

DRILL STEM TEST-CK FEDERAL #1

DST #1 from 2,694' - 2,754' (Delaware Sand)
 Open flow for 10 min. preflow; GTS in 9 min.;
 Shut in 90 min.; 2 hrs. Final flow period;
 Maximum pressure 17.5 psi on 3/8" choke
 (estimated 103 MCF, decreased to 93 MCF at end
 of test); Recovered 325' gas cut drlg. fluid
 with a trace of oil; Sample chamber recovered
 .53 cu. ft. gas, 200 cc oil, 100 cc water 2
 150 psi.

Testing DST #2
 from 2,691' - 2,881' (190'); pene-
 toole @ 1:30 a.m. for 10 min. preflow;
 GTS in 5 min.; Closed in for 2 hrs.,
 Opened on 3/8" choke.

After 8 min.	220 psi	(770,000 CFG)
15 min.	210 psi	(740,000 CFG)
30 min.	180 psi	(640,000 CFG)
45 min.	170 psi	(600,000 CFG)
60 min.	160 psi	(570,000 CFG)
75 min.	150 psi	(540,000 CFG)
90 min.	150 psi	(540,000 CFG)
105 min.	145 psi	(520,000 CFG)
120 min.	145 psi	(520,000 CFG)

Closed after 2 hrs. flow period; Will pull
 packers loose at 10:30 a.m. 5-2-78.

WATER RESISTIVITY Cl.

Sample Chamber	.44 ohms @ 68°	14,000 ppm
Pit Sample	1.9 ohms @ 69°	700 ppm
Top Recovery	1.9 ohms @ 69°	1,300 ppm
Middle Recovery	1.9 ohms @ 69°	1,600 ppm
Bottom Recovery	1.9 ohms @ 69°	4,000 ppm

BOTTOM CHART CHART

IH		
10 min. preflow	1148	1040
90 min. ISIP	62-99	65-78
2 hr. FFP	1162	1153
8-1/2 hrs. FSIP	99-150	90-141
FH	1162	1153
	1148	040
BHT	95° F	

BOTTOM CHART

TOP CHART

IH	1149	1140
10 min. preflow	264-340	355-330
2 hr. ISIP	1237	1229
2 hr. FFP	340-365	318-356
5 hr. FSIP	1212	1204
FH	1177	1166

BHT 95° F

Sample chamber recovered 20 cc oil, 200 cc drlg.