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James Doyle Sell Mining Collection

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4 Dec. 5, 1957 Revision

EAST PIMA BENCH COMPUTATION BD BIT ORDINARY BIT DIAMOND DRILL HOLE NO.

DATE _____ Page ____ of ____

BENCH NO.	BENCH ELEV.	"A" SAMPLE INTERVAL		"B" FEET	GRADE "C" ASSAY	"D" Oxide FACTOR	"E" Cumulative Assay x Feet "B" x "C"	"F" BENCH GRADE "E"/25	CORE RECOVERY "G" CORE RECOV.	"H" Cumulative Recov. x Ft. "B" x "G"	"I" BENCH RECOV. "H"/25	SPECIFIC GRAVITY "J" Specific Gravity	"K" Cumulative Gravity x Ft. "B" x "J"	"L" BENCH GRAVITY "K"/25	
HOLE NO.	DATE 1957	From	To	Feet	Runs	Feet Rec	% Rec		From	To	Feet	Feet Rec	% Rec	Ratio	
150	3/28	317.3	324.9	7.6	2	7.5	99%		310.3	317.3	7.0	7.0	100%		
									324.9	330.2	5.3	5.0	94%		
		330.2	344.4	14.2	2	14.1	99%		344.4	358.8	14.4	14.4	100%		
				21.8	4	21.6	99%				26.7	26.4	99%	99:99	100%
151	4/5	254.0	263.8	9.8	7	5.7	58%		230.2	254.0	23.8	11.7	49%		
		263.8	279.7	15.9	6	14.3	90%		279.7	306.0	26.3	25.5	97%		
				25.7	13	20.0	78%				50.1	37.2	74%	78:74	105%
162	5/11	367.2	370.7	3.5	2	3.4	97%		364.2	367.2	3.0	2.9	97%		
									370.7	373.8	3.1	2.9	94%		
											6.1	5.8	95%	97:95	102%
163	5/13	397.9	403.6	5.7	3	4.7	82%		391.0	397.9	6.9	6.8	99%		
									403.6	410.0	6.4	0.5	8%		
											13.3	7.3	55%	82:55	149%
166	5/16	309.3	330.8	21.5	4	21.5	100%		287.0	309.3	22.3	18.8	84%		
									330.8	353.0	22.2	21.2	95%		
		393.9	402.8	8.9	2	8.9	100%		385.3	393.9	8.6	8.6	100%		
									402.8	409.7	6.9	6.9	100%		
				30.4	6	30.4	100%				60.0	55.5	92%	100:92	109%
		Sheet Summary		87.1	28	80.1	92%				156.2	132.2	85%	92:85	108%
		Sheet 3		612.0	88	594.7	97%				551.4	529.8	96%	97:96	101%
		" 2		767.9	116	738.8	96%				433.3	411.5	95%	96:95	101%
		" 1		82.4	30	72.3	88%				105.6	95.0	90%	88:90	98%
		Complete Summary		1549.4	262	1485.9	96%				1246.5	1168.5	94%	96:94	102%

Dec. 5, 1957 Revision

EAST PIMA BENCH COMPUTATION

DATE _____ BD BIT

ORDINARY BIT DIAMOND DRILL HOLE NO. _____

Page ____ of ____

BENCH NO.	BENCH ELEV.	"A" SAMPLE INTERVAL		"B" FEET	GRADE "C" ASSAY	"D" Oxide FACTOR Feet	"E" Cumulative Assay × Feet "B" × "C" %	"F" BENCH GRADE "E"/25	CORE RECOVERY "G" CORE RECOV.		"H" Cumulative Recov × Ft. "B" × "G"	"I" BENCH RECOV. "H"/25	SPECIFIC GRAVITY "J" Specific Gravity Feet	"K" Cumulative Gravity × Ft. "B" × "J" %	"L" BENCH GRAVITY "K"/25	
HOLE NO.	DATE 1957	FROM	TO	Feet	Runs	Rec.	Rec.		FROM	TO		Feet	Rec	Rec	Ratio	
80D	3/20	658.0	659.9	1.9	1	1.7	89%		653.7	658.0		4.3	4.0	93%		
		663.6	664.5	.9	1	.6	67%		659.9	663.6		3.7	3.5	95%		
									664.5	668.0		3.5	3.0	86%		
				2.8	2	2.3	82%					11.5	10.5	91%	82:91	90%
129	1/14	226.8	247.4	20.6	2	20.6	100%		219.3	226.8		7.5	7.5	100%		
									247.4	257.8		10.4	10.4	100%		
	1/16	340.5	343.9	3.4	1	3.4	100%		338.0	340.5		2.5	2.5	100%		
									343.9	350.7		6.8	5.8	85%		
	1/25	621.3	631.3	10.0	1	10.0	100%		610.7	621.3		10.6	10.6	100%		
									631.3	641.0		9.7	9.4	97%		
				34.0	4	34.0	100%					47.5	46.2	97%	100:97	103%
130D	3/14	551.3	561.1	9.8	1	8.0	82%		546.7	551.3		4.6	4.3	93%		
									561.1	564.6		3.5	5.4	154%	Sand Blast Bit	
												8.1	9.7	120%	82:120	68%
131	1/16	213.5	223.0	9.5	4	8.6	91%		207.2	213.5		6.3	6.4	102%		
									223.0	224.5		1.5	0.1	7%		
	1/17	224.5	225.3	0.8	1	0.0	00%									
	1/17	225.3	239.6	14.3	5	13.0	91%		239.6	253.4		13.8	11.3	82%		
				24.6	10	21.6	88%					21.6	17.8	82%	88:82	107%
132	1/17	226.4	229.6	3.2	3	1.6	50%		224.5	226.4		1.9	0.0	00%		
									229.6	237.2		7.6	5.1	67%		
	1/18	237.2	240.7	3.5	4	2.9	83%		240.7	243.3		2.6	1.9	73%		
	1/19	243.3	246.4	3.1	3	1.7	55%		246.4	247.8		1.4	1.4	100%		
				9.8	10	6.2	63%					13.5	8.4	62%	63:62	102%
133	1/23	241.5	242.9	1.4	3	0.2	14%		240.1	241.5		1.4	0.6	43%		
									242.9	244.9		2.0	1.8	90%		
												3.4	2.4	71%	14:71	20%
		Sheet Summary		82.4	30	72.3	88%					105.6	95	90%	88:90	98%

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EAST PIMA BENCH COMPUTATION — BD BIT — ORDINARY BIT — DIAMOND DRILL HOLE NO.

