

TEXACO

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Detailed account of work done:

Pulled rods & tubing, Perf 5½" casing 9785' to 9804' w/4 jet shots per ft. Complete 10:00 A.M. 7-7-58. Ran 9805' tubing w/pkr. Acidize with 500 gals. MA. Complete 10:30 A.M. 7-8-58. Swab 21 hrs, rec. 278 BF (97% Wtr).

Set BP @ 9860' w/Retr @ 9760', sq. casing perfs 9785' to 9804' w/100 x reg. HOWCo. Squeeze in 42 Sx and Rev. out 58 Sx @ 5200#. Drld out retr & cement to top BP. Perf 5½" casing 9832' to 9844' w/ 4 jet shots per ft. Complete 1:30 PM 7-14-58. Acidize with 500 gals MA thru pers. 9832' to 9844'. Complete 3:45 P.M. 7-15-58. Swab 15 hrs. 167 BF & 117 Residue & Wtr.

Pulled 2" tubing & Pkr. Set retainer @ 9755'. Squeeze Csg. perfs. 9832' to 9844' with 75 Sx. reg. Cement. Sq. 35 Sx in and Rev. out 40 Sx. Complete 7-23-58 @ 10.30 A.M. Drld out cmt. to 9858', tested bridge plug & failed to hold. Drld out cement and pulled tubing. Set Cast Iron B. Plug @ 9863', Perf. 5½" csg. @ 9774' to 9788' w/ 4 jet shots per ft. complete 12:00 Noon 7-25-58. Ran tubing w/ pkr @ 9757'. Acidize perfs 9774' to 9788' w/ 1000 gals. Swab 16 hrs. rec. 38 BLO & 270 BW.

Pulled tubing set retainer @ 9744'. Squeeze perfs. 9774' to 9788' w/ 75 Sx. w/ 35 Sx in formation and 40 Sx. rev. out. Complete 3:00 P.M. 7-31-58. Pulled tubing. Drilled out retainer at 9744' & plug @ 9863'. Ran tubing w/ pkr @ 9860', acidize w/ 3000 gal 15% acid. Swab 8½ hrs. rec. 29 BLO & 11 BW. Pulled tubing & Pkr, set B. Plug @ 9865' & retainer 9764', ran tubing, P/70 BW down tubing, unable to fill hole. Set tubing in ret. P/20 BW in form. Pulled tubing, ran Spinner survey, found hole in 5½" casing @ 6563' to 6566'. Pumping test shows casing split. Ran tubing w/ ret. @ 6510'. Pump in 100 Sx. Complete 2:30 A.M. 8-10-58. Tested 5½" casing from surface to 6510' w/ 1800# for 30 minutes. Tested O.K. Drld out ret. @ 6510', tested 5½" csg. from 6510' to 9764' w/ 2000# for 30 Minutes, tested O.K. Drld out ret. to squeeze pers. @ 9774' to 9788' & 9832' to 9844'. Set cement ret. @ 9755', tested casing surface to 9755' w/ 1000# for 30 minutes, Tested O.K. Spotted 50 Sx. cement & ret. failed. Rev out cement & pulled tubing. Squeeze 15 Sx. in form. & rev. out 35 Sx., complete 6:00 P.M. 8-14-58.

Tested Casing & Pulled tubing. Tested 5½" casing & found communication between casing perfs. Acidize casg. perfs 9785' to 9804' & 9832' to 9846' w/ 500 gal. reg. 15% acid. Complete 11:30 A.M. 8-22-58. Squeeze casing perfs. w/100 Sx. Squeeze 75 Sx. in & Rev. out 25 Sx. Pulled 2" tubing & drlg out cement to 9860'. Tested 5½" casing for 30 Minutes, Tested O. K. Drlg out bridge plug. Complete 3:00 A.M. 8-24-58. Ran tubing w/ pkr @ 9872'. Swab 12 hrs., rec. 30 BBLS w/ show of Oil. Acidize pers. 9875' to 9902' w/ 3000 gal reg. 15% acid. Use 50 gal. control flow w/ 50 BBLS. crude ahead of treatment. Complete 7:25 PM 8-2-5-58. Swab 12 hrs., rec. 113 BLO & 10 BW.

On 24 hr. PT 28 BO & 8 BW, 1½" pump 94-11 SPM, GOR 1050, Gravity 41.2. Complete 4:00 P.M. 9-2-58.