

TEXACO-Cities-Service-State Well No. 1

Spudded 15" Hole 8:00 A. M. May 8, 1964. Ran 836' of 11 3/4" O. D. Casing and cemented at 906' with 500 Sx. Class "C" 4% gel, plus 200 Sx. Class "C" neat with 2% CACL, Cement Circulated. Plug at 880'. Tested before and after drilling plug for 30 minutes with 600 P. S. I. Tested O. K. Job complete 1:00 A. M. May 11, 1964.

Ran 3861' of 8 5/8" O. D. Casing and cemented at 3880' with DV Collar at 2724', first stage with 300 Sx. Class "C" 12% gel, plus 150 Sx. Class "C" neat. Cement second stage with 200 Sx. Class "C" 12% gel, plus 100 Sx. Class "C" neat. Tested before and after drilling plug for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 1:30 A. M. May 19, 1964.

Lusk (Strawn Zone): Ran 12,978' of 2 7/8" C. D. Casing and cemented at 12,995' with 6' sub at 12,240', plug at 12,964'.

Lusk (Morrow Zone): Ran 12,973' of 2 7/8" C. D. Casing and cemented at 12,987' with 8' sub at 11,185', plug at 12,956'.

Cement above strings with 500 Sx. Class "C" 8% gel with FRA, plus 1200 Sx. Class "C" 8% gel, and 800 Sx. Class "C" 4% gel. Retarder in all cement. Spot 500 gals acetic acid in each string. Tested 2 7/8" Casing for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 1:30 P. M. July 13, 1964.

Lusk Morrow Zone: Perforate 2 7/8" Casing with one jet shot per foot from 12,332' to 12,336', and 12,378' to 12,388'. Swab well three hours. On 24 Hour Potential Test well flowed through 24/64" choke, ending 7:00 A. M. July 16, 1964, 2.2 MMCF, and 25 BBLs Distillate.

Gravity - 59

Top of Pay - 12,332'

Btm of Pay - 12,388'

NMOCC Date - July 9, 1964.

TEXACO Inc. Date - July 16, 1964.

Lusk Strawn Zone: Perforate 2 7/8" O. D. Casing with one jet shot per foot from 11,302' to 11,312', and 11,323' to 11,343'. Acidize with 500 gals acetic acid. Swab well. Re-acidize with 1000 gals 15% LSTNE in two stages with 10 ball sealers between stages. Swab well.

On 24 Hour Potential Test ending 7:00 A. M. July 22, 1964, well flowed through 27/64" choke, 363 BO and 4 BBLs Water.

GOR - 2196

GRAVITY - 46

Top of Pay - 11,302'

Btm Of Pay - 11,343'

NMOCC Date - July 9, 1964.

TEXACO Inc. Date - July 22, 1964.