

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.

30-025-36472

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Bertha J. Barber 7

8. Well Number

1

9. OGRID Number

147179

10. Pool name or Wildcat

Monument, Abo

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 I : 2210 feet from the South line and 495 feet from the East line

Section 7

Township 20S Range 37E NMPM Lea County

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

GR : 3548'

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: Perforations, Tubing ☒

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.

See Attached Schematic with Completion History -
01/09/04 thru 02/10/04



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 02/04/04

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

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE APR 05 2004
Conditions of approval, if any: _____

CURRENT WELLBORE SCHEMATIC

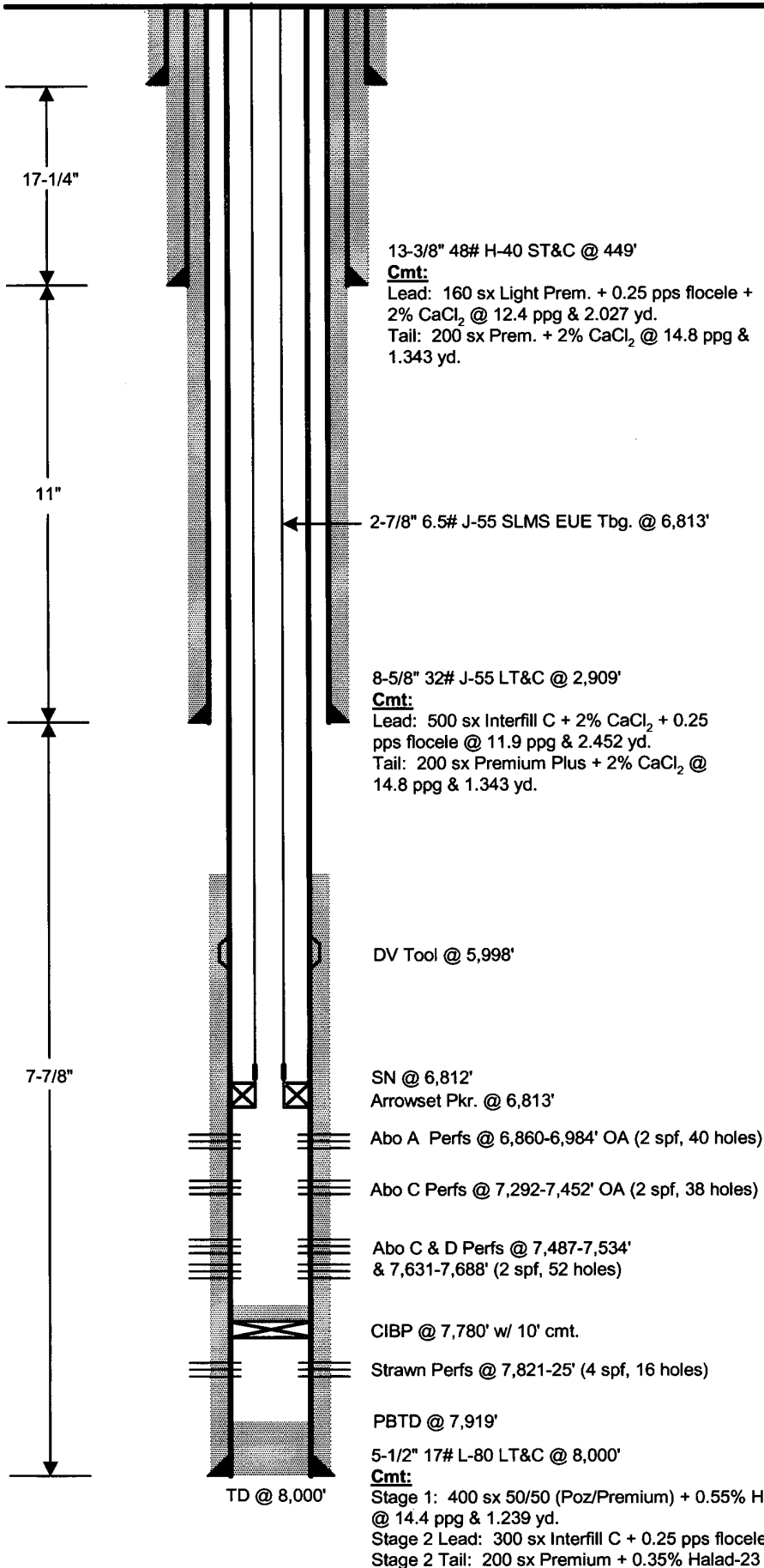
CHESAPEAKE OPERATING INC



WELL : BERTHA J. BARBER 1-7
FIELD : WILDCAT (MONUMENT PROSPECT)
COUNTY : LEA STATE: NM
LOCATION : 2,210' FSL & 495' FEL, SEC. 7-T20S-R37E
ELEVATION : 3,548' GL 3,568' RKB

API #: 30-025-36472
SPUD DATE: 11/24/03
RIG RELEASED: 12/19/03
COMPL. DATE: 2/11/04

HOLE
SIZE



Well History:

