

H. H. Harris Well Number 2

Spudded 17 $\frac{1}{2}$ " Hole at 3:00 P. M. August 17, 1964. Ran 504' of 13 3/8" O. D. Casing and cemented at 519' with 500 Sx. regular neat with 2% CACL. Plug at 479'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 600 P. S. I. Tested O. K. Job complete 3:15 A. M. August 19, 1964.

Ran 4618' of 8 5/8" O. D. Casing and cemented at 4630' with 450 Sx. Incor 8% gel and 150 Sx. Incor neat. Plug at 4590'. Tested 8 5/8" O. D. Casing for 30 minutes before and after drilling plug with 1000 P. S. I. Tested O. K. Job complete 4:00 A. M. August 27, 1964.

D. S. T. No. 1, from 9445' to 9475', tool open one hour with weak blow through out test. Recovered 90' SOCDM, with light trace of gas in bottom 1000' of DP. 1 Hr ISIP-672, 1 Hr FSIP-874, IF-45, FF-67, HPI-4459, HPO-4459, Job complete 2:00 P. M. Sept. 19, 1964.

D. S. T. No. 2, from 11,735' to 11,820', tool open one hour with few bubbles, recovered 2750' of water blanket, SO&GCM, 564' of gas in DP, and 10' free oil. 30 Min. - ISIP-4156, 60 Min. - FSIP-4176, IFP-1245, FFP-1271, HPI-5594, HPO-5594, Job complete 5:00 P. M. October 7, 1964.

D. S. T. No. 3, from 11,820' to 11,850', tool open one & half hours with weak blow and died in 5 minutes. Recovered 1850' of water blanket and 35' DM. with trace of oil. 30 Min. ISIP-4219, 30 Min. FSIP-4219, IFP-1018, FFP-1039, HPI-5893, HPO-5893, Job complete 3:30 P. M. October 9, 1964.

Bronco Siluro Devonian Zone: Ran 11,839' of 3 1/2" O. D. Casing and cemented at 11,847', plug at 11,840'.

Bronco Wolfcamp Zone: Ran 11,833' of 2 7/8" O. D. Casing and cemented at 11,846', plug at 11,803'.

Cemented above strings of casing with 650 Sx. Lite Wate, plus 550 Sx. Incor 4% gel. Pump plugs down with 500 gals acetic acid in each string. Tested above strings for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 11:30 A. M. October 15, 1964.

Bronco Siluro Devonian Zone: Perforate 3 1/2" Casing with one jet shot at 11,827', 11,829', and 11,831'. Acidize with 500 gals acetic acid. Swab well. Re-acidize with 500 gals 15% NE acid. Swab well. Re-acidize with 2000 gals 15% NE acid.

On 24 Hour Potential Test well flowed through 3/4" choke, ending 6:00 A. M. October 24, 1964, 208 BBL Oil, and 4 BBL Water.

GOR - 238

GRAVITY - 48

TOP OF PAY - 11,827'

BTM OF PAY - 11,831'

NMOCC DATE - October 8, 1964.

TEXACO Inc. DATE - October 24, 1964.

Bronco Wolfcamp Zone: Perforate 2 7/8" Casing with one jet shot at 9008', 9016', 9024', 9031', and 9035'. Acidize with 500 gals acetic acid. Swab well. Re-acidize with 1000 gals 15% NE acid in two stages with three ball sealers between stages. Swab well. Re-acidize with 4000 gals retarded acid in five stages with one ball sealer between stages. Swab well. Frac with 12000 gals Dolofrac in two stages with two ball sealers between stages.

On 24 Hour Potential test well swabbed 65 BBL Oil, and 67 BBL Water, ending 6:00 A. M. October 28, 1964.

GOR - 100

GRAVITY - 39

TOP OF PAY - 9008'

BTM OF PAY - 9035'

NMOCC DATE - October 8, 1964.

TEXACO Inc. DATE - October 28, 1964.