



# CURRENT WELLBORE SCHEMATIC

## CHESAPEAKE OPERATING INC.



WELL : GOVERNMENT D #12  
LOCATION : 1,600' FSL & 1,040' FEL, SEC. 1, T21S, R27E  
COUNTY : EDDY STATE : NM  
FIELD : AVALON EAST, BONE SPRING FIELD  
ELEVATION : 3,194' GL 3,208' KB

API #: 30-015-25565  
SPUD DATE: 4/06/86  
COMPL. DATE: 5/16/86  
CHK # 890971

Hole Size

17-1/2"

12-1/4"

7-7/8"

**13-3/8" 48# K-55 csg. @ 660'**  
Cmt'd w/ 750 sxs Class "C" w/ 2% CaCl<sub>2</sub>,  
circ 25 sxs.  
**TOC @ 850' TS**

Tubing Detail as of 6/04/06:  
91 jts 2-7/8" 6.5 EUE J-55 tbg  
TAC @ 2,813'  
86 jts 2-7/8" 6.5 EUE J-55 tbg  
SN @ 5,474'  
2' sub  
Slotted sub  
MDBP @ 5,508'

Rod String & Pump as of 6/04/06:  
1-1/2" x 16' w/ 1-1/2" x 8' Iner  
7/8" x 4' sub  
83 7/8" rods  
125 1/4" rods  
10 1-1/2" K Bars  
2-1/2" x 1-1/2" x 16' RHB

**9-5/8" 47# S95 Inter. Csg @ 2,580'**  
Cmt'd w/ 950 sx TLW w/ 15.75# salt + 1/4# sx CF  
+ 300 sx Class "C" w/ 2% CaCl<sub>2</sub>, circ 200 sxs.

Delaware Perf @ 2,852-924', 1 spf (36 holes)

Delaware Perf @ 5,426-436', 4 spf (41 holes)  
CBP pushed @ 5,529'

CIBP @ 5,550' w/ 2 sx cmt  
Bone Spring Perfs @ 5,594-600' & 5,603-618', 2 spf (44 holes)

**5-1/2" 14# 15.50# K-55 Prod Csg @ 5,710'**  
Cmt'd w/ 450 sx TLW cmt + 900 sx Class "C"  
w/ .2% D31 Friction Reducer.

TD @ 5,710'  
PBTD @ 5,529'

### Well History

**5/06/86:** Perf Bone Spring @ 5,594-600' & 5,603-618', w 2 spf total of 44 holes.  
**5/07/86:** Acldz Perfs w/ 5,500 gals, 7-1/2% NeFe HCl & 88 BS @ 5 BPM.  
**5/10/86:** Frac w/ 30,000 gals XLG, 35,000# 20/40 sand & 14,000# 12/20 sand @ 19.8 BPM. Turn to prod. F 110 BO & 10 BW @ 750 psig on 14/64" ck. GOR 1,909.  
**7/15/88:** Cut 1,000' Paraffin.  
**11/02/89:** Tagged FL @ 3,000'. Swabbed to SN. Rec 8 BO & 2 BW in 5 hrs.  
**10/18/90:** Swabbed to SN. Rec 8 BO & 3 BW in 4 hrs.  
**12/19/90:** CO 52' Fill.  
**1/24/94:** Repaired pmp.  
**9/13/94:** Replaced pmp.  
**5/31/95:** Replaced pmp.  
**11/30/96:** Replaced pmp. Hot oiled tubing.  
**8/08/00:** CO 8' Fill to 5,654. Replaced 1-1/2" pmp w/ 1-1/4" pmp.  
**4/22/06:** Set CIBP @ 5,550' w/ 2 sx cmt. Perf Delaware @ 5,426-436' w/ 4 spf & 41 total holes.  
**4/25/06:** Acldz, spot 200 gals 15% NeFe HCL across perfs, rev acid into tbg, acldz in 1 stage + 50 - 7/8" ball sealers to divert 4.5 BPM. Did not ball out.  
**4/28/06:** Frac Delaware w/ 10,000 gals x-link gal pad & 20,959 gals linear gel w/ 2 ppg - 7 ppg 20/40 Ottawa & 8 ppg 20/40 Super LC, flush w/ 1,344 gals linear gel, total proppant 36,320# 20/40 Ottawa and 5420# 20/40 Super LC, ISDP 982#, flow back 8 BW in 8 min, form had already closed.  
**5/03/06:** Set CBP @ 5,300'. Perf Delaware 2,852-62, 2,873-88, 2,916-24', w/ 1 spf & 36 holes. Acldz, spot 200 gals 15% NeFe HCL, pull up hole to 2,770', rev acid into tbg, acldz w/ 1,300 gals 15% NeFe HCL + 45 - 7/8" ball sealers to divert 5 BPM, ball out @ 3,200#.  
**5/06/06:** Frac Delaware w/ 10,000 gals x-linked gel pad & 19,610 gals x-linked gel w/ 1/4# to 5# ppg sand 66,740# white 20/40 sand & 15,770# super LC resin coated sand, flush w/ 2,856 gals 2% KCL wtr, 82,510# total sand.  
**6/02/06:** DO CBP, push to PBTD @ 5,529', circ bottoms up. RIH w/ prod tbg & rods and turn over to prod.  
**6/14/06:** 24 hrs 6 BO, 201 BW, 31 MCF, FTP 40#, FCP 40#.  
**7/9/06:** Acldz w/ 500 gal. Pmp 2 drums inhibitor. Found Calcium Sulfate scale in PP. Pmp 2 drms of converter @ 500#.

PREPARED BY: Renee Thomas

DATE: 3/30/05 (AM)

UPDATED BY: Lorie Higginbotham

DATE: 7/11/06