COMPLETION

1/8/04: TIH w/ bit, DC's & tbg. Drill thru DV tool @ 5,998', tag PBTD @ 7,919'. Circ. bottoms up w/ 2% KCl, press. up on DV to 2000 psi, held.
1/9/04: Load hole w/ 2% KCl. Press. up to 1000 psi, run GR/CBL/CCL from PBTD 7913' to 5000', good cmt. to 7650', < 50% bond above. Perf 7821-25' w/ 4 spf, 90° Ph. (16 - 0.42" holes). No change in FL.
1/10/04: 15 hr. SICIP slight vac. TIH w/ pkr., SN & 2-7/8" WS. Set Pkr. @ 7800'. TIH w/ swab, IFL surface; swab 40 BW in 3 hrs, FFL 7600'.
1/12/04: 41 hr. SITP 20 psi. TIH w/ swab, IFL 4500'. Load tbg. w/ 29 bbls. 2% KCl. Acidize w/ 1000 gal. 15% NeFe @ 1.2 BPM. Fmtn. broke from 4800 to 4000 psi @ 1.2 BPM, incr. rate to 2 BPM. Flush w/ 46 bbls. 2% KCl. ISIP 2710#, 5 min 9# on vacuum. ATR 1.7 BPM, Min TR 1.1 BPM, MTR 2.2 BPM. ATP 3860 psi, Min TP 3232 psi, MTP 4900 psi. TLTR 102 bbls. TIH w/ swab; IFL 1500; swabbed 122 BW/7 hrs, no show of oil or gas. FFL 1700'. SISD.
1/13/04: 14 hr. SITP 0 psi. IFL 1400'; swab 80 BW in 7 hrs. FFL 1400'.
1/14/04: 15 hr. SITP 0 psi. IFL 1400'; swab 12 BW in 1 hr., no oil or gas. Rel pkr., TOH & set CIPB @ 7780' w/ 10' cmt.
1/15/04: Run ultra-sonic imaging tool to check for cmt. behind pipe. Proposed perfs 6860-988', 7292-534', 7631-688'. Good cement behind pipe, but indication of water sections from 7520-7630'.
1/16-17/04: Load csg, press. to 2500#; perf 7680, 82, 84, 86 & 88' w/ 2 spf (10 - 0.42" holes, 120° ph.) & 7487, 89, 7502, 04, 06, 08, 28, 30, 32, 7631, 33, 35, 40, 42, 44, 46, 48, 50, 69, & 71' w/ 2 spf (42 - 0.42" holes, 120° ph.) TIH w/ tbg, SN & pkr. & set pkr. @ 7424'; test to 1000#.
1/19/04: BD perfs w/ 2% KCl @ 3 bpm & 2040 psi (broke back to 1630 psi) Acidize w/ 2500 gals. 15% NeFe & 60 BS; flush w/ 49 bbls. 2% KCl. ISIP 2300#, 5 min 1860#, 10 min 1375#, 15 min 620#. ATP 3464#, MTP 5780#, Min TP 2911#. Balled out at 5780#. ATR 4.5 bpm, MTR 5.8 bpm, Min TR 4.2 bpm. TLTR 161 bbls. TIH w/ swab, IFL 900'. Swab 30 BW/3 hrs, well flowing on 24/64 ck. Flow 4 hrs. on 10/64 ck, TP 380#, 48 BF, last sample 100% oil, GSOG. MI test separator, TP 270# on 16/64 ck, flowing 12 BOPH, est 160 mcf. Made 96 BO, 0 BW in 16.5 hrs. Est 102 mcf. H₂S 20-30 ppm.
1/20/04: Flowed 11 hrs, 14 BO last 2 hrs on 48/64 ck, FTP 10 psi, est 20 mcf. SWI.
