

## DRILL STEM TEST REPORT

COMPANY & LEASE Perry R. Bass; Big Eddy Unit; WELL NO. 40; TEST NO. 2  
 FIELD Wildcat; COUNTY Eddy; STATE New Mexico  
 NAME OF SECTION TESTED Wolfcamp; TESTED FROM 10,995 TO 11,288'  
 DATE 4-30-74; REASON FOR TEST Drilling break  
 SERVICE COMPANY Johnston; TYPE PACKER Bobtail  
 SIZE TUBING OR DRILL PIPE 4 1/2" KH; CHOKE SIZE, BOTTOM 5/8" SURFACE 1"  
 WATER CUSHION \_\_\_\_\_ FT.; TIME TOOL OPEN 6:33 am ~~PM~~ (CDT)  
 LENGTH OF TIME TOOL OPEN 1 hours, 4 minutes; PRE-FLOW TIME 4 min.  
 REMARKS: Tool opened with weak blow air; strong blow air in 1 min.; very strong blow air in 2 min.; Closed tool in 4 min.; Took 1 hr. initial shut in; Tool opened at 7:37 AM with weak blow air; strong blow air in 2 min.; very strong blow air in 9 min.; Turn to pit on 1" ch. in 12 min.; Closed pit line in 55 min., weak blow air; closed tool in 60 min. Took 2 hrs. final shut in; Pulled pkrs. free at 10:37 AM (CDT) Pulled out of hole; Recovered 1,700 Water (muddy color); Chlorides; pit mud 136,000 ppm with res. 0.06 @ 66°F; Top recovery 160,000 ppm w/res. 0.05 @ 60°F; Btm. recovery 148,000 ppm w/res. 0.05 @ 60°F; Sample chamber 155,000 ppm w/res. 0.05 @ 60°F; Recovered in Sample Chamber; 200 psig, 1/2 cu. ft. gas & 2,160 c.c. water (Muddy Color); BHT 182°F; Job Completed 3:30 PM (CDT).

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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 350 psi, FINAL 987 psi

1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 5,809 psi

2 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 5,809 psi

FLUID COLUMN PRESSURE (Bomb readings): IN 5,821 psi, OUT 5,809 psi

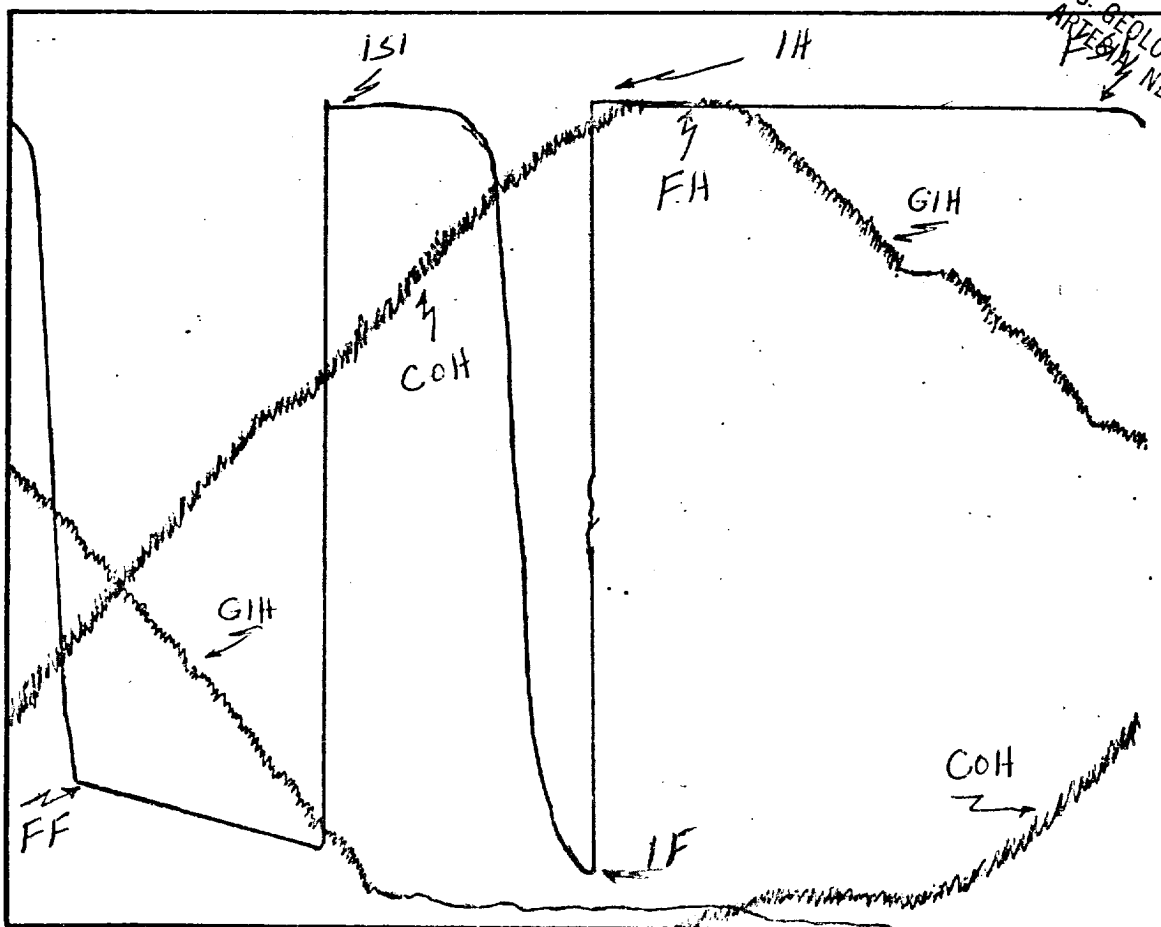
CALCULATED FLUID COLUMN PRESSURE 5,800 psi; FLUID WEIGHT 9.9 #/gal.

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.



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