

Subsequent Report of Hydrafrac & Acidfrac, Keely C-34 Oct. 21, 1954

RECORD OF RECOMPLETION (Cont'd).

of flush 2500 psig, dropping to 1500 psig on stopping pump. Total inj. time 29 min. Load oil to rec. 283 bbls.

RESULTS OF TREATMENT:

- 9-26-54 After shut in 24 hrs, opened with 900 psig on tubing.
- 9-27-54 Flowed 71 bbls. in 20 hrs.
- 9-28-54 Flowed 167 bbls. in 24 hrs.
- 9-29-54 Flowed 66 Bbls. (NET 21 BO).
- 9-30-54 Flowed 49 BO. Pulled hydraulic anchor & anchor packer loose, dumping 90 BO from annulus. Pulled 4 jts. 2-1/2" EUE, setting straddle packer from 2561 to 2608. Swbd. dry.

ACIDFRAC TREATMENT:

- 10- 1-54 Ran swab & rec. 40' oil from tubing. Treated with 500 gals. 20% HCl. Max. inj. press. 2100 psig, breaking immediately to a vacuum. Flushed with 9 BO. Swbd. oil flush & acid water.
- 10- 2-54 After standing 14 hrs, swbd. 4-1/2 BO. Fractured with 500 gals. MCA; 1,000 gals. acidfrac containing 1-1/2 lbs. sand per gal; 1,000 gals. with 2 lbs; 1,000 gals with 2-1/2 lbs; then 500 gals MCA. Flushed with 75 BO (60 bbls. over-flush). Max. inj. press. 3500 psig; at end of flush 2500 psig, dropping to 1200 psig immediately upon stopping pump. Total inj. time 22 min. Load oil to redover 75 bbls. Swbd. acid water & load oil. Swbd. dry.

RESULTS OF TREATMENT:

- 10- 3-54 After setting 16 hrs, swbd. 26 BO.
- 10- 4-54 Swbd. 17 BO in 3 hrs. Pulled packer loose dumping 83 bbls. from annulus. Pulled 2-1/2" EUE, ran 2" EUE.
- 10- 5-54 Cut paraffin, swbd. 16 BO.
- 10- 6-54 Re-ran pumping installation.
- 10- 7-54 Pumped 72 BO in 20 hrs. (NET 43 BO both zones).
- 10- 8-54 Pumped 77 BO in 24 hrs.
- 10- 9-54 Pumped 67 BO.

SUBSEQUENT TESTS:

- 10-15-54 thru
- 10-21-54 Pumped 26 BOPD average.

General American Oil Co. of Texas

Page 10

Subsequent report of hydraulic & solidified, early 1931

RECORD OF THE WORK DONE (Continued)
of flash 2500 gals, dropping to 1500 gals on reaching the bottom
int. time 29 min. Load oil to test 248 gals.

RESULTS OF TREATMENT:

9-28-31 After shut in 24 hrs, appeared with 1000 gals of oil
9-28-31 Flowed 71 gals. in 24 hrs.
9-28-31 Flowed 107 gals. in 24 hrs.
9-28-31 Flowed 66 gals. (WRT 21 80).
9-28-31 Flowed 46 80. Called hydraulic anchor & anchor broken loose.
9-28-31 Flowed 90 80 from annulus. Called 1 1/2 in. 2-1/2 in. 3 in. casing
stretching anchor from 2501 to 2608. Swab. div.

ALL THE RAG TREATMENT:

10-1-31 Ran down a rod. 100' oil from tubing. Treated with 500 gals. of
HCL. Max. int. press. 2100 gals. Working immediately to a pressure
Flashed with 9 80. Swab. oil from a solid water.
10-2-31 After standing in hrs, swab. 11-1/2 in. 2-1/2 in. casing with 500 gals.
HCL. 1,000 gals. solidified containing 1-1/2 lbs. sand per gal. 1,000
gals. with 2 lbs. 1,000 gals. water 2-1/2 lbs. sand per gal. 1,000
Flashed with 75 80 (60 gals. over-flush). Max. int. press. 1500
puls. at end of flash 2500 gals. dropping to 1500 gals. immediately
upon stopping pump. Total int. time 28 min. Load oil to test
75 gals. Load acid water & load oil. Swab. div.

RESULTS OF TREATMENT:

10-3-31 After waiting 10 hrs, swab. 25 80.
10-4-31 Swab. 17 80 in 3 hrs. Called backer loose dumping 87 gals. from
annulus. Called 2-1/2 in. 3 in. casing 24 hrs.
10-5-31 Out partially, swab. 16 80.
10-6-31 Re-run tubing installation.
10-7-31 Pumped 75 80 in 10 hrs. (WRT 18 80 with losses).
10-8-31 Pumped 77 80 in 24 hrs.
10-9-31 Pumped 81 80.

Subsequent report:

10-12-31 10-21-31
Swabed 24 & 122 average.