

DRILL STEM TESTS

DST#1: 11-13-56: HOWCO testing Yates from 2398'-2482' w/2 6-3/4" packers. Bottom packer set @ 2398'. No water cushion. Chokes sizes 5/8" & 1" top, 1" bottom. Initial 30 min. S.I. started @ 5:19 P.M. Tool open @ 5:54 P.M. Weak blow of air 10 mins. & died. Tool open 1 hr. & 3 min. Shut in @ 6:57 P.M. for final 30 mins. S.I. Packers pulled loose @ 7:29 P.M. Started out of hole. Recovered 70' gas cut drilling mud. Initial 30 min. S.I.P. = 70 PSI Hyd. in 1345 PSI. I.F. 70 PSI. F.F. 70 PSI. Final 30 min. SIP 70 PSI. Hyd. out 1335 PSI.

DST#2: 11-15-56: No Test

DST#3: 11-16-56: HOWCO testing Yates & Seven Rivers 2559'-2668' w/2 6-3/4" packers. Bottom packer set @ 2559. No water cushion. Chokes bottom 1", top 1" 5/8". Open tool @ 12:40 A.M. for 30 min. SIP. Open TC valve @ 1:15 A.M. for test. Very very weak blow air 2 mins. & died. Tool open 30 min. Closed tool 1:45 A.M. for 30 min. SIP. 2:45 A.M. pull packer loose. Pulled out of hole. Recovered 5' drilling mud. Hyd. in 1470 PSI; ISIP 60 PSI; IFF 60 PSI; FFP 60 PSI; Hyd. out 1470 PSI; SIP 60 PSI.

DST#4: 11-18-56: Went in hole w/2 HOWCO 6-3/4" packers. Bottom packer set @ 2910'. Tool open 50 mins. 2910-2982 (72'). No water cushion. 5/8 bottom choke. Tool opened 2:42 P.M. slight bubble for 1 min. & died. Tool open for 20 mins. with no blow & by-passed tool. Tool re-opened @ 3:02 P.M. No blow. Tool open for 30 mins. & closed @ 3:32 P.M. for 30 min. SIP. POH-50 min. test. Recovered 75' rat-hole mud. Hyd. in 1696#; IF 35#; FF 35#; Hyd. out 1668#; BHSIP 35#.

DST#5: 11-20 & 21-56: Made up HOWCO Hydra Spring tools & went in hole. Bottom packer set @ 3127'. Testing 3127'-3202' (75'). No water cushion. 5/8 bottom, 1" top chokes. Tool opened @ 10:48 P.M. with fair blow. Increased to good blow with gas to surface 6 mins. Had strong blow throughout 1 hr. test. Off surface pressure. Closed tool for 30 min. SIP. Recovery = 3103' gas & 90' gas cut rat hole mud. Hyd. in 1664#; IF 75#; FF 75#; Hyd. out 1664#; BHSIP 770#.

DST#6: 11-22-56: Testing 3201'-3280' (79'). Bottom packer set @ 3201'. No water cushion. 5/8" bottom & 1" top choke. Tool opened @ 4:26 A.M. Good blow, gas to surface in 12 mins. Good blow throughout test. 1 hr. test. Off surface pressure. Closed tool @ 4:27 A.M. & took 30 min. SIP. Recovery = 115' gas cut drilling mud. Hyd. in 1872#; IF 75#; FF 75#; BHSIP 770#; Hyd. out 1805#.

DST#7: 11-23-56: Testing 3280'-3360' (80'). Bottom packer set @ 3280'. No water cushion. 5/8" bottom & 1" top chokes. Tool opened @ 7:47 P.M. with fair blow. Decreased to very weak blow in 1 hr. Closed tool @ 8:48 P.M. for 30 min. SIP. Gas did not reach surface. Off surface pressure. Recovery = 30' gas cut drilling mud. Hyd. in 1910#; IF 100#; FF 100#; BHSIP 100#; Hyd. out 1900#.

AD/... 54 "4" # 2. 11912

25-25-37

