

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 12266

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		OGRID Number 147179
		API Number 30-025-37294
Property Code 34862	Property Name SIMS 13 STATE	Well No. 001

Surface Location

UL or Lot L	Section 13	Township 20S	Range 35E	Lot Idn L	Feet From 1980	N/S Line S	Feet From 1140	E/W Line W	County Lea
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Proposed Pools

OSUDO;MORROW, WEST (GAS) 82240

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3660
Multiple N	Proposed Depth 13500	Formation Morrow	Contractor	Spud Date 06/20/2005

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	1500	1130	0
Int1	12.25	9.625	40	4000	1200	0
Int2	8.75	7	26	11200	780	3500
Prod	6.125	4.5	26	13500	235	10700

Casing/Cement Program: Additional Comments

13 3/8 csg cmt: Lead 930 sx C1 C + additives Tail 200 sx C1 C + additives; 9 5/8 Lead 1000 sx 35:65 Poz C1 C + additives Tail 200 sx of C1 C + additives; 7 1st Stage Tail 580 sx of 15:61:11 Poz C1. C 2nd Stage Lead 100 sx of 35:65 Poz. C1. H 2nd Stage Tail 100 sx of C1. H + additives; 4 1/2 Tail 235 sx of C1. C + additives TOC 10,700

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	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: 06/14/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 06/15/2005 Expiration Date: 06/15/2006

Conditions of Approval:
There are conditions. See Attached.