

OPERATOR YATES PETROLEUM CORPORATION ✓ ADDRESS 207 S. 4th St., Artesia, NM 88210
 LEASE NAME Long Arroyo "MQ" Federal WELL NO. #2 FIELD _____
 LOCATION 660'FWL & 990'FEL, Section 26, T-14-S, R-27-E, Chaves Co., NM

ANGLE			DISPLACEMENT	DISPLACEMENT ACCUMULATED
DEPTH	INCLINATION DEGREES			
295	1/2	2.58	RECEIVED	2.58
605	1/4	1.35	DEC 3 1982	3.93
1111	1/4	2.21		6.14
1648	1 3/4	16.40		22.54
1909	3/4	3.42		25.96
2406	1 1/2	13.01	O. C. D.	38.97
2706	1 3/4	9.16	ARTESIA, OFFICE	48.13
3024	1	5.55		53.68
3510	1 1/4	10.60		64.28
4010	1	8.73		73.01
4467	1 1/4	9.97		82.98
4961	2 1/4	19.39		102.37
5456	2 1/4	19.43		121.80
5988	1 3/4	16.25		138.05
6480	2	17.17		155.22
6973	1 3/4	15.06		170.28
7478	1 1/2	13.22		183.50
7937	1 1/4	10.02		193.52
8420	2 3/4	23.17		216.69

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

LANDIS DRILLING COMPANY

Gary W. Chappell
 TITLE Vice President - Contracts

AFFIDAVIT:

Before me, the undersigned authority, appeared Gary W. Chappell known to me to be the person whose name is subscribed herebelow, who on making deposition, under oath states that he is acting for and in behalf of the Operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Pamela A. Hughes
 AFFIDANT'S SIGNATURE

Sworn and subscribed to in my presence on this the 4th day of November, 1982.

Pamela A. Hughes
 Notary Public in and for the