

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 4844

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		OGRID Number 147179
		API Number 30-025-37048
Property Code 300220	Property Name CAIN	Well No. 005

Surface Location

UL or Lot M	Section 14	Township 19S	Range 38E	Lot Idn M	Feet From 660	N/S Line S	Feet From 660	E/W Line W	County Lea
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Proposed Pools

NADINE;DRINKARD-ABO 47510
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Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type Private	Ground Level Elevation 3602
Multiple N	Proposed Depth 7400	Formation Abo	Contractor	Spud Date 03/20/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1700	800	0
Prod	7.875	5.5	17	7400	800	1000

Casing/Cement Program: Additional Comments

8 5/8 csg. lead 550 sx lt Prem + 2% CaCl2 Tail in w/250 sx Prem. Plus + 2% CaCl2. Circ. 5 1/2 csg. cmt w/270 sx 50:50 Poz Prem Plus Cmt; 2nd Stage Lead 430 sxs Interfill C Cmt; 2nd stage Tail: 100 sx Prem Plus Cmt
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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	3500	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: 01/07/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 01/18/2005

Expiration Date: 01/18/2006

Conditions of Approval:

There are conditions. See Attached.