

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1 W. Grand Ave., Artesia, NM 88210

District III
1000 Rio Bravo 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

Form C-101
Permit 8547

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		OGRID Number 147179
		ADI Number 30-025-37150
Property Code 34698	Property Name CATTLEMAN 4 STATE COM	Well No. 001

Surface Location

UL of Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	4	21S	35E	16	3300	S	990	E	Lea

Proposed Pools

OSUDO:MORROW, SOUTH (GAS) 82200

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3612
Multiple N	Proposed Depth 11900	Formation Morrow	Contractor	Spud Date 04/01/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	450	500	0
Intl	12.25	9.625	40	5400	1295	0
Prod	8.75	5.5	17	11900	1265	4000

Casing/Cement Program: Additional Comments

13 3/8 csg. cmt'd w/Lead 295 ex 35-65 Poz C1 C + additives; Tail 205 ex C1 C + 2% CaCl₂; 9 5/8 csg. cmt'd w/Lead 1160 ex 50-50 Poz C1 C + additives; Tail 135 ex C1 C + 5% CaCl₂; 5 1/2 Csg. 1st Stage Lead: 250 ex 50-50 Poz C1 H + additives; Tail 470 ex 50-50 Poz C1 H + additives; 2nd Stage Lead: 495 ex 50-50 Poz C1 H + additives; 2nd Stage Tail 50 ex 50-50 Poz C1 H + additives. TOC @ 4000

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: 03/18/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 03/21/2005

Expiration Date: 03/21/2006

Conditions of Approval:
There are conditions. See Attached.

Samson Resources Co. EX
NMOCD Case No. 13492

District I

1625 N. French Dr., Hobbs, NM 88240

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87505

State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

Form C-102

Permit 8547

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37150	Pool Name OSUDO MORROW, SOUTH (GAS)	Pool Code 82200
Property Code 34698	Property Name CATTLEMAN 4 STATE COM	Well No. 001
OGRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3612

Surface And Bottom Hole Location

UL or Lot H	Section 4	Township 21S	Range 3SE	Lot Ln 16	Feet From 3300	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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Brenda Coffman

Title: Regulatory Analyst

Date: 03/18/2005

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.

Electronically Signed By: Gary G Eidsen

Date of Survey: 03/17/2005

Certificate Number: 12641

Permit Conditions Of Approval

C-101, Permit 8547

Operator: CHESAPEAKE OPERATING, INC. , 147179

Well: CATTLEMAN 4 STATE COM #001

OCD Reviewer	Condition
PKAUTZ	Re-seeding mixture will must be approved or authorized by surface owner
PKAUTZ	Notice is to be given to the OCD prior to construction of the pit(s)
PKAUTZ	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

05/09/2005 09:05 FAX 432 887 4112

CHK MIDLAND

003/003

DISTRICT I

LEON R. FERNANDEZ, DISTRICT MANAGER

DISTRICT II

LEON R. FERNANDEZ, DISTRICT MANAGER

DISTRICT III

LEON R. FERNANDEZ, DISTRICT MANAGER

DISTRICT IV

LEON R. FERNANDEZ, DISTRICT MANAGER

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 JUNE 10, 2003

Submit to Appropriate District Office

State License - 4 Copies

Fee License - 2 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT**AMENDED REPORT**

API Number 30-025-37150	Pool Code 82200	Pool Name Osudo;Morrow,South (Gas)
Property Code 34698	Property Name CATTLEMAN 4 STATE COM	Well Number 1
ORDER No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3612'

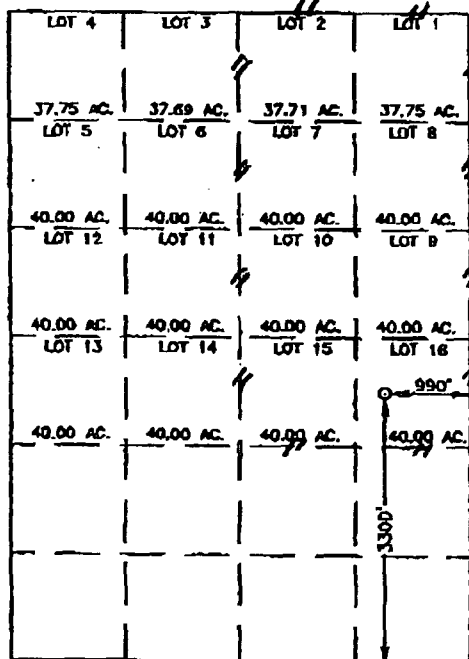
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
16	4	21-S	35-E		3300	SOUTH	990	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 320	Joint or Infill	Commodation 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


GEODETIC COORDINATES
 NAD 27 NME

 Y=550498.2 N
 X=797971.2 E

 LAT.=32°30'34.98" N
 LONG.=103°22'00.31" W

SCALE - 1"=2000'

OPERATOR CERTIFICATION

I hereby certify the the information
contained herein is true and complete to the
best of my knowledge and belief.

