

DST #1: 4550-4634' (84') Delaware Sd, 15/16" BHC, 1/4" T. C. (blow hoze), no water blanket. Tool opened for 15 min preflow w/fair blow. Surface press 1 PSIG in 15 min. Closed tool for 120 min. Reopened tool for 60 min final flow w/fair blow. No surface press. and no gas to surface. Closed tool for 180 min FSIP.

Recovered 300' of slightly oil cut drlg fluid w/Res 0.06 @ 60 deg F and 113,000 PPM chls.

Sample chamber @ 4634' contained 100 cc water w/Res 0.05 @ 60 deg F and 137,000 PPM chls and 0.2 cu. ft. of gas @ 30 PSIG.

Chls of drlg fluid in pit 94,000 PPM.

BPH's as follows:

	TOP CHART AT 4628'	BOTTOM CHART AT 4634'
IMCP		2260 PSIG
15 min Initial Flow	Did Not	87-109 PSIG
120 min ISIP	Record	1831 PSIG
60 min Final Flow		120-126 PSIG
180 min FSIP		1545 PSIG
FMCP		2238 PSIG
BH Temp.		104 Degs

DST #2: 4941-5088' (147') Bone Springs SS, 3/4" BHC, 1/4" T. C. (bubble hose) no wtr blanket. Tool opened for 15 min preflow w/a poor blow increasing to a fair blow. No surface pressure. Closed tool for 60 min final flow w/a fair blow. Surface pressure increased from 1 psig to 3 psig during 60 min flow period. No GTS. Closed tool for 180 min FSIP. Pulled tool loose. Recovered 100' of formation wtr that titrated 157,000 ppm chlorides. Pit sample 94,000 ppm chls. Sample chamber @ 4911 contained 1650 cc wtr that titrated 161,250 ppm chls & 0.040 cu ft gas @ 50 psig. BHP as follows:

	TOP CHART AT 4923'	BOTTOM CHART AT 5084'
IMCP	2355#	2437#
15 min Initial Flow	32#-32#	72#-72#
60 min ISIP	1914#	1936#
60 min Final Flow	47#-79#	108#-145#
180 Min FSIP	2166#	2222#
FMCP	2355#	2437#
BH Temp	123 deg F	123 deg F

ACCEPTED FOR RECORD  
ROGER A. CHAPMAN

MAY 28 1981

U.S. GEOLOGICAL SURVEY  
BOSTON, NEW MEXICO