

SEMU #121 (SLB 10/23/98)

Perforations (cont)

Date	Int	Shots (ft)	Type	Comments
13-Sep-85	7153.0 - 7204.0	1.0		@ 7153, 56, 75, 81, 84, 87, 90, 93 & 7204 in 9 bbls 15% HCL-NEFE
13-Sep-85	7209.0 - 7311.0	1.0		@ 7209, 12, 18, 38, 42, 53, 61, 67, 95, & 7311
13-Sep-85	7344.0 - 7386.0	1.0		
18-Sep-85	6988.0 - 7103.0	1.0		@ 6988, 94, 7007, 59, 63, 90, 93, 97, 7100 & 7103 in 6 bbls 15% HCL-NEFE
28-Sep-85	6860.0 - 6874.0	1.0		@ 6860, 70 & 6874
28-Sep-85	6877.0 - 6914.0	1.0		@ 6877, 81, 86, 90, 94, 98, 6902, 05, 10 & 6914 in 3 bbls 15% HCL-NEFE
10-Oct-85	6860.0 - 6884.0	1.0		@ 6860, 70, 74, 77, 81, & 6884 in 2 bbls 15% HCL-NEFE acid.
12-Oct-85	6750.0 - 6808.0	1.0		@ 6750, 71, 75, 82, 86, 89, 98, 6801, 05, & 6808 in 4 bbls 15% HCL-NEFE
12-Oct-85	6815.0 - 6837.0	1.0		@ 6815, 19, 23, 27, 30 & 6837
17-Oct-85	6638.0 - 6691.0	1.0		@ 6638, 44, 47, 56, 59, 68, 79, 83, 87 & 6691 in 4 bbls 15% HCL-NEFE
17-Oct-85	6695.0 - 6725.0	1.0		@ 6695, 99, 6703, 07, 11, 18, 21, & 6725
13-Nov-85	6988.0 - 7116.0	1.0		@ 6988, 93, 7059, 62, 90, 95, 97, 7100, 03 & 7116
13-Nov-85	7119.0 - 7193.0	1.0		@ 7119, 22, 53, 56, 72, 75, 84, 87, 90 & 7193
13-Nov-85	7204.0 - 7261.0	1.0		@ 7204, 09, 12, 18, 38, 42, 53 & 7261
13-Nov-85	7295.0 - 7311.0	1.0		Had 8 mis-fires.
13-Nov-85	7344.0 - 7521.0	1.0		@ 7344, 48, 77, 86, 7488, 7507, 14 & 7521 w/2 Mis-fires.
13-Nov-85	7524.0 - 7607.0	1.0		@ 7524, 35, 52, 54, 76, 83, 93, 96, 99 & 7607
13-Nov-85	7616.0 - 7620.0	1.0		

