

Chevron Marathon 41A-22D Original Completion Summary

The Chevron Marathon 41A-22D completion operations began January 25, 2008. A Cement Bond Log (CBL/RAL) was used to locate top of cement with a minimum 60 % bond located at 5310'. The criteria used for this determination is minimum 10' net of less than or equal to 9.8 mV response from the XAMP (**Figure 1**).

Before perforating the 4-1/2" casing a pressure test was performed to ensure integrity. The lubricator, frac tree, and casing was pressured up to 5200 psig and held. A total of seven stages are stimulated from 7164' to 8825' with a composite bridge plug set between stages (**Figure 2**). While pumping Stage 7 a pressure transducer (and pop-off) is placed on the 4-1/2" x 9-5/8" annuli as a safety precaution during stimulation operations. This data is captured during the treatment in the event we unexpectedly break-through the top cement barrier (**Figure 3**). The annulus pressure, axis D, shows that during the Stage 7 stimulation, the 4-1/2" x 9-5/8" annuli varied between 3 psig (max) and 1 psig (min) accounting for expansion and contraction of the casing caused by the treating pressure on the casing and the stimulation fluids decreasing the casing temperature. The casing was most likely not entirely full evident by the trivial pressure fluctuations.

On 03/21/2008 after Stage 7 was complete a top plug was set above the perforations at 7060'. The plug was pressure tested at 1000 psig for 5 minutes to confirm the isolation of the perforations below and casing integrity.

The Chevron-Marathon 41A-22D has had no well activity since 03/21/2008. All data collected during the completion operation concludes that the integrity of the 4-1/2" casing was never compromised and that there is very competent cement isolation between the top perforation (7164') and TOC (at <60%).

