# SWEET VALLEY FARMS UPRR 31-33 #2 – Remedial Cement and Prep

1 Gyro run 10/14/13.
2 Call foreman/field coordinator at least 24 hrs prior to rig move. If not already completed, request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.
3 MIRU SL. Fish bumper spring and tag PBMD (should be 7372'). Inform engineer of tag depth.
4 Prepare location for base beam rig.
5 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbg.
6 Spot 4820' of 1.66" 2.33# J-55 10RD IJ tbg.
7 MIRU WO rig. Kill well with fresh water and biocide. ND WH, NU BOP.
8 PU tbg, LD landing jt.
9 MIRU EMI equipment. TOOH with 2-3/8" tbg while SB. EMI tbg while TOOH. Lay down jts with wall loss or penetrations >35%. Replace jts as necessary. Keep yellow and blue band tbg. Note jt number and depth of tubing leak(s) on production equipment failure report in OpenWells. Clearly mark all junk (red band) tbg sent to yard.
10 PU and TIH with 203 jts of 2-3/8" tbg with 4-1/2" RBP (4-1/2" 11.6#). Set RBP at +/- 6400'. Circulate to remove gas.
11 Pressure test RBP to 1000 psi for 15 minutes. If pressure test passes, TOOH. SB tbg. Spot 2 sx sand on top of RBP.
12 MIRU WL. Run CCL-GR-CBL-VDL from 5000' to surface to confirm DV tool and any potential cement (records unclear). Discuss log with engineering. Cementing plans could change depending on DV tool depth.
13 **Assuming DV tool at +/- 4667'** ND BOP, ND tbg head. Unland 4-1/2" 11.6# I-70 csg (Do not exceed 130,000-lb pull weight). NU double entry flange, NU BOP.
14 PU and TIH with 4720' of 1.66" tbg outside 4-1/2" csg (should be +/- 150 jts). NOTE: there may be heavy mud. If unable to reach 4360', contact Engineering to discuss plan. Make 2 sweeps with Hyperdrill DF 2020 while TIH.
15 Circulate and condition hole with fresh water and biocide. Well does NOT have a history Bradenhead pressure but will need thorough circulation for good cement placement. Make one final sweep with Hyperdrill DF 2020.
16 MIRU Sanjel. Commence pumping cement job consisting of 5 bbl fresh water, 20 bbl sodium metasilicate and 5 bbl fresh water; 560 sx of 1:1 Poz:G w/ 0.6% CFL-2, 0.5% CFR, 0.6% SMS, 0.2% SPC-2, and 0.4% LTR mixed at 14.6 ppg and 1.12 cf/sk (cement from 4720' to 3950'. 12" avg hole from caliper, adding 20% excess).
17 PUH with 1.66" tbg to +/- 3700' and circulate fresh water and biocide to clean up.
18 PUH with 1.66" tbg to +/- 970'.
19 Commence pumping cement job consisting of 10 bbl fresh water followed by 420 sx of Type III w/ 0.3% CFL-3, 0.3% CFR-2, 0.25 pps Polyflake, and CaCL2 mixed at 14.8 ppg and 1.33 cf/sk (cement from 1340' to 460'. 12" avg hole from SX caliper, adding 20% excess).
20 TOOH w/ 1.66" tbg and LD.
21 RMDO cement company.
22 ND BOP, ND double entry flange, re-land 4-1/2" csg. NU BOP.
23 Leave well SI for minimum of 24 hours.
24 MIRU WL and run CCL-GR-CBL-VDL from 4800' to surface (cement should be from +/- 4720' to 3950' and +/- 970' to 210'). If Sussex plug is not above 3950' or Fox Hills plug is not above 210', contact engineering for further instructions. Email logs to engineering and DJVendors@anadarko.com. RDMO WL.
25 TIH with 2-3/8" tbg and retrieving head to tag sand above RBP at +/- 6400'. Circulate sand off RBP, latch onto RBP and TOOH. SB tbg, LD RBP.

26 RU hydrotester. While hydrotesting 2-3/8” tbg to 6000 psi, PU and TIH with 2-3/8” NC, 2-3/8” XN (1.791”), 11 jts 2-3/8” tbg, Arrowset AS-1X production packer rated to 10000 psi for 4-1/2” 11.6 I-70 csg, and 220 jts of 2-3/8” tbg to surface. Set packer at +/- 6882’ (collars at 6869’ and 6912’) with EOT at +/- 7229’ (1 jt above Codell perfs). **Set packer as procedure says. This is not the new packer BHA because this well is offset to a Non-Op frac**

27 Fill hole with packer fluid. (Julio Ramirez 970-518-2166 or Cesar Rodriguez 970-590-2682 with Reliable Services). Do not load hole with water out of the work tank. Pressure test to 1000 psi for 15 minutes.

28 ND BOP, Install new WHI 5,000 psi flanged tubing head complete w/ 5,000 psi rated casing valves. Thread tubing mandrel onto tubing and land in tubing head bowl.

29 Install 7-1/16”, 5,000 psi flanged tubing head adaptor w/ new 2-1/16”, 5,000 psi flanged master valve.

30 MIRU hydrotester. Install 2-3/8” pup joint above master valve. Hydrotest wellhead to 5,000 psi from below tubing head through master valve for 15 minutes.

31 RMDO WO rig. Return well to production team.