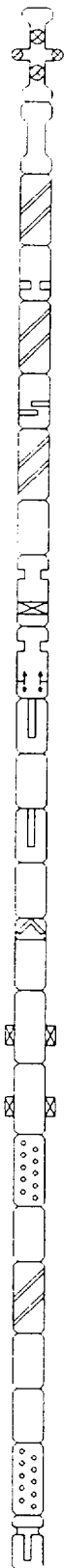


MEDALLION PRODUCTION CO.

TWEEDY-9 #1

TOOL STRING SCHEMATIC



TOOL DESCRIPTION	OD	ID	LENGTH	DEPTH
SURFACE FLOWHEAD				0
DRILL PIPE 16#	4.50	3.82	8631	8631
DRILL COLLARS	6.25	2.25	458.9	9089.9
PUMPOUT DISK REVERSING VALVE	6.00	3.00	0.979	9090.88
DRILL COLLARS	6.25	2.25	90.97	9181.85
BREAKOFF PIN REVERSING VALVE	6.00	3.00	1.012	9182.86
DRILL COLLARS	6.25	2.25	120.1	9302.96
CROSS OVER SUB	6.00	2.50	0.697	9303.66
MFE (MFEV-B)	5.75	0.94	10.02	9313.68
MFE OH BYPASS (MBYP-B)	5.00	1.18	2.980	9316.66
INSIDE RECORDER CARRIER	4.88	1.25	5.910	9322.57
CROSS OVER SUB	6.00	2.50	1.180	9323.75
INSIDE RECORDER CARRIER	5.75	3.00	6.290	9330.04
CROSS OVER SUB	6.00	2.50	0.790	9330.83
TR HYDRAULIC JAR (FJAR-B)	4.75	1.88	6.885	9337.71
BOB TAIL PACKER	7.00	1.50	6.110	9343.82
BOB TAIL PACKER	7.00	1.50	6.180	9350
PERFORATED ANCHOR	5.75	3.00	5.900	9355.9
CROSS OVER SUB	6.00	2.50	1.186	9357.09
DRILL COLLARS	6.25	2.25	247.6	9604.69
BIT SUB	6.25	2.25	2.720	9607.41
DOUBLE PIN CROSS OVER SUB	6.00	2.50	0.620	9608.03
PERFORATED ANCHOR	5.75	3.00	10.00	9618.03
PERFORATED RECORDER CARRIER	5.75	3.00	6.970	9625

Report Number: 139312

Test Date: 18-FEB-1996

Note: All Depths to Bottom of Tool

Schlumberger