

ELKAN #3
Workover

- 04/08/96: Rig up pulling unit (Tatum Well Service). Pull on rods. Rods are stuck (tubing is parted). Work polish rod out and lay down. Work rods to 42,000 (22,000 over). Pick up on tubing with rods stacked out, 20,000 weight. (Tubing is parted about 3000'). Work tubing and rods to 60,000, then 70,000 and 80,000 and unseated pump. Trip out of hole with 77 triples of rods. Lay down remaining rods and pump. Trip out of hole with 84 joints tubing. Left collars looking up (probably split). (2670'). Shut down.
- 04/09/96: Trip in hole with 5 3/4 overshot (3 3/4 basket grapple), x-over, bumper sub, x-over and tubing. Caught fish. Release tubing anchor. Trip out of hole with tubing (lay down top 111 joints, stand back 94 stands, layed down anchor, 7 joints, perf sub, S.N. and mud anchor). Rig up Computalog. Run gauge ring on wireline. Set down at 200'. Run casing scrapper on tubing to 100' (heavy scale, iron sulfide). Rig down Computalog. Shut down.
- 04/10/96; Rig up reverse unit (Lea Fishing Tool). Trip in hole with 6 1/8 bit, casing scrapper, x-over and tubing. Work each joint twice while pumping water down backside. Pick up and ran 21 joints (670'). Lay down swivel. Trip in hole with tubing from derrick. Pick up 90 joints tubing off ground. TD 9550'. Pumped water while going in hole. Total water used (360 barrels). Trip out of hole with tubing. (Lay down 90 joints, stand back 94 stands, lay down 21 joints). Shut down.
- 04/11/96: Rig up Computalog. Trip in hole and set CIBP at 9490'. Trip in hole with tubing open ended to 6000'. Load casing from 9490 to 6000' with fresh water. Load and circulate with 2% KCL water at 6000'. Trip out of hole with tubing. Ran tie in log from 5750 to 4600'. Perforate 5691 to 5699, 2 shots per foot. Trip out of hole with guns. Trip in hole with bailer times 2 and dump 35' cement on top of CIBP at 9450. Rig down Computalog. Trip in hole with 2 7/8" X 7" TST Packer, S.N. and 175 joints 2 7/8 N-80 tubing. Set packer at 5603 with 25 points. Flange up well head. Rig up to swab. Tag fluid at 500' from surface. Made 3 runs, recovered 10 barrels water. Left fluid at 2600' on last run. Shut in and shut down.
- 04/12/96: TP 0, blow on tubing. Rig up to swab. Tag fluid at 2000' from surface. Made 4 swab runs and swabbed dry. Recovered 22 barrels water. Gas in front and with runs. Shut down one hour. Made swab run, no entry. Rig down Swab. Rig up Newsco and acidize with 1000 gallons 7½% NeFe with 25 ball sealers. Break down 3400#. Acid on 2600#, average rate 3 BPM, average pressure 2525, ISIP 2050, 15 minute 1850#. Load to recover 59 barrels. Rig down Newsco. Blew well down. Flowed 5 barrels. Rig up to swab. Fluid at surface. Made 6 swab runs and swabbed dry. Recovered 41 barrels. Shut down one hour. Make swab run. 460' fluid in hole. Shut in and shut down.

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- 04/15/96: 63 hour SITP 20#. Blew down, did not burn. Rig up to swab. Tag fluid at 1700' from surface. Made three swab runs and recovered 20 barrels acid water. Swabbed dry, shut down one hour. Made swab run, very little fluid. Gas on end of run. Release packer. Trip out of hole with tubing. Trip in hole with RBP, seating tool, S.N. and 175 joints tubing. Set RBP at 5595. Trip out of hole with tubing. Shut down.
- 04/16/96: Rig up Computalog. Trip in hole and tie in. Perforate 5229 to 5230, 5155 to 5160, 2 shots per foot (16 holes). Lay down 17 joints. Trip in hole with retrieving tool, 7" TST packer, S.N. and 158 joints 2 7/8, N-80 tubing. Set packer at 5065 with 22 points. Rig up to swab. Tag fluid at 700' from surface. Made 3 swab runs and swabbed dry. Recovered 26 barrels of water, show of gas. Shut down one hour. Make swab run, no entry. Rig up Halliburton. Acidize with 1500 gallons 7½% NeFe. Break down 3560 maximum pressure 4700 (ball out), average rate with acid on 3.9 BPM. Average pressure with acid on 2600#. Load to recover 73 barrels ISIP 2048, 15 minutes 1949. Rig down Halliburton. Flow back 2 bbls. Rig up to swab. Made 5 swab runs and swabbed dry. Recovered 55 barrels water and acid water. Shut in and shut down.
- 04/17/96: TP 60, acid gas. Blew down. Rig up to swab. Tag fluid at 2700' from surface. Made 2 swab runs and swabbed dry. Recovered 13 barrels acid water. Shut down one hour and make swab run. 800' of entry, gas on this run. Recovered 4 barrels water and acid water, no oil. Shut down one hour and make swab run. 800' of entry. Recovered 4 barrels water, acid water, no oil. Shut down one hour and make swab run 500' of entry. Recovered 2 barrels acid water and water. Shut down 2 hours and make swab run, 800' of entry. Very little gas. Shut down and shut in. Took sample to Halliburton. Spent acid water and formation water mix.
- 04/18/96: TP 40, blew down. Light burn. Rig up to swab. Tag fluid at 2200' from surface. Made 2 swab runs and swabbed dry. Recovered 15 barrels water. Shut down 45 minutes, 500' of entry. Gas in front of run. Recovered 2 barrels. Shut down one hour and make swab run, 400' of entry. Recovered one barrel water. Total fluid recovered since acid job 91 barrels. No oil, show of gas. Release packer. Trip in hole with tubing and catch and release BP. Trip out of hole with tubing, packer and RBP. Trip in hole with bull plug, S.N. and 220 joints 2 3/8, N-80 tubing. Left swinging at 7000'. Flange up well head.
- 04/19/96: Trip in hole with rods from derrick. Trip out of hole laying down rods. Rig down Pulling Unit.