DATE _____ Page ____ of ____

BENCH NO. / HOLE NO.	BENCH ELEV. / DATE 1957	"A" SAMPLE INTERVAL FROM	TO	"B" FEET Feet	GRADE "C" ASSAY Runs	"D" OXIDE FACTOR Feet Rec.	"E" Cumulative Assay × Feet "B" × "C" % Rec.	"F" BENCH GRADE "E"/25	CORE RECOVERY "G" CORE RECOV. From	"H" Cumulative Recov × Ft. "B" × "G" To	"I" BENCH RECOV. "H"/25 Feet	SPECIFIC GRAVITY "J" Specific Gravity Feet Rec	"K" Cumulative Gravity × Ft. "B" × "J" % Rec.	"L" BENCH GRAVITY "K"/25 Ratio	
134	2/12	703.8	794.2	90.4	12	86.7	96%		653.9	703.8	49.9	49.0	98%		
									794.2	850.0	55.8	54.9	98%		
											105.7	103.9	98%	96:98	98%
135	2/1	234.7	236.4	1.7	3	0.6	35%		233.0	234.7	1.7	0.2	12%		
	2/1	236.4	236.7	0.3	1	0.0	00%		236.7	238.1	1.4	0.5	36%		
									254.5	256.1	1.6	0.0	0.0%		
	3/4	256.1	257.6	1.5	1	0.9	60%		257.6	260.0	2.4	2.2	92%		
				3.5	5	1.5	43%				7.1	2.9	41%	43:41	105%
136	2/2	237.8	256.4	18.6	2	17.4	94%		216.2	237.8	21.6	17.8	82%		
		256.4	280.7	24.3	3	24.4	100%		280.7	298.0	17.3	14.2	82%		
				42.9	5	41.8	97%				38.9	32.0	82%	97:82	118%
137	3/14	935.1	937.5	2.4	1	0.4	17%		931.8	935.1	3.3	2.0	61%		
		949.1	969.0	19.9	2	19.9	100%		937.5	949.1	11.6	11.2	97%		
									969.0	989.4	20.4	20.4	100%		
		989.4	1000.7	11.3	2	11.0	97%		1000.7	1011.0	10.3	10.3	100%		
									1261.8	1273.6	11.8	11.7	99%		
		1273.6	1283.3	9.7	1	9.2	95%		1283.8	1296.8	13.0	12.7	98%		
				43.3	6	40.5	94%				70.4	68.3	97%	94:97	97%
138	3/16	271.5	281.7	10.2	4	9.8	96%		226.1	271.5	45.4	41.0	90%		
									281.7	283.9	2.2	1.1	50%		
		283.9	434.0	150.1	32	140.8	94%		434.0	487.4	53.4	52.6	98%		
				168.3	36	150.6	94%				101.0	94.7	94%	94:94	100%
142	3/2	387.3	580.8	193.5	24	192.4	99%		335.9	387.3	51.4	50.9	99%		
									580.8	611.4	30.6	30.6	100%		
		611.4	646.2	34.8	4	34.8	100%		646.2	674.4	28.2	28.2	100%		
		674.4	873.6	199.2	24	190.5	96%								
				427.5	52	417.7	98%				110.2	109.7	100%	98:100	98%
		Sheet Summary		767.9	116	738.8	96%				433.3	411.5	95%	96:95	101%

