

DRILL STEM TEST REPORT

Perry R. Bass

COMPANY & LEASE Bass State Communitized; WELL NO. 1; TEST NO. 3
 FIELD Burton Flats; COUNTY Eddy; STATE New Mexico
 NAME OF SECTION TESTED Morrow; TESTED FROM 11,225 TO 11,330'
 DATE 8/2-3/74; REASON FOR TEST _____
 SERVICE COMPANY Halliburton; TYPE PACKER Expanding Shoe
 SIZE TUBING OR DRILL PIPE 4-1/2"; CHOKE SIZE, BOTTOM 3/4" SURFACE 1 & 5/8 & 3/4"
 WATER CUSHION none FT.; TIME TOOL OPEN 8:22 am ~~pm~~; (CDT)
 LENGTH OF TIME TOOL OPEN 2 hours, 10 minutes; PRE-FLOW TIME 10 min.
 REMARKS: Tool opened with weak blow of air; very strong blow in 2 minutes. Turn to pit on 1" choke in 5 minutes; closed tool in 10 minutes; took 1 hour initial shut in pressure. Tool opened 2nd time at 9:22 AM (CDT) with very strong blow of air-immediately turned to pit on 1" choke***. Closed tool in 2 hrs; took 3 hr. final SI pressure; pulled packers free 1 hr. earlier than normal because annulus rolling and unloading stream mud 1/2" to 1-1/2" diameter for last 1-3/4 hrs. of SI period. Pulled pkrs. free at 2:32 PM; pulled 175'; opened circulating sub and reversed out about 700' gas-cut drilling mud. Circulated 2 hours-gas flared about 1 hr. Recovered 120' drilling mud below circulating sub. Sample Chamber 25 psig. 0.1 cu. ft. gas and 500 cc drilling mud; Job Complete 10:20 PM (CDT): BHT 158°F.

***1 Min. 1" Choke 5 psig

2	1"	20		38 Min. 3/8" Choke 20 psig	119 MCF/D
3	1"	21		60	139
4	1"	18	Gas to Surf.	80	149
8	1"	14		90	152
9	5/8"	14		100	159
15	5/8"	11		120	169
15	3/8"	14			

99 MCF/D

TIME ELAPSED TO REACH SURFACE: GAS 4 min, WATER _____ min, OIL _____ min,
 MUD _____ min.

FLOWING SURFACE PRESSURES: INITIAL 5 psi, FINAL 35 psiFLOWING BOTTOM HOLE PRESSURES: INITIAL 170 psi, FINAL 213 psi1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 4366 psi3 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 4704 psiFLUID COLUMN PRESSURE (Bomb readings): IN 6216 psi, OUT 6175 psiCALCULATED FLUID COLUMN PRESSURE 6150 psi; FLUID WEIGHT 10.4 #/gal.DID PACKER HOLD? Yes; DID BOTTOM CHOKE PLUG? _____;DID FLUID DROP IN ANNULUS? No; IS TEST CONCLUSIVE? YesREPORTED 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.

