

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 30-025-39053
4. Property Code 37274	5. Property Name CATTLEMAN 4 STATE	6. Well No. 003

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	4	21S	35E	6	660	N	1980	W	LEA

8. Pool Information

OSUDO;MORROW, SOUTH (GAS)	82200
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Additional Well Information

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3616
14. Multiple N	15. Proposed Depth 11550	16. Formation Morrow	17. Contractor	18. Spud Date 8/1/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic ☐ mls thick Clay ☐ Pit Volume: bbls Drilling Method: Closed Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

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	400	500	0
Int1	12.25	9.625	40	5400	1295	0
Prod	8.75	7	40	10180	645	0
Liner1	6.125	4.5	15.1	11550	500	9500

Casing/Cement Program: Additional Comments

13 3/8" 48# surf csg set@ 400' w/500 sxs lead-1.74 yield & tail 1.34 yield. TOC-surface. 9 5/8 csg 40# J-55 set @ 5400' w/1295 sxs. Lead 2.45 yield, tail 1.34 yield. TOC-Surface. 7" Int2 csg set @ 10,180' w/645 sxs. Lead 2.45 yield, tail,1.60 yield. 4 1/2" 15.1# Prod liner set @ 11,550' w/300 sxs. 1.6 yield.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	500	5000	
DoubleRam	5000	5000	
Blind	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 ☐ , a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ . Printed Name: Electronically filed by Brenda Coffman Title: Sr. RegulatoryComp. Spec. Email Address: bcoffman@chkenergy.com Date: 7/22/2008 Phone: 817-556-5825	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 7/25/2008 Expiration Date: 7/25/2010	

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

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name Osudo; Morrow (Gas)
Property Code	Property Name CATTLEMAN 4 STATE	Well Number 3
OGRIID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3631'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	4	21-S	35-E		660	NORTH	1980	WEST	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

LOT 4	LOT 3	LOT 2	LOT 1
← 1980' →			
37.65 AC LOT 5	37.69 AC LOT 6	37.71 AC LOT 7	37.75 AC LOT 8
40 AC LOT 12	40 AC LOT 11	40 AC LOT 10	40 AC LOT 9
40 AC LOT 13	40 AC LOT 14	40 AC LOT 15	40 AC LOT 16
40 AC	40 AC	40 AC	40 AC

GEODETIC COORDINATES
NAD 27 NME

Y=554371.1 N
X=795621.6 E

LAT.=32.520419° N
LONG.=103.374261° W

SCALE - "1=2000"

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Brenda Coffman
Signature Date
Brenda Coffman
Printed Name

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.

Date Surveyed *JUNE 3, 2008*
Signature & Seal of Professional Surveyor
Ronald J. Eidson
Certificate No. GARY EIDSON 12841
RONALD J. EIDSON 3239