District 1 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

State of New Mexico Energy Minerals and Natural Resources

Form C-101 Revised June 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit to appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 AMENDED REPORT APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE Operator Name and Address ² OGRID Number 147179 Chesapeake Operating, Inc. ³ API Number P.O. Box 18496 30 -Oklahoma City, OK 73154-0496 Property Code Property Name Well No WDM 12 001 ⁷ Surface Location North/South line UL or lot no. Section Township Lot Idn Feet from the Feet from the East/West line Range County 12 15S 35E 660 D North 990 West Lea 8 Proposed Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County 9 Proposed Pool 1 10 Proposed Pool 2 Canyon Wildcat Oil Upper Penn 12 Well Type Code 13 Cable/Rotary 14 Lease Type Code 15 Ground Level Elevation 11 Work Type Code 3967**'** N 18 Formation 19 Contractor 20 Spud Date 16 Multiple 17 Proposed Depth 12.150 N Strawn Patterson 02/16/04 ²¹ Proposed Casing and Cement Program Casing weight/foot Hole Size Setting Depth Sacks of Cement Estimated TOC Casing Size 17 - 1/213-3/8 48# 0-4001 ± 450 Surface 11" 8-5/8" 32# 0-46001 ± 1400 Surface 7-7/8" 5-1/2" 17# 0-12,150' 42001 ±1100 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 applications. ctive zone Describe the blowout prevention program, if any. Use additional sheets if necessary. COI proposes to drill to a T.D. of 12, 150' in the Strawn formation Atth Patterson 504 as the drilling contractor. BOP will consist of 13-5/8" 5M# blind & pipe rams & 13-5/8" 5M# Annuar Hobbs (See Schematic) ²³ I hereby certify that the information given above is true and complete to the OIL CONSERVATION DIVISION best of my knowledge and belief. Approved by Signature: arbara Title: DETRAI FUM ENGINEER Printed name: Barbara J. Bale **Expiration Date:** Title: Approval Date: Regulatory Analyst bbale@chkenergy.com E-mail Address: Condian of Aplico 2004 Phone: Date:

Attached |

Permit Expires 1 Year From Approvat

Date Unless Drilling Underway

(405) 848-8000

01/16/04

State of New Mexico

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88241-1980

Snergy, Minerals and Natural Resources Department

Form C-102 Submit to Appropriate District Office

WEST

LEA

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

D

OIL CONSERVATION DIVISION

P.O. Box 2088

NORTH

990

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

12

15-S

35-E

Santa Fe, New Mexico 87504-2088

Revised February 10, 1994 State Lease - 4 Copies Fee Lease - 3 Copies

| DISTRICT IV P.O. BOX 2008, SANTA PE, N.M. 87504-2088 | WELL LOCATION AND | ACREAGE DEDICATION PLAT | □ AMENDED REPORT | |
|---|----------------------------------|--|-------------------------|--|
| API Number | Pool Code | Pool Name | | |
| 30-025-36539 | 97319 | Canyon Wildcat Oil Upper | -Penn | |
| Property Code | · Pro | perty Name | Well Number | |
| 33317 | WDM 12 | | | |
| OGRID No. | . Operator Name Elevation | | | |
| 147179 | CHESAPEAKE OPERATING, INC. 3967' | | | |
| | Surf | ace Location | | |
| UL or lot No. Section Township | Range Lot Idn Feet f | rom the North/South line Feet from the | East/West line County | |

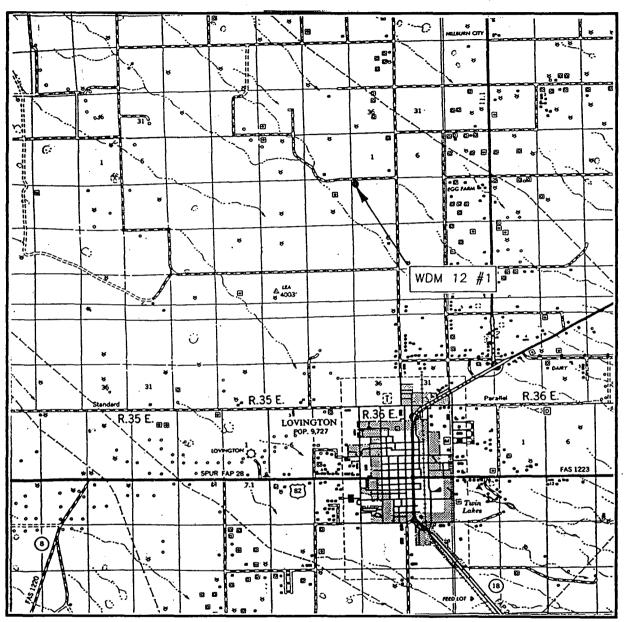
660 Bottom Hole Location If Different From Surface

