

LOG AND HISTORY

WELL NO. 4

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 style="text-align: center;"><u>ACID TREATMENT</u></p> <p>The gas-oil ratio of this well was improved by resetting the packer but was gradually increasing. It was believed the ratio might be improved by acid treatment.</p> <p>Average gas-oil ratio during March, 1934, was 2146 cubic feet per barrel, flowing an average of 238 barrels oil daily.</p> <p>On March 30, 1934, formations below the packer set at 4070' were treated with 1000 gallons Dowell X SOLUTION pumped in thru 4170' of 3" C.L. tubing, perforated from 4144' to 4151', by Dowell Service, Inc. It took 4 hours and 5 minutes to pump oil and acid into formations.</p> <p>Opened well thru 3" tubing and reduced tubing pressure from 640% to 0%. Casing pressure remained 1200%, indicating packer to be holding O-K.</p> <p>Pumped in 38 barrels of oil ahead of acid which reduced tubing pressure from 900' to 130%. Casing pressure remained constant at 1200%.</p> <p>Pressure while pumping acid into tubing varied from 130% to 230% to 75% on tubing. Casing pressure remained 1200%.</p> <p>Dowell X Solution was flushed out of tubing and forced into formation with 41 barrels of oil. Tubing pressure dropped from 200% to 18" vacuum. Casing pressure remained constant at 1200%.</p> <p>Well was shut in to allow acid to react on formations until April 2. Then opened on that date it would not flow. Commenced flowing at 2:00 P.M. April 3 and produced 275 barrels of oil; 79 barrels of which was recoverable oil used in treatment.</p> <p>From April 3 to April 12, 1934, inclusive, well produced an average of 311 barrels oil daily, part of time thru 18/64" choke and part time thru 15/64" choke. Average gas-oil ratio 1270 cu. ft. per barrel. T.P. 520% to 640%; C.P. 1200 to 1220%.</p> <p>During the second hour of a 2-hour Company test made April 13, 1934, well flowed at the rate of 2877 barrels of oil and 5900 MCF gas daily thru open 3" tubing. An open flow test could not be made on account of the packer set at 4070'. The above production thru tubing would give an open flow rating of 3850 barrels on the curve compared to the potential rating of 7403 barrels on the proration schedule for April 1-15, 1934.</p>

WT L COMPLETION REPORT PRO-18-3

PROPERTY

NOTE: FORMATION SHOULD BE IN A SHALLOW TROUGH OR DITCH.

T3312

1400E

10