

CALCULATION OF MAXIMUM DEVIATION DRILLED

WELL NAME: YOUNG DEEP UNIT # 8
 LEGAL LOC: A, 660' FNL & 860' FEL,
 SEC. 9, T-18S, R 32E, LEA CO., NM
 OPERATOR: HARVEY E. YATES COMPANY
 CONTRACTOR: MORANCO

DEGREES	DEPTH (MD/FT)	DEVIATION FEET
0	193	0
0.5	461	2.339
0.5	666	1.789
1	1059	6.859
1	1430	6.475
0.5	1832	3.508
0.75	2235	5.275
1	2464	4.346
0.5	2862	3.299
0.75	3246	5.026
1	3600	6.178
1	4105	8.813
1.25	4508	8.791
1.25	4879	8.093
1	5278	6.964
1.25	5650	8.115
1.25	6053	8.791
2.25	6453	15.704
2	6608	5.409
2	6793	6.456
1.75	6980	5.711
2.25	7383	15.822
2.75	7691	14.777
3.25	7784	5.272
2.75	7866	3.934
3	7907	2.146
3	7968	3.192
3.25	8400	24.491
4	8700	20.927
TOTALS:	46.75	218.504

BEFORE EXAMINER Catenach

OIL CONSERVATION DIVISION

EXHIBIT NO 5CASE NO. 9216SUBMITTED BY ApplicantHEARING DATE 9/23/87