

PROPOSED WELL PLAN OUTLINE

WELL NAME **HARDY 36 STATE NO.3 (Tubb-Drinkard)**
 LOCATION **2080'FNL, 1730'FEL SECT. 36 T-20S R-37E LEA CO.**

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	WT	MUD TYPE	DAYS
0			POSSIBLE HOLE ENLARGEMENT & SLOUGHING		12-1/4"				8.4	FRESH	
1		RUSTLER 1430'			8-3/4"	9-5/8" 1500' 40# K-55 Circ Cement w/700 sss			10	BRINE	3
2		BASE SALT 2525' YATES 2610'		2-MAN MUD LOGGERS 3500' - TD							
3		7-RIVERS 2882'									5
4		GRAYBURG 3784'									
5		SAN ANDRES 4009'	Losses in Hardy 36 State No. 1 (8.7 PPG Fluid)	H2S MONITORS AT 4000'				LESS THAN 8.3			
6		GLORIETTA 5217'	POSSIBLE LOST CIRCULATION OR SEEPAGE. W.U. 35 HAD STUCK PIPE DUE TO DIFFERENTIAL STICKING WHILE DRILLING THRU GLORIETTA						10.2	5200' mud up BRINE STARCH	8
7		BLINEBRY 5763'	POSSIBLE SEEPAGE FROM BLINEBRY - TD								10
8		TUBB 6308' DRINKARD 6602'		GR-CAL-DDL-MSFL FROM 3500' - TD GR-CAL-FDC-CNL-PE FROM 3500' - TD							
9		TD 6975'		BRING GR-CAL TO SURFACE ON ONE SUITE		7" 6975' 26# K-55 Circ Cement W/ 1870 sss		LESS THAN 8.3			17

DATE **01 MAY 1994**

APPROVED _____
 DRILLING ENGINEER

 DIVISION DRILLING SUPERVISOR