

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 15899

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CIMAREX ENERGY CO. 15 E 5th Street Tulsa, OK 74103		OGRID Number 215099
		API Number 30-015-34350
Property Code 35119	Property Name MCGRUDER 13 FEDERAL	Well No. 003

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	13	22S	25E	L	2445	S	260	W	Eddy

Bottom Holes

Pool: HAPPY VALLEY;MORROW (GAS) 78060									
UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	13	22S	25E	4	1980	N	1470	W	Eddy

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type Private	Ground Level Elevation 3438
Multiple N	Proposed Depth 12000	Formation Morrow	Contractor	Spud Date 10/31/2005

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	650	530	0
Int1	12.25	9.625	40	2200	730	0
Prod	8.75	5.5	17	12000	2140	1700

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Hydril	5000	5000	Cameron

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

Electronically Signed By: Sharon LaValley

Title: Manager

Date: 09/21/2005

Phone: 918-295-1673

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 09/26/2005

Expiration Date: 09/26/2006

Conditions of Approval:

There are conditions. See Attached.