Signature

Brenda Coffman

Printed Name

Regulatory Analyst

May 03, 2005

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 17, 2005

Date Surveyed

Signature

Professional Surveyor

NEW MEXICO

05.11.0458

Certified

No. CARY, N.M.

12041

District I
1625 N. French Dr., Hobbs, NM 88240

District II
W. Orem Ave., Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

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87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-101
Permit 8549

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address CHESAPEAKE OPERATING, INC. PO Box 11050 Midland, TX 79702-8050		UORID Number 147179
		API Number 30-025-37149
Property Code 34698	Property Name CATTLEMAN 4 STATE COM	Well No. 002

Surface Location

UL or Lot	Section	Township	Range	Lot 1/4	Feet From	N/S Line	Feet From	E/W Line	County
D	4	21S	35E	4	990	N	990	W	Lea

Proposed Pools

OSUDO; MORROW, SOUTH (GAS) 82200

Work Type	Well Type	Cable/Rotary	Lease Type	Ground Level Elevation
New Well	GAS		State	3632
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	11900	Morrow		04/15/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	450	500	0
Intl	12.25	9.625	40	5400	1295	0
Prod	8.75	5.5	17	11900	1265	4000

Casing/Cement Program: Additional Comments

13 3/8 csg. Cmt'd w/Lead 295 sx 35:65 Poz Cl C + additives, Tail 205 sx Cl C + 2% CaCl₂; 9 5/8 csg. Cmt'd w/1160 sx 50; 50 Poz Cl C Tail 135 sx Cl C; 5 1/2 csg. cmt'd w/1st stg lead 250 sx 50; 50 Poz Cl H, Tail 470 sx 50; 50 Poz Cl H; 2nd Stage Lead 495 sx 50; 50 Poz Cl H, 2nd Stage Tail 50 sx 50; 50 Poz Cl 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: 03/18/2005

Phone: 432-685-4310

OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 03/21/2005 Expiration Date: 03/21/2006

Conditions of Approval:
No Conditions

District I
1625 N. French Dr., Hobbs, NM 88240

District II
W. Grand Ave., Artesia, NM 88210

District III
1000 Rio Grande 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

Form C-102
Permit 8549

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37149	Pool Name OSUDO;MORROW, SOUTH (GAS)	Pool Code 82200
Property Code 34698	Property Name CATTLEMAN 4 STATE COM	Well No. 002
OGRD No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3632

Surface And Bottom Hole Location

UL or Lot D	Section 4	Township 21S	Range 35E	Lot Ida 4	Feet From 990	N/S Line N	Feet From 990	E/W Line W	County Lea
Dedicated Acre 310.8	Joint or Infill	Consolidation Code	Order No.						

OPERATOR CERTIFICATION

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

Electronically Signed By: Brenda Coffman
Title: Regulatory Analyst
Date: 03/18/2005

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.

Electronically Signed By: Gary Eidson
Date of Survey: 03/17/2005
Certificate Number: 12641

05/09/2005 09:05 FAX 432 887 4112

CHK MIDLAND

002/003

DISTRICT I

400 N. FRANKLIN ST., SUITE 100, ALBUQUERQUE, NM 87102

DISTRICT II

1001 N. CHASE AVENUE, ALBUQUERQUE, NM 87102

DISTRICT III

1000 W. BRYAN BL., ALBUQUERQUE, NM 87102

DISTRICT IV

1000 N. ST. FRANCIS BL., 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 JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

X AMENDED REPORT

APN Number 30-025-37149	Pool Code 82200	Pool Name Osuda;Morrow,South (Gas)
Property Code 34698	Property Name CATTLEMAN 4 STATE COM	Well Number 2
OCRD No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3632'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	4	21-S	35-E		990	NORTH	990	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 320	Joint or Unit	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

				OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. <i>Brenda Coffman</i> Signature: Brenda Coffman Printed Name: Regulatory Analyst Title: May 3, 2005 Date:	
GEODEIC COORDINATES NAD 27 NME Y=554033.4 N X=794635.2 E LAT.=32°31'10.25" N LONG.=103°22'38.90" W				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 17, 2005 Date: 03/17/05 Signature: R. EIDSON Printed Name: R. EIDSON Title: PROFESSIONAL SURVEYOR 05.11.045 12841	
SCALE - 1"=2000'				K2	