

PERRY R. BASS, INC.

DRILL STEM TEST REPORT

COMPANY & LEASE Perry R. Bass; Big Eddy Unit; WELL NO. 35; TEST NO. 1
 FIELD Wildcat; COUNTY Eddy; STATE New Mexico
 NAME OF SECTION TESTED Strawn; TESTED FROM 11,170 TO 11,230
 DATE 5-5-73; REASON FOR TEST _____
 SERVICE COMPANY Johnston; TYPE PACKER Bobtail
 SIZE TUBING OR DRILL PIPE 4½ XH; CHOKE SIZE, BOTTOM 5/8" SURFACE 1"
 WATER CUSHION 1,500 FT.; TIME TOOL OPEN 1:00 ~~am~~ pm;
 LENGTH OF TIME TOOL OPEN 1 hours, 35 minutes; PRE-FLOW TIME 5 min.
 REMARKS: Tool opened with a very weak blow air; increased to weak blow in 2 min.; increased to strong blow air in 4 min.; Closed tool in 5 min. (SBA); Took 1 hr. initial shut in pressure; while taking shut in parted line at surface and allowed air in drill pipe to blow down; Tool opened 2nd. time with very weak blow air; increased to weak blow air in 5 min.; increased to strong blow air in 10 min.; increased to very strong blow air in 22 min.; Opened to pit on 1" ch. in 25 min.; Gas to surface in 45 min.; would not burn (but would almost); Flowing pressure 12 in. water, gas to small to measure; Flowing pressure was 7 in. water in 70 min.; Closed tool in 90 min., flowing pressure 6 in. water (3:35 pm MDST); Took 1½ hr. final closed in pressure. Pulled pkrs. free at 5:05 PM; Job completed at 9:20 PM. BHT 167°F; Rec'd. 1,500' gas cut, drilling-mud cut water blanket and 835' slightly gas cut water; no visible gas in drill pipe. Rec'd. in sample chamber 1.28 cu. ft. gas and 1,960 cc water at 800 psig. It also contained a small amount of what appeared to be distillate. Chlorides from samples as follows: water blanket 700 PPM, res. 3.4 @ 78°F; drilling mud 139,000 PPM, res. 0.07 @ 78°F; recovered top water blanket 14,000 PPM; recovered top water 74,000 PPM, res. 1.2 @ 78°F; recovered btm. water 90,000 PPM; recovered in sample chamber 95,000 PPM, res. 0.14 @ 72°F.

TIME ELAPSED TO REACH SURFACE: GAS 45 min, WATER _____ min, OIL _____ min,
 MUD _____ min.

FLOWING SURFACE PRESSURES: INITIAL 0.433 psi, FINAL 0.216 psi

FLOWING BOTTOM HOLE PRESSURES: INITIAL 643 psi, FINAL 1,058 psi

1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 5,788 psi

1½ hour FINAL SHUT IN BOTTOM HOLE PRESSURE 5,589 psi

FLUID COLUMN PRESSURE (Bomb readings): IN 6,059 psi, OUT 6,077 psi

CALCULATED FLUID COLUMN PRESSURE 5,890 psi; FLUID WEIGHT 10.1 #/gal.

DID PACKER HOLD? Yes; DID BOTTOM CHOKE PLUG? No;

DID FLUID DROP IN ANNULUS? No; IS TEST CONCLUSIVE? Yes

REPORTED BY: Grover L. Worley

Trace chart below. Show pressure scale, increasing vertically. Show time horizontally. Define opening and closing of tool, and build-up formation pressure.