Created by : RAL, v4.8.007

Plotted by : PlotMgr, v5.4.504

Company : MARATHON

Well : CM #14D-14D

File Name : D:\WELLDATA\14RAD\MAIN1.XTF

Mode : PlotMgr 5.4.504

Interval : 3470.00 - 0005.00 feet UP

Created : 1/26/2008 11:09:28 AM

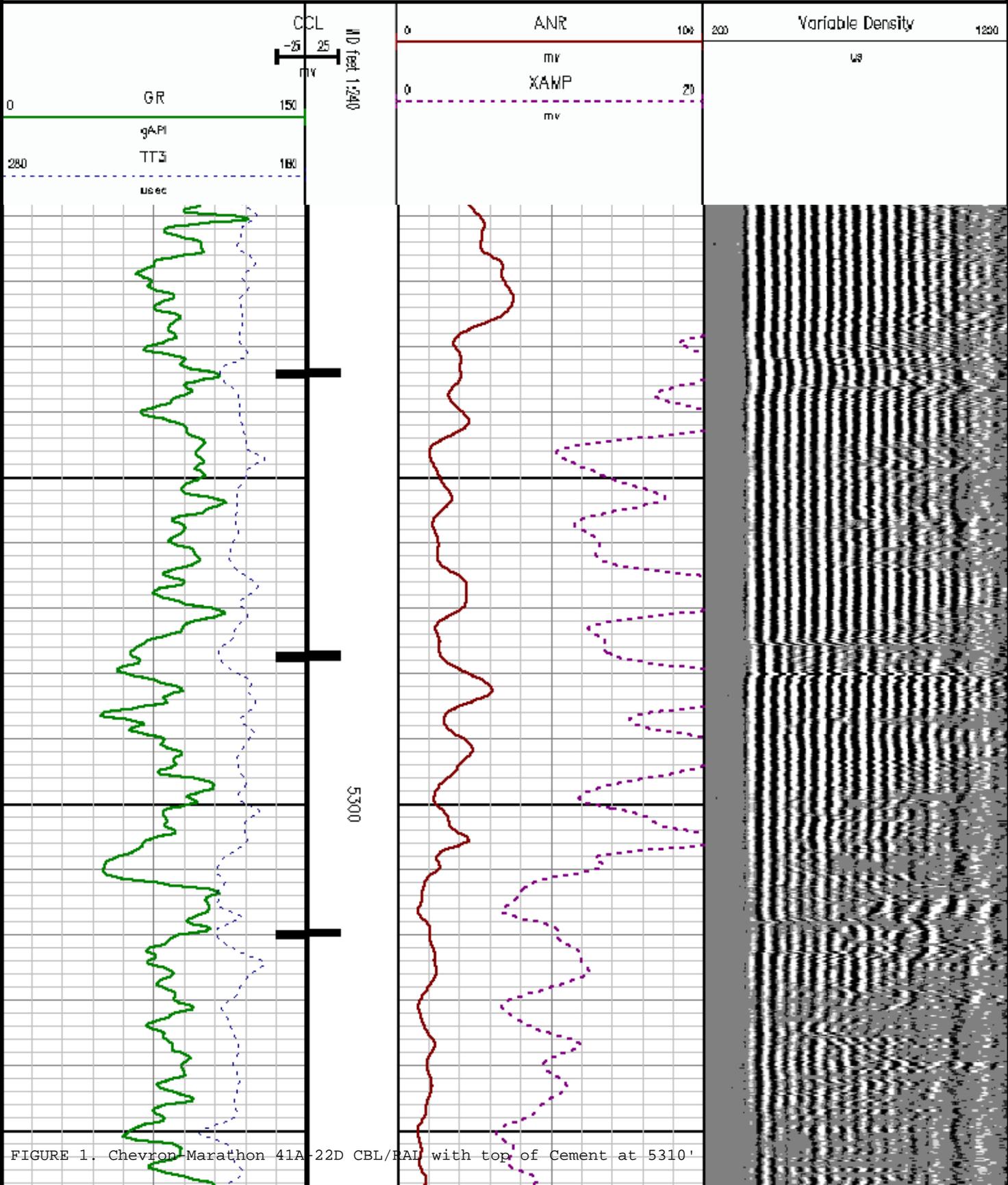


FIGURE 1. Chevron Marathon 41A-22D CBL/RAL with top of Cement at 5310'

Well Name: Chevron Marathon 41A-22D
 SAP CC :
 Lat/Long: NW NW 523; T6S; R97W; 208' FNL & 432' FWL
 County: Garfield County, Colorado
 Field : Grand Valley
 API #: 05-045-14441-00
 Lease: 854500
 Permit: 20073853

WI:
NRI:

Spud Date: 12/23/2007
 Completion:
 1st Flow :

GL: 8,498'
KB: 8,516'

