

Ran Temperature and Gradomonometer inside Atoka tubing string under several conditions. (See log dated 12-13-74.)

Left Atoka flowing and Morrow shut-in.

December 14, 1974

Morrow SITP (12 hours) = 915. Atoka flowing off chart 840 MCF + FTP = 610 psi.

Ran additional Temperature and Gradomonometer Surveys inside Atoka tubing string. (See log dated 12-13-74.)

Shut Atoka in @ 2:00 P.M. and opened Morrow.

December 15, 1974

Morrow flowing 2.00 MM @ 600 psi. Atoka SITP 750 psi.

December 16, 1974

Morrow flowing 2.00 MM @ 620 psi. Atoka SITP = 760 psi.

December 17, 1974

Morrow flowing 2.00 MM @ 620 psi. Atoka SITP = 780 psi.

Shut-in Morrow and opened Atoka.

December 18, 1974

Morrow SITP = 780 psi. Atoka flowing 2.20 MMCF @ 580 psi.

December 19, 1974

Morrow SITP = 780 psi. Atoka flowing 2.3 MMCF @ 590 psi.

Rigged up Schlumberger and ran a vertical spinner survey inside the Morrow tubing string with Morrow shut-in and Atoka flowing 2.3 MMCFPD @ 590 psi.

Found hole in Morrow tubing @ 10,951' to 10,953' (opposite Atoka perforations that were perforated on 11-25-74 when the Morrow production dropped from 1.95 MMCF to 1.6 MMCF). The hole appears to be in a collar.

Left Morrow shut-in and Atoka flowing

December 20, 1974

Morrow SITP = 780 (72 hours). Atoka flowing 2.2 MMCF @ 590 psi. Opened Morrow to sales this A. M.

DATE	MORROW			ATOKA	
	RATE	FTP	L.P.	RATE	FTP
12-21-74	1.65	630	570	.500	570
12-22-74	1.65	630	560	.490	560
12-23-74	1.50	640	580	.360	580
12-24-74	1.70	600	540	.480	540
12-25-74	1.70	600	530	.340	540
12-26-74	1.70	560	490	.460	500
12-27-74	1.70	600	520	.330	520
12-28-74	1.60	460	370	.580	370
12-29-74	1.60	460	370	.580	380
12-30-74	1.75	460	360	.400	370
12-31-74	1.70	460	370	.410	370
1-01-75	1.70	460	370	.410	370