

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 3803

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		OGRID Number 147179
		API Number 30-025-37015
Property Code 300218	Property Name BOURDON 18	Well No. 005

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	18	20S	39E	H	1980	N	660	E	Lea

Proposed Pools

D-K;ABO 15200

Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type Private	Ground Level Elevation 3547
Multiple N	Proposed Depth 8000	Formation Abo	Contractor	Spud Date 01/05/2004

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1633	850	0
Prod	7.875	5.5	17	8000	1700	

Casing/Cement Program: Additional Comments

8 5/8 csg. cmt'd lead w/35:65 Poz Cl. C + 5% bwow sodium Ch; Tail w/Cl C 5 1/2 csg. Cmt'd first stage 50:50 Poz Cl. C + 5% Sodium Ch, 2nd stage lead 35:65 Poz Cl. C tail Cl. C

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	
Double Ram	3000	3000	

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: 12/14/2004

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 12/21/2004 Expiration Date: 12/21/2005

Conditions of Approval:
There are conditions. See Attached.