

DRILL STEM TEST REPORT

COMPANY & LEASE PERRY R. BASS; BASS STATE COMMUNITIZED; WELL NO. 1; TEST NO. 2  
 FIELD Burton Flats; COUNTY Eddy; STATE New Mexico  
 NAME OF SECTION TESTED Strawn; TESTED FROM 10,289 TO 10,400'  
 DATE 7-20-74; REASON FOR TEST \_\_\_\_\_  
 SERVICE COMPANY Halliburton; TYPE PACKER NR Expanding Shoe  
 SIZE TUBING OR DRILL PIPE 4-1/2"; CHOKE SIZE, BOTTOM 3/4" SURFACE 1"  
 WATER CUSHION 1003 FT.; TIME TOOL OPEN 6:15 am (CDT)  
 LENGTH OF TIME TOOL OPEN 2 hours, 10 minutes; PRE-FLOW TIME 10 min.  
 REMARKS: Tool opened with weak blow of air; strong blow of air in 2 minutes; very strong  
blow of air in 5 minutes. Turn to pit on 1" choke in 6 minutes. Gas to surface in 7  
minutes. Closed tool in 10 minutes for 1 hour initial shut in. Small amount of water  
blanket in 20 minutes; Tool open 2nd time at 7:25 AM with gas still burning in pit.  
 Took following readings:  

10 Min.	2 psig	448 Mcf/D	Flowed 2 hrs; Closed tool at 9:25 AM; Took 4 hr.
14	16	816	final shut in; Pulled packers free at 1:25 PM; Pulled
20	20	922	186' and reversed out from 10,054', 319' condensate
25	24	1027	58.2 degrees @ 60°F; 1290' gas and condensate cut water
40	23	1001	blanket; and 880' gas cut drilling mud; JC @ 2:26 PM;
50	19	895	Circulated from 2:50 to 5:00 PM; Pulled out of hole;
60	16	816	Recovered 90' drilling mud below circulating sub; Sample
75	15	790	chamber had 3200 psig (leaked), 12.8 cu. ft. gas, 400
85	14	760	cc drilling mud and 500 cc condensate; out of hole at
95	14	760	9:13 PM (CDT); BHT 156°F.
105	13½	750	
120	13	737	

  
 TIME ELAPSED TO REACH SURFACE: GAS 7 min, WATER \_\_\_\_\_ min, OIL \_\_\_\_\_ min,  
 MUD \_\_\_\_\_ min.  
 FLOWING SURFACE PRESSURES: INITIAL 0 psi, FINAL 13 psi Max. 24 psig  
 FLOWING BOTTOM HOLE PRESSURES: INITIAL 788 psi, FINAL 657 psi  
1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 4170 psi  
4 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 4214 psi  
 FLUID COLUMN PRESSURE (Bomb readings): IN 5803 psi, OUT 5759 psi  
 CALCULATED FLUID COLUMN PRESSURE 5705 psi; FLUID WEIGHT 10.55 #/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.

