

11/19/75
(Cont'd)

RU Dresser Atlas to perf (Cliffhouse):

4208-16', 4302-06', 4346-50'
4382-86', 4430-32', 4450-56'

SDON. Prep to breakdown perfs & frac.

11/20/75

Ran retrieving tool & tbg IH, circ sd & balls off BP, pulled BP up to 4480', set BP, spotted 125 gals HCL (15%) acid, & POOH. Ran 4-1/2" BP, pkr, & tbg IH to breakdown perfs:

4208-16'	8 BPM	3000 psi
4302-06'	6 BPM	3000 psi
4346-50'	5 BPM	2900 psi
4382-86'	5 BPM	3000 psi
4430-32'	6 BPM	3000 psi
4450-56'	8 BPM	3000 psi

Pumped total of 400 gals HCL (15%) acid, pulled tbg, pkr, & BP OOH.

RU Western to frac w/45,000 gals, 30# gel wtr in 3 stages:

3750 gal pad

3750 gal 100 mesh w/3#sd/gal

7500 gal 20/40 w/2#sd/gal

1st Stage: Avg: 26 BPM

600 psi

2nd Stage: Avg: 24 BPM

900 psi

3rd Stage: Avg: 17 BPM

1450 psi

Dropped 9 balls after 1st & 2nd stages. Pumped 250 gals HCL (15%) acid between 2nd & 3rd stages. Flushed w/5586 gals wtr @ 15 BPM, 1500 psi. ISIP - 500 psi, 5" - 300 psi, 10" - 250 psi.

Ran retrieving tool & tbg IH down to top of 4-1/2" liner. SDON.

Prep to wash sd & balls off BP, blw & clean up Mesaverde.

11/21/75

Blwg Mesaverde to clean up after frac. Unloading frac sd & wtr overnight with compressor - measurement to follow.