

HANNIFIN AND COOK
 EDDY CO NEW MEXICO
 MERLAND
 WELL NO1
 SINGLE SHOT SURVEY

PAGE 1

 * SUBMITTED BY
 * EASTMAN-WHIPSTOCK
 * INC.
 *

FEBRUARY 12 1974

RECORD OF SURVEY

MEAS. DEPTH	TRUE VERT. DEPTH	ANGLE OF INCLIN D M	COURSE DIRECTION D M	DOG LEG DEG PER 100	RECTANGULAR COORDINATES
0	.00	0 0	N 0 0 E	.00	.00 .00
400	400.00	0 15	N 25 0 E	.06	1.58 N .74 E
500	539.99	0 15	N 57 0 E	.03	1.92 N 1.54 E
800	799.96	1 0	N 7 0 E	.45	5.39 N 1.97 E
1000	999.92	1 15	N 0 0 E	.14	9.75 N 1.97 E
1200	1199.79	2 0	N 0 0 E	.33	16.74 N 1.97 E
1390	1389.61	2 30	N 25 0 E	.57	24.25 N 5.47 E
1453	1452.55	2 30	N 21 0 E	.28	26.82 N 6.46 E
1540	1639.38	2 30	N 36 0 E	.35	33.42 N 11.36 E
1740	1739.31	2 0	N 41 0 E	.54	36.05 N 13.55 E
1850	1859.24	2 0	N 36 0 E	.15	39.44 N 16.71 E
1970	1969.17	2 0	N 32 0 E	.13	42.70 N 18.05 E
2130	2129.02	2 30	N 47 0 E	.43	47.46 N 23.16 E
2306	2304.91	2 0	N 31 0 E	.45	52.72 N 26.32 E
2490	2489.80	2 0	N 33 0 E	.04	58.11 N 29.92 E
2674	2672.69	2 0	N 49 0 E	.30	62.72 N 34.67 E
2866	2864.57	2 0	N 52 0 E	.05	66.43 N 39.87 E
3046	3044.49	1 45	N 57 0 E	.17	69.44 N 44.57 E
3230	3228.40	1 45	N 35 0 E	.36	74.04 N 47.73 E
3415	3413.36	1 15	N 37 0 E	.27	77.27 N 50.22 E
3600	3599.30	1 30	N 47 0 E	.13	80.57 N 53.77 E
3800	3798.26	1 0	N 31 0 E	.30	87.56 N 55.57 E
3999	3997.23	1 0	N 60 0 E	.25	85.30 N 58.53 E
4183	4181.19	1 15	N 22 0 E	.42	89.02 N 60.02 E
4368	4366.16	1 0	N 90 0 E	.69	89.02 N 63.31 E

BOTTOM HOLE CLOSURE 109.24 FEET AT N 35 24 22 E

(METHOD OF COMPUTATION--TANGENTIAL)

AFIN