

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



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Scratchy Ranch State Unit #1
Unit J, Sec. 14-15S-32E
Lea County, NM

DRILL STEM TESTS

DST #1 (12,589-12,649): Packer seat failed after ISI.

DST # 2 -12,521'-12,649' (128') MORROW: TIMES: 5", 60", 60", 180", 120". RECOVERY: 180' (2.6 bbls) mud, Cl 130,000 ppm + 3000' (33.1 bbls) cushion, Cl 156,000 ppm. SAMPLER: 0 cu ft. gas, 1100 cc mud, Chl 106,000 at 55 psi @ 158 deg. BHT: 158 deg f. PRESSURES: DEPTH - 12,642', IHP - 6790, IFP - 1689-1689, ISIP - 3052, 2nd FP 1689-1707, 2nd SI 2775, 3rd FP 1689-1689, FHP 6790.

DST #3 13,188-13,320 (132') MORROW: TIMES: 5", 60", 60", 180", 60", 197". RECOVERY: 3819' (51 bbls) water cushion; CHL 157,200. 475' (4.6 bbls) rathole mud; Chl 157,200. 362' (6.0 bbls) water; Chl 27,840. SAMPLER: 1400 cc water; Chl 27,840; 1250 psi. PRESSURES: IHP 7150, IFP 2236-2236, ISIP 6410, 2nd FP 2271-2271, 2nd SI 6587, FFP 2307-2342, FSIP 6587, FHP 7080, BHT 153 deg F.

DST #4 10,521-10,642' CANYON: TIMES: 5", 60", 60", 180", 60", 240". RECOVERY: 1970' (19.6 bbls) oil cut water blanket, 150,000 (5% oil cut); 1038' (13.25 bbls) gas cut oil (75% gas cut - 3-1/4 bbls oil); 90' (1.25 bbls) water, CL 110,000, 75ppm H2S. SAMPLER: 2.7 cu ft gas, 900 cc of 44 gravity oil at 60 deg and 400 cc water; 110,000 Cl. at 750 psi. GOR 480. BHT: 147 deg F. PRESSURES: DEPTH 10,539', IHP 5500, IFP 1062-1072, ISIP 4395, 2nd FP 1117-1152, 2nd SI 3822, 3rd FP 1212-1252, 3rd SI 3820, FHP 5532.