

H. L. BROWN, Jr.
NORTH FEATHER STATE UNIT #2
TOOL STRING SCHEMATIC

	TOOL DESCRIPTION	OD	ID	LENGTH	DEPTH
	SURFACE FLOWHEAD				0
	DRILL PIPE (16.6#)	4.50	3.826	8951	8951
	DRILL COLLARS	6.25	2.250	563	9514
	PUMPOUT DISK REVERSING VALVE	6.25	3.250	1.00	9515
	DRILL COLLARS	6.25	2.250	93.88	9608.88
	BREAKOFF PIN REVERSING VALVE	6.25	3.000	0.92	9609.8
	DRILL COLLARS	6.25	2.250	93.29	9703.09
	CROSS OVER SUB	6.00	2.438	0.75	9703.84
	MFE (MFEV-B)	5.00	1.000	9.83	9713.67
	MFE OH BYPASS (MBYP-B)	5.00	1.000	2.98	9716.65
	INSIDE RECORDER CARRIER	4.88	1.500	5.91	9722.56
	D&C HYDRAULIC JAR	4.75	1.875	7.75	9730.31
	UPPER STRADDLE BYPASS SUB	4.75	1.250	0.67	9730.98
	SAFETY JOINT (SAJ-BA)	4.75	2.500	2.46	9733.44
	BOB TAIL PACKER	7.00	1.500	6.10	9739.54
	BOB TAIL PACKER	7.00	1.500	6.46	9746
	PERFORATED ANCHOR	4.75	2.250	31.19	9777.19
	LOWER STRADDLE BYPASS SUB	4.75	0.000	0.69	9777.88
	CROSS OVER SUB	6.00	2.750	0.72	9778.6
	DRILL COLLARS	6.25	2.250	64.9	9843.5
	CROSS OVER SUB	5.75	2.000	0.59	9844.09
	OUTSIDE RECORDER CARRIER	4.88	1.250	5.91	9850
	BOB TAIL PACKER	7.00	1.500	3.75	9853.75
	BOB TAIL PACKER	7.00	1.500	6.22	9859.97
	PERFORATED ANCHOR	4.75	2.250	11.88	9871.85
	OUTSIDE RECORDER CARRIER	5.75	1.250	6.15	9878

Report Number: 150933
Test Number: THREE
Test Date: 22-APR-1997

Schlumberger