

District I
1605 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address Chesapeake Operating Inc. P. O. Box 11050 Midland, TX 79702-8050		² OGRID Number 147179
		³ API Number 30-025-27953
³ Property Code 27304 300067	⁵ Property Name State VI	⁶ Well No. 1
⁹ Proposed Pool 1 Vacuum (Lower Wolfcamp, North)		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. P	Section 1	Township 17S	Range 34E	Lot Idn	Feet from the 990	North/South line South	Feet from the 990	East/Westline East	County Lea
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no. P	Section 1	Township 17S	Range 34E	Lot Idn	Feet from the 990	North/South line South	Feet from the 990	East/Westline East	County Lea
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Additional Well Information

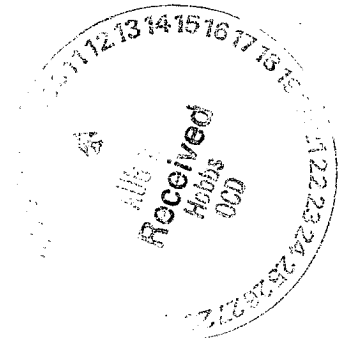
¹¹ Work Type Code Plug Back	¹² Well Type Code Oil	¹³ Cable/Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 4054 DF
¹⁶ Multiple	¹⁷ Proposed Depth 12250	¹⁸ Formation Wolfcamp	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater No Pit will be used		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> milst thick Clay <input type="checkbox"/> Pit Volume: _____ bbls		Drilling Method:		
Closed-Loop System <input type="checkbox"/>		Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	54.5	400	425 sx CI C	0
11	8 5/8	32	4879	1950 sx	
7 7/8	5 1/2	17, 20	12,232	1475 sx	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.
The PBTD is 11,455'. The completion procedure is attached.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Brenda Coffman <i>Brenda Coffman</i>		Approved by: <i>[Signature]</i>	
Title: Regulatory Analyst		Title: PETROLEUM ENGINEER	
E-mail Address: bcoffman@chkenergy.com		Approval Date: AUG 09 2006 Expiration Date:	
Date: 08/04/2006	Phone: (432)687-2992	Conditions of Approval Attached <input type="checkbox"/>	

State VI #1
Lea County, New Mexico
Wolfcamp Recompletion Procedure

Date: April 26, 2006

Location: 990' FSL & 990' FEL Sec. 1-T17S-R34E

Production Casing: 5 1/2" 17&20# N-80 & L-80 LT&C 0-12,232'

PBTD/TD: 11,490' / 12,250'

Current Perfs: Atoka 11,528-33', 11,902-14' (below CIBP)

Proposed Perfs: Wolfcamp 9813-20'

Recommended Procedure:

1. MIRU workover unit. RD WH/RU BOP. POH w/ 2 7/8" tbg. Test tbg.
2. RU Wireline. Run CBL log from PBTD to 9,000'. Evaluate condition of cement. If OK, perforate Wolfcamp 9813-20' w/ casing gun, 4 JSPF (29 holes).
3. RIH w/ packer on 2 7/8" tbg to 9825'. Spot acid across perfs. Pull packer up to 9700', reverse spot acid back into tbg, set packer and pressure back side to 1000 psi.
4. Acidize Wolfcamp w/ 2,000 gal 15% NEFE acid dropping 50 perf balls through out job. SI 30 mins. Swab back acid and test.
5. If necessary, acidize Wolfcamp with 5,000 gal Ultragel gelled acid.
6. POH w/ packer. RIH w/ 2 7/8" tbg, pump and rods. POP from Wolfcamp. Rig down.

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

* API Number 30-025-27953		* Pool Code		* Pool Name	
* Property Code 27304 300067		* Property Name State VI			* Well Number 1
* OGRID No. 147179		* Operator Name Chesapeake Operating Inc.			* Elevation 4054 DF

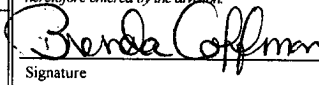
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	1	17S	34E		990	South	990	East	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County				
<table border="1"> <tr> <td>" Dedicated Acres 40</td> <td>" Joint or Infill</td> <td>" Consolidation Code</td> <td>" Order No.</td> </tr> </table>										" Dedicated Acres 40	" Joint or Infill	" Consolidation Code	" Order No.
" Dedicated Acres 40	" Joint or Infill	" Consolidation Code	" 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.

16					17 OPERATOR CERTIFICATION <i>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 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.</i>  07/31/2006 Signature Date Brenda Coffman Printed Name	
					18 SURVEYOR CERTIFICATION <i>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.</i>	
					Date of Survey Signature and Seal of Professional Surveyor:	
					Certificate Number	

990'

990'