

01-07-98

Swab well down, 42 BW, final fluid level @ 2,000', TOO H w/ tbg, MIRU wireline, TIH, dump 1sk cement on CIBP, TOO H, TIH w/ 3 1/8" HSC gun, 16 gram charge w/ 90° phase, perforate Penn Lime 4 spf @ 11,046' - 62', SICP 0#, TOO H, RDMO wireline, PU and TIH w/ 5 1/2" Model "R" pkr, 2 1/4" SN and 349 jts tbg, reverse circulate w/ 7 BBLS 2% KCL, set pkr, ND BOPs, NU wellhead, pressure up csg 500#, monitor, tie onto tbg, break down 4850#, .5 BPM @ 4650#, pump 7 BBLS 2% KCL, SD, open bypass on pkr, spot 43 BBLS 15% HCL NE Fe and flush w/ 76 BBLS 2% KCL, avg rate .5 BPM, avg PSI 4800#, max rate .5 BPM, max PSI 5000#, SD, total 133 BBLS, ISIP 4666#, 5 min 4380#, 10 min 4266#, 15 min 4168#, SDFN.

01-13-98

Blow well down, MIRU wireline, TIH w/ 1 11/16" strip gun, perforate 11,032' - 038', 4 spf, 24 holes, TOO H, RDMO wireline, MIRU Halliburton, pump 13 BBLS Xylene, 76 BBLS 15% Fercheck, flush w/ 88 BBLS 2% KCL w/ 2 GPT and 19N, avg rate 4.4 BPM, avg PSI 4700#, max rate 5 BPM, max PSI 5150#, ISIP 4554#, 5 min 3314#, 10 min 2480#, 15 min 1891#, total load 177 BLWTR, SDFN, SITP 450#.

01-16-98

TIH w/ swab, initial fluid level @ 7,300', swab 2 hrs, 10 BO, 0 BW, final fluid level @ 8,800' scattered, RU pump truck, load tbg w/ 40 BBLS 2% KCL, release pkr, ND wellhead, NU BOPs, TOO H w/ pkr and tbg, PU and TIH w/ BP and 344 jts tbg, set RBP @ 11,785', load hole w/ 127 BBLS 2% KCL, test RBP 100#, OK, pull tbg to 10,689', spot 36 BBLS 15% NE-Fe HCL w/ 57 BBLS 2% KCL, RDMO pump truck, total 246 jts tbg, total 260 BLWTR, SDFN.

01-17-98

Swab well to 2,000', 42 BW, finish TOO H, 335 total jts, MIRU wireline, TIH, perforate Townsend 10,632' - 650' to 10,653' - 656', 10,666' - 674' and 10,680' - 690' w/ 3 1/8" HSC, 4 spf, 16 gram 90° phase, RDMO wireline, PU and TIH w/ RBP, pkr, SN and 271 jts tbg, SDFN.

01-18-98

Blow well down, finish TIH w/ RBP, pkr, SN and 338 jts 2 7/8" tbg, ND BOPs, ND wellhead, set pkr @ 10,535', open bypass, pump 55 BBLS 2% KCL, attempt to circulate hole without success, spot acid, close bypass on pkr, NU wellhead, load csg w/ 90 BBLS 2% KCL, pressure up to 1200#, held OK, pump 72 BBLS 15% NE-Fe HCL acid total, flush w/ 64 BBLS 2% KCL, avg rate 5.5 BPM, avg PSI 1150#, max rate 6 BPM, max PSI 1670#, total 281 BLWTR, ISIP 0#, RDMO Halliburton, RU swab, initial fluid level @ 9,000' pulling from SN @ 10,553', 0 BO, 20 BW, final fluid level @ 9,500' scattered pulling from SN, SITP 0#.