

PERRY R. BASS, INC.

DRILL STEM TEST REPORT

COMPANY & LEASE Perry R. Bass; Big Eddy Unit ; WELL NO. 35 ; TEST NO. 2
 FIELD Wildcat ; COUNTY Eddy ; STATE New Mexico
 NAME OF SECTION TESTED Morrow ; TESTED FROM 12,175 TO 12,272
 DATE 5-16-73 ; REASON FOR TEST _____
 SERVICE COMPANY Johnston ; TYPE PACKER Bobtail
 SIZE TUBING OR DRILL PIPE 4 1/2" XH ; CHOKE SIZE, BOTTOM 5/8" SURFACE 1"
 WATER CUSHION 2,200 FT. ; TIME TOOL OPEN 5:44 am
 LENGTH OF TIME TOOL OPEN 2 hours, 34 minutes ; PRE-FLOW TIME 4 min.
 REMARKS: Opened tool 5:44 AM (MDT); WBA; SBA in 1/2 min.; VSBA in 1 min.; closed tool in 4 min.
Took 1 hr. ISIP; While closed in opened to pit on 1" ch. in 16 min.; Gas to surface in 30 min.
Still very strong blow thru hose at end of shut in and flowing thru 1" ch. to pit; Opened
tool 2nd time at 6:48 AM (MDT) on 1" ch. to pit with FSP of 10 psig; 2 psig in 17 min.; 15
psig in 26 min.; 20 psig in 28 min.; 25 psig in 30 min.; 30 psig in 32 min.; 35 psig in 36 min.
40 psig in 42 min.; Estimated max. flow rate 1,400 McfPD; 35 psig in 55 min.; 30 psig in 58
min.; 25 psig in 60 min.; 20 psig in 64 min.; 15 psig in 67 min.; 10 psig in 72 min.; 5 psig
in 81 min.; 2 psig in 92 min.; 22 in. water in 130 min.; 7 in. water in 150 min.; Estimated
min. flow rate 92 McfPD; Closed tool after 2 1/2 hrs.; Cycled tool closed then open and back to
closed at 9:18 AM (MDT); Took 2 hr. FSIP; Pulled pkrs. at 11:18 AM (MDT); Pulled tool and
recovered 2,200' water blanket, gas cut on top & gas cut and mud cut on bottom, also 560'
gas cut drilling mud; job complete at 4:05 PM (MDT); Chlorides: WB in 500 PPM w/res. 2.2 @
72° F; DM pit 129,000 PPM w/res. 0.03 @ 68° F; Top WB out 4,500 PPM w/res. 4.2 @ 82° F; Top
DM out res. 0.03 @ 84° F; Top DM out filtrate 120,000 PPM w/res. 0.05 @ 84° F; Btm. DM out
filtrate 113,000 PPM w/res. 0.04 @ 82° F.

TIME ELAPSED TO REACH SURFACE: GAS 30 min, WATER _____ min, OIL _____ min,
 MUD _____ min.

FLOWING SURFACE PRESSURES: INITIAL 10 psi, FINAL 0.252 psi Max. 40 psi

FLOWING BOTTOM HOLE PRESSURES: INITIAL 1,155 psi, FINAL 1,119 psi

1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 2,745 psi

2 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 1,369 psi

FLUID COLUMN PRESSURE (Bomb readings): IN 6,480 psi, OUT 6,480 psi

CALCULATED FLUID COLUMN PRESSURE 6,370 psi; FLUID WEIGHT 10 #/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.

