

Submit 3 Copies To Appropriate District Office  
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 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised June 10, 2003

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-025-35981
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Markham 33
8. Well Number 1
9. OGRID Number 147179
10. Pool name or Wildcat Morton Mississippian

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
Chesapeake Operating, Inc.

3. Address of Operator  
P. O. Box 18496, Oklahoma City, OK 73154-0496

4. Well Location  
Unit Letter L : 1650 feet from the South line and 660 feet from the West line  
Section 33 Township 14S Range 35E NMPML ea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
GR: 4019'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:  
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:  
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1) Notify NMOCB Hobbs ofc 24 hrs in advance prior to P&A
- 2) MIRU, POOH w/2-3/8" tbg & 4-1/2" Arrowset pkr
- 3) RIH w/ hailer & bail 2 sx cmt on CIBP @13,500
- 4) Set 4-1/2" CIBP above Brunson @12,950'. Bail 3 sx cmt on plug
- 5) RIH w/open ended 2-3/8" tbg to 12,000', circ hole w/salt gel mud w/9.5# brine & 12.5% gel per bbl
- 6) Spot cmt plug @base of 7" csg @11,577', a min. of 50' below & 300' above to isolate 4.5" liner top @11,337'. WOC & tag plug
- 7) POOH w/tbg, free point 7" csg(est TOC @9200'). Shoot off & POOH w/csg
- 8) RIH w/open ended tbg, spot cmt plug @cut off point, 50' above & 50' below, WOC & tag plug
- 9) Spot 25 sx plug @7000', spot 25 sx plug across Glorieta @6140', WOC & tag plug
- 10) spot plug 50' below & 50' above 9-5/8" interm. csg shoe @4500', spot cmt plug across Rustler Anhydrite top @1900', a min of 50' below & 50' above, tag plug (cont'd Page 2)

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

SIGNATURE Barbara J. Bale TITLE Regulatory Analyst DATE 10/24/03

Type or print name Barbara J. Bale E-mail address: Telephone No. (405) 848-8000  
(This space for State use)

APPROVED BY Gayle W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE OCT 29 2003  
Conditions of approval, if any:

C-103 continued

Markham 1-33, Lea Co., NM  
P&A Notice of Intent

- 11) Spot cmt plug across the 13-3/8" surf. csg shoe @436', 50' below & 50' above, tag plug
- 12) Spot 60' plug from 63'-3'. Well bore should remain full at least 30 minutes after surf. plug set.
- 13) RDMO., Cut off all csg 3' below ground level, weld on ID plate & make requisite surface restorations.

**Markham 1-33**  
**Plug and Abandonment Procedure**  
**Lea County, New Mexico**

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1. Notify the Hobbs office of the NMOCD 24 hrs in advance prior to commencing P&A operations. Phone: (505) 393-6161.
2. MIRU. POOH w/ 2-3/8" tubing and 4-1/2" Arrowset pkr.
3. RIH w/ bailer and bail 2 sxs of cement on CIBP @ 13,500'.
4. Set a 4-1/2" CIBP above the Brunson @ 12,950'. Bail 3 sxs of cement on plug.
5. RIH w/ open ended 2-3/8" tubing to 12,000'. Circulate hole with salt gel mud containing 9.5# brine and 25# of gel per barrel.
6. Spot a cement plug at base of 7" casing @ 11,577', a minimum of 50' below and 300' above to isolate 4.5" liner top @ 11,337'. WOC and tag plug.
7. POOH w/ tbq. Free point 7" casing (est. TOC @ 9200'). Shoot off and POOH w/ casing.
8. RIH w/ open ended tubing. Spot a cement plug at the cut off point, 50' above and 50' below. WOC and tag plug.
9. Spot a 25 sx plug @ 7,000'. Spot a 25 sx plug across the Glorieta @ 6,140'. WOC and tag plug.
10. Spot a plug 50' below and 50' above the 9-5/8" intermediate casing shoe @ 4,500'. Spot a cement plug across the Rustler Anhydrite top @ 1,900', a minimum of 50' below and 50' above. Tag plug.
11. Spot a cement plug across the 13-3/8" surface casing shoe @ 436', 50' below and 50' above. Tag plug.
12. Spot a 60' plug from 63-3'. Well bore should remain full at least 30 minutes after the surface plug is set.
13. RDMO. Cut off all casing 3' below ground level. Weld on ID plate and make requisite surface restorations.