

Berry Unit Well No. 1

Spudded 17 1/2" hole 6:30 A. M. October 4, 1963. Ran 414' of 13 3/8" O. D. Casing and cemented at 434' with 400 Sx. of El Toro cement. Plug at 400'. Cement Circulated. Tested before and after drilling plug for 30 minutes with 1000 P. S. I. Tested O. K. Job complete 4:30 A. M. October 12, 1963.

Ran 5704' of 9 5/8" O. D. Casing and cemented at 5735' with first stage of 700 Sx. Class "C" 4% gel, plus 200 Sx. regular neat cement. Circulate 6 hours. Cement second stage with 1600 Sx. Class "C" 8% gel. Tested before and after drilling plug for 30 minutes with 5,000 P. S. I. Tested O. K. Job complete 9:30 P. M. October 26, 1963.

D. S. T. No. 1, 10,240' to 10,360', Tool open 1 1/2 hours, 30 Min ISIP-failed to record, HI-4936, IFP-833, FFP-853, 60 Min FSIP-4416, HO-4876, Recovered 60' DM, and 30' GCM, 1500' WB. Job complete 9:00 A. M. November 15, 1963.

D. S. T. No. 2, 11,420' to 11,442', Tool open 2 1/2 hours, with fair blow & increased to good blow at end of test. 30 Min ISIP-4826, IFP-728, HI-5542, 1 Hr IFP-4567, FFP-856, HO-5477, Recovered 1500' WB with trace of oil top of blanket. Job complete 9:00 P. M. November 29, 1963.

D. S. T. No. 3, 11,735' to 11,786', Tool open 5 mins with weak blow, closed tool for 30 mins. Open tool with no blow. Packer off for 30 mins and reset. No blow. Closed tool for final Shut In for one hour. Recovered 10' drilling mud. 30 Min ISIP-970, 1 Hour FSIP-877, IFP&FFP-692, HI&HO-6748. Job complete 4:00 P. M. December 4, 1963.

D. S. T. No. 4, 12,353' to 12,402', Tool open with weak blow decreasing to no blow after 10 Mins. Recovered 1500' WB plus 150' mud, NS. FIP-877, FFP-946, HI-7662, HO-7662, One Hour FSIP-1383. Job complete 2:00 P. M. Dec. 18, 1963.

D. S. T. No. 5, 12,352' to 12,402', (Re-Test) Tool open 2 Hours with weak blow air thruout test. Recovered 400' gas, 5' oil, 1500' WB and 120' GCM. HI-7793, HO-7769, 30 Min IBHPSI-1114, FBHPSI-789, IFP-813, FFP-717. Job complete 4:20 P. M. December 20, 1963.

D. S. T. No. 6, 13,650' to 13,821', Tool open one hour with weak blow decreasing to no blow in 15 Mins. Recovered 120' DM. HI-9071, HO-9071, 30 Min IBHPSI-4754, FBHPSI-3807, IFP-2324, FFP-2324. Job complete 7:00 P. M. January 30, 1964.

D. S. T. No. 7, 13,904' to 14,007', Tool open one hour with strong blow thruout test. WC to surface in 15 mins. Gas to surface in 34 minutes. Recovered 420' dist. plus 120' DM. HI-9167, HO-9161, 30 Min ISSIP-7585, IFP-4983, FFP-7391, FSIP-7585. Job complete 7:15 P. M. February 3, 1964.

Ran Gamma Ray Sonic log, Induction and Microlateral logs, February 18, 1964.

Ran Wire Line Test 12,550' to 12,553', Recovered 19.7 Cu ft gas plus 2600 cc oil, gravity 48.8, FSIP-8000. Job complete 3:00 A. M. February 21, 1964. (Test Number 8)

Ran 14,727' of 7" O. D. Casing and cemented at 14,750' with DV tool at 12,580'. Cement first stage with 400 Sx. Incor 4% gel with .5 of 1% HR-4 with 3/4 of 1% CFR-2, followed with 100 Sx. Incor neat with .4 of 1% HR-4, cement circulated thru DV tool 4 hours. Cement second stage with 425 Sx. Incor 4% gel with .5 of 1% HR-4, plus 3/4 of 1% CFR-2. Tested Casing for 30 minutes with 1500 P. S. I. Tested O. K. Job complete 9:30 P. M. February 25, 1964.