

STATE OF NEW MEXICO
Deviation Report

Operator: Grace Petroleum Corporation
Contractor: Republic Drilling and Service, Inc.
Well: West Tonto Fed. Comm A-1-Y
County: Lea County, New Mexico

<u>Deviation</u>	<u>Depth</u>
.25°	108'
1.00°	616'
1.00°	814'
1.00°	1,020'
1.00°	1,305'
1.25°	1,820'
1.75°	2,170'
2.25°	2,292'
.25°	2,600'
.50°	2,720'
.50°	2,820'
1.50°	2,940'
1.00°	3,077'
1.00°	3,287'
1.00°	3,590'
1.00°	3,875'
1.00°	4,329'
1.50°	4,800'
1.50°	5,000'
1.25°	5,295'
2.00°	5,780'
2.00°	5,930'
1.75°	6,072'
2.00°	6,375'
2.25°	6,539'
2.25°	6,630'
2.00°	6,715'
1.75°	6,840'
2.00°	6,962'
1.75°	7,098'
2.00°	7,368'
1.75°	7,679'
2.25°	7,965'

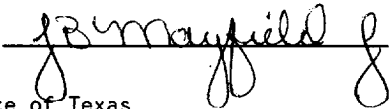
STATE OF NEW MEXICO

Deviation Report

Page Two

<u>Deviation</u>	<u>Depth</u>
1.75°	8,085'
1.50°	8,365'
1.25°	8,665'
1.25°	8,985'
1.75°	9,650'
2.00°	10,157'
1.75°	10,409'
2.25°	10,790'
2.00°	11,250'
2.00°	11,876'
2.25°	12,230'

REPUBLIC DRILLING AND SERVICE, INC.

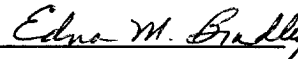
By: 

State of Texas

County of Harris

The foregoing instrument was acknowledged before me this 2nd day of June, 1982.

Witness my hand and official seal.


Edna M. Bradley