

DEVIATION SURVEY

FEDERAL "19" NO. 1
LEA COUNTY, NEW MEXICO

Location: Unit N, Section 19, T-19-S, R-33-E, Lea County, New Mexico

Operator: AMINOIL USA, INC.

<u>Measured Depth (Feet)</u>	<u>Deviation</u>	<u>Accumulative Displacement (Feet)</u>
276	1 1/2°	1.88
695	1°	9.21
924	1-3/4°	16.19
1170	1-1/4°	21.50
1533	1-1/2°	31.01
1782	1-1/4°	36.39
2300	1°	45.46
2774	2-1/2°	66.13
2868	1-3/4°	69.00
2972	1-3/4°	72.17
3116	1-3/4°	76.56
3272	1°	79.29
3671	1-1/4°	87.91
4124	3/4°	93.84
4771	1/2°	99.47
5030	3/4°	102.86
5338	1/4°	104.22
5940	1/2°	109.46
6343	1-1/2°	120.02
6850	1-3/4°	135.48
7090	2°	143.86
7341	2°	152.62
7491	2°	157.86
7740	2-1/2°	168.72
8039	1-3/4°	177.84
8177	2°	182.66
8392	1-1/2°	188.29
8640	1-1/2°	194.79
8914	1°	199.59
9195	1-1/2°	206.95
9506	1-1/2°	215.10
9786	1-1/2°	222.44