

Yates Petroleum - Barbee "LL" #1 (Unit ?) 18-14S-36E Lea Co., NM

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9-5-95 Moving in service unit to repair casing.

9-6-95 Moved in and rigged up pulling unit. Dig working pit. Bled pressure off well. TIH with gauge ring, 1-1/2" chisel, 1-1/2" bailer - could not get past 10,980' with any wireline tools. Retrieved small pieces of rock in bailer. Cut bolts and nuts off wellhead. Pulled 72,000# to unflange wellhead. Nipped down wellhead and installed BOP. Shut down. Will try to get off of on/off tool in AM. DC \$5799

9-6-95 Worked tubing. Could not get off on/off tool or unset packer. Appears to have fill on top of packer. Shut down to discuss options. DC \$1387; CC \$7186

9-8-95 Shut in.

9-9-11-95 Rigged up wireline. TIH with free point tools. Free point 2-3/8" tubing as follows:  
10,348' 100% free  
10,355' 100% free  
10,360' 30% free  
10,375' 20% free  
10,387' 1% free  
TOH with free point tools. TIH with chemical cutters. Cut 2-3/8" tubing off at 10,000'. TOH with cutters and rigged down wireline. Set up pipe racks and catwalk. TOH with lay down 10,000' of 2-3/8" tubing. Inside of tubing threads started showing corrosion at 3600'. Found +/- 1/2" hole in tubing at 6100'. Removed old tubing from location and unloaded new 2-3/8" N-80 tubing. Prep to run gauge ring and pipe analysis log. DC \$4279

9-12-95 Rigged up wireline. TIH with gauge ring to 9950'. TOH with gauge ring. TIH with logging tools. Ran pipe analysis log from surface to 9970'. TOH with logging tools. Start in hole with RBP, packer and 2-3/8" N-80 tubing. Shut down. Prep to evaluate logs. DC \$8148

9-13-95 TIH with RBP, packer and 2-3/8" tubing. Set RBP at 9980' and test to 2000 psi. Pulled with packer and test casing from 8781-9980'. Tested to 1000 psi. Pulled up and tested casing to 1000 psi from 6021' to 9980'. Pulled up and test casing from 5770' to 6021'. Pumping 2 BPM at 200 psi. Tested casing to 1000 psi from 5770' to surface. Drop down and spot 2 sacks of sand on top of RBP at 9980'. TOH with 2-3/8" tubing and packer. Rig up wireline. TIH and set cement retainer at 5700'. TOH with wireline and rig down wireline. TIH with 2-3/8" tubing. Sting into retainer at 5700'. Establish inj rate of 2 BPM at 175 psi. Sting out of retainer. Pulling out of retainer felt sticky. Circ small amount of rust and sand off top of retainer. Sting back into retainer. Could not pump thru retainer. TOH with 2-3/8" tubing. Prep to run slick stinger to open valve in retainer and cement. DC \$5477; CC \$25,090

9-14-95 TIH with slick stinger and 2-3/8" tubing. Sting into retainer at 5700' to permanently open retainer. Sting out of retainer and pump 2% KCL water down 4-1/2" x 2-3/8" annulus and thru retainer at 2 BPM, 300#. Broke circulation out of 8-5/8" x 4-1/2" annulus. Full returns. Pumped 80 bbls of 2% KCL water. TOH with 2-3/8" tubing and slick stinger. TIH with cement retainer. Correlate into place and set tainer at 5680'. TOH with setting tool and rig down wireline. TIH with 2-3/8" tubing. Sting into retainer at 5680'. Pressure 4-1/2" x 2-3/8" annulus to 800 psi. Establish injection rate down 2-3/8" tubing of 3 BPM at 800 psi. Mix and pump 650 sxs Super C modified cement. Had full returns out of 8-5/8" x 4-1/2" annulus throughout job. With 5 bbls of displacement, closed in 8-5/8" x 4-1/2" annulus and walked pressure up from 300 psi to 950 psi. Sting out of retainer and reverse hole clean. TOH with 2-3/8" tubing. Shut down. WOC. DC \$12,390; CC \$37,480

9-15-95 WOC. Prep to drill out.

9-16-18-95 TIH with 3-3/4" bit and drill collars. Drilled cement retainer at 5680', 5700'. TOH, change bit. TIH. Drilled cement. Fell out at 5850'. TIH to 6020'. Tested casing to 800 psi. Lost 200 psi in 15 mins. Tested 3 times with test isolated to downhole only. Pulled up to 5600'. Shut in. Prep to clean out. DC \$5308

9-19-95 TOH with 2-3/8" tubing, collar and bit. TIH with retrieving tool and 2-3/8" tubing. Reverse sand off of RBP at 9980'. Unset RBP and TOH with 2-3/8" tubing and RBP. TIH with sealed lead tubing patch and 2-3/8" tubing to tubing at 10,000'. Reverse annulus with 110 bbls 2% KCL water with corrosion inhibitor. Latch onto tubing at 10,000'. Removed BOP and nipped up wellhead. Pressure annulus to 400 psi to test tubing tie in - no leaks. Shut down. Prep to clean out 2-3/8" tubing with coiled tubing. DC \$4540

9-20-95 Rigged up coiled tubing unit. Had mechanical problems with N2 pump. Prep to TIH with 1-1/4" coiled tubing and clean out 2-3/8" tubing. DC \$760

9-21-95 TIH with HydroHammer on 1-1/4" coiled tubing. Tag plug at 10,993'. Pumped N2 foam and worked HydroHammer. Made 2' in 2-1/2 hours. TOH with coiled tubing and HydroHammer. TIH with Hydrojet and 1-1/4" coiled tubing. Tag plug at 10,995'. Pumped N2 foam and worked Hydrojet thru bridges to Vann guns at 13,357'. Blow 2-3/8" tubing dry with N2. TOH with coiled tubing and Hydrojet.