

Phillips Petroleum Company  
Guadalupe Well No. 1  
SW SE Section 20, T 22 S, R 25 E  
Eddy County

Subsequent Report of Clean Out and Test Work:

Moved in SHK drilling rig. Cleaned out cement plugs in casing and cleaned out hole to top of cement at 10610. Drilled 10' of solid cement to 10620.

Set 5-1/2" casing at 10620' and cemented with 727 sx Incoor 10% Diacel "D", (727 sx Incoor, 13 sx DD), followed by 100 sx slosset neat. Pumped plug to 10585, maximum pressure 2000#. Ran Coleman temperature survey. Found top of cement at 7000'.

Moved out rotary equipment, moved in well service unit.

Checked PBTD at 10556'. Perforated casing in Penn Formation, Morrow Sand, 10386-10400 and 10418-10434 with 4 holes per foot, total 120 holes. Set 2-3/8" tubing at 10434. Swabbed and tested this zone natural. On 13 hour swab test recovered 35 barrels formation water and small amount of gas, too small to measure. Acidized this zone with 500 gallons mud acid. Swabbed 7 hours, recovered flush and acid water and 30 barrels formation water. Gas too small to measure.

Set Halliburton DC cement retainer at 10250'. Squeezed off above perforations with 150 sx slosset cement, pressured into formation 60 sx, reversed out 65 sx, leaving 25 sx in casing. Maximum pressure 4600#.

Perforated casing in Penn Formation, Morrow Sand, 10157-10170 with 4 holes per foot, total 52 jet holes. Checked top of cement and PBTD, at 10217. Set 2-3/8" tubing at 10207. Swabbed this zone natural, on 12 hour swab test recovered 150 barrels salt water, small amount of gas, too small to measure. Set Halliburton DC cement retainer at 9900. Cement squeezed perforations with 125 sx slosset cement, pressured into formation 80 sx, reversed out 15 sx leaving 30 sx in casing. Checked top of cement and PBTD at 9878'.

Perforated casing in Penn Formation, Bond zone, at 9812-9823 with 4 holes per foot, total 44 jet holes. Set 2" tubing at 9845. Swabbed this zone natural with no recovery. Acidized this zone with 500 gallons regular 15%. Swabbed this zone 13 hours, recovered flush and acid water. Swabbed dry. Small show of gas. Acidized this zone with 5000 gallons regular 15%. Swabbed and recovered flush and acid water. Small amount of gas, too small to measure.

Set Baker cast iron bridge plug at 9475. Dumped 1 sx regular cement on plug. Top of cement at 9465.

Perforated casing in Lower Strawn Line 9380-9390 and 9406-9430 with 4 holes per foot, total 136 jet holes. Set 2-3/8" tubing at 9445. Acidized this zone in two stages, 500 gallons and 3000 gallons. Recovered flush and acid water. Gas tested at rate of 30.7 mcf per day, flowing pressure 21#. Fraced this zone with 1000 gallons acid and 10,000 gallons Dolofrac with 1# sand per gallon. After frac job gas flowed at rate of 177.7 mcf per day, flowing pressure 6#.