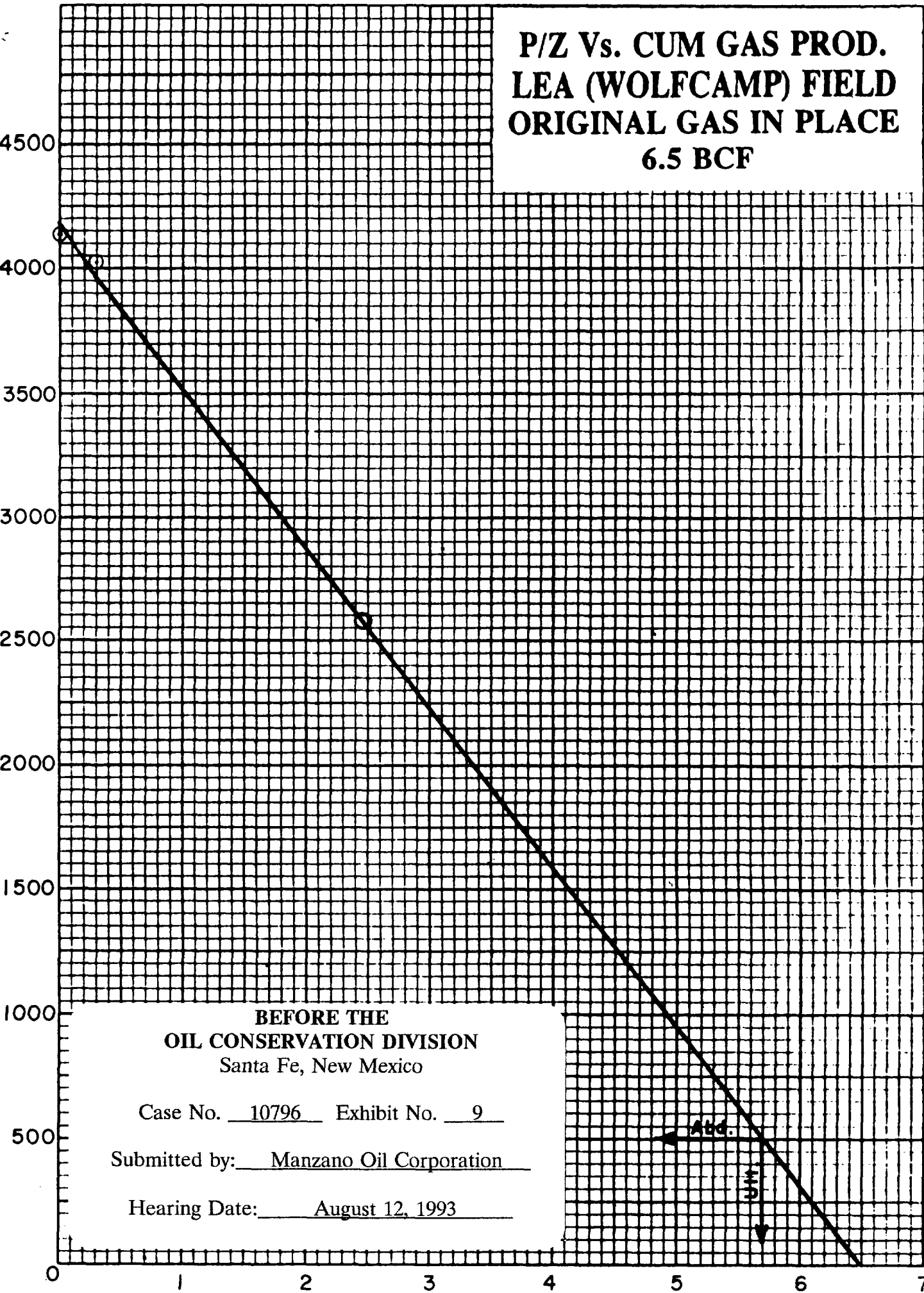


**P/Z Vs. CUM GAS PROD.
LEA (WOLFCAMP) FIELD
ORIGINAL GAS IN PLACE
6.5 BCF**

Bottom Hole Pressure, Psi/z



**BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico**

Case No. 10796 Exhibit No. 9

Submitted by: Manzano Oil Corporation

Hearing Date: August 12, 1993

Cumulative Gas Production, Million mcf

--BHPCUM--
Calculates BHP from surface pressure
and creates BHP/Z-vs-Cum plot

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Version 2.0

WELL NAME: Osudo
GAS GRAVITY: 0.73
CONDENSATE (YES=1) 1
RESERVOIR TEMP: 155 'F
SURFACE TEMP: 80 'F
DEPTH OF ZONE: 11,450 feet
ABAND. PRESSURE: 500 psia

31-Jul-93
% N2: 1.26
% CO2: 2.18
% H2S: 0.00
Pc = 670.22
Tc = 387.52

Enter BHP if known	CUM GAS mcf	SURFACE P psia	BHP psia	Z	BHP/Z
3,600	0	0	3,600	0.8681	4,147
3,460	299,171		3,460	0.8598	4,024
2129	2,465,283	0	2,129	0.8250	2,581
GIP	6,461,590				
REC	5,688,708				

-- Gas Viscosity --

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Well Name Neuhaus Fed. "14"
Field Name Osudo

31-Jul-93

Pressure	2,129 psia	-----	
Reservoir Temp	155 'F	Z factor	0.825
Gas Gravity	0.734	Pressure/Z	2,581
Condensate (yes=1)	1	Gas Viscosity	0.01747
% N2	1.26 %	-----	
% CO2	2.18 %		
% H2S	0.00 %		