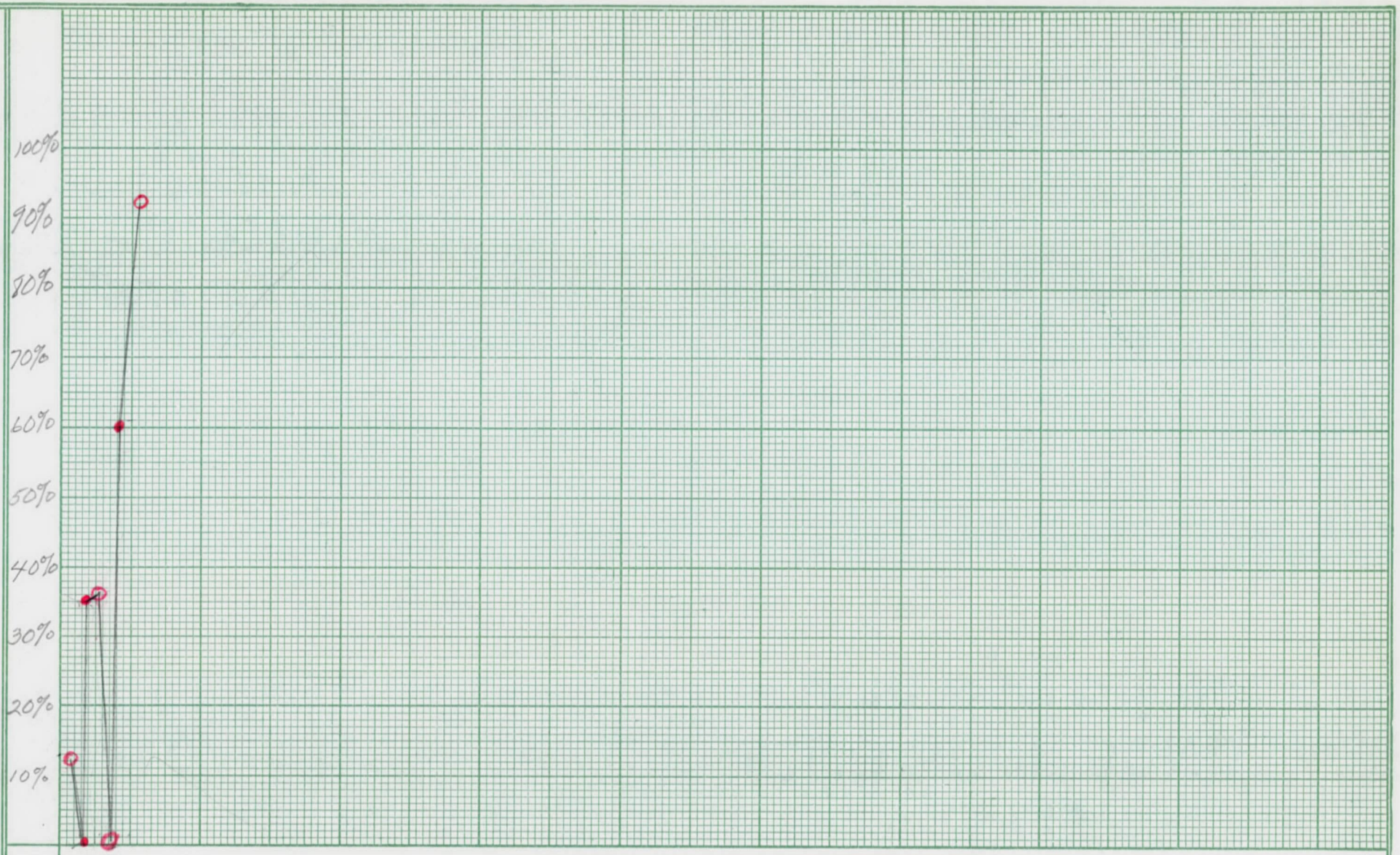
3

Dec. 5, 1957 Revision

EAST PIMA BENCH COMPUTATION BD BIT ORDINARY BIT DIAMOND DRILL HOLE NO.

DATE _____ Page ____ of ____

BENCH NO.	BENCH ELEV.	"A" SAMPLE INTERVAL		"B" FEET	GRADE "C" ASSAY	"D" OXIDE FACTOR	"E" Cumulative Assay x Feet "B" x "C"	"F" BENCH GRADE "E"/25	CORE RECOVERY "G" CORE RECOV.	"H" Cumulative Recov. ft. "B" x "G"	"I" BENCH RECOV. "H"/25	SPECIFIC GRAVITY "J" Specific Gravity	"K" Cumulative Gravity x ft. "B" x "J"	"L" BENCH GRAVITY "K"/25	
HOLE NO	DATE 1957	From	To	Feet	Runs	Feet Rec.	% Rec		From	To	Feet	Feet Rec.	% Rec	Ratio	
143	3/2	323.0	323.9	0.9	1	0.9	100%		318.2	323.0	4.8	4.3	90%		
		346.9	355.5	8.6	2	8.4	98%		323.9	346.9	23.0	19.7	86%		
									355.5	364.9	9.4	8.9	95%		
		526.0	573.2	47.2	6	46.4	98%		503.3	526.0	22.7	22.0	97%		
		626.2	646.5	20.3	2	20.2	100%		573.2	626.2	53.0	52.5	99%		
		705.1	714.8	9.7	2	10.0	103%		646.5	705.1	58.6	57.4	98%		
		725.1	923.4	198.3	23	188.3	95%		714.8	725.1	10.3	10.3	100%		
		968.9	1012.1	43.2	5	43.2	100%		923.4	968.9	45.5	48.5	107%		
									1012.1	1055.5	43.4	39.1	90%		
				328.2	41	317.4	97%				270.7	262.7	97%	97:97	100%
146	3/13	367.5	387.8	20.3	2	20.3	100%		345.9	367.5	21.6	20.7	96%		
									387.8	393.0	5.2	5.0	96%		
											26.8	25.7	96%	100:96	104%
147	3/16	194.2	220.7	26.5	5	25.6	97%		191.0	194.2	3.2	1.4	44%		
									220.7	243.9	23.2	22.1	95%		
		397.2	399.6	2.4	2	1.9	79%		391.4	394.1	2.7	2.4	89%		
									399.6	402.9	3.3	3.3	100%		
		547.0	567.7	20.7	4	19.2	93%		526.5	547.0	20.5	20.5	100%		
									567.7	579.5	11.8	11.8	100%		
		623.5	641.9	18.4	6	18.3	99%		614.0	623.5	9.5	8.4	88%		
		773.4	862.8	89.4	11	86.7	97%		733.2	773.4	40.2	39.7	99%		
									862.8	907.0	44.2	42.8	97%		
				157.4	28	151.7	96%				158.6	152.4	96%	96:96	100%
149	3/30	480.2	586.3	106.1	17	105.3	99%		431.6	480.2	48.6	43.7	90%		
									586.3	633.0	46.7	45.3	97%		
											95.3	89.0	93%	99:93	106%
		Sheet Summary		612.0	88	594.7	97%				551.4	529.8	96%	97:96	101%

