

MEDANO VA STATE #12

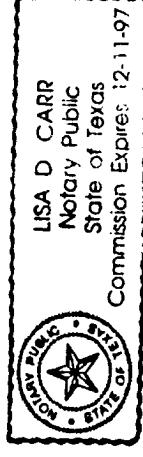
<u>Measured (feet)</u>	<u>Course Length (Hundreds of feet)</u>	<u>Angle of Inclination (Degrees)</u>	<u>Displacement per Hundred Feet (Sine of Angle X100)</u>	<u>Course Displacement (feet)</u>	<u>Accumulative Displacement (feet)</u>
497	497	0.25	0.44	2.19	2.19
990	493	0.75	1.31	6.46	8.65
1486	496	0.75	1.31	6.50	15.15
1886	400	0.75	1.31	5.24	20.39
2134	248	0.50	0.87	2.16	22.55
2380	246	0.75	1.31	3.22	25.77
2660	280	0.50	0.87	2.44	28.21
3095	435	1.50	2.62	11.40	39.61
3410	315	2.00	3.49	10.99	50.60
3530	120	2.50	4.36	5.23	55.83
3659	129	2.00	3.49	4.50	60.33
4052	393	1.75	3.05	11.99	72.32
4532	480	1.00	1.75	8.40	80.72
5029	497	1.00	1.75	8.70	89.42
5525	496	0.50	0.87	4.32	93.74
6013	488	1.00	1.75	8.54	102.28
6510	497	1.25	2.18	10.83	113.11
6975	465	1.25	2.18	10.14	123.25
7480	505	1.75	3.05	15.40	138.65
8150	670	1.75	3.05	20.44	159.09

Accumulative total displacement of well bore at total depth of 8150 feet = 159.09 feet.

Inclination measurements were made in: Drill Pipe

Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? No

D.E. Laxton, Vice President-Gen. Mgr.
F W A Drilling Company, Inc.
(915) 694-2531



John W. Pace
John W. Pace
Operations Administrator
F W A Drilling Company, Inc.
(915) 694-2531

John D. Carr
My Commission Expires
12/97