

20-020 11100

660/N + 1980/W

Grace Petroleum Corporation 6501 N. Broadway Oklahoma City, OK 73116

Grace Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH	
.75	907	1.00	4791				
1.00	1427	.75	5284				
1.25	1952	.50	5748				
.75	2400	1.00	6242				
3.25	2649	.75	6735				
2.75	2737	1.75	7257				
3.25	2861	1.75	7480				
3.25	2894	.75	7691				
2.75	2985	1.25	8209				
3.50	3170	1.50	8490				
2.50	3232	1.25	8870				
2.50	3360	2.75	9136				
2.75	3483	2.25	9225				
1.50	3595	2.00	9350				
1.50	4393						

Drilling Contractor Grace Drilling Company

By

Subscribed and sworn to before me this 5 day of March, 19 91

Karen A. Hamilton
Notary Public

My Commission Expires 11/19/94

Ector County Texas