

## DRILL STEM TEST REPORT

COMPANY & LEASE Perry R. Bass: Big Eddy Unit; WELL NO. 40; TEST NO. 1  
 FIELD Wildcat; COUNTY Eddy; STATE New Mexico  
 NAME OF SECTION TESTED Delaware; TESTED FROM 3,307 TO 3,455'  
 DATE 4-3-74; REASON FOR TEST \_\_\_\_\_  
 SERVICE COMPANY Johnston; TYPE PACKER Bobtail  
 SIZE TUBING OR DRILL PIPE 4 1/2"; CHOKE SIZE, BOTTOM 5/8" SURFACE 1"  
 WATER CUSHION None FT.; TIME TOOL OPEN 10:39 am ~~pm~~ (CDT)  
 LENGTH OF TIME TOOL OPEN 1 hours, 4 minutes; PRE-FLOW TIME 4 min.  
 REMARKS: T O w/ VWBA; SBA in 1 min; VSBA in 2 min, & remained; Closed tool in 4 min. (4 min. preflow); Took 1 hr. ISI; T O w/ WBA; SBA in 1 min.; VSBA in 2 min., TTP on 1" ch. in 3 min.; Flowed total 1 hr.; no gas to surface; Closed tool & took 2 hr FSI; Pulled pkrs. free & pulled out of hole; Recovered 662' drlg. mud (5,200 ppm chlorides w/ res. 0.58 @ 70°F) and 1,525' formation water with strong sulfide odor and it turns black when comes in contact with Air (56,000 ppm chlorides w/ res. 0.1 @ 70°F); Top recovered water 20,000 ppm chlorides w/ res. 0.21 @ 72°F; Pit drlg. mud 5,800 ppm w/res. 0.6 @ 66°F; Water above tool 59,000 ppm chlorides w/ res. 0.08 @ 72°F; Sample chamber contained no gas, no pressure & 2.500 c.c. formation water (57,000 ppm chlorides w/ res. 0.09 @ 72°F); Out of hole @ 6:15 pm (CDT); Left 12' tool in hole; Ran back in hole; screwed into box locking up; pulled out of hole & recovered all of tool; Job complete @ 10:30 PM. (CDT); BHT 97°F; calc. HH @ TD 1,558 psig; This was St.addle test; recorder below btm. pkrs. 1,558 psig. Pkrs. set @ 3,246-48, 3,252-54 and 3,455-5', 3,461-63; TD 3,532

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 63 psi, FINAL 976 psi

1 hour INITIAL SHUT IN BOTTOM HOLE PRESSURE 1,310 psi

2 hour FINAL SHUT IN BOTTOM HOLE PRESSURE 1,294 psi

FLUID COLUMN PRESSURE (Bomb readings): IN 1,447 psi, OUT 1,447 psi

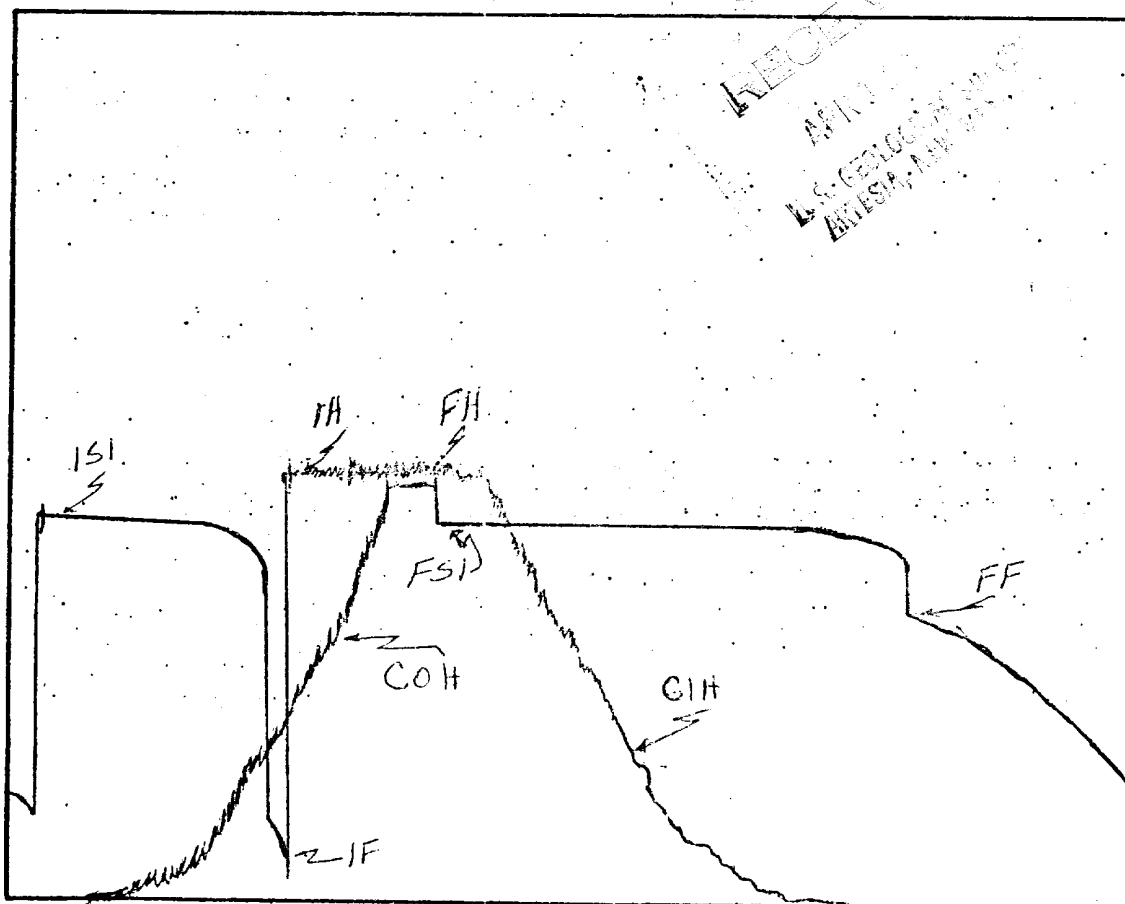
CALCULATED FLUID COLUMN PRESSURE 1,432 psi; FLUID WEIGHT 8.5 #/gal.

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.



38

11:45

Stm 1145-6

Alm 117m

1200

12-50

1200

ILLECIBLE

Chesapeake Bay, 4-21-29

1200 10-15

Stm 1100

Alm 1150

1180

12-50

1230