

NORTH LOVINGTON WOLFCAMP FIELD
FOUR WELLS: SECTION 11, T16S, R36E
LEA COUNTY, NEW MEXICO

Date	Chipshot #1		Double Eagle #1		Chipshot #2		Big Bertha #1		Total Production
	Extrap. BHP, psi	Production	Extrap. BHP, psi	Production	Extrap. BHP, psi	Production	Extrap. BHP, psi	Production	
July 5, 1996	Orig Press from DST	3656 Zero							Zero
Nov 20, 1996		16,089 BO 26,300 MCF	Orig press from DST	3646 Zero		Zero		Zero	16,089 BO 26,300 MCF
Dec 6, 1996		No boundary effect		Zero		Zero		Zero	18,430 BO 29,627 MCF
Mar 3, 1997	Boundary effect due to offset production	3621 38,884 BO 62,255 MCF		3627 11,087 BO 16,188 MCF		Zero		Zero	49,971 BO 78,443 MCF
Apr 28, 1997		3552 50,730 BO 81,427 MCF		3559 20,923 BO 34,002 MCF	3547	2,373 BO 3,131 MCF		Zero	74,026 BO 118,560 MCF
Jun 2, 1997		57,130 BO 92,320 MCF		30,124 BO 50,364 MCF		7,211 BO 10,435 MCF	Orig Press from DST	3509 Zero	94,465 BO 153,119 MCF
Aug 1, 1997		72,525 BO 117,914 MCF		34,694 BO 58,361 MCF		13,189 BO 20,344 MCF		2,678 BO 4,017 MCF	123,086 BO 200,636 MCF

Pressure Drop
From Orig: 3656 psi - 3509 psi = 147 psi

Production Per psi Drop = 94,465/147
= 643 BO/psi

At 200 psi Abd. Pressure
Possible Production: (3656 psi - 200 psi) (643 $\frac{\text{bbl}}{\text{psi}}$)
= 2,350,808 BO

Original Oil In Place: 13,828,000 bbls

Areal Drainage: 896 Acres

- Based on Reservoir Properties
- 1. Net Pay = 50'
 - 2. Porosity = 8%
 - 3. Water Saturation = 20%
 - 4. Primary Recovery = 17%

BEFORE THE
OIL CONSERVATION DIVISION
Santa Fe, New Mexico

Case No. 11675 (Reopened) Exhibit No. 3

Submitted by: Manzano Oil Corporation

Hearing Date: August 21, 1997