

DETAILS to be attached to USGS Form 9-331 concerning:

Santa Fe 077092

SW/4 Section 12 - 29-N - 10-W

San Juan County, New Mexico.

Operator: La Plata Gathering System, Inc.

Well: Huck 2-12

Field: Basin Dakota

July 2, 1964: Ran Welox Guard and G-Sonic Logs. Found TD @ 6859'. Ran 215 joints 4 1/2" 10.50 & 10.60 J-55 casing & landed at 6859'. FRTD 6854'. Ran Baker TC collar @ 2426'. Cemented lower stage with 190 sacks 40% ~~WELAX~~ B 2/ 1 1/2 TIC & 12.5# per sack Gilsomite followed by 160 sacks Grade A 50-50 Foxmix 2/1 1/2 TIC.

Stage 2: Cemented with 50 sacks Grade A 50-50 Foxmix. Tested casing to 2500 psi. WOC at 10:45 PM 7-1/64.

July 11, 1964: Rigged up completion rig. Ran FOAC G/ccl log - found ~~WELAX~~ at 6806'. (Pipe measure at 6624'.) Have 18' cement on top of float collar. Perforated Morrison 6783-88 with 4 3 1/8" SDJF/ft. Ran tubing with Baker Retrievable packer & stimulation valve. Opened valve and had no blow. Acidized with 250 gallons Western Spearhead acid. Broke formation at 3800 psi and pumped acid away at 1BPM.

July 12, 1964. Slabbed tubing down. Had light blow of gas from Morrison. No water. Pressure tested casing to 3500 psi. Drop of 175 psi in 5 minutes. Had air in system. Test OK. Set Baker Cast Iron B. P. with top at 6773 (6771 Welox measure). Perforated with 2 SDJF 6697-6702, 6708-11, 6723-26, 6738-41. Western Co. Fracing. Fraced Stage No. 1: Broke formation @ 1900#. Fraced with 33,684 gallons. Treated water and 30,000# 20-40 sand. Water - 7#/1000 J-2, 30#/1000 F-4, 1 1/2 CaCl₂. No ball sealers run. Overflush 10 barrels.

Set Baker T/drillable ng. B. P. @ 6688 (6686 Welox) under 200 psig. Pressure tested to 3500 psig. OK. Perforated with 4 SDJF 6660-64, 6640-44. Fluid level fell after 1st gun. No communications. Frac stage No. 2: Formation did not break. Rumped in with one pump @ 1000#. Fraced with 54,554 gallons water treated same as stage 1 & 40,000# 20-40 sand followed by 1500# 12-20 glass beads. No ball sealers run.

Went in with Baker T/drillable ng. BP under 400 psi @ 6618 (6616 Welox). Pressure tested to 3600 psig OK. Perforated with 4 SDJF 6566-72. Frac stage 3: (No communication on perfs). Frac with 34,000 gallons water treated same as stage 1 & 20,000 # 20-40 sand followed by 500# 12-20 glass beads - No ball sealers run.

July 13, 1964. Cleaned out to FRTD @ 6771. Ran 210 joints 2" ~~WELAX~~ 8 R J-55 6536' and landed at 6547'. Ran X pin collar 30' above bottom. B. U. Wellhead. Slabbed four hours and well kicked off.

July 15, 1964 - Shut well in to await potential test and pipe line connection at 4:00 P.M.

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