

SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E. & P., INC
 WELL: NEW MEXICO "DF" STATE COM #3
 LOCATION: EDDY COUNTY, NEW MEXICO
 JOB NO: 32D0400144
 START: 4/30/00 FILE: TEXACO
 FINISH:
 INFORMATION PROVIDED BY: SDI
 HORIZONTAL COORDINATOR: BILL LAMB, BILL HOFFMAN

DIP1 = -20.39 deg = 69.61 deg
 TARGET1 = 7.032 ft TVD
 VS1 = 400 ft
 DIP2 = -20.39 deg = 69.61
 TARGET2 = 7.032 ft TVD
 VS2 = 400 ft

DATE: 05/05/00 TIME: 1:01 PM DECLINATION= 9.21 DIRECTION 325.00

#	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	CENTER		REQ'D BUR	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)		NORTH(+) SOUTH(-)	EAST(+) WEST(-)	
								TRUE	FALSE							
1	6791	1.93	43.22	6790.0	54.2	0.2	0.0			33.4	113.5	62.0	80.0	19.7		
2	6823	6.94	313.20	6821.9	56.2	22.5	15.7			40.2	82.3	62.2	81.7	18.7		
3	6878	25.87	306.14	6874.4	71.0	34.5	34.4			48.1	35.3	57.6	91.2	6.4		
4	6883	28.72	306.18	6878.9	73.2	77.0	77.0			44.9	31.7	56.8	92.5	4.6		
5	6916	54.57	314.03	6903.2	94.5	76.9	75.3			13.7	15.3	51.5	106.9	-12.0		
6	6933	60.26	316.87	6912.3	108.6	36.3	33.5			7.1	11.4	49.2	117.2	-22.0		
7	6965	66.61	317.75	6926.6	136.9	20.0	19.8			1.1	7.6	45.3	138.2	-41.4		
8	6996	69.92	317.17	6938.1	165.5	10.8	10.7			0.0	6.7	41.6	159.4	-60.9		
9	7028	70.43	316.96	6948.9	195.3	1.7	1.6			0.1	7.0	37.4	181.4	-81.4		
10	7060	68.14	316.60	6960.3	224.9	7.2	-7.2			0.3	6.7	33.1	203.2	-101.9		
11	7091	67.76	313.79	6971.9	253.2	8.5	-1.2			0.6	5.5	28.2	223.6	-122.1		
12	7123	67.24	314.04	6984.1	282.2	1.8	-1.6			1.3	4.1	22.5	244.1	-143.4		
13	7155	67.66	314.87	6996.4	311.3	2.7	1.3			1.4	2.6	17.1	264.8	-164.5		
14	7186	69.05	313.45	7007.9	339.6	6.2	4.5			0.2	1.7	11.7	284.9	-185.2		
3IT	7217	69.04	310.67	7018.9	367.8	8.4	0.0			0.3	1.1	5.2	304.3	-206.7		
	7252	69.04	310.67	7031.5	389.5	0.0	0.0			0.9	0.3	-2.9	325.6	-231.5		

