

Mid-Con Energy Operating

Daily Workover - Completion Report

Well Name: **HRMU 11-13**

API #: **05-017-07793**

Area: **Harker Ranch Field, Cheyenne Co., CO**

AFE Number:

Location: **NW NW 13-13S-43W**

PBTD: 5409'

Type Job: Producer

TD: 5450'

AFE Cost:

Perfs: 5289-5328'

Report Date	Daily Detail	Daily Cost	TCTD
8/20/2014	TD: 5450'. DDS: 9. Circulate, lay down DP, RIH 5 1/2" csg. Finish RIH 8:00 PM: Ran 5 1/2" 15.5# J55 csg as follows: guide shoe, short jt w/ float collar, 12 jts csg, short jt, 44 jts csg, DV tool, 72 jts csg; 130 jts run, Shoe @ 5434', FC @ 5412', DV tool @ 3029'. RU Basic Energy Svcs cementers. Circ @ 250-550 psi for 50 minutes(1.5 x csg volume). Started pumping 1st stage at 8:20 PM; pumped 100 sks "A-Con Blend" @ 11.4 ppg and 150 sks AA2 cement @ 14.8 ppg, disp w/ 193 bbl water, bumped latch down plug @ 9:40 PM to 1800 psi, plug held good, lift pressure: 1000 psi. Drop Dart to trigger DV tool to 800 psi. Circulate 2 hours at 5 bbl/min psi 100-200. 2nd stage: Started pumping 2nd stage at 11:15 PM; pumped 100 sks A-Con Blend @ 11.4 ppg and 50 sks A-Con Blend @ 13.2 ppg, disp w/ 72 bbl water, bumped plug @ 1130 PM at 2000 psi, Floats held, lift pressure: 500 psi. RDMO cementers, hung csg in WH slips at string weight.	\$112,200	\$337,929