| UL or lot No. Se | ection Townsh | hip Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|------------------|-----------------|-----------------|---------|---------------|------------------|---------------|----------------|--------|
| Dedicated Acres | Joint or Infill | Consolidation (| Code Or | der No. | | | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

| | OR A NON-STANDARD UNIT | HAS BEEN APPROVED BY T | HE DIVISION |
|------|--|--|---|
| 990' | | | OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. |
| | GEODETIC COORDINATES | 02021 | Signature Barbara J. Bale Printed Name |
| | NAD 27 NME Y = 742467.3 N X = 796546.5 E LAT. 33.03735 N LONG. 103.36568 W | Hopt OCT Hopt OCT Hopt OCT Hopt OCT HOPE OCT HOP | Signature Barbara J. Bale Printed Name Regulatory Analyst Ol715/04 Date SURVEYOR CERTIFICATION I hereby dertify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supportion and that the same is true and |
| | | _ <u> </u> | December 17, 2003 Date Surveyed AWB Signature & Seal of S Professional Surveyor Down 12/19/03 03.1.1.1373 |
| | | | Certificate No. GARY EIDSON 12641 |

VICINITY MAP

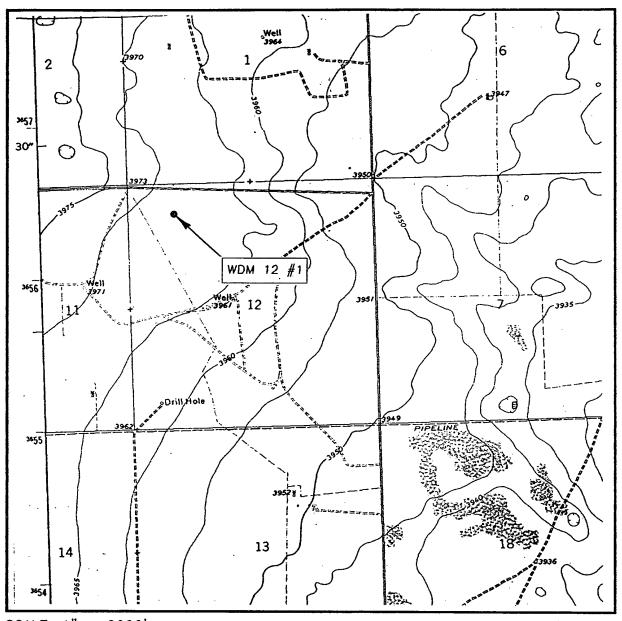


SCALE: 1" = 2 MILES

| SEC. 12_ | TWP. <u>15-S</u> RGE. <u>35-E</u> | | | |
|-------------------------------------|-----------------------------------|---|--|--|
| SURVEY | N.M.P.M. | | | |
| COUNTY | LEA | | | |
| DESCRIPTION_ | 660' FNL & 990' FWL | | | |
| ELEVATION | 3967' | _ | | |
| OPERATOR CHESAPEAKE OPERATING, INC. | | | | |
| | | - | | |
| LEASE | <u>WDM 12</u> | | | |

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 5' HILLBURN CITY, N.M.

| SEC. <u>12</u> TWP. | <u>. 15–S</u> RGE. <u>_ 35–E</u> | | | |
|---|----------------------------------|--|--|--|
| SURVEYN. | м.Р.м. | | | |
| COUNTY | LEA | | | |
| DESCRIPTION 660' | FNL & 990' FWL | | | |
| ELEVATION | 3967' | | | |
| OPERATOR CHESAPE | EAKE OPERATING, INC. | | | |
| LEASE | NDM 12 | | | |
| U.S.G.S. TOPOGRAPHIC MAP MILLBURN CITY, N.M. | | | | |

