

DOYLE HARTMAN
B.M. JUSTIS #12

BO-40077
9/20/84

TOTAL DEPTH	DIRECTION		ANGLE		VERTICAL	LATITUDE	DEPARTURE	VERTICAL	DOG
	DEG	MIN	DEG	MIN	DEPTH	FEET	FEET	SECTION	LEG
0	N	0	0	E	0 0	0.00	0.00 N	0.00 E	0.00
100	S	56	48	E	0 30	100.00	0.25 S	0.37 E	-0.43
200	N	45	30	E	0 38	199.99	0.10 S	1.12 E	-0.85
300	S	75	36	E	0 18	299.99	0.23 N	1.77 E	-1.07
400	S	10	24	E	0 28	399.99	0.24 S	2.09 E	-1.63
500	S	3	6	W	0 22	499.99	0.95 S	2.15 E	-2.17
600	N	51	54	W	3 0	599.94	0.36 N	0.07 E	0.21
700	N	49	18	W	6 39	699.57	5.75 N	6.39 W	8.57
800	N	45	6	W	8 2	798.75	14.47 N	15.73 W	21.33
900	N	49	42	W	9 26	897.59	24.71 N	26.94 W	36.49
1000	N	52	18	W	11 10	995.97	35.93 N	40.86 W	54.25
1100	N	53	48	W	12 29	1093.85	48.24 N	57.24 W	74.50
1200	N	57	48	W	13 41	1191.25	60.93 N	75.98 W	96.66
1300	N	57	48	W	14 21	1288.27	73.84 N	96.48 W	120.22
1400	N	60	54	W	16 17	1384.71	87.26 N	119.21 W	145.70
1500	N	62	42	W	18 30	1480.14	101.35 N	145.56 W	174.19
1600	N	63	36	W	20 55	1574.28	116.57 N	175.65 W	206.09
1700	N	62	18	W	22 19	1667.24	133.33 N	208.45 W	241.00
1800	N	47	48	W	21 28	1760.10	154.46 N	238.83 W	277.34
1900	N	38	18	W	24 59	1852.01	183.34 N	265.49 W	316.63
2000	N	33	42	W	27 30	1941.71	219.14 N	291.40 W	360.35
2100	N	33	0	W	27 55	2030.24	257.97 N	316.96 W	405.99
2200	N	32	30	W	24 50	2119.82	295.32 N	340.99 W	449.50
2300	N	31	24	W	22 2	2211.57	329.05 N	362.05 W	488.35
2400	N	28	36	W	20 20	2304.81	360.32 N	380.15 W	523.37
2500	N	26	0	W	18 26	2399.14	389.78 N	395.39 W	555.10
2600	N	23	30	W	15 37	2494.75	416.34 N	407.69 W	582.70
2700	N	20	6	W	12 47	2591.68	439.08 N	416.87 W	605.38
2800	N	19	0	W	10 2	2689.70	457.71 N	423.51 W	623.36
2900	N	17	6	W	8 7	2788.44	472.70 N	428.42 W	637.52
3000	N	21	42	W	5 59	2887.68	484.29 N	432.42 W	648.61
3100	N	56	0	W	6 34	2987.11	492.33 N	439.09 W	659.02
3200	N	70	36	W	8 16	3086.28	497.91 N	450.60 W	671.05
3300	N	70	0	W	8 31	3185.21	502.83 N	464.34 W	684.17
3400	N	71	36	W	9 14	3284.01	507.90 N	478.92 W	697.97
3500	N	72	24	W	10 25	3382.54	513.17 N	495.15 W	713.09
3550	N	72	18	W	9 8	3431.82	515.74 N	503.24 W	720.58

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED USING AN ANGLE OF 44 18 W

RECEIVED

OCT - 2 1984

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE
DISPLACEMENT IS 720.58 FEET, IN THE DIRECTION OF N 44 18 W
BOTTOM HOLE DISPLACEMENT IS RELATIVE TO WELLHEAD.
VERTICAL SECTION IS RELATIVE TO WELLHEAD.

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