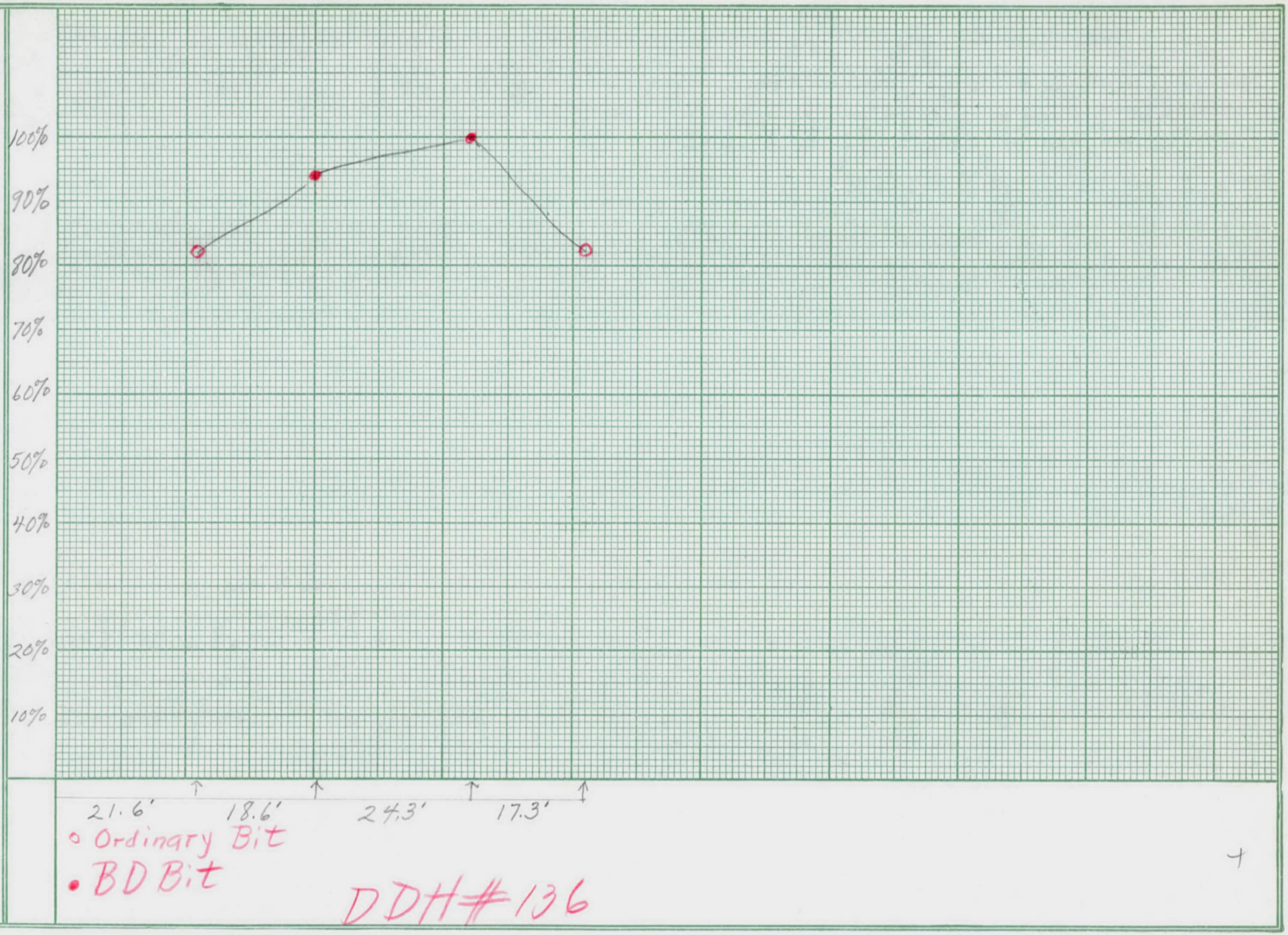


o Ordinary Bit 1.7'@12%, 1.4'@36%, 1.6'@00%, 2.4'@92%

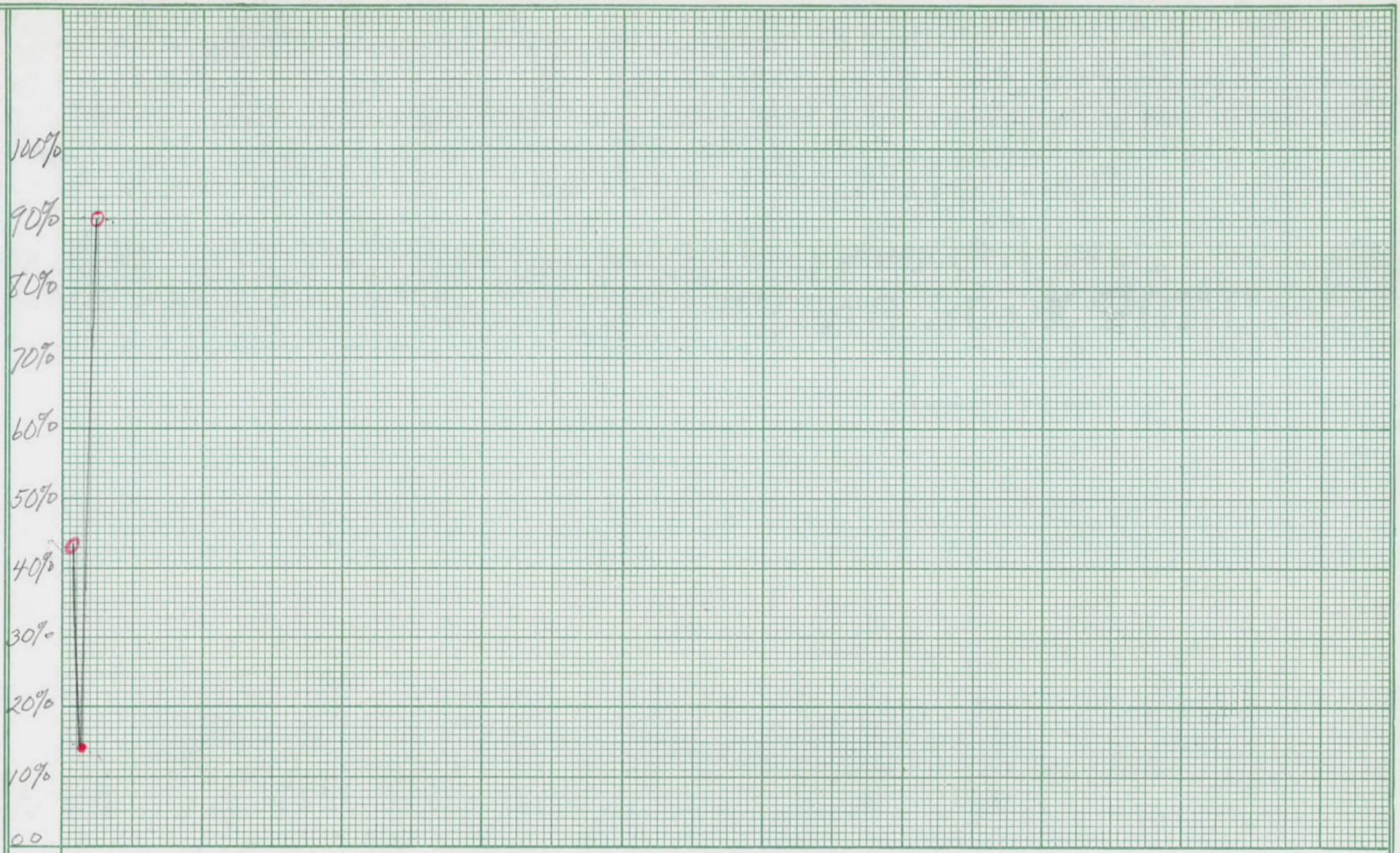
• BD Bit 1.7'@35%, 0.3'@00%, 1.5'@60%

DDH #135

U.S.A. NO. 864-13


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
21.6'
18.6'
24.3'
17.3'
○ Ordinary Bit
• BD Bit
DDH#136

