

# PERRY R. BASS, INC.

## DRILL STEM TEST REPORT

COMPANY & LEASE Perry R. Bass; Big Eddy Unit; WELL NO. 39; TEST NO. 1  
 FIELD Wildcat; COUNTY Eddy; STATE New Mexico  
 NAME OF SECTION TESTED Strawn; TESTED FROM 10,665 TO 10,800  
 DATE 10-24-73; REASON FOR TEST Drilling break  
 SERVICE COMPANY Johnston; TYPE PACKER Bobtail  
 SIZE TUBING OR DRILL PIPE 4½"; CHOKE SIZE, BOTTOM 5/8" SURFACE ½ & 1"  
 WATER CUSHION 814 FT.; TIME TOOL OPEN 6:47 am ~~PM~~ (MDT)  
 LENGTH OF TIME TOOL OPEN 5 hours, 13 minutes; PRE-FLOW TIME 3 min.  
 REMARKS: Tool opened with strong blow air; Increased to very strong blow air in 1 min.;  
Closed tool after 3 min.; Took 1 hr. ISIP; Flowed 5 hrs. 10 min., 2 hrs. 25 min. to pit  
& 2 hrs. 45 min. thru test equipment; Thru test equipment 1st 45 min. 1,775 MCF PD &  
20 bbls. water (Condensate cut); next 1 hr. 1,775 MCF PD & 28 bbls. water,  
(condensate cut); next 1 hr. 1,664 MCF PD & 17½ bbls. water (condensate cut); min flow  
rate 710 MCF PD; max rate 2,760 MCF PD; Max FSP while flowing to pit, 1" choke 435 psig  
& ½" 600 psig; max FSP while flowing thru test equipment 700 psig.; Took 2 hr. FSIP;  
pulled pkrs. free @ 3 pm (MDT); Reversed out, with circulating sub at 10,320; 3150 gas  
and 7,170 gas & condensate cut water; JC @ 4:07 pm; circulated hole till 7 pm; pulled  
OOH; JC @ 12 MN (MDT); Sample chamber contained 1,975 psig 10.9 cu. ft. gas, 600 cc water  
& 65 c.c. condensate; Chlorides; pit mud 110,000 ppm. res. 0.12 @ 72 deg. F; Top  
recovery 55,000 ppm, res. 0.31 @ 76 deg. F; Middle recovery 55,000 ppm, res. 0.21  
@ 74 deg. F; Sample chamber 54,000 ppm res. 0.14 @ 66 deg. F; Condensate 56 gvtv. @ 71  
deg. F; BHT 188 deg. F

TIME ELAPSED TO REACH SURFACE: GAS 4 min, WATER 8 min, OIL 95 min,  
 MUD      min.

FLOWING SURFACE PRESSURES: INITIAL 0 psi, FINAL 700 psi

FLOWING BOTTOM HOLE PRESSURES: INITIAL 1,329 psi, FINAL 2,584 psi

1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 5,634 psi

2 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 5,408 psi

FLUID COLUMN PRESSURE (Bomb readings): IN 5,710 psi, OUT 5,772 psi

CALCULATED FLUID COLUMN PRESSURE 5,830 psi; FLUID WEIGHT 10.4 #/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.

