

District I
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
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

☐ AMENDED REPORT

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

| | | |
|---|---|--|
| ¹ Operator Name and Address Chesapeake Operating, Inc. 2010 Rankin Hiway Midland, TX 79701 | | ² OGRID Number 147179 |
| | | ³ API Number 30 -025-33883 |
| ³ Property Code 20548 300128 | ⁵ Property Name Sub Big Bertha | ⁶ Well No. 1 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| F | 11 | 16S | 36E | | 2081 | North | 1870 | West | Lea |

⁸ Proposed 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

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|---|-------------------------------|
| ⁹ Proposed Pool 1 Wildcat;Queen | ¹⁰ Proposed Pool 2 |
|---|-------------------------------|

| | | | | |
|--|---------------------------------------|----------------------------------|-------------------------------------|--|
| ¹¹ Work Type Code Plugback | ¹² Well Type Code Oil | ¹³ Cable/Rotary | ¹⁴ Lease Type Code P | ¹⁵ Ground Level Elevation 3893 |
| ¹⁶ Multiple | ¹⁷ Proposed Depth 10900 | ¹⁸ Formation Queen | ¹⁹ Contractor Unknown | ²⁰ Spud Date 03/15/2007 |

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 | 72# | 406' | 375 sx | Surface |
| 11 | 8 5/8 | 32# | 4173' | 1550 sx | Surface |
| 7 7/8' | 5 1/2 | 17# | 10895' | 575 sx | 8896 |
| | | | | | |
| | | | | | |

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 productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

We plan to set a BP @ 10550' above the Wolfcamp and dump 2 sacks of cement on top. We will run a CBL from 5000 to 4000'. We will evaluate how high cement came up from squeeze job. We will then complete in the Queen zone.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plugback

| | | | |
|--|--|--|--|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. | | OIL CONSERVATION DIVISION | |
| Signature: <i>Brenda Coffman</i> | Printed name: Brenda Coffman | Approved: <i>Chris Williams</i> | QC DISTRICT SUPERVISOR/GENERAL MANAGER |
| Title: Sr. Regulatory Comp. Specialist | E-mail Address: bcoffman@chkenergy.com | Approval Date: 3/14/07 | Expiration Date: 3/14/08 |
| Date: | Phone: (432)687-2992 | Conditions of Approval: Attached <input type="checkbox"/> | |

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OIL CONSERVATION DIVISION

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|--|--|--|--|--|-------------------------------|
| ¹ API Number 30-025-33883 | | ² Pool Code ✓ | | ³ Pool Name Wildcat; Queen | |
| ⁴ Property Code 20548 30D128 | | ⁵ Property Name SV Big Bertha | | | ⁶ Well Number 1 |
| ⁷ OGRID No. 147179 | | ⁸ Operator Name Chesapeake Operating, Inc. | | | ⁹ Elevation |

¹⁰ Surface Location

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¹¹ Bottom Hole Location If Different From Surface

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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

| | | | |
|-------------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 40 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ 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

| | | |
|--|---------------|---|
| | ¹⁶ | ¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Brenda Coffman Printed Name Sr. Regulatory Compliance Specialist Title and E-mail Address 02/27/2007 Date |
| | | ¹⁸ 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 of Survey Signature and Seal of Professional Surveyor: |
| | | Certificate Number |