U.S.A. NO. 864-13

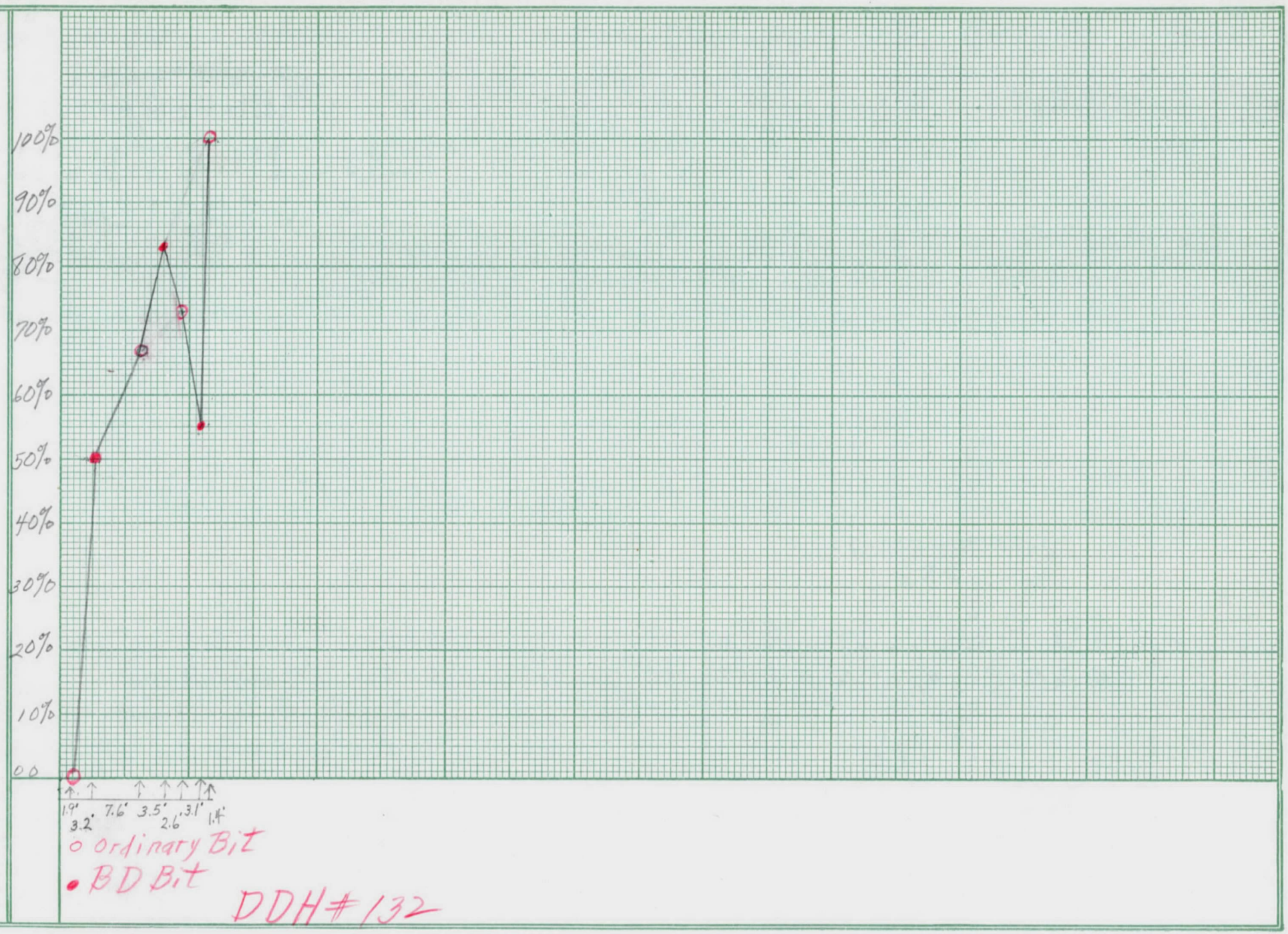


o Ordinary Bit 1.4' @ 43% and 2.0' @ 90%

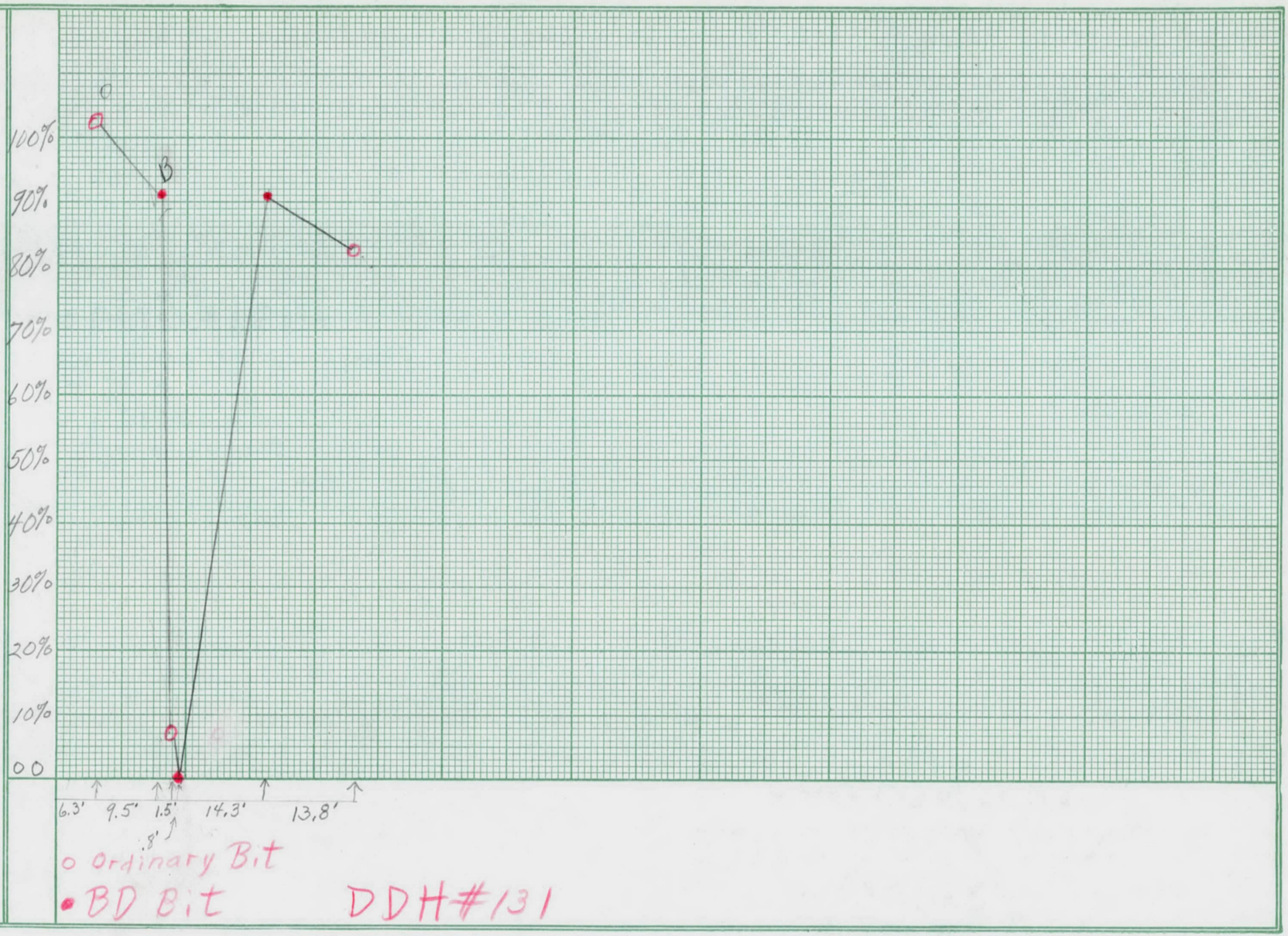
• BDBit 1.4' @ 14%

DDH #133

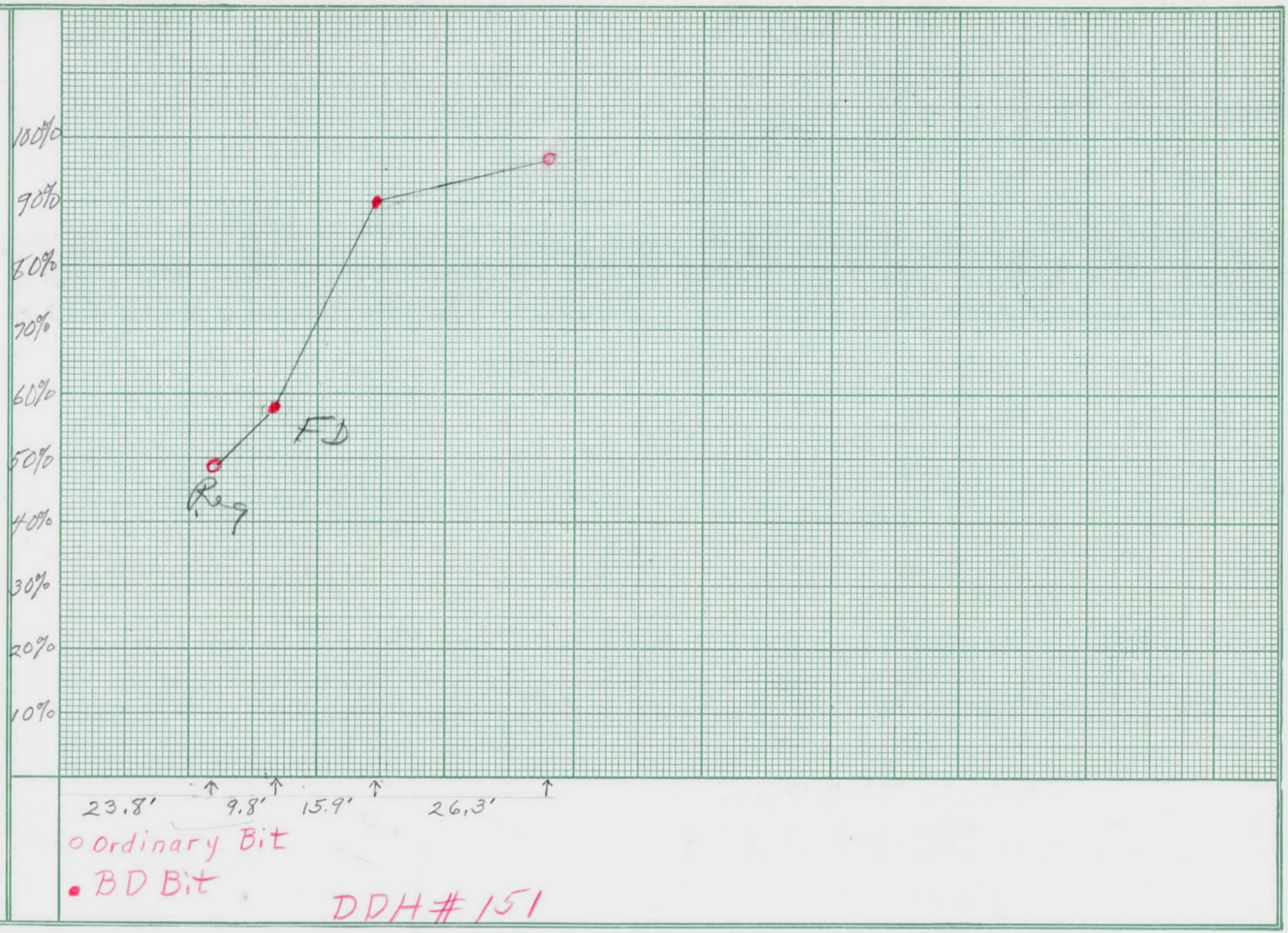
U.S.A. NO. 864-13


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0 0
1.9'
3.2'
7.6'
3.5'
2.6'
3.1'
1.4'
o ordinary Bit
• BD Bit
DDH # 132

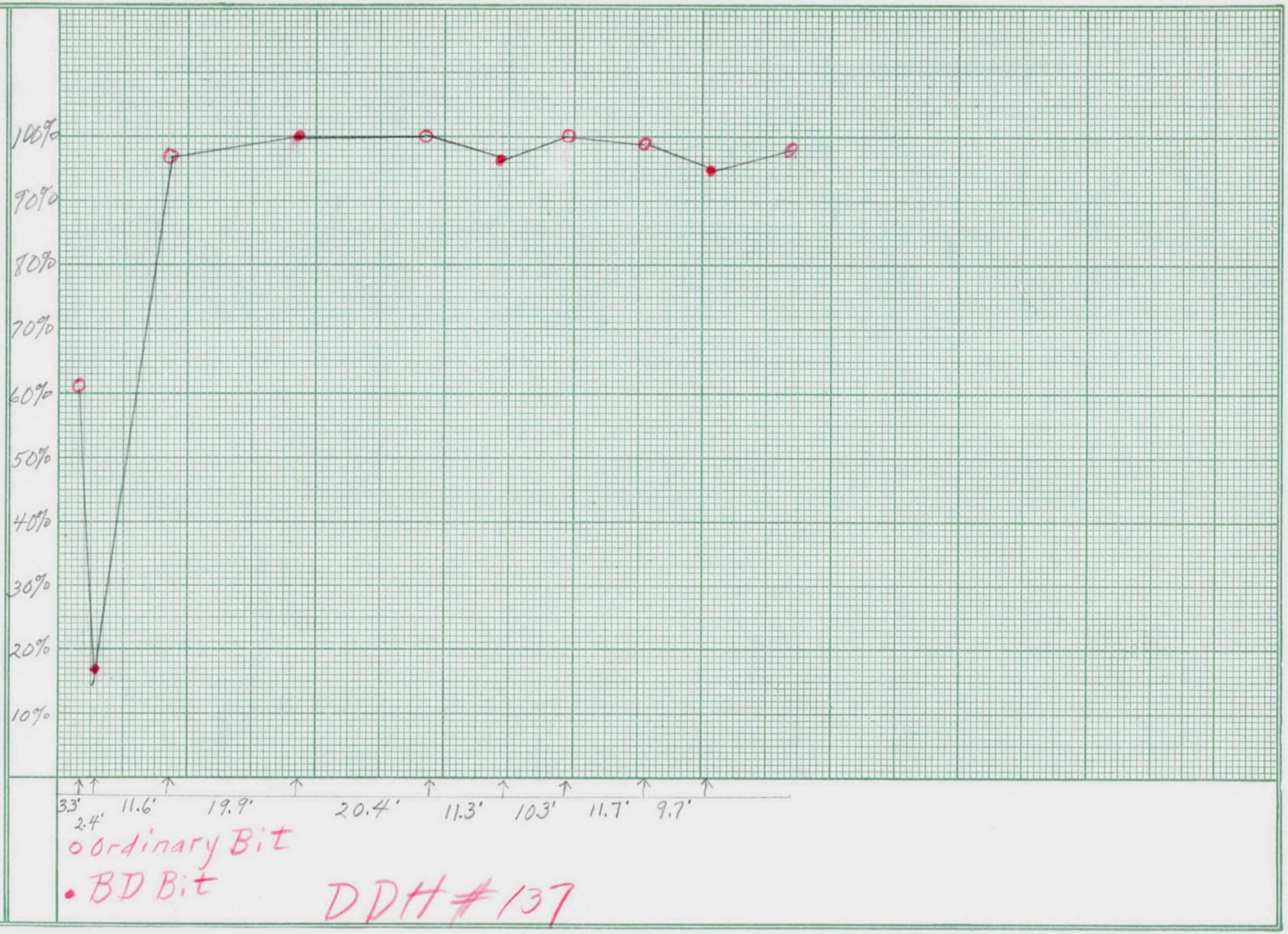
U.S.A. NO. 864-13


C
B
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0 0
6.3'
9.5'
1.5'
.8'
14.3'
13.8'
o Ordinary Bit
• BD Bit
DDH#131

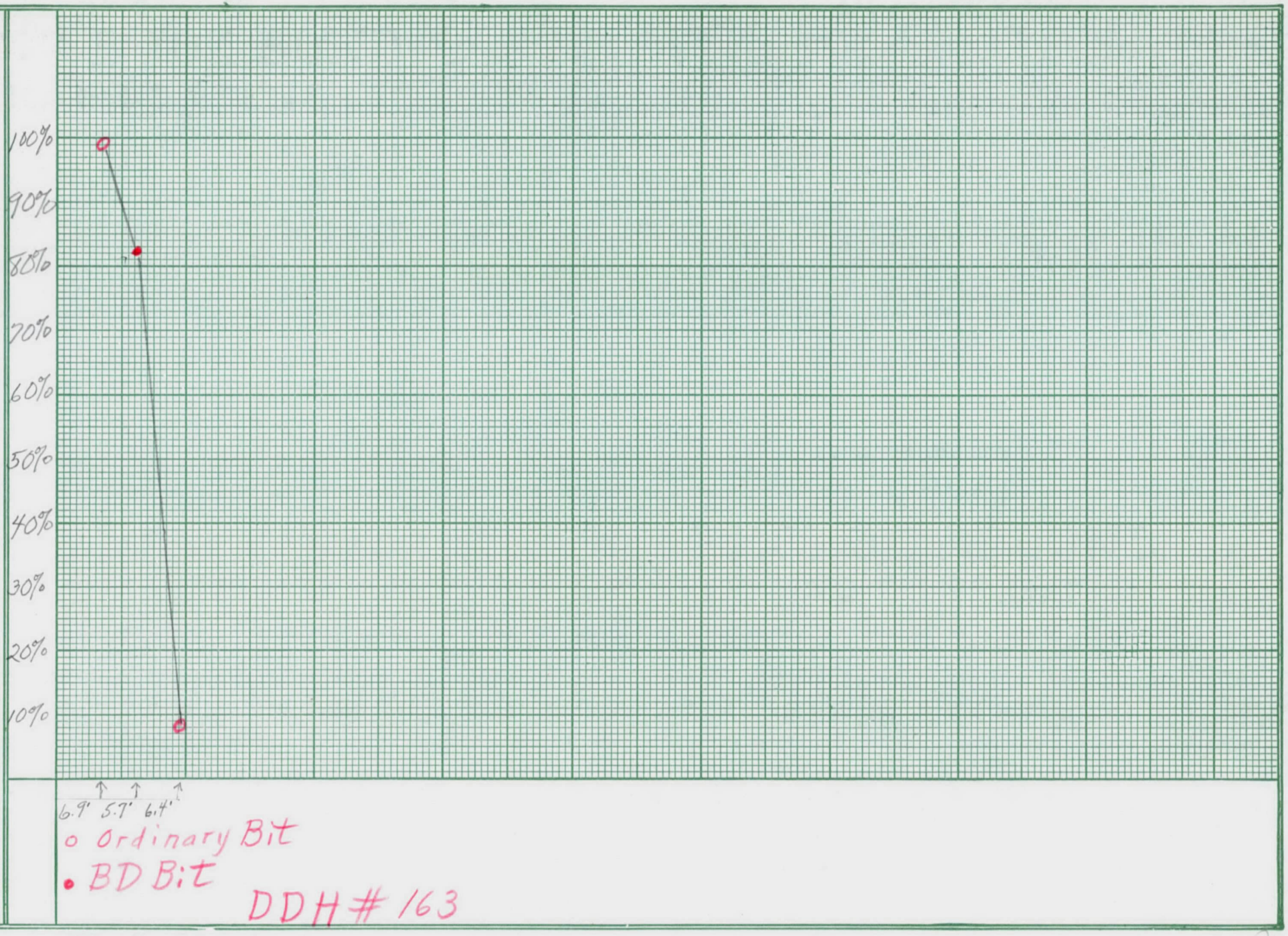
U.S.A. NO. 664-13


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
FD
Reg
23.8'
9.8'
15.9'
26.3'
○ Ordinary Bit
• BD Bit
DDH # 151

U.S.A. NO. 864-13


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
3.3'
2.4'
11.6'
19.9'
20.4'
11.3'
10.3'
11.7'
9.7'
o Ordinary Bit
• BD Bit
DDH #137

U.S.A. NO. 864-13


100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
6.9'
5.7'
6.4'
o Ordinary Bit
• BD Bit
DDH # 163

U.S.A. NO. 864-13