Well History of San Juan 28-4 Unit #3.

After setting 7" casing at 6031' and a 5" line/at 6428', a total depth of 6619' was reached. The natural gage was too small to measure. Due to the wetness of the formation it was impossible to shoot the well with S.N.G.

On October 26, 1953 set Lane Wells bridging plug at 4400'. Dumped 10 sacks regular cement on top of plug. Top of cement at 4363'. Perforated with bullets, 3 shots per foot, from 4065' to 4125' and from 4135' to 4300'. A slight show of gas was obtained.

On October 28, 1953 set Howco D.M. packer at 4011' and squeezed 250 sacks regular cement into formation through the perforations; however, a job was not obtained. A Lane-Wells Log was run and it was decided to squeeze the perforations from 4200' - 4300'; however, shortly after this (11-1-53) the well gaged 1250 MCF. On 11-2-53 set 4.7# EUE tubing at 4305' to get a production test.

On November 8, 1953 killed well with water and on the second attempt obtained a successful squeeze job on perforations 4200' - 4300'. The maximum pressure obtained was 2200#. On Novermber 13, 1953 the following zones were perforated; 4150' - 4180', 4107' - 4120', and 4065' - 4091'. The well gaged 155 MCF and was wet.

On November 19, 1953 the operation of this well was turned over to Phillips Petroleum Company and following is a summary of work accomplished:

On Novermber 27, 1953 perforated casing 4274' - 4222', gaged 396 MCF and 7 barrels of water per hour. On December 1, 1953 set Howco D.M. retainer at 4176' to squeeze off perforations (4274' - 4222'); however, it was then realized that the perforations from 4076' - 4176' had nerer been squeezed off. After 5 stages, a squeeze job was obtained (12-6-53). The job was tested with 4500# and held o.k. On 12-15-53 perforated 4283' - 4315'. On 12-16-53 set Howco H.M. packer at 4260' and 2000 gallons of Dowell Super Mud Acid was used to acidize the interval 4283' to 4315'. 16 hours of swabbing produced only acid water. On December 21, 1953 the following zones were perforated: 4206' - 4190', 4160' - 4150', 4120' - 4065'.

On December 21, 1953, perforations from 4190' - 4206' were acidized with 1000 gallons Dowell Super Mud Acid, perforations from 4150' - 4160' were acidized with 1000 gallons Dowell Super Mud Acid, and perforations from 4065' - 4120' were acidized with 2000 gallons Dowell Super Mud Acid. On December 27, 1953 well tested 88 MCF. After blowing 1 hour,On December 28, 1953,7" casing was perforated from 4065' to 4046' with 3 jet shots per foot. The well tested 139 MCF through a 2" opening, after blowing fifteen minutes. On December 29, 1953, 2" tubing was run and set at 4323' and the well was shut in.