

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

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 Property Code 35531	³ Property Name IMC 21	³ API Number 30-015-34750
⁹ Proposed Pool 1 Laguna Salado; Bone Spring		¹⁰ Proposed Pool 2 OCU-ARTESIA

7 Surface Location									
UL or lot no. A	Section 21	Township 23S	Range 29E	Lot Idn A	Feet from the 330	North/South line North	Feet from the 660	East/Westline East	County Eddy

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/Westline	County

Additional Well Information

¹¹ Work Type Code New Well	¹² Well Type Code Oil	¹³ Cable/Rotary	¹⁴ Lease Type Code Private	¹⁵ Ground Level Elevation 2957
¹⁶ Multiple N	¹⁷ Proposed Depth 8100	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 04/15/2006
Depth to Groundwater 150		Distance from nearest fresh water well 1000		Distance from nearest surface water 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mil thick Clay <input type="checkbox"/> Pit Volume: 12129 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 checked="" type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5	13.375	48	340	460	0
11	8.625	32	2940	680	0
7.875	5.5	17	8100	530	2500

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.
 In 17 1/2" hole run 13 3/8", 48# H-40 STC Surf. csg. set @ 340'. Cmt'd w/120 sx Cl. C Tail in w/340 sx Cl. C. In 11" hole run 8 5/8" 32# J55 STC Inter. csg. Cmt'd w/480 sx Cl. C Tail w/200 sx Cl. C. In 7 7/8" hole run 5 1/2" 17# J-55 LTC csg. cmt'd w/290 sx Cl. H+ tail w/240 sx Cl. H

Permit approved 3/30/06. This filing is to amend the total depth from 7000' to 8100'. The change does not effect the amount of cement.

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 Approved by: <i>District II Supervisor</i>	
Printed name: Shay Stricklin		Title:	
Title: Production/Regulatory Asst.		Approval Date: APR 24 2006 Expiration Date: APR 24 2007	
E-mail Address: sstricklin@chkenegy.com			
Date: 04/19/2006	Phone: (432)687-2992	Conditions of Approval Attached <input type="checkbox"/>	

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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

¹ API Number 30-015-34750		¹ Pool Code 96721	¹ Pool Name Laguna Salado; Bone Spring
¹ Property Code IMC 21	¹ Property Name		¹ Well Number 001
¹ OGRID No. 147179	¹ Operator Name Chesapeake Operating, Inc.		¹ Elevation 2957 GR

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
A	21	23S	29E		330	North	660	East	Eddy

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
¹² Dedicated Acres 40.00		¹² Joint or Infill		¹² Consolidation Code		¹² 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				<p>¹⁷ 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 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.</p> <p><i>[Signature]</i> 04/19/2006 Signature Date</p> <p>Shay Stricklin Printed Name</p>
				<p>¹⁸ 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.</p>
				<p>Date of Survey Signature and Seal of Professional Surveyor:</p>
				<p>Certificate Number</p>