

C. E. Key-Federal

Job complete 10:30 A.M. June 16, 1960. Drld out cement retainer & Latex cement to 11,232'. Tested csg perfs and pumped in same 2 BPM at 800#. Ran 2" tbg and squeezed csg perfs 11,202'-11,234' with 250 sx Reg Incor with 75 sx in retainer failed. Squeezed out same. Squeeze csg perfs w/250 sx Inferno Sloset. Squeezed 125 sx in form. and rev out 125 sx. Max press 7100#. Job complete 5:30 P.M. 6-21-60.

Perforate 5-1/2" O.D. casing at 11,234' with 4-way jet. Set cement ret at 11,183'. Squeeze perfs with 50 sx Trinity Slo-Set at 7200# and rev out 25 sx. Drld out ret & to FBTD 11,214'. Job complete 5:30 P.M. 6-24-60.

Abrasive jet perf 5-1/2" csg with 3 holes at 11,204' using 10,000 gals slick water with 1# sd/gal at 3700#. Rev out sd. Job complete 9:00 P.M. 6-28-60.

Acid casing perfs at 11,204' with 500 gal M.A. Spot acid and inject 2 bbls in form. in 1-3/4 hr at 5000#. Rev out acid. Acidize 2nd stage perfs at 11,204' with 500 gals MCA acid down 2" tbg at 5000#. Injected 5 bbls in form. Acidize 3rd stage with 500 gals MCA down 2" tbg. at 1/2 BPM. Install pump equipment and test.

On 24 Hr PT well pumped 16 BO and 10 BW ending 4:00 P.M., August 2, 1960.

Gravity - 60.0

GOR - 2250

Top and Bottom of Pay - 11,204'

NMOCC date - February 21, 1960

TEXACO Inc. date - August 2, 1960