: 09/17/2005

Conditions of Approval:

There are conditions. See Attached.