

DRILL STEM TEST REPORT

COMPANY & LEASE Bass, Perry R. Big Eddy Unit ; WELL NO. 40 ; TEST NO. 4
 FIELD Wildcat ; COUNTY Eddy ; STATE New Mexico
 NAME OF SECTION TESTED Norrow ; TESTED FROM 12,614 TO 12,930'
 DATE 5-22-74 ; REASON FOR TEST _____

SERVICE COMPANY Halliburton ; TYPE PACKER Expanding shoe
 SIZE TUBING OR DRILL PIPE 4 1/2" XH ; CHOKE SIZE, BOTTOM 5/8" SURFACE 3/8"
 WATER CUSHION 1,075 FT. ; TIME TOOL OPEN 6:43 AM pm ; (CDT)
 LENGTH OF TIME TOOL OPEN 1 hours, 10 minutes ; PRE-FLOW TIME 10 min.

REMARKS: Tool opened with weak blow air & remained during preflow: Closed and took 1 hr. initial shut in; Tool opened second time, with very weak blow air; Weak blow air in 21 min. Strong blow air in 26 min.; Very strong blow air in 40 min.; Closed tool in 60 min.; Blow decreasing at end; Turned to pit on 3/8" ch. to bleed down drill pipe; No gas to surface; Took 2 hr. final shut in press.; pulled pkrs. free at 10:53 pm; Pulled 326'; Circulating sub at 12,161'; Opened circulating sub and reversed out 1,075' water blanket; Circulated until 3:45 AM; Pulled out of hole; J.C. @ 9:15 AM; Recovered 90' drlg. mud below circulating sub; Sample chamber contained 125 psig, 2150 c.c. drlg. mud & no gas; Lost about 1/8 btm. pkr. rubber in hole; resistivity of pit mud, 0.058 @ 167°F, chlorides about 145,000 ppm from chart; Resistivity of sample chamber mud 0.052 @ 68°F. BHT 173°F.

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 723 psi, FINAL 723 psi
1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 1,165 psi
2 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 1,188 psi
 FLUID COLUMN PRESSURE (Bomb readings): IN 7,034 psi, OUT 6,988 psi
 CALCULATED FLUID COLUMN PRESSURE 6,925 psi; FLUID WEIGHT 10.3 #/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.

