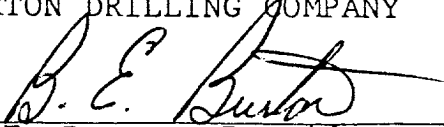


DEVIATION TESTS
FOR
NORTHERN NATURAL GAS COMPANY

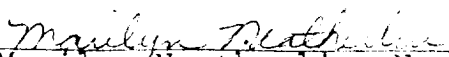
CARLSBAD STATE COMM. #1
SECTION 16, T-22-S, R-27-E
EDDY COUNTY, NEW MEXICO

<u>DEPTH (FEET)</u>	<u>DEVIATION (DEGREES)</u>	<u>DEPTH (FEET)</u>	<u>DEVIATION (DEGREES)</u>
200	3/4	4746	3/4
508	1/4	5270	1-1/4
635	3/4	5521	3/4
892	1/2	6017	1/2
1000	3/4	6517	3/4
1130	3/4	7015	1-1/2
1250	2-1/4	7134	1-1/2
1325	2	7290	1-1/4
1511	1-3/4	7444	1-1/2
1630	2	7600	1-1/2
1780	1-1/2	7757	1-1/2
1910	1-1/2	7944	2
2030	1/2	8132	1-3/4
2160	1	8225	1-3/4
2277	1-1/2	8725	1-3/4
2400	3/4	8859	1
2675	3/4	9483	1-3/4
2950	3/4	9957	1-3/4
3261	3/4	10518	1-1/2
3571	3/4	10590	1
3881	3/4	11052	1
4191	3/4	11526	3/4
4498	1/2	11827	3/4

WARTON DRILLING COMPANY


B. E. Burton, President

Subscribed and sworn to before me this 29th day of May, 1980.


Marilyn Neatherlin, Notary Public in
and for Ector County, Texas