

## WELL COMPLETION REPORT PRO-18-3

## LOG AND HISTORY

(Sheet #9)

WELL NO. 3

PROPERTY N.M. STATE 1

THE CALIFORNIA COMPANY

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS

| FROM | TO | FEET | FORMATION DRILLED AND CORED   |
|------|----|------|---|
|      |    |      | <p><u>ACID TREATMENT.</u></p> <p>As a result of wide spread acid treatment in the Hobbs Field, it became necessary to treat this well in order to maintain the production of the lease. It was also thought acid treatment would improve the gas-oil ratio.</p> <p>Treatment increased potential from 2578 to 6350 barrels.</p> <p>On March 7, 1934, treated well with 1000 gallons Dowell XX Solution pumped in thru 4175 feet of 3" U.S. tubing, perforated from 4154' to 4165' by Dowell Service, Inc. to treat formations below packer set at 4070'. 2 hours and 45 minutes pumping oil and acid into well.</p> <p>Well had been shut in several days. Blew off gas and reduced tubing pressure from 1200# to 0#. Casing pressure remained 1200#, indicating packer to be holding. Acid was preceded by 30 barrels of oil with tubing pressure varying from 360# to 450# to 30#. Casing pressure remained 1200#.</p> <p>Pressures while pumping 1000 gallons of Dowell XX Solution into tubing were 30# to 315# to 40# on tubing and 1200# on casing.</p> <p>Dowell XX Solution was flushed out of tubing and forced into formation with 40 barrels of oil. Tubing pressure varied from 40# to 330# to 12" vacuum. Casing pressure remained constant at 1200#.</p> <p>Well was shut in, to allow acid to react on formation, until March 10, 1934. On that date well flowed 118 barrels of oil in 16-1/4 hours; 15 minutes thru open 3" tubing and 16 hours thru 11/64" choke. 70 barrels was recoverable oil used in treatment.</p> <p>From March 11, 1934, to March 23, 1934, inclusive, well flowed an average of 73 barrels oil daily, gas-oil ratio 10,850 cu. ft. per barrel, thru 10/64" choke. T.P. 240# C.P. 1200-1210#.</p> <p>On official proration test made March 24, 1934, well flowed at a daily rate of 4,568 barrels of oil and 7,034 M. cu. ft. gas, thru 3" tubing. Because of the packer an actual open flow test could not be made, but the well assigned an open flow potential of 6,850 barrels daily from the curve, which became effective on the proration schedule for April 1-15, 1934.</p> <p>The rated potential before acid treatment as carried on the proration schedule for March 16-31 was 2,578 bbls.</p> |

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WELL NO. 3

NOTES: (1) THE FOLLOWING INFORMATION IS FOR INFORMATION ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

DATE OF RECEIPT: \_\_\_\_\_

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