District I 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NNI 87410
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

June 16, 2008 Submit to appropriate District Office

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

☐ AMENDED REPORT

Form C-101

Proposed Bottom Hole Location If Different From Surface U. or for no. Levil 2 3 35 35 12 2 12 35 15 10 10 10 10 10 10 10 10 10 10 10 10 10	PLUGBACK, OR ADD A ZONE Operator Name and Address Chesapeake Operating, Inc.							² OGRID Number				
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Additional Well Information "Wesk Type Code "Well Type Code "Part		1			Lot Is	· ·			1		1 -	
Proposed Casing and Cement Program Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimation 17 1/2" 13 3/8" 48# 42.5" 44.5 xxs. 12 1/2" 9 5/8" 40# 5338" 1755 xxs 6 1 1 1/2" 9 5/8" 40# 5338" 1755 xxs 6 1 1 1/5" 26# 10,100" 12.50 xxs 6 1 1/2" 15.10# 11,565' 200 xxs 9 5 1 1,500 the proposed program. If this application is to DEEPEN or PLUG BACK, give the duta on the present productive zone and proposed new proposeribe the blowout prevention program, if any. Use additional sheets if necessary. The sapeake Operating, Inc. respectfully request approval to re-coimplete this well to the Wolfcamp. Hease find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure, NNIOCD's C-102 land plat & C-144(CLE2) pit permit. Permit Expires 2 Years From Approval Place find the recompletion procedure procedure procedure procedure procedure procedure procedure			Informa	tion		-						
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-mail Address; bryan.arrant@chk.com	rinted name:				,							
		Regulatory		Specialist			4			Expiration D	ate:	
Date: 12/09/2009 Phone: (405) 935-3782 Conditions of Approval Attached	l'itle: Senior	-	Compliance				4			Expiration D	ate:	

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

Didiid IV

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

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 15,2009 Submit one copy to appropriate District Office

M AMENDED REPORT

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'API Number				² Pool Code		³ Pool Name					
30-025-39053		Į	48140 Osudo; Wolfcamp				⁶ Well Numb				
⁴ Property Code					5 Property	y Name	leme				
37274 Cattleman			nan 4 State	State						3	
OGRID No.				¹⁸ Operator Name						⁹ Elevation	
			peake Operat	Operating, Inc.					3630' GR		
10 Surface Location											
UL or lot no.	Section	Township	p Range	Lot Idn	Feet from th	he North/South line	Fect from the	East/West I	Ine	County	
3	4,	21Š	35E		660'	North	1720'	West	Lea		
11 Bottom Hole Location If Different From Surface											
UL or lot no.	Section	Townshi	p Renga	Lot Idn	Fect from the	he North/South line	Feet from the	East/West I	ine	County	
3	4	218	35E		481'	North	1700!	West	Lèa		
12 Dedicated Acres	3 Joint o	r Infill	14 Consolidation	Code "O	rder 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			"OPERATOR CERTIFICATION
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1			a cortext with an owner of such a mineral or working induced, or to a
SHL: 660' FNL & 1720' FWL		•	nountary pooling agreement or a computery politing or o'r hardeline act and
BHL: 481' FNL & 1700' FWL			bythe dysian /
			Per Named 12/09/2009
,			CINIT POUL
			Signatura / Ode .
			Bryan Arrant
			Printed Name
			18 SURVEYOR CERTIFICATION
			I hereby certify that the well location shown on this plat was
			plotted from field notes of adual surveys made by major under
			ny supervision, and that the same is tree and extract to the
			best of my'belief
			Date of Survey
			Sandure and Sed of Professiona Surveyor.
			Please refer to Original Plat
			1,0000 10,01 to 0.19
			Cortificate Number
	1		The state of the s

Cattleman 4 State 3 Lea County, New Mexico Wolfcamp Recompletion Procedure

Date: December 8, 2009

Location: 660' FNL & 1720' FWL Sec. 4-T21S-R35E

Casing: 4 1/2" 15.1# P-110 0-11,556' ID - 3.826", Drift - 3.701", Burst - 14,420 psi

PBTD/TD: 11,462'/11,556'

Current Perfs: Strawn 10,557-66', 10,572-88'

Morrow 11,260-70', 11,280-90' (below CIBP)

Proposed Perfs: Wolfcamp 10,143-260'

Recommended Procedure:

1. MIRU PU. ND WH/NU BOP.

2. PH w/ rods, pump and tubing.

- 3. RU wireline co. RIH w/ gauge ring and junk basket to 10,550'. Set CIBP @ 10,525'. Dump bail 35' of cement on top of CIBP. Pressure test casing to 2,000 psi.
- 4. Perforate Wolfcamp 2 spf:

10,143-45' (2')

10,152-58' (6')

10,163-73' (10')

10,187-90' (3')

10,204-13' (9')

10,227-31' (4')

10,255-60' (5') (39' total, 78 holes)

- 5. RIH w/ packer and on/off tool on 2.3/8" tubing to 10,275'. Spot acid across perfs, and pull packer up to 10,050' and set.
- 6. Acidize Wolfcamp w/ 4,000 gal 15% NEFE acid dropping 115 perf balls evenly throughout job. Displace acid to perfs. SI I hour. Swab well back and test.
- 7. If necessary, re-acidize Wolfcamp with 10,000 gal Ultragel job. Swab back Ultragel and test.
- 8. If well dies, POH w/ packer. RIH w/ 2 3/8" tubing w/ standard BHA. ND BOP/NU WH. RIH w/ pump and rods.
- 9. Rig down.