

HANSON OPERATING COMPANY, INC - OPERATOR

MAC FEDERAL #1

Sec. 7, T.9S, R30E
Chaves County, New Mexico

COMPLETION REPORT

- 2-01-97 RU Pool Well Service Rig. Picked up 1 4 3/4" Bit, 6 4 1/2" drill collar. PU 107 jts. of 2 3/8 tubing. Tagged float collar at 3264'. PU Power swivel & started drilling. Drilled 43' of cement, started getting formation. Circulated hole clean, layed down power swivel & came out of hole with tubing & collars. RU wire line truck ran in hole with CBL & collar locator & Gamma Ray. Logged TD at 3334'. Reverse hard made 27' mistakes on tally. Drilled 5' out from under pipe. Came out of hole with log. Rigged down wire line, ran in hole with 3334' of 2 3/8" tubing, circulated hole with 95 bbls. of 2% KCL water. Came out of hole with tubing. Rigged up wire line truck, ran in hole and set cast iron bridge plug at 3325'. Came out of hole & ran back in hole with a dump bailer with 2sx of cement. Dumped cement on top of CIBP. Came out of hole & ran back in to perf. at 3273, 75, 83, 85, 86, 3301, 03, 04, 05, 06, 07, 3310, 11, 12, 14. Came out of hole with perf. gun. Rigged down wire line truck. Ran 2 jts. of tubing in hole. Closed BOP & shut down.
- 2-02-97 RIH with 6 4 1/2" drill collars. Came out of hole laying down. Pickup 1 treating packer & 104 jts. of tubing. Broke circulation, spotted 1 bbl. of acid at 3317'. Pulled packer up to 3240' and set. Started pumping acid, formation broke at 3200# 2.5 bbls. per min. Acidizing up 3000 gallons 20% acid, average injection rate 2.5 BPM, average injection pressure 2191, ISIP 1800#, 5 min. 1063#, 10 min. 512#, 15 min. 222#, 1 hr. vacuum. Left well shut in 1 hr., open up value well on vacuum. RU swab line & hose. Started swabbing, 1st run fluid 850' from surface 2nd run fluid 1400' from surface. Well started flowing acid gas & water Very little oil cut, flared for 30 min. 3rd run 1300' from surface, 4th run 1500' from surface, 5th run 1800' from surface, 6th run 2200' from surface 11.50 bbls., 7th run 2200' from surface trace of oil. Total bbls. swabbed 13. Last 2 runs had 2% cut, total load pumped 100 bbls.
- 2-03-97 90# on tubing, 1st run 1800' from surface. Fluid never got below 2500' Made 32 swab runs, swabbed 64 bbls. 2% oil cut. Total swabbed 75 bbls.
- 2-04-97 7:30 am 0 pressure on tubing, fluid level 2300' to surface.
7:30-11 am 14 swab runs, fluid level stayed 2600' to surface, 0% oil cut
11-4pm 18 runs, fluid stayed 2600', total swabs for the day 48bbls.
- 2-05-97 7:30 am 10# pressure on tubing, fluid level 2300' to surface, trace of oil, rigged down pulling unit. Total swabbed 124 bbls.
- 2-06-97 Moved in, RU pulling unit, unset packer. Came out of hole with tubing & packer, left 2 jts. of tubing in well. Closed BOP. Shut down.
- 2-7-97 Picked up RBP with ball catcher. RIH with RBP with catcher, treating packer and tubing. Set RBP at 3296', pulled packer up to 3235' and set. Rigged up swab line and started swabbing. 1st run fluid level at 1800' from surface, 2nd run 2000' from surface, 3rd run 2100' from surface, 4th run 2200' from surface, 5th run 2400' from surface, 6th run 2500' from surface, 7th run 2600' from surface, 8th run 2700' from surface, 8-19 fluid level stayed at 2700' from surface. Swabbed 36 bbls. 1% oil cut