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

BLOWOUT PREVENTOR SCHEMATIC CHESAPEAKE OPERATING INC

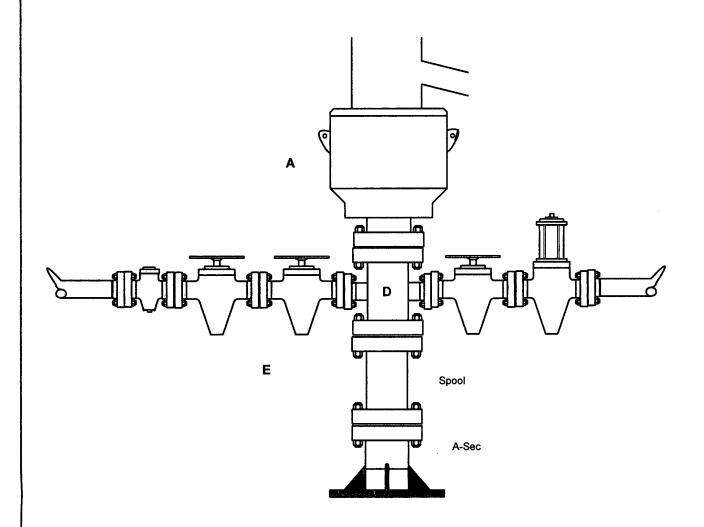
WELL : WDM 12-1

RIG : Patterson 504

COUNTY: Lea STATE: New Mexico

OPERATION Drill out below 13-5/8" Casing

| | SIZE | PRESSURE | DESCRIPTION | |
|---|---------|--------------------------|-------------|--|
| Α | 13-5/8" | 5,000# | Annular | |
| | | | | |
| | | | | |
| D | 13-5/8" | 5,000# | Mud Cross | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Spool | 13-5/8" 3M x 13-5/8" 5M | | |
| | A-Sec | 13-5/8" SOW x 13-5/8" 3M | | |



Kill Line

Choke Line

| SIZE | PRESSURE | DESCRIPTION |
|------|----------|-------------|
| 2" | 10,000# | Check Valve |
| 2" | 10,000# | Gate Valve |
| 2" | 10,000# | Gate Valve |
| | | |
| | | |

| SIZE | PRESSURE | DESCRIPTION |
|------|----------|-------------|
| 4" | 10,000# | Gate Valve |
| 4" | 10,000# | HCR Valve |
| | | |
| | | |
| | | |

BLOWOUT PREVENTOR SCHEMATIC CHESAPEAKE OPERATING INC

WELL

: WDM 12-1

RIG

: Patterson 504

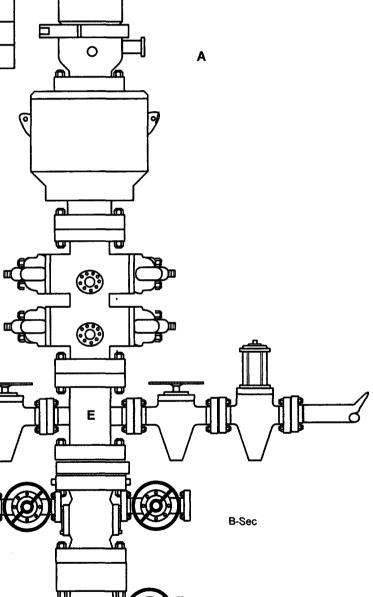
COUNTY

: Lea

STATE: New Mexico

OPERATION: Drill out below 8-5/8" Casing

| | SIZE | PRESSURE | E DESCRIPTION |
|---|---------|----------|------------------|
| Α | 13-5/8" | 500# | Rot Head |
| В | 13-5/8" | 5,000# | Annular |
| С | 13-5/8" | 5,000# | Pipe Rams |
| D | 13-5/8" | 5,000# | Blind Rams |
| Ε | 13-5/8" | 5,000# | Mud Cross |
| | | | |
| | | | |
| | DSA | 11" | 5M x 13-5/8" 5M |
| | B-sec | 13-5 | i/8" 3M x 11" 5M |
| , | A-Sec | 13-5/8" | SOW x 13-5/8" 3M |
| | | | |
| | | | |
| | | | В |
| | | | |
| | | | |
| | | | |
| | | | c m |



Kill Line

Choke Line

| SIZE | E PRESSURE DESCRIPTIO | |
|------|-----------------------|-------------|
| 2" | 10,000# | Check Valve |
| 2" | 10,000# | Gate Valve |
| 2" | 10,000# | Gate Valve |
| | | |
| | | |

| SIZE | PRESSURE | DESCRIPTION |
|------|----------|-------------|
| 4" | 10,000# | Gate Valve |
| 4" | 10,000# | HCR Valve |
| | | |
| | | |
| | | |