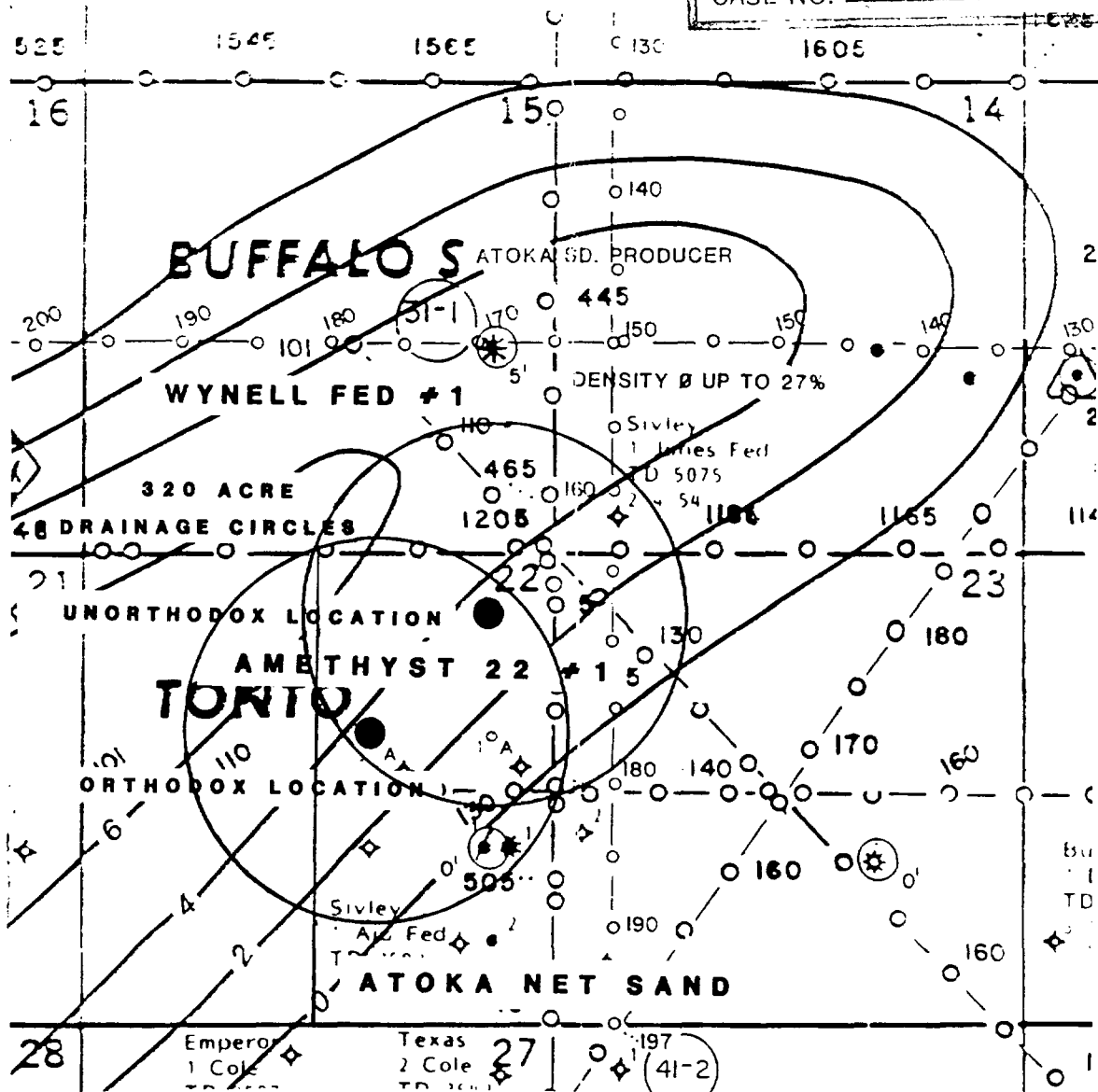


VOLUMETRIC RESERVE CALCULATIONS  
 AMETHYST 22 #1 - UNORTHODOX LOCATION BEFORE EXAMINER  
 WILDCAT ATOKA FIELD  
 STATE OF NEW MEXICO OIL CONSERVATION DIVISION  
 CASE NO. 9796  
 HEARING DATE: NOVEMBER 15, 1989  
 MEC EXHIBIT NO.

CASE NO. 9796



Recoverable gas-in-place, RGIP = 1358 MCF/ACFT X ACFT

	E 1/2 SECT 22		TOTAL		% FROM
	ACFT	RGIP, BCF	ACFT	RGIP, BCF	E 1/2 SECT 22
Unorthodox Location	4311	0.59	1024	1.39	42%
Orthodox Location	544	0.74	1131	1.54	48%

Conclusion: For Atoka Prospect orthodox location is better because  
 Atoka reserves are greater and a greater percentage  
 comes from the east half of Section 22.