

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 9929

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-34069
Property Code 34001	Property Name SOUTHERN CROSS 15 STATE	Well No. 003Y

Surface Location

UL or Lot F	Section 15	Township 18S	Range 24E	Lot Idn F	Feet From 1980	N/S Line N	Feet From 1930	E/W Line W	County Eddy
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Proposed Pools

PENASCO DRAW;PERMO PENN (GAS) 82775

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3751
Multiple N	Proposed Depth 6600	Formation Cisco	Contractor	Spud Date 04/20/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	32	1200	400	0
Prod	8.75	7	23	6200	1600	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 12 1/4 hole to 1200 run 9 5/8 casing and cement. Drill a 8 3/4 hole to 6200, run 7 casing and cement. Drill a 6 1/4 hole to 6600 with air test Cisco Zone, Put well on production open hole completion. 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: 04/14/2005

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 04/14/2005

Expiration Date: 04/14/2006

Conditions of Approval:

There are conditions. See Attached.