

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 4811

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		OGRID Number 147179
		API Number 30-015-33885
Property Code 34532	Property Name CARRASCO 6 COM	Well No. 002

Surface Location

UL or Lot O	Section 6	Township 23S	Range 28E	Lot Idn O	Feet From 1030	N/S Line S	Feet From 2163	E/W Line E	County Eddy
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Proposed Pools

LOVING;MORROW, NORTH (GAS) 80695

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type Private	Ground Level Elevation 3043
Multiple N	Proposed Depth 15500	Formation Barnett Shale	Contractor	Spud Date 01/10/2005

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	375	750	0
Int1	12.25	9.625	40	4350	1100	0
Int2	8.75	7	26	11750	1025	0
Liner1	6.125	4.5	13.5	15500	300	11450

Casing/Cement Program: Additional Comments

13 3/8 csg cmtd w/550 sx 12.7 ppg, 1.89 yield; Lead 200 sx 14.8 ppg, 1.34 yield; 9 5/8 csg. cmt w/800 sx 11.9 ppg, 2.45 yield, tail w/300 sx 14.8 ppg 1.34 yield; 7 inter csg. cmt: 1st stage lead 330 sx 11.9 ppg, 2.45 yield; tail 90 sx 15.6 ppg, 1.18 yield; 2nd stage lead 505 sx 11.9 ppg, 2.45 yield; tail 100 sx 15.6 ppg, 1.18 yield; 4 1/2 liner set @ 15,500. TOL 11,450 Cmtd w/300 sx 13.2 ppg, 1.60 yield.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3500	
Double Ram	10000	10000	

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

Electronically Signed By: Brenda Coffman

Title: Regulatory Analyst

Date: 01/07/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 01/11/2005

Expiration Date: 01/11/2006

Conditions of Approval:

There are conditions. See Attached.