

# PERRY R. BASS, INC.

## DRILL STEM TEST REPORT

COMPANY & LEASE Perry R. Bass; Big Eddy Unit; WELL NO. 36; TEST NO. 1  
 FIELD Wildcat; COUNTY Eddy; STATE New Mexico  
 NAME OF SECTION TESTED Morrow; TESTED FROM 12,220 TO 12,445'  
 DATE 7-10-73; REASON FOR TEST \_\_\_\_\_  
 SERVICE COMPANY Johnston; TYPE PACKER Bobtail  
 SIZE TUBING OR DRILL PIPE 4 1/2" XH; CHOKE SIZE, BOTTOM 5/8" SURFACE \_\_\_\_\_  
 WATER CUSHION 2,433 FT.; TIME TOOL OPEN 6:43 am pm;  
 LENGTH OF TIME TOOL OPEN 1 hours, 10 minutes; PRE-FLOW TIME 10 min.  
 REMARKS: Tool opened w/VWBA; died in 6 min., closed tool in 10 min.; Took 1 hr. ISIP;  
Opened tool 2nd. time, blow was dead; Recycled tool to make sure it was open. Still dead;  
Left tool open 1 hr. dead through out flow period; Closed tool and took 1 hr. FSIP; Pulled  
pkrs. free at 9:52 AM (MDT); Pulled COH and recovered 2,370' very slightly air & gas cut  
water blanket (small amount drlg. mud immediately above tool); Annulus rolling & bubbling  
throughout test; Filled annulus several times; Fluid level did not fall far but rolled &  
bubbled all the time; Sample chamber contained 650 psig, 0.87 cu. ft. gas, and 1,200 cc  
black water with 149,000 PPM chlorides and resistivity of 0.09 @ 80° F; Drlg. mud checked  
167,000 PPM chlorides with res. 0.06 @ 84° F; Water blanket checked 2,450 PPM chlorides with  
res. 2.5 @ 82° F; Left about 1/5 of bottom pkr. rubber in hole; Job completed at 3:10 PM (MDT).

TIME ELAPSED TO REACH SURFACE: GAS \_\_\_\_\_ min, WATER \_\_\_\_\_ min, OIL \_\_\_\_\_ min,  
 MUD \_\_\_\_\_ min.

FLOWING SURFACE PRESSURES: INITIAL \_\_\_\_\_ psi, FINAL \_\_\_\_\_ psi

FLOWING BOTTOM HOLE PRESSURES: INITIAL 1,378 psi, FINAL 1,501 psi

1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 1,909 psi

1 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 1,872 psi

FLUID COLUMN PRESSURE (Bomb readings): IN 6,667 psi, OUT 6,742 psi

CALCULATED FLUID COLUMN PRESSURE 6,621 psi; FLUID WEIGHT 10.25 #/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.

