

VOLUMETRIC RESERVE CALCULATIONS
 AMETHYST 22 #1 - UNORTHODOX LOCATION
 GEM EAST MORROW FIELD
 STATE OF NEW MEXICO OIL CONSERVATION DIVISION
 CASE NO. 9796
 HEARING DATE: NOVEMBER 15, 1989
 MEC EXHIBIT NO. _____

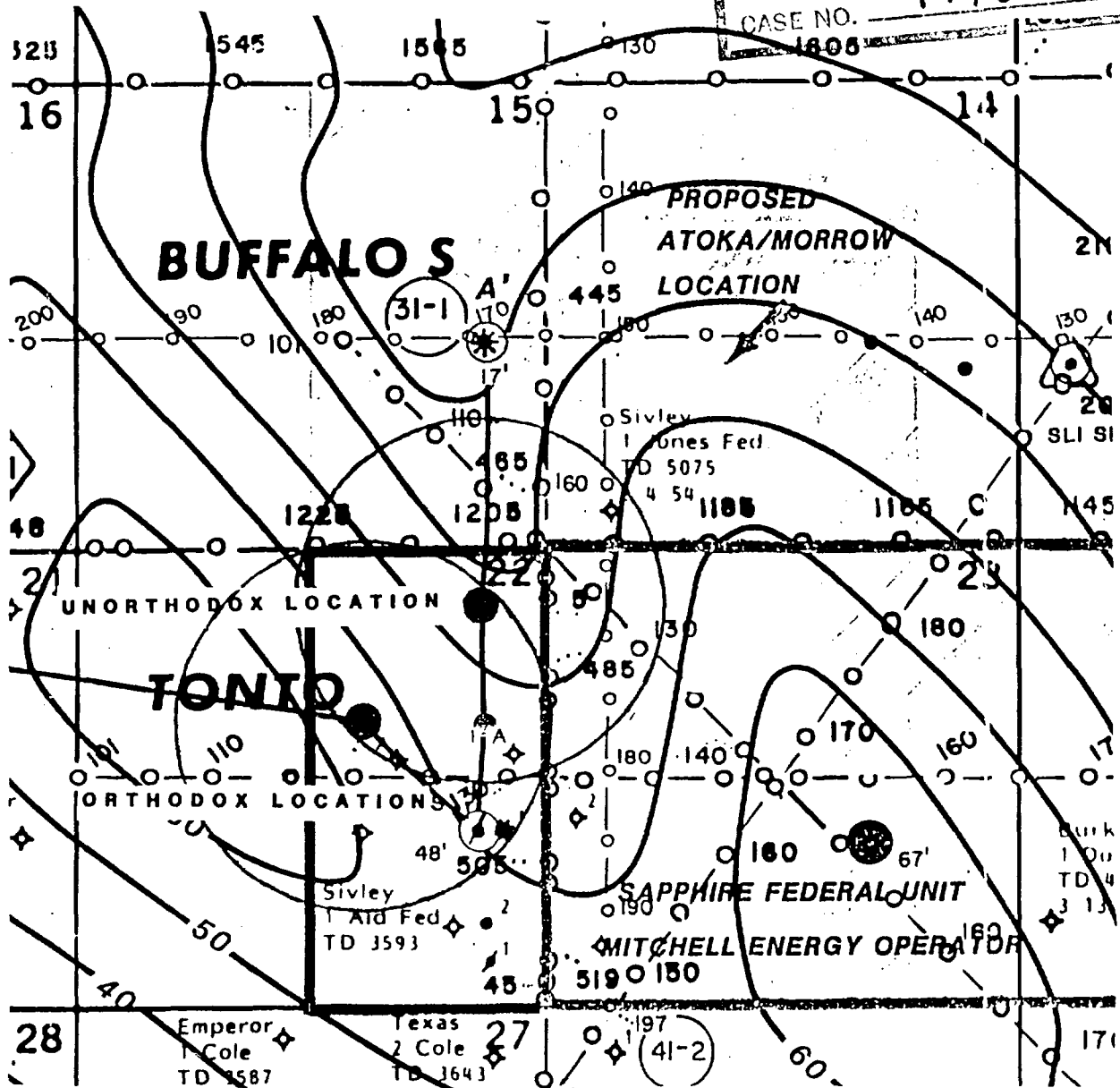
BEFORE EXAMINER

OIL CONSERVATION DIVISION

Mitchell

EXHIBIT NO. 10

CASE NO. 9796



Recoverable gas-in-place, RGIP=(512 MCF/ACFT)XACFT=MCF

	E 1/2 SECT 22		TOTAL		% FROM
	ACFT	RGIP,BCF	ACFT	RGIP,BCF	E1/2 Sec 22
Unorthodox Location	6384	3.27	12600	6.45	51%
Orthodox Location	11025	5.64	16320	8.36	68%

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