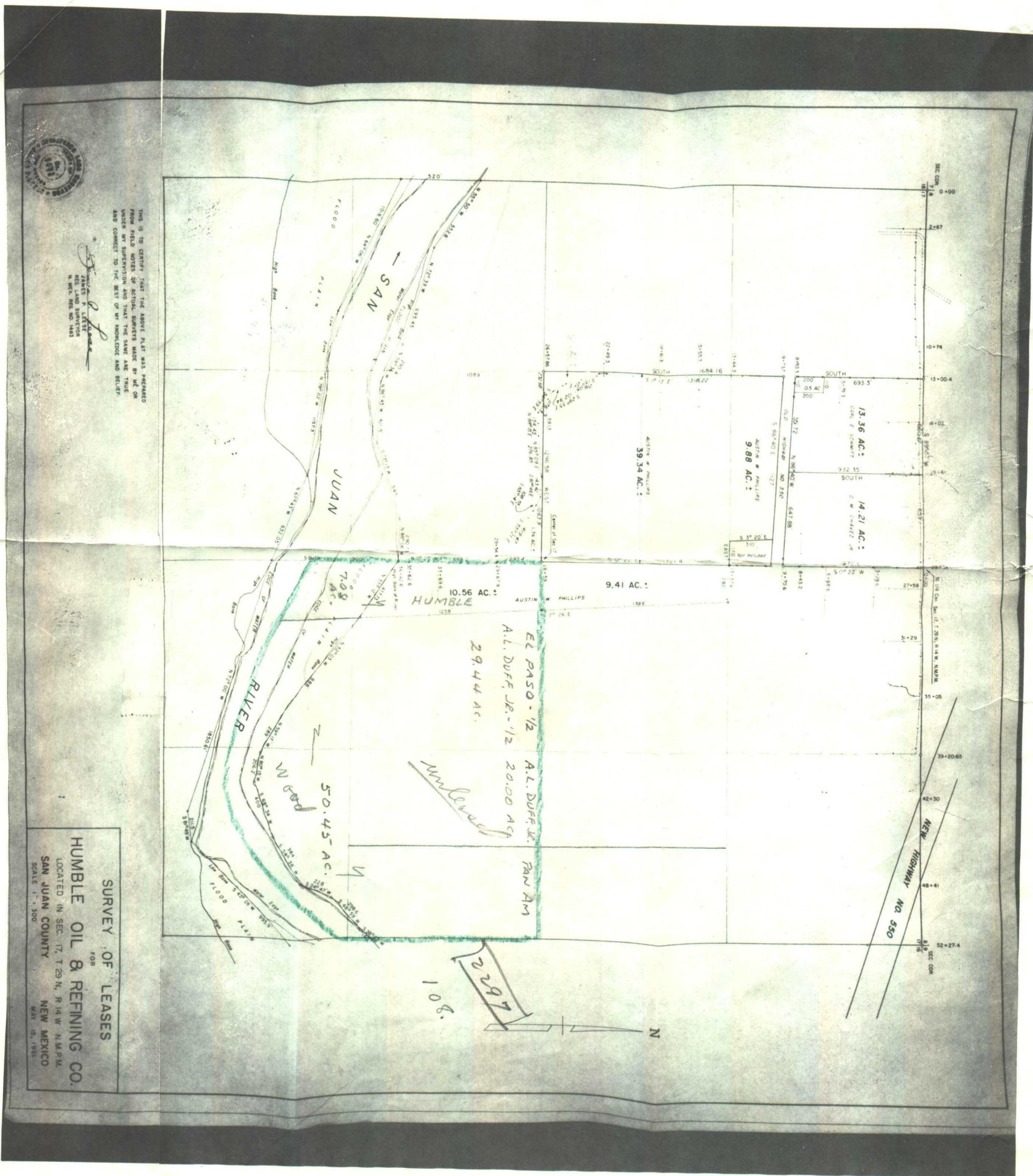


LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

BEST AVAILABLE COPY

BEST AVAILABLE COPY

Exhibit A.



8-21882
39.00
40.00
20.69
99.59
8.25
108.84

BEST AVAILABLE COPY

CASE 2318

EL PASO NATURAL GAS PRODUCTS CO.

FORCE POOLING

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. _____

BASIC RESERVOIR DATA FOR CHA CHA - GALLUP POOL,
SAN JUAN COUNTY, NEW MEXICO

$$\text{Original Oil in Place} = \frac{7758 \text{ (Ac-Ft)} (\text{Porosity}) (1 - \text{Water Sat.})}{\text{Oil Vol. Factor}}$$

Where; Porosity	=	14.7%
Water Sat.	=	35.0%
Oil Vol. Factor	=	1.392

$$\text{Therefore, O. O. I P.} = \frac{(7758) (1) (0.147) (0.65)}{1.392} = 532.53 \text{ bbl/ac-ft}$$

$$\text{Ultimate Primary Recovery} = 13.7\% \times 532.53 = 72.9 \text{ bbl/ac-ft}$$

Note: All basic data was taken from an engineering committee report dated May 11, 1961. Study was conducted jointly by Pan American, Humble and El Paso Products with Pan American as Chairman.

ECONOMICS OF PRIMARY RESERVE FOR AN AVERAGE 80-ACRE WELL,
PROPOSED NORTHWEST CHA CHA - GALLUP UNIT,
SAN JUAN COUNTY, NEW MEXICO

Gross Oil Reserve = 72.9 bbl/ac-ft x 80 acres x 6.52 feet
Gross Oil Reserve = 38,025 bbl

Net W.I. Oil Reserve = 33,272 bbl

Value of W.I. Oil @ \$2.50 = \$83,180

Less Operating Cost *	=	\$ 8,460
Less Well Development Cost	=	\$ 60,000
Less Pumping Equipment Cost	=	\$ 8,500

Profit to W.I. Owner on Oil = \$ 6,220

Value of Casinghead Gas = \$ 6,064

Total Profit = \$ 12,284

* \$150 per well per month x 56.4 months

ECONOMICS OF PRIMARY RESERVE FOR FORCED POOL WELL WITH
117.53 ACRE DEDICATION

Gross Oil Reserve	=	72.9 bbl/ac-ft x 117.53 acres x 6 ft.
Gross Oil Reserve	=	51,407 bbl
Net W.I. Oil Reserve	=	44,981 bbl
Value of W.I. Oil @ \$2.50	=	\$112,452
Less Operating Cost	=	\$ 8,460
Less Well Development Cost	=	\$ 60,000
Less Pumping Equipment Cost	=	\$ 8,500
Profit to W.I. Owner on Oil	=	\$ 35,492
Value from Casinghead Gas	=	\$ 8,198
Total Profit	=	\$ 43,690
Ratio of Profit to Investment	=	0.64