

Humble Oil & Refining Company, Box 2517, Hobbs, New Mexico

MAY 29 1961

Abo Chalk Bluff Draw Unit, Well #21, 1592' fr South line and 2302' fr West line
 Sec 4, T-18-S, R-27-E, Empire Abo Pool, Eddy County, New Mexico. ARTESIAN OFFICE

Perforated 4½" csg from 5480 to 5506' w/2 shots per ft. Acidized perforations w/3000 gal acid, avg inj rate 3.3 BPM. On 5 hr swab test recovered 24 bbls acid water, swabbed dry. Acidized w/6000 gal acid, avg inj rate 6.3 BPM. On 6 hr swab test rec 12 bbls acid water. Pulled 2" tbg and set Baker CI Plug at 5455'. Had communication around retainer. Pulled tubing and set Baker CI Retainer at 5435'. Squeezed perf from 5480-5506' w/100 sx cmt. Perf 4½" csg from 5338-5345, 5370-5375, 5400-5408' w/2 shots per ft. Acidized perforations w/3000 gal acid, avg inj rate 6 BPM. Swabbed 16 hrs, rec 85 bbls acid water. Set retrievable bridge plug at 5415', set packer at 5390', had communication around perf 5370-5375, 5400-5408. Set packer at 5359' had communication between 5370-5375, 5338-5345'. Acidized perf from 5338-5345, 5370-5375, 5400-5408' w/7,500 gal acid, avg inj rate 6.2 BPM. Swabbed 26 hrs, rec 107 bbls acid water. Set Baker Model "K" Cmt retainer at 5333', cemented perf from 5338-5345, 5370-5375, 5400-5408' w/100 sx cmt. Perf 4½" csg from 5290-5308, 5314-5326, w/2 shots per ft. Acidized perf from 5290-5308, 5314-5326' w/5000 gal acid, avg inj rate 6.3 BPM. Swabbed 26 hrs, rec 76 bbls acid water. Frac perf from 5290-5308, 5314-5326, w/75,000 gal fresh water containing 3750# F-4 & 75 gal LT-15 and 36,500# 20-40 sand, avg inj rate 35.3 BPM. Flowed 230 bbls water, swabbed 19 hrs rec 304 bbls water. Ran rods and placed well on pump, rec 172 bbls fresh water and 170 bbls salt water with slight show of oil. Preparing to Plug & abandon.