

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

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

C-101
Permit 8104

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		GORID Number 147179
		API Number 30-025-37129
Property Code 34679	Property Name KF 4 STATE	Well No. 001

Surface Location

UL or Lot	Section	Township	Range	Lot Lb	Feet From	N/S Line	Feet From	E/W Line	County
X	4	21S	35E		660	S	990	E	Lea

Proposed Pools

OSUDO, MORROW, SOUTH (GAS) 82200

Well Type	Well Type	Cable/Rotary	Lease Type	Ground Level Elevation
New Well	GAS		State	3621
Multiple	Proposed Depth	Formation	Constructor	Spud Date
N	12100	Morrow		03/18/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/lb	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	450	300	0
Int1	12.25	9.625	40	5350	1300	0
Prod	8.75	5.5	17	12100	1350	4000

Casing/Cement Program: Additional Comments

13 3/8 csg. Lead 295 sx 35.65 Poz C + additives, Tail 205 sx CI C + additives, circ. to surface, 9 5/8 cmt. 1,150 sx 50.50 Poz CI C + additives, Tail 150 sx CI C + additives circ. to surface, 5 1/2 Prod Csg. 1st Stage Lead 275 sx 50.50 Poz CI H + additives, 1st Stage Tail 470 sx 50.50 Poz CI H + additives; 2nd stage 555 sx 50.50 Poz CI H + additives, 2nd stage Tail 50 sx 50.50 Poz CI H + additives.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Electronically Signed By: Brenda Coffman

Title: Regulatory Analyst

Date: 03/10/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 03/11/2005 Expiration Date: 03/11/2006

Conditions of Approval:

There are conditions. See Attached

BEFORE THE
OIL CONSERVATION DIVISION
Case # 13492&13493 Exhibit No. ____
Submitted By:
Chesapeake Inc.
Hearing Date: August 22, 2005

CHK 000158

Permit Conditions Of Approval
C-101, Permit 8104

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: KF 4 STATE #001

OCD Reviewer	Condition
PRAUTZ	Re-seeding mixture will must be approved or authorized by surface owner
PRAUTZ	Notice is to be given to the OCD prior to construction of the pit(s)
PRAUTZ	Pit construction and closure must satisfy all requirements of O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines

CHK 000159

DISTRICT I
1000 N. Fourth St., Dallas, TX 75202

DISTRICT II
911 South First, Arlington, TX 76010

DISTRICT III
1000 Rio Grande Rd., Austin, TX 78741

DISTRICT IV
9000 South Foothill, Dallas, TX 75243

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999
Submit to appropriate District Office
State Lease - 4 Copies
Fee Lease - 2 Copies

OIL CONSERVATION DIVISION
2040 South Foothill
Santa Fe, New Mexico 87504-2080

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37129	Well Code 82200	Well Name Osido, S. Manew (GAS)
Property Code 37679	Property Name KF "A" STATE	Well Number 1
Order No. 147179	Operator Name CHESAPEAKE OPERATING INC.	Elevation 3621'

Surface Location								
UT or Lot No.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line
X	4	21 S	35 E		660	SOUTH	990	EAST
								LEA

Bottom Hole Location If Different From Surface								
UT or Lot No.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line

Indicated Acres 320	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 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.

1/4 COR. 1/4 COR.

Lat.: N52.5025°
Long.: W103.3667°
(NAD 27)

500'

500'

OPERATOR CERTIFICATION
I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.
Brenda Coffman
Signature
Brenda Coffman
Print Name
Reg. Analyst
Title
3-10-05
Date

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.
MARCH 10, 2005
Date Surveyed
Signature of Surveyor
Professional Seal
Certificate No. 7877
BARN SURVEYS

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM
87305

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

C-102
Permit 8104

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37129	Pool Name OSUDO;MORROW, SOUTH (GAS)	Pool Code 82200
Property Code 34679	Property Name KF 4 STATE	Well No. 001
OGRD No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3621

Surface And Bottom Hole Location

UL or Lot X	Section 4	Township 21S	Range 35E	Lot Idn	Feet From 660	N/S Line S	Feet From 990	E/W Line E	County Lea
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			

OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Electronically Signed By: Brenda Coffman Title: Regulatory Analyst Date: 03/10/2005	SURVEYOR CERTIFICATION <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> Electronically Signed By: Gary L Jones Date of Survey: 03/10/2005 Certificate Number: 7977
--	---

CHK 000161