

827796

Hoodoo

104B/14

[®] *Rite in the Rain* [®]

WEATHERPROOF
LEVEL BOOK

No. 310

NC

NEVILLE CROSBY INC.

325 WEST SIXTH AVENUE • VANCOUVER, B.C. V5Y1L1

TELEPHONE 604/USE-4343 TELEX 04-507762

MINING, FORESTRY AND DRAFTING SUPPLIES

TABLE OF CONTENTS

Normines Proper by shear cone (Red Hawk)

Start TRAVERSE

12.5m

4.4 Sample # 41

13.7

18.0

SAMPLES: 37, 38, 39, 40

49.6

Ridge

62.6 Sample # 41

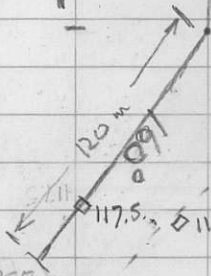
70.2

75.4 Sample # 42

93.0

203.4m

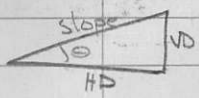
SHEAR 134°



117.5, 110.3 Sample # 43

END TRAVERSE

H
H



$$\text{Slope} = \frac{HD}{\cos \theta}$$

$$HD = \text{Slope} \cos \theta$$

$$VD = HD \tan \theta$$

$$VD = \sqrt{\text{Slope}^2 - HD^2}$$

Hoodoo Mtn Grid

Started July 25 1984

Base line 00: Stations 0+00 - 3+75E
0+00 - 2+50W

July 23 1984

Stn	Angle	C.F.	Stn	Angle	C.F.
Line 2+50 W			0+75S	+ 8°	25.0
0+25 N ✓	→	20m Horiz 5m @ 20%	1+00S	+ 12°	25.25m
0+50 ✓	+ 22°	2m on 25°	25 ✓	+ 12°	25.25m
75 ✓	+ 40° (15m) - 30 (15s)	12.5m 17.8m	50 ✓	- 7°	—
1+00 ✓	0	—	75 ✓	- 8°	25.25m
25	0 (15m) - 25° (10m)	0 0.5m	2+00 ✓	—	—
50	Inaccessible		25	+ 8	25.25
75 ✓	0° (20) - 33° (20)	20m 33.5m	50	0	—
2+00 ✓	10° (12.5) 0°	12.5m 12.5			
25 ✓	14°	26.75	Line 2+00 W		
50 ✓	0°	25	0+25S	0 (14) - 23° (11)	14.0 12.5
			50S	- 19°	26.25
0+25S ✓	- 14°	25.75m	75	- 8°	25.25
0+50S ✓	- 14°	26.75m 5m @ 20%	1+00	3°	—

July 23 1984

30
26
29

Hoodoo Grid

Stn	Angle	C.F.	Stn	Angle	CF
Line 2+00W			Line 1+50W		
1+25 N	—	—	1+00 S	—	—
50	—	—	25	-14	25.75
75	—	—	50	+8	25.25
2+00	7°	—	75	+5	—
25	—	—	2+00	—	—
50	10°	25.25	25	+16	26.0
<hr/>			<hr/>		
0+25 N	17° (26.6)	28.0m			
50	10° (24.1)	25.0	0+25 N		
75	34° (10) 6° (15)	12m 15	50		
1+00	14°	25.75	75		
25	-10°	25.5	1+00		
50	-10°	25.5	25		
75	-22	27.0	50		
2+00	-8	25.25	75		
25	-12	25.5	2+00		
50	+5	—	25		
<hr/>			<hr/>		
Line 1+50 W					
0+25 S	-14	25.75			
50	-25	26.7			
75	—	—			

