

EMPIRE SOUTH DEEP UNIT NO. 4  
EMPIRE, SOUTH (WOLFCAMP)

Production tests just prior to SI & BHP build-up 3/13/76. Well SI to make up cumulative overproduction of gas.

Tests run to determine effect of producing rate on GOR.

<u>Date</u>	<u>BO</u>	<u>BW</u>	<u>MCF</u>		<u>TPF</u>	<u>Choke</u>
			<u>Gas</u>	<u>COR</u>		
3/9/76	182	0	615	3381	1200	10/64"
3/10/76	140	0	579	4135	1200	10/64"
3/11/76	57	0	316	5548	1350	8/64"
	SI 17 days: 3/13/76 to 3/30/76					
3/31/76	445	0	851	1912	800	24/64"

This was regular required NMOCC test.

(NOTE: Gas volumes from NMOCC Manual for GOR Determination)

Production prior to being shut-in:

<u>Month</u>	<u>BO</u>	<u>MCF Gas</u>	<u>Avg GOR</u>	<u>BOPD</u>
				<u>Avg Rate</u>
December, 1975	11,538	36,305	3147	372
January, 1976	10,445	35,442	3393	337
February, 1976	4,636	15,184	3275	356
(produced only 13 days)				

Bottom hole pressure at 8485' (-4887' subsea)

Flowing: 2065 psi  
147-hour SI: 2200 psi (not built up)