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1912 - 1985
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1936 - 1986



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Hour Glass State Unit #1, VB-11
Unit A, Section 16-T18S-R35E
Lea County, NM

DRILL STEM TESTS

DST #1 9085-9150' (65') BONE SPRINGS: TIMES: 30", 60", 60", 120", 60". RECOVERY: 60' drilling fluid. Cl 75000 (Rw 0.22 @ 25°). SAMPLER: 0 cfg, 2300 cc mud, Cl 81800 (Rw 0.22 @ 25°). No oil or gas. PRESSURES: IHP 4318, IFP 65-77, ISIP 127, 2nd FP 89-89, 2nd SI 139, 3rd FP 89-114, FHP 4318.

DST #2 9282-9342' (60') BONE SPRINGS: TIMES - 30", 60", 60", 120", 60". RECOVERY: total 690' = 30' oil cut drilling mud + 660' formation water, Cl 107000, Rw .06 @ 35°. Top Sample = Chl 98000, Rw .06 @ 35°. Middle Sample - Chl 99000, Rw .06 @ 35°. Bottom sample = Chl 106000, Rw .06 @ 35°. SAMPLER - 0 cfg, 200 cc oil + 1800 formation water (Chl 107000, Rw .06 @ 35°) at 40 psi. BHP: 142° F. PRESSURES: IHP 4461, IFP 113-138, ISIP 2024, 2nd FP 238-275, 2nd SI 2162, 3rd FP 338-388, FHP 4461.

DST #3 9697-9764' (67') BONE SPRINGS: TIMES - 30", 60", 60", 180". RECOVERY: 1506' (21 bbls) gas cut oil + 3728' (46.3 bbls) gas cut formation water = total 5234', H2S 1040 ppm. Top recovery - oil gravity 39 at 60 deg, H2S 1040 ppm. Middle recovery - Chl 45000, Rw .11 @ 60°, H2S 1128 ppm. Bottom recovery - Chl 45000, Rw .11 @ 60 deg, H2S 1396 ppm. SAMPLER: 4.1 cfg, 900 cc formation fluid + 1060 cc oil (38 @ 60°). H2S in sampler = 1030 ppm. BHT - 150°. PRESSURES: IHP 4692, IFP 330-1775, ISIP 2404, 2nd FP 1750-2316, 2nd SI 2492, FHP 4692.

DST #4 9941-9977' (36') ABO: TIMES: 30", 60", 60", 180". RECOVERY: Total 1346 bbls = 90 bbls gas cut oil + 44.6 bbls gas cut drilling fluid. SAMPLER: 7 cfg, 430 cc formation fluid (Chl 35000, Rw .19 @ 60) + 980 cc oil (Gravity 39.7 @ 60 deg). H2S ppm to 1400 ppm. PRESSURES: IHP 4818, IFP 443-1034, ISIP 2605, 2nd FP 1084-2605, 2nd SI 2680, FHP 4830.

DST #5 10258-10326' (68'): TIMES: 32", 61", 70", 180". RECOVERY: 108 BO. SAMPLER: 1950 cc oil, 4.98 cfg, 207 ppm H2S. 72600 ppm titrate. PRESSURES: IHP 4982, IFP 1239-2429, ISIP 3268, FFP 1999, FSIP 3293, FHP 4982.