Stimulations & Treatments

Date	Type	Zone	Int	Fluid	Comments
16-Aug-85	Acid Squeeze	Lower Wolfcamp	7807.0 - 7815.0	15% HCL-NEFE	Spot 16 bbls 15% acid in tbg shooting 10 BS every 4 bbls. Very little BA did not BO. ATP=4,000# @ 5 bpm, ISIP=2,700#
21-Aug-85	Acid Squeeze	Middle Wolfcamp	7800.0 - 7904.0	15% HCL-NEFE	Pmpd 26 bbls 15% HCL-NEFE w/5 BS every 4 bbls. ATP=5,500#, ISIP=6,000#
22-Aug-85	Acid Squeeze	Middle Wolfcamp	7794.0 - 7800.0	15% HCL-NEFE	Acidz w/26 bbls 15% HCL-NEFE dropping 5 BS every 4 bbls, good BA. ATP=4,600# @ 4.5 bpm, ISIP=3,400#
26-Aug-85	Acid Squeeze	Middle Wolfcamp	7794.0 - 7800.0	15% HCL-NEFE & Demulsifier	Pmp 750 Gals "One Shot" acid & demulsifier, dropping 5 BS after each 2.5 bbls acid. No BA. ATP=3,000# @ 4.4 bpm, ISIP=2,300#
28-Aug-85	Acid Squeeze	Upper Wolfcamp	7771.0 - 7781.0	"One Shot Acid"	Acidz w/30 bbls "One Shot Acid", dropping 50 BS. No BA. ATP=3,300# @ 5.3 bpm, ISIP=2,500#
03-Sep-85	Fracture	Upper/Middle Wolfcamp	7771.0 - 7800.0	Water	Frac w/189 bbls Gelled wtr w/12,000# 20/40 sand. ATP=3,500# @ 8 bpm, ISIP=3,600#
07-Sep-85	Acid Squeeze	Lower Abo	7576.0 - 7620.0	15% HCL-NEFE	Acidz Lower Abo w/54 bbls 15% HCL-NEFE, dropping 27 BS, got very good BA. ATP=4,900# @ 4.5 bpm, ISIP=3,600#
10-Sep-85	Acid Fracture	Lower Abo	7576.0 - 7620.0	20% X-Linked Acid	Acid frac w/190 bbls X-Linked Acid w/82 bbls CO2. ATP=6,000# @ 7.7 bpm, ISIP=4,200#
14-Sep-85	Acid Squeeze	Middle Abo	7153.0 - 7386.0	15% HCL-NEFE	Pmpd 80 bbls 15% HCL-NEFE acid, shooting 3 BS every 6 bbl, good BA, did not BO. ATP=4,410# @ 4.6 bpm, ISIP=3,500#
18-Sep-85	Acid Squeeze	Upper Abo	6988.0 - 7103.0	15% HCL-NEFE	Acidz w/40 bbls 15% HCL-NEFE, dropping 20 BS, some BA, did not BO. ATP=4,100# @ 4.7 bpm, ISIP=3,000#
26-Sep-85	Acid Fracture	Upper Abo	6988.0 - 7122.0	20% X-Link Acid & CO2	Acid frac w/70% X-Linked acid & 30% CO2 (143 bbls 20% HCL & flush w/35 bbls TFW & CO2. ATP=5,000# @ 2 bpm, ISIP=3,600#
30-Sep-85	Acid Squeeze	Lower Drinkard	6860.0 - 6914.0	15% HCL-NEFE	Acidz w/45 bbls 15% HCL-NEFE, dropping 30 BS, good BA. ATP=4,000# @ 4 bpm, ISIP=1,000#
04-Oct-85	Cement Squeeze	Lower Drinkard	6725.0 - 6925.0	Class "H" Cement	Pmp 75 sx Class "H" cement. Attempted to hesitate squeeze, failed to get sqz. Flushed perfs clean w/2.5 bbls completion fluid. Pmpd 100 sx Class "H" cmt @ 14.8 ppg. Started hesitation sqz with 3,250# inj press. Shut in 5 min & press fell to 2,100#. Pmp 1/2 bbl & press built to 2,500#, shut in 10 min & press fell to 2,100#, pmpd 1/4 bbl & press built up to 3,250# & broke over & started to fall. Shut in 15 min & press fell to 2,100#, pmpd 1/4 bbl & press built up to 3,000#, shut in & pressure held. Press test sqz to 1,000#, Held OK.
10-Oct-85	Acid Squeeze	Lower Drinkard	6860.0 - 6884.0	15% HCL-NEFE	Acidz w/18 bbls 15% HCL-NEFE dropping 4 BS per stg. ATP=5,000# @ 5.5 bpm, ISIP=2,800#
13-Oct-85	Acid Squeeze	Middle Drinkard	6750.0 - 6837.0	15% HCL-NEFE	Acidz w/48 bbls 15% HCL-NEFE dropping 32 BS, BO w/24 bbls flush pmpd, surged balls, pmpd 10 more bbls flush & BO again, surged balls & pmpd away remaining flush. ATP=3,000# @ 5 bpm, ISIP=2,100#