

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



MAY 11 11 24 AM '90

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DRILL STEM TESTS

DST #1 4520-4679' (159') DELAWARE: TIMES - 35", 60", 90", 180". RECOVERY: 186' drilling mud, C1 175,000 and 2548' heavy oil and gas cut mud. Gravity 31.9° at 60°. SAMPLER: 4.17 cfg, 1200 cc oil, Gravity 32° at 62°, and 1000 cc mud, pit mud C1 175,000, .055 @ 68°, at 690 psi. PRESSURES: Depth - 4489'. IHP 2462, IFP 44-368, ISIP 1654, FFP 627-851, FSIP 1769, FHP 2456.

DST #2 10320-10356' (36'): TIMES - 15", 60", 60", 180". RECOVERY: 180' free oil, 36° gravity, 463' oil and gas cut mud, 78000 C1. SAMPLER: 1.28 cfg, 1200 cc oil, 300 cc mud, 81000 C1, Gravity oil 36°, GOR 169, pressure 190 psi. PRESSURES: Depth - 10295'. IHP 4850, IFP 123-136, ISIP 3899, FFP 123-275, FSIP 4128, FHP 4875.

DST #3 11150-11253' (103') WOLFCAMP: TIMES - 10", 60", 60", 75". RECOVERY: 125' free oil (1.7 bbls, 43.5° gravity), 90' (1.27 bbls) rathole mud, 863' (5.1 bbls) water cushion. SAMPLER: .25 cfg, 650 cc oil (43.5° gravity, GOR 61), 0 psi. NOTE: probable leak off gas in sampler. PRESSURE: Depth 11246'. IHP 5605, IFP 378-416, ISIP 3181, FFP 378-517, FSIP 1893, FHP 5593.

DST #4 11652-11740' (88') WOLFCAMP: TIMES - 15", 60", 60", 120". RECOVERY: 1373' water cushion and rathole mud (12.35 bbls) C1 136,000. SAMPLER: 2.14 cfg, 1200 cc drilling mud, C1 102,000 at 450 psi. PRESSURES: Depth 11735'. IHP 5648, IFP 662-675, ISIP 850, FFP 675-662, FSIP 787, FHP 5648.

DST #5 13161-13211' (50') MORROW: TIMES - 30", 60", 60", 180", 60". Closed w/weak blow. RECOVERY: 364' slight gas cut drilling fluid, C1 136,000 and 3458' water cushion. SAMPLER: .03 cfg, 2380 cc mud, 110 psi. Chlorides mud 136,000 and pit 136,000. PRESSURES: Depth 13132'. IHP 6798.

DST #6 11311-11346' (35') 2nd MORROW SAND: TIMES - 30", 60", 75", 180". RECOVERY: 552' gas cut drilling fluid. SAMPLER: 4.0 cfg, 300 cc oil and 2380 cc mud with 1310 psi. PRESSURES: IHP 7064, IFP 1923-1838, ISIP 6029, FFP 1914-1871, FSIP 6195, FHP 7094.

LUSK AHB FEDERAL #1
800' FNL & 1650' FEL
Sec. 35-T19S-R32E
Lea County, NM

RECEIVED

MAY 21 1990

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