

**State of New Mexico**  
**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**

1. Operator Name and Address CHESAPEAKE OPERATING, INC. P. O. BOX 18496 OKLAHOMA CITY, OK 731540496		2. OGRID Number 147179
		3. API Number 30-025-38530
4. Property Code 36092	5. Property Name KELLER 11 STATE	6. Well No. 001

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	11	23S	34E	E	1980	N	330	W	LEA

**8. Pool Information**

ANTELOPE RIDGE;BONE SPRING, NORTH	2205
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3368
14. Multiple N	15. Proposed Depth 8800	16. Formation Bone Spring	17. Contractor	18. Spud Date 10/27/2006
Depth to Ground water 100		Distance from nearest fresh water well 100		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ mils thick Clay <input type="checkbox"/> Pit Volume: 12129 _____ bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	575	500	0
Int1	11	8.625	32	5200	1130	0
Prod	7.875	5.5	17	8800	630	4000

**Casing/Cement Program: Additional Comments**

13 3/8" csg. Lead 400 sx of Cl C + 4% Bentonite + 2% CaCl2 1.76 yld. Tail 100 sx of Cl. C + 2% CaCl2 1.34 yield; 8 5/8" Lead 1000 sx 50:50 Poz C + 10% gel + 5% NaCl + 0.25 pps Cello Flake 2.45 yield, Tail, 130 sx Cl. C + 1% CaCl2 1.34 yield. 5 1/2" csg. Stg. 1 380 sx 15:61:11 Poz:C:CSE 1.57 yield, Stage 2 Lead 115 sx 50:50 Poz:H2.30 yield, Tail 135 sx 15:61:11 Poz:Class C:CSE 1.57 yield

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
DoubleRam	5000	5000	

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"/> .	<b>OIL CONSERVATION DIVISION</b>	
	Approved By: Gary Wink	
Printed Name: Electronically filed by Brenda Coffman	Title: OCD Reviewer	
Title: Regulatory Analyst	Approved Date: 10/26/2006	Expiration Date: 10/26/2007
Email Address: bcoffman@chkenergy.com		
Date: 10/24/2006	Phone: 432-685-4310	Conditions of Approval Attached

District IIDistrict IIIDistrict IV

## Energy, Minerals and Natural Resources

## Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-38530	2. Pool Code 2205	3. Pool Name ANTELOPE RIDGE;BONE SPRING, NORTH
4. Property Code 36092	5. Property Name KELLER 11 STATE	6. Well No. 001
7. OGRID No. 147179	8. Operator Name CHESAPEAKE OPERATING, INC.	9. Elevation 3368

## 10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	11	23S	34E		1980	N	330	W	LEA

## 11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. 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**

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## 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: 10/24/2006

## 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: Gary Eidson

Date of Survey: 8/21/2006

Certificate Number: 12641

# Permit Conditions of Approval

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: KELLER 11 STATE #001

API: 30-025-38530

<b>OCD Reviewer</b>	<b>Condition</b>
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines