

**NONMAGNETIC SPACING CHART**  
WELL PATH DIRECTION / DEGREES FROM DUE NORTH OR SOUTH

	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
5	4	6	8	9	10	10	11	12	12	13	13	14	14	14	14	15	15	15
	3	4	4	5	6	7	7	7	8	8	9	8	9	9	10	10	10	11
10	6	9	11	12	13	15	16	17	17	18	19	19	20	20	20	21	21	21
	4	5	6	8	9	9	10	10	11	12	12	12	12	13	13	13	13	13
15	8	11	13	15	16	18	19	20	21	22	23	23	24	24	25	25	25	25
	4	6	8	9	11	11	12	13	14	14	14	15	15	16	15	16	16	16
20	9	12	15	17	19	21	22	23	24	25	26	27	28	28	29	29	29	29
	5	8	9	11	12	12	14	15	16	16	17	17	17	18	17	18	18	18
25	10	13	16	19	21	23	24	26	27	28	29	30	31	31	32	32	32	32
	6	9	11	12	13	14	16	16	17	18	19	19	19	20	20	20	20	21
30	10	15	18	21	23	25	27	28	29	31	32	33	33	34	34	35	35	35
	7	9	11	12	14	15	16	18	19	19	20	20	21	21	22	22	22	22
35	11	16	19	22	24	27	28	30	32	33	34	35	36	36	37	37	37	38
	7	10	12	14	16	16	18	19	20	21	21	22	22	23	23	24	24	23
40	12	17	20	23	26	28	30	32	33	35	36	37	38	39	39	39	40	40
	7	10	13	15	16	18	19	20	22	22	23	23	24	24	25	25	25	25
45	12	17	21	24	27	29	32	33	35	37	38	39	40	40	41	41	42	42
	8	11	14	16	17	19	20	22	22	23	24	24	25	26	26	27	26	26
50	13	18	22	25	28	31	33	35	37	38	39	40	41	42	43	43	43	43
	8	12	14	16	18	19	21	22	23	24	25	26	26	27	27	27	28	28
55	13	19	23	26	29	32	34	36	38	39	42	42	43	44	44	45	45	45
	9	12	14	17	19	20	21	23	24	25	25	26	27	27	28	28	28	28
60	14	19	23	27	30	33	35	37	39	40	42	43	44	45	45	46	46	46
	9	12	15	17	19	20	22	23	24	26	26	27	28	28	29	29	29	29
65	14	20	24	28	31	33	36	38	40	41	43	44	45	46	46	47	47	47
	9	12	15	17	19	21	22	24	25	26	27	28	28	29	30	29	30	30
70	14	20	24	28	31	34	36	39	40	42	44	45	46	47	47	48	48	48
	9	13	16	18	20	21	23	24	26	27	27	28	29	29	30	30	30	30
75	14	20	25	29	32	34	37	39	41	43	44	45	46	47	48	48	49	49
	9	13	16	18	20	22	23	25	26	27	28	29	30	30	30	31	30	30
80	15	21	25	29	32	35	37	39	41	43	45	46	47	48	48	49	49	49
	9	13	16	18	20	22	24	25	27	27	28	29	29	30	31	31	31	31
85	15	21	25	29	32	35	37	40	42	43	45	46	47	48	49	49	49	49
	9	13	16	18	20	22	24	25	26	28	28	29	30	30	31	31	32	32
90	15	21	25	29	32	35	38	40	42	43	45	46	47	48	49	49	49	50
	9	13	16	18	21	22	24	25	26	28	28	29	30	30	31	31	32	32

CHART IS BASED ON 1 DEG. OF ERROR

28	<SPACING NEEDED ABOVE SENSOR
17	<SPACING NEEDED BELOW SENSOR

ASSUME 7 3/4" SENSOR IS 9' FROM BOTTOM  
 ASSUME 6 3/4" SENSOR IS 7' FROM BOTTOM  
 ASSUME FOR PROBE BASED TOOLS 12' FROM BOTTOM OF COLLAR