

Report of Acidizing Laughlin No. 2

Oil Pay

Record of Acidizing

On 9-9-53 acidized w/500 gal. Cardinal mud acid thru perforations 5675'-5692'.

On 9-9-53 acidized w/1000 gal reg. 15% acid thru perforations 5675'-5692'.

On 9-10-53 acidized w/2500 gal reg 15% acid thru perforations 5675'-5692'.

On 9-11-53 acidized w/2000 gal reg 15% Cardinal Chemical thru perforations 5700-5712'.

On 9-17-53 acidized w/3000 gal of Dowell reg. 15% acid thru perforation 5165-5180' and 5190'-5215'.

On 9-22-53 acidized w/500 gal Dowell mud acid thru perforations 5190'-5198'.

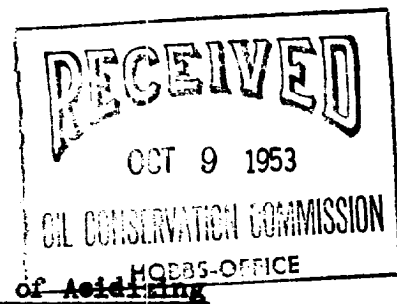
On 9-22-53 acidized w/1000 gal 15% lo-tension acid thru perforations 5190'-5198'.

On 9-23-53 acidized w/2000 gal 15% lo-tension acid thru perforations 5197'-5201' and 5190'-5198'.

On 9-24-53 acidized w/3500 gal 15% lo-tension acid thru perforation 5190'-5215'.

Gas Pay

On 9-27-53 acidized w/3000 gal reg 15% lo-tension acid thru perforations 3207'-3355'.



Result of Acidizing

After acidizing with w/500 gal mud acid, swabbed tbg dry in 2 hrs. Had very slight show of oil.

After acidizing w/1000 gal 15% acid, swabbed 22½ bbls water flush and est. 50% of acid to pit, swabbed dry in 2 hrs very slight rainbow show at end.

After acidizing w/2500 gal reg 15% acid, swabbed 22½ bbls water flush & approx. 50% of acid to pit, swabbed dry in 2 hrs.

After acidizing w/2000 gal reg. 15% acid, swabbed 22½ bbls water flush & approx. 90% of acid. Rec. est. 2 bbls oil.

After acidizing w/3000 gal of Dowell reg. 15% acid, swabbed 21 bbl. tbg. load and 71 bbl acid. Swabbed 20 bbls per hr 18% oil.

After acidizing w/500 gal Dowell mud acid, fluid broke around packer, raised packer & reset. Swabbed 1/2 bbl fluid, 40% oil.

After acidizing w/1000 gal 15% lo-tension acid, swabbed tbg. load and 50% of acid, started making oil, turned to battery. In first 3 hrs, swabbed 6.6 bbls oil and 4.5 bbls acid water.

After acidizing w/2000 gal of 15% lo-tension acid, swabbed 9 hrs, rec. tbg load and most of acid plus 14 bbls new oil.

After acidizing w/3500 gal 15% lo-tension acid, swabbed 16 1/2 hrs. rec. tbg and acid load plus 89.1 bbl new oil.

After acidizing w/3000 gal of 15% lo-tension acid, swabbed tbg load and 25% acid, well kicked off, flowed 2 hrs to pits to clean up, turned to battery. In 6 hrs gas rate increased from 3300 MCF/day to 3800 MCF/day.