

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|---|---------------------------|----------------------------|
| Operator Name and Address: Chesapeake Operating, Inc. P. O. Box 18496 Oklahoma City, OK 73154-0496 | | OGRID Number 147179 |
| Permit Expires 1 Year From Approval Date Unless Drilling Underway | | API Number 30-005-21168 |
| Property Code 27756 | Property Name RAVEN 33 | Well No. 1 |

7 Surface Location

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0 | 33 | 15S | 31E | | 660 | South | 2023 | East | Chaves |

8 Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | |
|-------------------------------------|-----------------------------------|
| Proposed Pool 1 Wildcat Devonian | Proposed Pool 2 Wildcat Morrow |
|-------------------------------------|-----------------------------------|

| | | | | |
|---------------------|---------------------------|-----------------------|-----------------------------|--------------------------------------|
| Work Type Code N | Well Type Code O/G | Cable/Rotary R | Lease Type Code S | Grossed Level Elevation GR: 4402' |
| Multiple No | Proposed Depth 13,700' | Formation Devonian | Contractor Patterson #48 | Spud Date 06/01/01 |

21 Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|---|-------------|--------------------|---------------|-----------------|---------------|
| 17-1/2 | 13-3/8 | 48# | 410' | 500 | Surface |
| 12-1/4 | 9-5/8" | 36# | 4,000' | 1400 | Surface |
| 7-5/8" | 5-1/2" | 17# | 13,700' | 500 1st stg | 3900' |
| | | | | 600 2nd stg | |
| DV tool will be set 100' above Abo Formation (~7500') | | | | | |

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Chesapeake Operating proposes to drill to 13,700' TD in the Devonian formation with Patterson #48 as the drilling contractor.

Patterson's BOP stack consists of 11" 5M# blind & pipe rams & 11" 5M# Annular

attached are C-102s for the Devonian and the Morrow. Should both pools be productive and should Chesapeake decide to produce them concurrently, it will request further approvals for dual completion or downhole commingling.

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

Signature: *Barbara J. Bale*

Printed name:
Barbara J. Bale

Title:
Regulatory Analyst

Date:
03/13/01

Phone:
(405) 848-8000

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- | | | | |
|----------|--|----|--|
| 1 | Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office. | 18 | Geologic formation at TD |
| 2 | Operator's name and address | 19 | Name of the intended drilling company if known. |
| 3 | API number of this well. If this is a new drill the OCD will assign the number and fill this in. | 20 | Anticipated spud date. |
| 4 | Property code. If this is a new property the OCD will assign the number and fill it in. | 21 | Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement |
| 5 | Property name that used to be called 'well name' | 22 | Brief description of the proposed drilling program and SOP program. Attach additional sheets if necessary. |
| 6 | The number of this well on the property. | 23 | The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report. |
| 7 | The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter. | | |
| 8 | The proposed bottom hole location of this well at TD | | |
| 9 and 10 | The proposed pool(s) to which this well is being drilled. | | |
| 11 | Work type code from the following table: | | |
| | N New well | | |
| | E Re-entry | | |
| | D Drill deeper | | |
| | P Plugback | | |
| | A Add a zone | | |
| 12 | Well type code from the following table: | | |
| | O Single oil completion | | |
| | G Single gas completion | | |
| | M Multiple completion | | |
| | I Injection well | | |
| | S SWD well | | |
| | W Water supply well | | |
| | C Carbon dioxide well | | |
| 13 | Cable or rotary drilling code | | |
| | C Propose to cable tool drill | | |
| | R Propose to rotary drill | | |
| 14 | Lease type code from the following table: | | |
| | F Federal | | |
| | S State | | |
| | P Private | | |
| | N Navajo | | |
| | J Jicarilla | | |
| | U Ute | | |
| | I Other Indian tribe | | |
| 15 | Ground level elevation above sea level | | |
| 16 | Intend to multiple complete? Yes or No | | |
| 17 | Proposed total depth of this well | | |