

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 8083

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		OGRID Number 147179
		API Number 30-025-37130
Property Code 34682	Property Name CHAVLEA 19 STATE	Well No. 001

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	19	12S	32E	4	660	S	660	W	Lea

Proposed Pools

CAPROCK;MORROW, WEST (GAS) 73780

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 4399
Multiple N	Proposed Depth 11300	Formation Mississippi Limestone	Contractor	Spud Date 04/01/2005

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	360	400	0
Int1	11	8.625	32	3600	780	0
Prod	7.875	5.5	17	11300	1025	3000

Casing/Cement Program: Additional Comments

Surf Csg: 13 3/8 Cmt'd w/190 sx 35:65 Poz C1C + 2% CaCl2 + additives, Tail in w/210 sx C1. C + 2% CaCl2, circ. to surface.
11 csg. cmt'd w/ 650 sx 50:50 Poz: C1C + additives, Tail in w/110 sx C1. C + CaCl2 Circ. to surface. 5 1/2 csg. cmt'd w/130 sx 50:50 Poz C1H + additives, 1st Stage Tail: 335 sx 50:50 Poz C1H + additives; 2nd stage 510 sx 50:50 Poz C1H + additives, Tail w/50 sx 50:50 Poz C1H + additives.

Proposed Blowout Prevention Program

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

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: 03/10/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 03/11/2005

Expiration Date: 03/11/2006

Conditions of Approval:

There are conditions. See Attached.