

MARBOB ENERGY CORP.
Directional Survey Report
Version 2.4

Company: MARBOB ENERGY CORP.
Well: CF#11 ST
Location: CHAVEZ, CO. N.M.
Field: STATE
Operator: NEWTON-JOHNSON
Job No.: 7PCT167

Survey File ->
29 Nov 1997
Probe 2425
Depth Units: Feet
Dec: 9.5

VS Azimuth = 0.0
VS Origin North = 0.0
VS Origin East = 0.0

Method: Minimum Curvature

Station	MD	Inc	Az	North	East	TVD	VS	DL	DS
19	6706.0	86.9	0.5	278.9	125.1	6534.4	278.9	7.4	ST
20	6738.0	86.2	1.4	310.8	125.6	6536.3	310.8	3.5	ST
21	6770.0	84.6	1.5	342.7	126.4	6538.9	342.7	5.0	ST
22	6799.0	87.3	359.3	371.6	126.6	6540.9	371.6	12.0	ST
23	6833.0	90.1	357.2	405.6	125.6	6541.7	405.6	10.3	ST
24	6864.0	90.3	357.6	436.5	124.2	6541.6	436.5	1.4	ST
25	6895.0	88.6	358.8	467.5	123.2	6541.9	467.5	6.7	ST
26	6926.0	90.1	358.2	498.5	122.4	6542.2	498.5	5.2	ST
27	6959.0	84.5	357.2	531.4	121.1	6543.7	531.4	17.1	ST
28	6992.0	84.8	356.8	564.2	119.4	6546.8	564.2	1.4	ST
29	7023.0	86.3	356.0	595.1	117.5	6549.2	595.1	5.7	ST
30	7055.0	88.4	356.0	627.0	115.2	6550.7	627.0	6.4	ST
31	7087.0	90.6	357.2	658.9	113.3	6551.0	658.9	8.0	ST
32	7116.0	91.9	357.4	687.9	111.9	6550.3	687.9	4.3	ST
33	7145.0	92.5	357.3	716.8	110.6	6549.2	716.8	2.4	ST
34	7176.0	90.9	357.1	747.8	109.1	6548.3	747.8	5.4	ST
35	7205.0	89.2	356.4	776.7	107.5	6548.3	776.7	6.2	ST
36	7236.0	90.7	356.8	807.7	105.6	6548.3	807.7	4.9	ST
37	7268.0	91.4	356.7	839.6	103.8	6547.7	839.6	2.4	ST