

MARTIN YATES. III
1912 - 1985
FRANK W. YATES
1936 - 1986



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RED HAT STATE UNIT #1
3330' FSL & 1980' FEL
Sec. 2-T16S-R33E
Lea County, NM

DRILL STEM TESTS

DST #1 5800-5870' GLORIETA: TIMES: 30", 60", 60", 180". RECOVERY - 4891' drilling mud, C1 5000 ppm, Pit mud 4600 ppm. SAMPLER: 2400 cc drilling mud, C1 5000 ppm, Pit mud 4600 ppm. BHT: 105 deg. PRESSURES: IHP 2315, IFP 1748-2299, ISIP 2298, FFP 2288-2288, FSIP 2298, FHP 2282.

DST #2 10420-10471' KEMNITZ: TIMES: 30", 60", 60", 180". RECOVERY: 958' (6.63 bbls) highly gas cut oil + 333' (2 bbls) water. Chl of rec wtr 40,000. Chl of pit mud 44,000. SAMPLER: 19.7 cfg, 600 cc oil and 175 cc water, C1 wtr 40,000. Oil = 39° API gravity @60°F. SAMPLER: 1700 psi. PRESSURES: Depth: 10394': IHP 5052, IFP 91-256, ISIP 3686, FFP 201-512, FSIP 3441, FHP 5052.

DST #3 11064-11112' (48') SEAMAN LIMES: TIMES: 30", 60", 90", 180". RECOVERY: 211' (.99 bbls) oil + 43' (.21 bbls) gas and oil cut drilling mud, Chl 31000. SAMPLER: .40 cfg, 600 cc oil + 350 cc drilling mud at 80 psi. Chl 33,000, Pit mud Chl 30,000. Oil 40° API Gravity @60° F. PRESSURES: Depth 11105': IHP 5296, IFP 56-93, ISIP 3537, FFP 74-148, FSIP 3481, FHP 5296.

DST #4 - MISRUN.

DST #5 12582-12636' (54') ATOKA: TIMES: 30", 60", 60", 180". RECOVERY: 1806' water cushion (C1 15000) and 465' heavy gas. DRILL PIPE: cut drilling mud (C1 45000) Pit C1 46000. SAMPLER: 5.7' gas, 275 cc oil - 55 API deg @ 60°F w/800 psig on sampler. PRESSURES: IHP 6463, IFP 1056-1074, ISIP 4129, FFP 1000-1148, FSIP 5277, FHP 6203.

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