

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, 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
Revised June 10, 2003

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

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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 18496 Oklahoma City, OK 73154-0496		² OGRID Number 147179
³ Property Code 24402	⁵ Property Name Boyce 15	⁴ API Number 30-025-34591
		⁶ Well No. 1

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	16S	35E		800	North	660	East	Lea

⁸ Proposed 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
⁹ Proposed Pool 1 Unders. Townsend; Permian Upper Penn North Shocbar Wolfcamp 59847						¹⁰ Proposed Pool 2			

¹¹ Work Type Code EP	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation GR: 3987'
¹⁶ Multiple N	¹⁷ Proposed Depth 12,470	¹⁸ Formation Wolfcamp	¹⁹ Contractor Mesa #16	²⁰ Spud Date 03/04/04 Plugback re-entry

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	48#	470'	495	Surf
12-1/4	9-5/8	40#	4,200	1565	Surf
7-7/8	5-1/2	17#	12,470	1405	3,700'

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.

- 1) Set CIBP @11,190' (above Strawn), bail 2 sx cmt on top of plug
- 2) Load Annulus w/2% KCL & pressure test to 2000#
- 3) Perf Wolfcamp 10,190-200 w/4 SPF, 60° phasing, 23 gram chg (10' 41 shots) correct date to OH Neutron-Density log dated 03/25/00.
- 4) RIH w/tbg & pkr, set pkr 10,140', swab test zone
- 5) Pressure annulus to 2000#, bullhead 1500 gal 15% NeFe acid, treat 4-5 min, max press 6000#, displace to perfs

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Andrew J. McCalmont</i> Printed name: Andrew J. McCalmont Title: Asset Manager E-mail Address: Date: 03/29/04 Phone: (405) 848-8000		OIL CONSERVATION DIVISION Approved by: <i>Paul E. Smith</i> Title: PETROLEUM ENGINEER Approval Date: MAR 31 2004 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
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Boyce 15-1, Lea Co., NM
API 30-025-34591

- 6) Swab test zone
- 7) Retreat as warranted. pressure annulus to 2000#. Freak down zone w/one tubing volume of slick 2% KCL wtr to establish rate. Acidize the Wolfcamp as follows:
 - a) 1500 gal 20% NEFe acid
 - b) 3000 gal 20% Ultragel
 - c) 1000 gal 20% gelled NEFe
 - d) 4000 gal 20% Ultragel
 - e) 500 gal 20% gelled NeFe. Overdisplace by 35bbl 2% KCL

Treat via 2-7/8" prod. tbg @5-6 BPM, launch 40 ball sealers in last 2500 gallons of job. Max PR 6000#.
- 8) Allow 3 hrs for acid to spend, swab/flow test well
- 9) Tube & rod well up/set pumping unit as required, Transfer equipment from the Boyce 2-15. Put well on production.

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Braxos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34591	Pool Code 59847	Pool Name NORTH SHOEBAR WOLF CAMP
Property Code 24402	Property Name BOYCE 15	Well Number 1
OGRIID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3987

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	16 S	35 E		800	NORTH	660	EAST	LEA

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
Dedicated Acres	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

	<p style="text-align: center;">NMSPC E2 NAD 27 Y=702118.9 X=774571.9</p>	<p>OPERATOR CERTIFICATION</p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><u>Lynda F. Townsend</u> Signature</p> <p><u>Lynda F. Townsend</u> Printed Name</p> <p><u>Sr. Landman</u> Title</p> <p><u>3-25-04</u> Date</p>
		<p>SURVEYOR CERTIFICATION</p> <p><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></p> <p style="text-align: center;">DECEMBER 1, 1999</p> <p>Date Surveyed _____ LMP</p> <p>Signature & Seal of Professional Surveyor</p> <p style="text-align: center;"> </p> <p style="text-align: center;">99-11-1048</p> <p>Certificate No. RONALD J. EDSON 3239 CARY EIDSON 12641 MACON McDONALD 12185</p>