

PROPOSAL**BECHFIELD**
DRILLING SERVICES

COMPANY: TEXACO E&P
WELL: BONE SPRINGS HORIZONTAL
LOCATION: LEA COUNTY, NEW MEXICO

DATE: 01/30/96
PROPOSAL NO: P96-009N

SURVEY CALCULATION PROGRAM**MINIMUM CURVATURE CALCULATIONS****PROPOSED DIRECTION 10.0**

SUR NO.	MD	INC	TRUE AZM	TVD	N-S	E-W	SECT	DLS/ 100
KO	8133.0	0.0	10.0	8133.0	0.0	0.0	0.0	0.0
1	8233.0	12.0	10.0	8232.3	10.3	1.8	10.4	12.0
2	8333.0	24.0	10.0	8327.2	40.7	7.2	41.3	12.0
3	8433.0	36.0	10.0	8413.6	89.8	15.8	91.2	12.0
4	8533.0	48.0	10.0	8487.8	155.6	27.4	158.0	12.0
5	8633.0	60.0	10.0	8546.5	235.1	41.5	238.7	12.0
6	8733.0	72.0	10.0	8587.1	324.9	57.3	329.9	12.0
7	8833.0	84.0	10.0	8607.8	421.1	74.2	427.6	12.0
8	8876.3	89.2	10.0	8610.4	463.6	81.8	470.8	12.0
9	10676.3	89.2	10.0	8635.6	2236.1	394.3	2270.6	0.0
10	10692.3	90.0	10.0	8635.7	2251.9	397.1	2286.6	5.0
11	10712.3	91.0	10.0	8635.5	2271.6	400.5	2306.6	5.0
12	12706.0	91.0	10.0	8600.7	4234.7	746.7	4300.0	0.0