

Total Volume Pad - 160 bbls

Total Volume Flush - 163 bbls

Total Volume 28% Acid - 180 bbls

Acid Composition

15% HCl - Breakdown
28% HCl - Acid Frac
Iron Sequesterant
Non-Emulsifier
Surfactant
Friction Reducer

Gelled Fluid Composition

2% KCL Base Fluid
40 lbs/1000 gals Hydroxypropyl Guar Gum
25 lbs/1000 gals Adomite Aqua
Non-Emulsifier
Surfactant
Adocide
Breaker - for 2 hour break

8. Swab back load (594 bbls) recording oil cut & fluid volumes.

NOTE: Need to swab sufficient time to determine if well would be economical as dual.

9. Report results to Engineering.

10. Release 7" treating packer @ +6600'.

A. Release 7" RBP @ +6865'.
B. Reset 7" RBP @ +6575' and pressure test to 1500 psi.
C. Reset 7" treating packer @ +6350'.

11. Acidize Lower Tubb perfs @ 6-8 BPM as follows:

A. Pump 35 bbls (1470 gals) 15% HCl-NE-FE acid (inhibited for 24 hrs @ 115°F).
B. Pump 100 lbs graded rock salt mixed in 4 bbls 10 lb/gal brine water w/7 lbs guar gum (w/1 hour breaker in guar gum).
C. Pump 35 bbls (1470 gals) 15% HCl-NE-FE acid (inhibited for 24 hrs @ 115°F).
D. Flush to bottom perf w/44 bbls TFW.
E. Swab back all or part of load for 1/2 day (minimum 4 hrs).

12. Release 7" treating packer @ +6350'.

A. Release 7" RBP @ +6575'.
B. Reset 7" RBP @ 6485' and pressure test to 1500 psi.
C. Spot 8 bbls 15% HCl-NE-FE acid (inhibited for 48 hrs @ 115°F) from 6472' to 6288'.
D. POOH w/2-7/8" workstring & 7" treating packer.

13. Rig up perforating service company.

A. RIH w/3-1/2", decentralized, select-fire, Hollow Carrier Casing Gun w/CCL.
B. Perforate Upper Tubb w/1 JSPF, 0° phasing, .37" Avg. Csg. Hole Dia. & Jumbo Jet II charges from top to bottom as follows: