

PRODUCTIVITY TESTS  
E. Saunders Permo-Penn Pool  
Lea County, New Mexico

BASIC DATA:

<u>Well No.</u>	<u>Date</u>	<u>Oil Production Rate</u> <u>B/D</u>	<u>Pressure</u> <u>Drawdown</u> <u>Psig</u>	<u>Productivity</u> <u>Index</u> <u>B/D/Psi</u>
1	3/30/62	81	8	10.12
1	6/6/62	184	37	4.97
2	6/20/62	250	43	5.81

Minimum Productivity Index = 4.97 B/D/psi

CALCULATIONS:

160-acre proration unit allowable

$$35 \text{ B/D} \times (4.67 + 3.00) = 269 \text{ B/D}$$

Maximum pressure drawdown in well bore  
at 160-acre allowable

$$269 \text{ B/D} \div 4.97 \text{ B/D/psi} = 54. \text{ psi}$$

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
_____	EXHIBIT NO. <u>13</u>
CASE NO. _____	