

BLACK RIVER FEDERAL #1

Summary of Drill Stem Tests

DST #1 1793'-1980 Delaware Sand

15" PF	127-169 psi	Weak blow thru out
60" ISIP	781 psi	
60" FP	211-316 psi	Weak blow thru out
120" FSIP	802 psi	
BHT	89°F	
I&FHyd	907 psi	

Rec.: 451' salty water (150,000 ppm, pit: 194,000 ppm)

DST #2 4240'-4345' Delaware Sand

15" PF	63-63 psi	Fair blow
60" ISIP	105 psi	
60" Flow	63-63 psi	Weak blow for 45" and died
120" FSIP	210 psi	
I&FHyd	1950 psi	
BHT	90°F	

Rec.: 30' SLGCDW C1 1,200 ppm

DST #3 8400'-8540' Penn Carbonate

15" PF	105-105 psi	Weak blow thru out
60" ISIP	274 psi	
60" Flow	105-105 psi	Weak blow thru out
120" FSIP	1596 psi	
I&FHyd	4421 psi	
BHT	140°F	

Rec.: 30' DM, VSGC

DST #4 8770'-8883'

15" PF	105-105 psi	Fair blow inc to very strong. GTS in 11", 68 MCFPD
60" ISIP	3358 psi	
60" Flow	127-148 psi	Very strong blow 283 MCF dec to 44 MCF @ end of test
120" FSIP	3379 psi	
I&FHyd	4546 psi	
BHT	159°F	

Rec.: 225' DF, C1 136,000 ppm, Pit 148,000 ppm.

DST #5 Could not get to bottom. Test #5 was a Mis-Run.

DST #6 9130'-9214' Morrow Sand

15" PF	84-84 psi	Weak blow thru out
60" ISIP	105 psi	
60" Flow	84-84 psi	Weak blow thru out
150" FSIP	149 psi	
BHT	145°F	

Rec.: 15' DM, 160,000 ppm.

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JAN 14 1976
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