

GAS IN PLACE, RECOVERABLE GAS, AND
GAS REMAINING ON 12/1/85
MESCAL CHANNEL SANDSTONE RESERVOIR
LITTLE BOX CANYON MORROW FIELD

I. BASIC DATA

BHP Measurements

<u>Well</u>	<u>Date</u>	<u>Time Shut In</u>	<u>BHP</u>	<u>Depth</u>
Mescal "SE" Fed. 1	2/4/82	Unknown	2743	8129-34
LIBU #5	3/9/84	45.822 hrs.	2499	8030
LIBU #5	10/2/84	208 days	2399	8030

Production - Mescal "SE" Federal No. 1.

<u>Time Produced</u>	<u>MCF Produced</u>	<u>Pressure Decline</u> <u>Psi</u>
Cumulative to 3/9/84	815,380 MCF	244
Cumulative to 10/2/84	1,096,612 MCF	344
Cumulative to 12/1/85	1,658,735 MCF	--

Assumed Abandonment Pressure - 200 psi

II. CALCULATION OF RESERVES IN PLACE AND RECOVERABLE GAS

1) Based on 3/9/84 BHP

$$\frac{2743}{244} \times 815,380 \text{ MCF} = 9,166,341 \text{ MCF In Place}$$

$$\frac{(2743-200)}{244} \times 815,380 \text{ MCF} = 8,497,997 \text{ MCF Recoverable}$$

2) Based on 10/2/84 BHP

$$\frac{2743}{344} \times 1,096,612 \text{ MCF} = 8,744,205 \text{ MCF In Place}$$

$$\frac{(2743-200)}{344} \times 1,096,612 \text{ MCF} = 8,106,640 \text{ MCF Recoverable}$$

III. RECOVERABLE GAS AS OF 12/1/85

Original Recoverable Reserves	8,106,640	MCF
Production to 12/1/85	<u>1,658,735</u>	
Recoverable Gas 12/1/85	6,447,905	MCF

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

Exhibit No. 8
Case No. 8296