

H.L. BROWN JR.
N. FEATHER STATE UNIT #2
TOOL STRING SCHEMATIC

	TOOL DESCRIPTION	OD	ID	LENGTH	DEPTH
	SURFACE FLOWHEAD				0
	DRILL PIPE 16#	4.50	3.82	31.00	31
	SINGLE BALL SAFETY VALVE	6.50	2.25	2.860	33.86
	DRILL PIPE 16#	4.50	3.82	8951.	8984.86
	DRILL COLLARS	6.25	2.25	531.8	9516.66
	PUMPOUT DISK REVERSING VALVE	6.00	3.00	0.970	9517.63
	DRILL COLLARS	6.25	2.25	93.11	9610.74
	BREAKOFF PIN REVERSING VALVE	6.00	3.00	1.012	9611.75
	DRILL COLLARS	6.25	2.25	93.00	9704.75
	CROSS OVER SUB	6.00	2.50	1.210	9705.96
	MFE (MFEV-B)	5.75	0.94	10.02	9715.98
	MFE OH BYPASS (MBYP-B)	5.00	1.18	2.980	9718.96
	INSIDE RECORDER CARRIER	4.88	1.25	5.910	9724.87
	TR HYDRAULIC JAR (FJAR-B)	4.75	1.88	6.885	9731.76
	SAFETY JOINT (SAJ-BA)	4.75	2.50	1.880	9733.64
	BOB TAIL PACKER	7.00	1.50	6.220	9739.86
	BOB TAIL PACKER	7.00	1.50	6.140	9746
	PERFORATED ANCHOR	4.75	2.25	5.660	9751.66
	CROSS OVER SUB	6.00	2.56	0.700	9752.36
	DRILL COLLARS	6.25	2.25	94.14	9846.5
	CROSS OVER SUB	5.75	2.12	1.200	9847.7
	PERFORATED ANCHOR	4.75	2.25	23.00	9870.7
	OUTSIDE RECORDER CARRIER	4.75	2.75	7.300	9878

Report Number: 151004
Test Number: ONE
Test Date: 18-APR-1997

Schlumberger