

ARTESIA OIL CORPORATION - ARTESIA, NEW MEXICO

DST No. 1, 9139'-9272' - had small blow in bubble bucket prior to setting pkr. - set btm. of lower pkr. at 9139' - 15 min. preflow - open w/weak blow - fair blow at end of test - shut in 1 hr. - open 1 1/2 hrs. - open w/weak blow inc. to fair blow throughout - shut in 3 hrs. - pulled pkrs. free - POH - rec. 4150' drlg. mud - (equiv. of 2030 psi) - pumped apprx. 20 bbls. mud during test to keep annulus full - chart ind. leak in test assembly - weak blow throughout test - TEST INCONCLUSIVE - BHT 152° F - IHP 4656 - IFP 595-620 - ISIP 1420 IFP 896-1014 - FSIP 2537 - FHP 4656 - sample chamber rec. at 700 psi .84 cu. ft. gas and 2200 cc SGCM - Johnston taking tools to shop to check for leaks - magnafluxing DC - now going in hole.

DST No. 2, 9136'-9272' - rec. 122' drlg. mud - IHP 4656 - IFP 151/15 mins. - ISIP 328/60 mins. - FFP 125/90 mins. - FSIP 899/180 mins. FHP 4643 - sample chamber at 100 psi - rec. .43 cu. ft. gas and 10 cc drlg. mud - BHT 154° - drlg. mud 65,000 ppm Chl. - sample chamber mud 13,000 ppm Chls. - drlg. break 9322'-9332' - drlg. time - 8' drld. less than 2 min. per ft. - 2' drld. at 4 min. per ft. - coarse fine sand, angular loose sand w/good porosity - gas 325 - C₁ 640 - op100 - C₂ 5 - drlg. time above and below break 10-12 min. per ft.

DST No. 3, 9212'-9390' - 15 min. preflow - GTS 4 mins. - stabilized in 6 min. - rate 5 3/4 MMCF - stabilized remainder of preflow - 1 hr. ISIP - 30 min. IFP - open tool press. to 120 psi in 5 min. 3.2 MMCF - ~~120 psi 5 mins. 3.2~~ 170 psi 10 mins. 4.5 MMCF - 210 psi 15 mins. 5.7 MMCF - 270 psi 20 mins. 7.0 MMCF - 300 psi 25 mins. 8.0 MMCF - 310 psi 30 mins. 8.3 MMCF - mud in tool - could not keep flair burning due to heavy mist wtr. in mud - and wind blowing wrong direction - shut in until daylight - FSIP 6 1/2 hrs. -

^{5/8" bfm. chk. - 1" top chk.}
DST No. 3, 9212'-9390' - rec. 650' cond. 58° grav. at 60° and 67' DF 67,000 ppm ChCl. from sample on top of tool - 67,000 ppm ChCl. from pit

IFP 4699 - IFP 826-1140/15 mins. - ISIP 4405/60 mins. - FFP 808-1166/30 mins. IFP 4571/6 1/2 hrs. - FHP 4699 - BHT 151° F - sample chamber at 800 psi - .6 cu. ft. gas - 100 cc cond.

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APR 28 1961
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