

Humble Oil & Refining Company

New Mexico State BP Well No. 1

HOBBS OFFICE O. C. C.

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8696, 8705, 8734, 8760, 8777, 8784, 8808, 8826, 8831, 8845, 8848, 8868, 8875 and 8882 with 100 sacks regular neat cement. Reversed out 7 sacks of cement. Spotted 500 gals of 15% maximum inhibited acid on bottom. Perforated 4-1/2" casing at 8478, 8483, 8489, 8497, 8500, 8511, 8514, and 8520 with one radio active jet shot per depth, selective fired. Ran Tubing and packer. Packer set at 7500. Acidized perforations 8478-8520 with the above mentioned 500 gals of acid with an average injection rate of 1.5 BPM. Max. press. 1500#. Min. press. 1100#. Job by the Western Company. Lower tubing and reset packer at 8444. Swabbed well dry. Acidized perforations 8478-8520 with 2,500 gals of 15% N. E. acid with an average injection rate of 2.1 BPM. Max. press. 1700#. Min. press. 1500#. Job by the Western Company. Swabbed. Unseated packer and layed down 4 joints of tubing. Reset packer. Ran tracer survey. Survey showed that all the slug and fluid was going into perforation 8520 and going down to about 8550. Pulled tubing and packer. Reran tubing with seating nipple, tubing anchor, perforated sub, one joint of tail pipe and a bull plug. Seating nipple set at 6008. Waited on portable pumping unit for 14 days. Placed well on pumping test. Pumped for 18 days and then shut-in well for 4 days. Pulled tubing. Set CI retainer by wire line at 8460. Reran tubing. Squeezed perforations 8478-8520 with 100 sacks Incor cement. Spotted 250 gals of regular 15% acid on bottom. Perforated 4-1/2" casing at 8439, 8441, 8443, 8445, 8447 and 8449 with one radio active jet shot per depth, selective fired. Ran tubing and packer. Acidized perforations 8439-8449 with the above mentioned 250 gals of acid with an average injection rate of 3.5 GPM. Max. press. 1500#. Min. press. 700#. Job by Halliburton. Unseated packer and ran additional tubing. Set packer. Swabbed. Acidized perforations 8439-8449 with 1,000 gals CRA 15% acid with an average injection rate of 10 GPM. Max. press. 1500#. Min. press. 1350#. Job by Halliburton. Swabbed for 3 days. Unseated packer. Pulled 4 joints of tubing. Reset packer. Ran tracer survey. Found Communications between inside and outside of casing through perforation 8449. Set cement retainer at 8425 by wire line. Reran tubing. Squeezed perforations 8439-8449 with 100 sacks Incor Neat cement with 6/10 of 1% of Halad. Reversed out 65 sacks cement. Spotted 250 gals of regular 15% acid on bottom. Perforated 4-1/2" casing at 8390, 8391, 8392, 8393, 8395, 8396, and 8397 with one radio active jet shot per depth, selective fired. Set packer above perforations. Acidized perforations 8390-8397 with the above mentioned 250 gals of acid with an average injection rate of 35 GPM. Max. press. 1400#. Min. press. 0#. Job by Halliburton. Unseated packer. Ran additional tubing. Reset packer. Swabbed well for 2 days. Shut-in well one day. Pulled tubing. Ran tubing, rods and pump. Tested for 28 days. Pulled tubing, rods, pump and packer. Reran tubing with BJ packer. Set packer at 8215. Attempted to squeeze perforations 8390-8397. Could not get cement into perforations. Acidized perforations 8390-8397 with 500 gals of 15% DS-30 acid and 200 gals PPA acid with an average injection rate of .4 BPM. Max. press. 1500#. Min. press. 700#. Job by the Western Company. Swabbed well for two days. Acidized perforations 8390-8397 with 3,000 gals of 15% DS-30 acid with an average injection rate of 2.8 BPM. Max. press. 4500#. Min. press. 3100#. Flushed with 34 barrels of water. Job by the Western Company. Swabbed well for 2 days. Pulled tubing. Unseated packer. Reran pump, rods and tubing. Placed well on pumping test. Tested for 13 days. Shut-in well 5 days to repair motor. Placed well back on pumping test. Tested well for 15 days. Well recompleted as a pumping oil well through perforations 8390, 8391, 8392, 8393, 8395, 8396 and 8397.