

## PERFORATING RECORD ACID CEMENT SQUEEZE

TOM L. INGRAM  
#1 State "V"

Perforated 21 holes 12,511-12,521. Acidized with 5000 gallons & 198,000 SCF N<sub>2</sub>. Set cement retainer @ 12,410' and squeezed perf. 150 sx Class H cement. Drilled out retainer and cement to 12,570'. Perforated 4 shots per foot 12,520-526'. Acidized with 2000 gallons. Tested, slight show of gas. Set Cast Iron Bridge Plug at 11,950'. Placed 100' cement on top. Perforated 1 shot per foot 11,175, 184, 195, 198, 11,208, 212. Acidized with 2000 gallons. Swabbed oil and water. Oil depleted after 10 days. Set Cast Iron Bridge Plug at 11,019'. Put 100' cement on top. Perforated 1 shot per foot 10,854, 56, 59, 68, & 70. Acidized with 1500 gallons. Swabbed salt water. Set Cast Iron Bridge Plug at 10,250'. Put 100' cement on top. Perforated 1 shot per foot 10,103, 108, 113, 124, 133, 138, 141, 144. Found no good cement over these perfs. Perforated 4 holes 10,170-71. Set retainer at 9986' and cemented with 500 sx Class H. Drilled retainer and cement to 10,206'. Perforated 4 holes 10,184-185'. Set retainer at 10,160'. Cemented with 75 sx Class H. Perforated 8 holes 10,103, 108, 113, 124, 133, 138, 141, 144. Acidized with 1500 gallons 15%. Swabbed dry - no show. Set Cast Iron Bridge Plug at 9670'. Put 100' cement on top. Perforated 15 holes 9517-23, 9531-38. Acidized with 2500 gallons. Swabbed dry - no show. Set Cast Iron Bridge Plug at 9400'. Put 100' cement on top. Perforated 20 holes 9213-19, 9226-30. Acidized with 1000 gallons. Swabbed dry with show gas.