1/21/04: Put thru separator, flowed 12 BO/4 hrs. on 16/64 ck. Open ck to 32/64, 120 psi FTP, est 61 mcf, 21 BO/5 hrs. SWI @ 5 pm.
1/22/04: FTP 80 psi; FR 47.4 mcf. Killed well, rel. pkr & TIH to 7700'. TOH w/ tbg, SN & pkr.
1/23/04: 19 hrs. SICIP slight vacuum. Pump 286 bbls pad of B frac 25 gel; frac w/ 404 bbls gelled borate containing 60K# 20/40 mesh sand, ramped from 1 to 5#. Flush w/ 174 bbls. ISIP 3150#, 5 min 2758#, 10 min 2630#, 15 min 2504#. MTR 30.4 bpm, ATR 30 bpm, MTP 3970 psi, ATP 3300 psi. TLTR 864 bbls. SISD.
1/24/04: 21 hr. SICIP slight vac. TIH w/ bit, DC's & tbg. Tag sand @ 7495'. CO sand to PBTD 7764', circ. bottoms up, TOH to 7413'. SISD.
1/25/04: 19 hr. SITP 0 psi, SICIP 50 psi. TIH & tag @ 7764', no fill overnight. TOH w/ tbg, DC's & bit. SISD.
1/27/04: 24 hr SITP 350#. Bled off, TIH w/ pkr., SN, & 240 jts. 2-7/8" tbg. Set pkr @ 7425'. TIH w/ swab; IFL 1500'. Swab 14 BO & 85 BW w/ GSOG in 5.5 hrs; FFL 2000'. Total 145 BW rec., TLTR 1178 bbls.
1/28/04: 14 hr. SITP 600 psi. Flow 30 min, TIH w/ swab; IFL 500'. Swab & FB 79 BO & 11 BW in 10 hrs. FFL 3000'. GSOG; last 5 runs 100% oil.
1/29-30/04: TOH w/ tbg. & pkr. TIH w/ fast drill comp. BP & set @ 7472'. Perf Abo C @ 7292,94,96,7303,05,07,69,71,73,84,86,88,7434,7436,38,46,48,50, & 52' w/ 2 spf, 38 holes total. Acidize w/ 2500 gals 15% NeFe & 38 BS (no ball action). Flush w/ 173 bbls. 2% KCl. ISIP 3077, 4 min on vacuum. ATR 4.6 BPM, ATP 3380#, MTP 3487#. 327 BLTR. RIH w/ GR & JB to 7470' to wipe balls.
1/31/04: 15 hr. SICIP 415#. Frac w/ 12,000 gal. B-frac 25 gel pad & 16,800 gal. B-Frac 25 containing 60K # 20/40 mesh Ottawa sand, ramped from 1 to 5 ppg. SO w/ 18K# sand left in csg. (4.7# sand in fmrtn.) & 116 bbls. of 25# linear gel flush left (approx. 1350' sand in csg.) ISIP 5000#, 5 min 4218#, 10 min 4256#, 15 min 4275#. ATR 30 BPM, MTR 31 BPM; Min TP 4444#, ATP 4650#, MTP 6000#. TLTR 760 bbls.
2/2/04: 46 hr. SICIP 0 psi. TIH w/ bit & DC's; RU foam unit and foam out gel wtr. Tag sand @ 6008'; CO sd. to 6243'; broke circ & circ hole clean.
2/3/04: TIH & circ out oil and sand w/ foam unit. Ttag sand bridge @ 5775', CO sand and water to 5805' Press. incr. & started lifting water. Prepare for reverse unit.

(CONTINUED ON NEXT PAGE)

PREPARED BY : Ginni A. Kennedy

DATE : 1/6/04

UPDATED BY : Ginni A. Kennedy

DATE : 2/17/04

Bertha J. Barber 1-7

Well History: (CONTINUED)

2/4/04: 14 hr. SICP 500#. Bled off oil & gas, TIH to 5838', kill well and circ w/ 2% KCl. CO 4 sand bridges; tag sand @ 6578'; CO 869' sand w/ reverse unit to 7447'. Circ BU; TIH w/ GR to 7260', OK. TIH w/ Halliburton Fast Drill Composite Bridge Plug & set @ 7250'. SISD.

2/5/04: Press. up on BP to 4500 psi. Perf Abo A w/ 2 spf @ 6860, 62, 64, 66, 76, 78, 80, 82, 6904, 06, 08, 10, 66, 68, 70, 72, 74, 84, 86, & 6984'. (40 , 23 gram, 0.42" holes). Load csg. w/ 50 bbls. 2% KCl; press up to 1500 psi @ 3.1 BPM, no break. Acidize w/ 2500 gals. 15% NeFe & 60 BS. Flush w/ 159 bbls. 2% KCl. ISIP 3000#, 2.5 min on vacuum. Min. TR 3.1 bpm, ATR 5.1 bpm, MTR 5.5 bpm. Min. TP 1500#, ATP 4046#, MTP 4230#. TLTR 222 bbls. TIH w/ junk basket @ GR to wipe balls off perms. TOH, SISD.

2/6/04: 15 hr. SICP 250 psi. Frac Abo A w/ 5418 gals. BFrac 35 pad + 2000# 100 mesh sand and 4200 gals gel containing 43,800# 20/40 Ottawa sand, ramped from 1.0 to 4.25 ppg. Flush w/ 159 bbls. BFrac 35. ISIP 4280#, 4.5 min 0 psi. ATR 28 BPM, MTR 30 BPM, Min. TP 4847 psi, ATP 5700 psi, MTP 6050 psi. TLTR 890 bbls.

2/7/04: 20 hr. SICP 940 psi. TIH w/ bit, BS & DC's on 2-7/8" tbg. Tag sand @ 7125'. CO & drill out comp. BP's @ 7250' & 7472. TIH & tag 7571'. Circ bottoms up. TOH w/ 10 jts.

2/9/04: 37 hr. SICP 1425 psi. SITP 0 psi. Tried to pump down tbg. plugged, unable to circ. TOH w/ 52 jts. tbg, well started flwg. Reverse 60 bbls. to clear tbg, TIH & tag 7571'. CO sand & pieces of composite BP's to 7764'. Circ. 1 hr, TOH w/ 30 jts.

2/10/04: TOH w/ bit & DC, TIH w/ pkr & set @ 6813'. TIH w/ swab; put down line @ 6 pm. Swab & flow oil and wtr, est. gas rate 180 mcf on 32/64 ck w/ 130 psi FTP.

2/11/04: Flow 24 hrs. on 16/64 ck (200 psi FTP) & 20/64 ck (160 psi FTP). Rec. 100 BO & 40 BW, sold 47 mcf.

2/12/04: Flow 24 hrs. on 20/64 ck (220 psi FTP) Est. 66 mcf. Produced 64 BO & 11 BW, sold 35 mcf.

2/16/04: Hook up 3 ph. stack pak. Flow 10 hrs to frac tank, 22 BO & 21 BW; 14 hrs. thru prodn equip on 22/64 ck w/ 290 psi FTP; prod. 45 BO, 24 BW, est. 400 mcf. Sold 180 mcf.