## State of New Mexico

Form C-101 Permit 45991

## Energy, Minerals and Natural Resources

## Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

## APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

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1	Operator Name and Address	2. OGRID Number
CHESA	PEAKE OPERATING, INC.	147179
OKIAL	P. O. BOX 18496 HOMA CITY , OK 731540496	3. API Number
OKLAI	OMA OITT, OK 751540490	30-025-38292
4. Property Code	5. Property Name	6. Well No.
36333	DH 5 STATE	001

## 7. Surface Location

UL - Lo	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	5	10S	34E	I	2160	S	660	E	LEA

## 8. Pool Information

X-4 RANCH;MISSISSIPPIAN, WEST (GAS)

97437

## Additional Well Information

	VC1		Auditolai wen inolliat	ioit .	0.00
9. Work Type New Well			11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 4246
14. Multiple N	100000000000000000000000000000000000000	osed Depth 2450	16. Formation Mississippi Limestone	17. Contractor	18. Spud Date 2/14/2007
Depth to Ground v 150	See a provincial and a second				Distance to nearest surface water > 1000
Pit: Liner: Synthetic 🔀 Closed Loop System	_	mils thick		rilling Method: resh Water 🔀 Brine 🗀	Diesel/Oil-based Gas/Air

19. Proposed Casing and Cement Program

Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	420	400	0
Int1	11	8.625	32	4100	950	0
Prod	7.875	5.5	17	12450	1000	3600

## Casing/Cement Program: Additional Comments

13 3/8" csg. Lead: 200 sx Prem Plus Light + 0.25 pps Flocele + 2% CaCl2, Tail: 200 sx Prem. Plus + 2% CaCl2. 8 5/8" cmt. Lead: 750 sx Interfill C + 0.25 pps Flocele, Tail: 200 sx Prem Plus + 1% CaCl2. 5 1/2" cmt: 1st Stage Lead: 200 sx Interfill H + 0.25 pps Flocele + 0.2% HR-7 2.45 yld; Tail: 150 sx Super H + 1.0 pps salt 1.6 yld. 2nd Stage Lead 500 sx Interfill H + 0.25 pps Flocele + 0.2% H\$R-7 2.45 yield. 2nd Stage Tail: 150 sx Premium 1.18 yield. TOC 3600".

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
DoubleRam	10000	10000	

of my knowledge and belief.	iven above is true and complete to the best it will be constructed according to	OIL CONSERVATION DIVISION					
NMOCD guidelines 🔀 a general j OCD-approved plan 🗀	ermit , or an (attached) alternative	Approved By: Chris Williams	,				
Printed Name: Electronically f	iled by Brenda Coffman	Title: District Supervisor					
Title: Regulatory Analyst	120	Approved Date: 2/23/2007	Expiration Date: 2/23/2008				
Email Address: bcoffman@ch	kenergy.com						
Date: 2/9/2007	Phone: 432-685-4310						

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

<u>District II</u>

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

1000 Rio Brazos Rd., Azzec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

## State of New Mexico

Form C-102 Permit 45991

## Energy, Minerals and Natural Resources Oil Conservation Division

1220 S. St Francis Dr. Santa Fe, NM 87505

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

	EDD DO CHILIOTHID ITC	TELLION DEDICTION			
1. API Number	2. Pool Code 3. Pool Name				
30-025-38292	97437	X-4 RANCH;MISSISSIPPIAN, WEST (GAS)			
4. Property Code	5. Prope	5. Property Name			
36333	DH 5	001			
7. OGRID No.	8. Opers	9. Elevation			
147179	CHESAPEAKE C	4246			

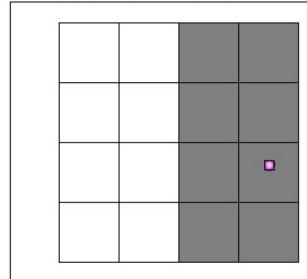
## 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	5	10S	34E		2160	S	660	E	LEA

## 11. Bottom Hole Location If Different From Surface

UL - Lot	Section	T	ownship	Range	Lot	Idn	Feet From	N/S L	ine	Feet From	E/W Line	County
10757475	ated Acres 0.28		13. 1	Joint or Infill		14	. Consolidation (	Code	15. Order No.			

# NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



## OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Brenda Coffman Title: Regulatory Analyst

Date: 2/9/2007

#### SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: Bary Eidson Date of Survey: 11/14/2006 Certificate Number: 12641

## **Permit Comments**

Operator: CHESAPEAKE OPERATING, INC. , 147179 Well: DH 5 STATE #001

API: 30-025-38292

Created By	Comment	Comment Date
BSCOFFMAN	Concerning the Inactive Well List: Chesapeake has complied with four of the wells on the inactive well list which brings us into compliance; however, two wells are producers which won't have a report filed until March and April. A C104 was sent to the Hobbs office to show new well test for the wells; however, was not accepted as the C115 will cause the wells to drop off of the list. Two wells were MIT'd and Sundry Notice and chart were sent to the OCD in Artesia more than a week ago. Chesapeake, respectfully, request that our APD be approved based on the above information.	