

DIAMONDBACK DIRECTION

HORIZONTAL SURVEY PROGRAM MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC. WELL: WEST DOLLARHIDE DRINKARD #123 LOCATION: LEA COUNTY, NEW MEXICO JOB NO: 9819420058				START: 5/21/98 FINISH: 5/24/98 FILE: SIDETRAK #01 EAST LATERAL INFORMATION PROVIDED BY: TEXACO E & P, INC. HORIZONTAL COORDINATOR: PHILLIPS, MEREDITH
DIP1 = 10.87 deg = 100.87 deg	TARGET1 = 6,440 ft TVD	VS1 = 572 ft		DATE: 5/24/98 MAG DECLINATION 9.11 EAST TIME: 12:10 PM GRID CORR.
DIP2 = 10.87 deg = 100.87 deg	TARGET2 = 6,358 ft TVD	VS2 = 1,000 ft		DIRECTION: 90.00

SVY #	MEASURED DEPTH	INCL (DRIFT)	TRUE				CENTER LINE				QUAD
			AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	
TIE	6200	1.2	179.8	6198.9	93.4	0.1	333.1	6.6	-6.7	93.4	S 0.2 E
1	6252	4.6	83.8	6250.9	95.5	9.3	280.8	6.9	-6.9	95.5	N 83.8 E
2	6259	7.2	83.7	6257.8	96.2	37.1	273.7	6.9	-6.9	96.2	N 83.7 E
3	6274	14.3	83.3	6272.5	99.0	47.3	258.4	6.5	-6.5	99.0	N 83.3 E
4	6291	22.6	83.0	6288.7	104.3	48.8	241.3	5.9	-5.9	104.3	N 83.0 E
5	6324	37.2	92.3	6317.2	120.7	46.3	209.6	5.5	-5.5	120.7	S 87.7 E
6	6355	51.1	100.3	6339.4	142.0	48.2	183.3	8.1	-8.1	142.0	S 79.7 E
7	6387	66.7	99.6	6355.9	168.9	48.8	161.7	12.8	-12.8	168.9	S 80.4 E
8	6417	75.2	98.8	6365.7	196.9	28.4	146.5	17.3	-17.3	196.9	S 81.2 E
9	6449	76.1	99.5	6373.6	227.5	3.5	132.7	22.2	-22.2	227.5	S 80.5 E
10	6480	76.2	100.3	6381.0	257.1	2.5	119.6	27.4	-27.4	257.1	S 79.7 E
11	6512	76.3	97.3	6388.6	287.9	9.1	106.1	32.2	-32.2	287.9	S 82.7 E
12	6544	76.9	93.1	6396.0	318.9	12.9	92.7	35.0	-35.0	318.9	S 86.9 E
13	6578	74.0	89.4	6404.6	351.7	13.6	77.9	35.7	-35.7	351.7	N 89.4 E
14	6607	72.4	85.9	6413.0	379.5	12.8	64.1	34.6	-34.6	379.5	N 85.9 E
15	6639	73.1	86.4	6422.5	410.0	2.6	48.8	32.5	-32.5	410.0	N 86.4 E
16	6671	77.3	86.5	6430.6	440.8	13.1	34.7	30.6	-30.6	440.8	N 86.5 E
17	6702	81.5	86.6	6436.3	471.3	13.6	23.2	28.8	-28.8	471.3	N 86.6 E
18	6734	85.6	87.4	6439.9	503.0	13.1	13.5	27.1	-27.1	503.0	N 87.4 E
19	6766	89.3	87.8	6441.4	534.9	11.6	5.9	25.8	-25.8	534.9	N 87.8 E
20	6798	93.5	87.3	6440.6	566.9	13.2	0.6	24.4	-24.4	566.9	N 87.3 E
21	6829	97.8	86.6	6437.5	597.7	14.1	-2.3	22.8	-22.8	597.7	N 86.6 E
22	6861	101.5	85.0	6432.2	629.1	12.6	-3.0	20.5	-20.5	629.1	N 85.0 E
23	6892	101.5	85.0	6426.0	659.4	0.0	-2.6	17.8	-17.8	659.4	N 85.0 E
24	6924	101.3	84.3	6419.7	690.6	2.2	-2.3	14.9	-14.9	690.6	N 84.3 E
25	6956	101.2	84.1	6413.4	721.9	0.7	-2.0	11.7	-11.7	721.9	N 84.1 E
26	6988	100.8	84.0	6407.3	753.1	1.3	-1.9	8.5	-8.5	753.1	N 84.0 E
27	7019	99.8	87.1	6401.8	783.5	10.4	-2.2	6.1	-6.1	783.5	N 87.1 E
28	7051	99.8	86.7	6396.3	815.0	1.2	-2.8	4.4	-4.4	815.0	N 86.7 E
29	7082	99.7	86.4	6391.1	845.5	1.0	-3.4	2.6	-2.6	845.5	N 86.4 E
30	7113	99.5	86.2	6385.9	876.0	0.9	-4.1	0.6	-0.6	876.0	N 86.2 E
31	7145	97.6	89.8	6381.1	907.6	12.6	-5.4	-0.5	0.5	907.6	N 89.8 E
32	7177	98.9	89.5	6376.5	939.3	4.2	-6.9	-0.7	0.7	939.3	N 89.5 E
33	7204	99.6	89.5	6372.2	965.9	2.6	-7.7	-0.9	0.9	965.9	N 89.5 E
TD	7239	99.6	89.5	6366.4	1000.4	0.0	-8.4	-1.2	1.2	1000.4	N 89.5 E