

DETAILED REPORT - Cooper Jal Unit #123

- 2-28-89 MIRU. Pulled pumping equipment. Tag Fill @ 3566'.
- 3-1-89 Cleaned out Fill from 3566' to 3650' TD. Found communication between 5 1/2" & 9 5/8".
- 3-2-89 Acidized 4 3/4" openhole from 3363' to 3650' with 4,000 gal. 15% NEFE acid. Reran pumping equipment & pumped to test Langlie Mattix.
- 3-16-89 24 Hour Test: 39.8 BOPD 125.0 BWPD 11.5 McFPD Pumping
- 3-28-89 MIRU. Pulled pumping equipment.
- 3-29-89 Set CIBP @ 3310' by tubing. CIBP leaking. Located 5 1/2" casing leak at 634' to 664' using RBP and packer.
- 3-30-89 Set 2nd CIBP at 3308' and copped w/ 1 sx. cement. Tested casing from 850' to 3300' to 900 psi - Held.
- 3-31-89 Cemented down 5 1/2" casing, thru 5 1/2" casing leaks @ 634' to 664', and out 5 1/2" x 9 5/8" annulus with 300 sx. Class H neat cement. Circulated 35 sx. cement to pit. SI-WOC.
- 4-3-89 Drilled out cement 395'-623'.
- 4-4-89 Drilled out cement 623'-644'. Tested squeeze to 500 psi for 15 minutes with BLM witness. See pressure recorder chart attached. Ran GR-Neutron log from 3188' to 2000'.
- 4-5-89 Perf'd 5 1/2" csg. 2996'-3217' with BB 1/2" holes.
- 4-6-89 Acidized & Fraced the Jalmat perms. 2996'-3217' thru tubing & packer with 5,000 gal. 15% NEFE acid and 40,000 gals. x-linked wtr. containing 80,000 lb. of 12/20 sand.
- 4-7-89 Cleaned out fill from 3134'-3144' with sand pump.
- 4-10-12-89 Cleaned out frac sand 3126' to 3294'. Drilled cement & CIBP's from 3294' to 3310'. Pushed CIBP's to 3645'. Reran pumping equip. and pump Langlie Mattix openhole 3363'-3650' and Jalmat perms. 2996'-3217' to test downhole commingled production.
- 5-8-89 24 Hour Potential Test: 72.1 BOPD 234.3 BWPD 18.6 McFPD
Requested Split: Jalmat 45% Oil, Water, & Gas
Langlie Mattix 55% Oil, Water, & Gas