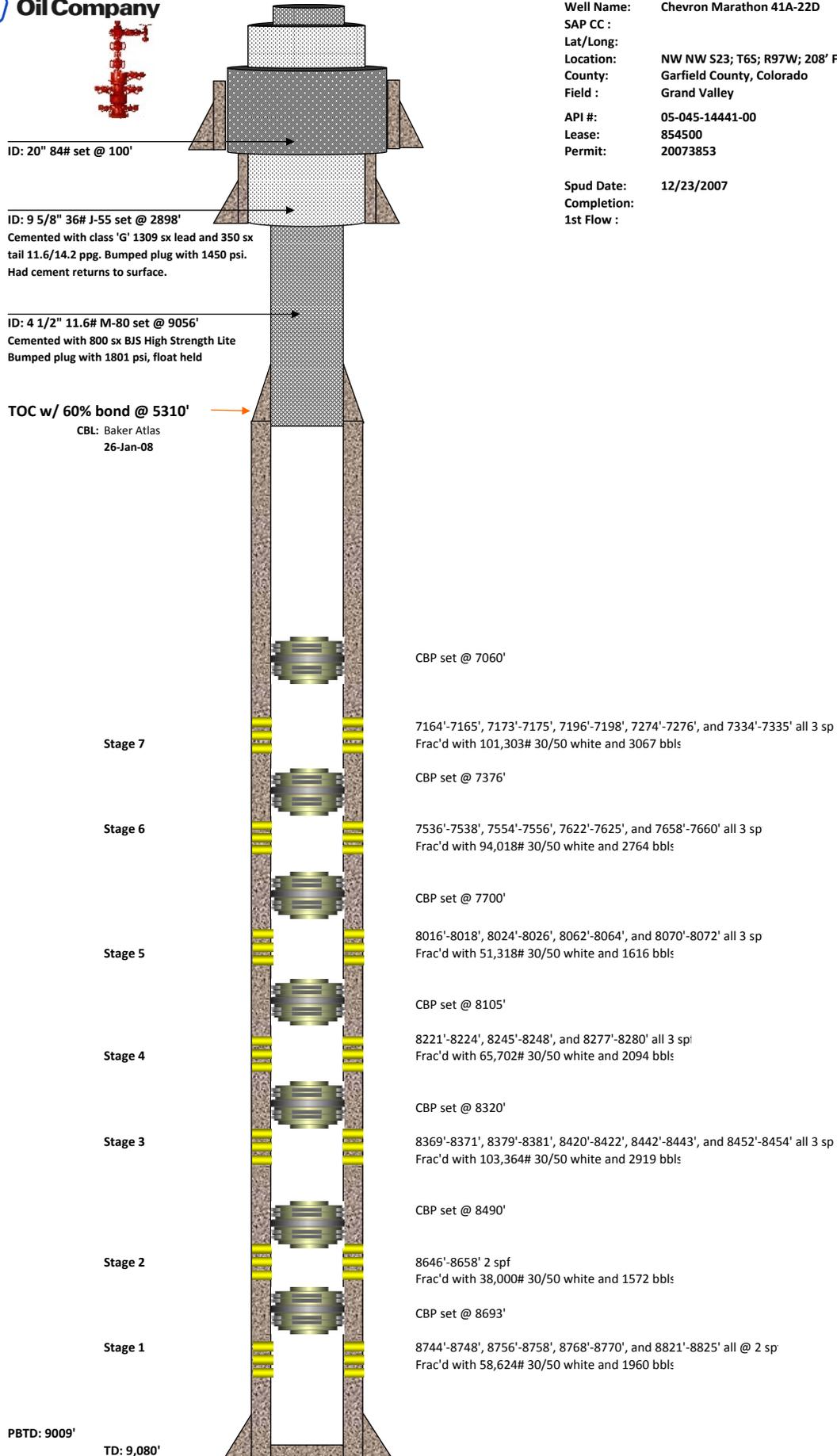


FIGURE 2. Chevron-Marathon 41A-22D Wellbore Schematic

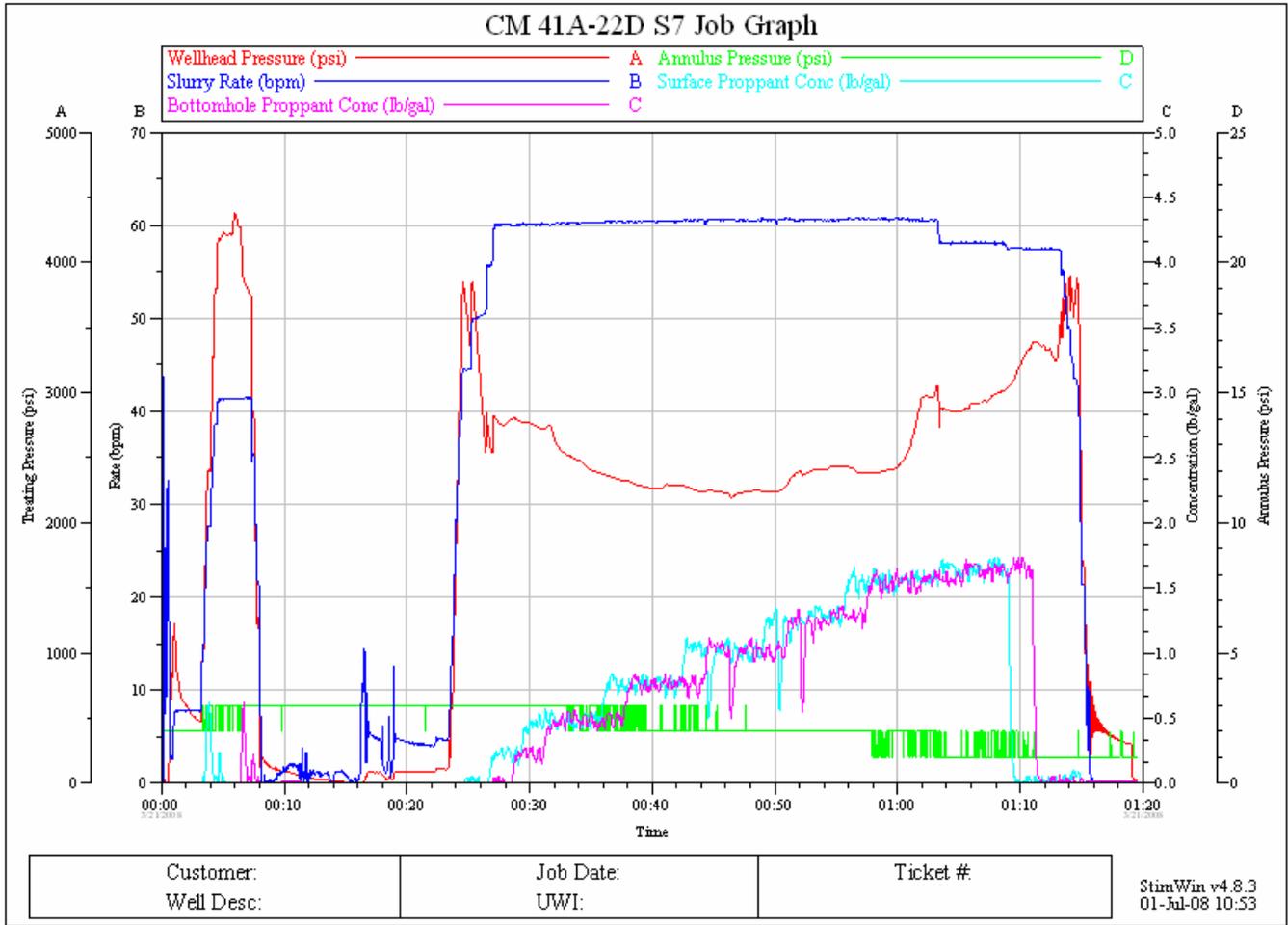


FIGURE 3. Chevron-Marathon 41A-22D recorded data from Stage 7 stimulation