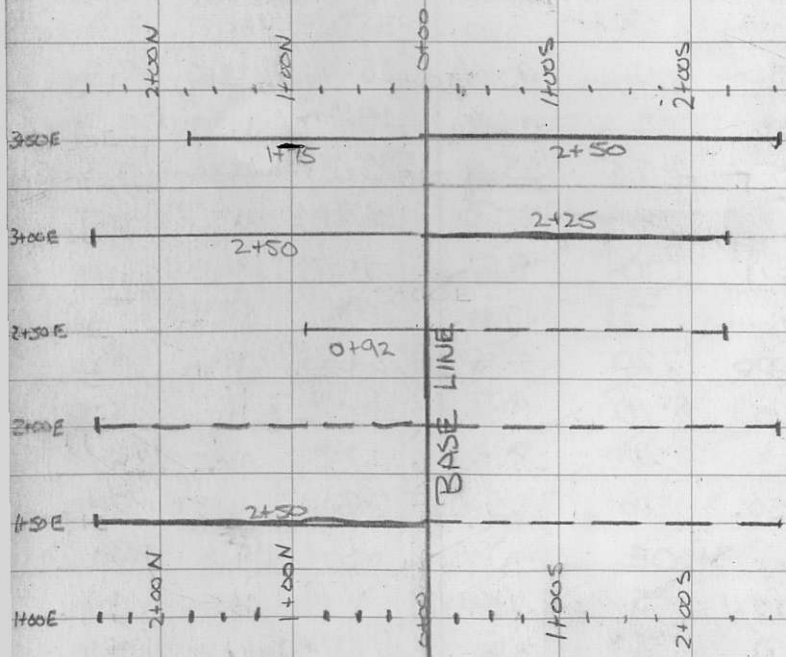
July 30 1984

Hoodoo Grid

cloud & Occ. Rain

Stn	Angle	HD	Slope	Elev.	VD
Line 3+50E				1141	
0+25 S	15	8.7	9.0		2.3
	-1	16.3	—	1143	2.8
+50	-3	22.0	—		1.2
	-24	3.0	3.3	1141	1.3
+75	-12	25.0	25.6	1135	5.3
1+00 S	+5	25.0	25.1	1137	+2.2
+25	-7.5	25.0	25.2	1134	3.3
+50	-8.5	25.0	25.3	1130	3.7
+75	0	80	—		0
	-33	17.0	20.3	1119	11.0
2+00 S	-20	25.0	26.6	1110	9.1
+25	-10	19.7	20.0	1105	3.5
	-21	5.3		1105	2.0
+50	-18	25.0	26.3	1097	8.1
Line 3+50E				1141	1141
0+25 N	+5	25.0		1143	2.2
+50	56.5	3.3	6.0	1141	5.0
	16	21.7	22.6	1154	6.2
+75	+31	25.0	29.2	1169	15.0
1+00 N	23	25	27.2	1180	10.6
+25	26.5	12.5	14.0		6.2
	+3	12.5	—	1187	7

DIAGRAM FOR July 30 1989
 HOODOO GRID
 DISCOVERY ZONE



--- Prev. Complete
 — Chained July 30

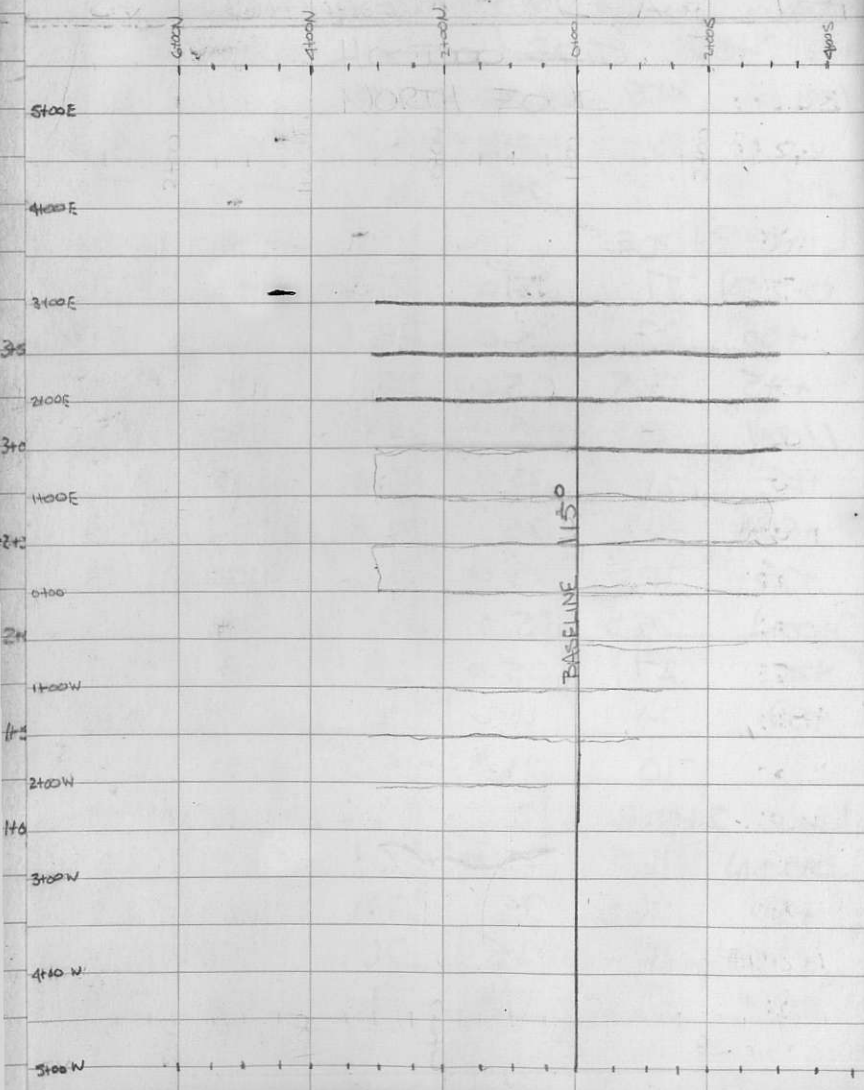
July 30 1984

Hoodoo Grid

Discovery Zone

Strn	Angle	HD	Slope	Comments	VD
Line 3+50E					
1+50 N	4.5	6.9	9.0		6.3
	13	18.6	19.1	1198	4.3
+75	16.5	25.0	26.1	1205	7.4
Line 3+00E					
0+25N	+7	25.0	25.2	1150	MMM
+50	27	25.0	28.1	1166	3.1
+75	13.5	25.0	25.7	1172	12.7
1+00N	28.5	25.0	28.4	1185	6.0
+25	21	25.0	26.8	1195	13.6
+50	40.5	25	32.8	1216	9.6
+75	20.5	25.0	26.6	1226	21.4
2+00N	25.5	25.0	27.7	1238	9.3
+25	27	25.0	28.1	1250	11.9
+50	21	11.2	12		12.7
	-10	13.8	14.0	1252	4.3
Line 2+50E					
0+25N	16.5	25.0	26.1	1166	MMM
+50	26.5	25	27.9	1173	7.4
+75	16	25	26	1186	12.5
+92	24	17.4	19	1193	7.2
				1201	7.7

HOODOO GRID DIAGRAM NORTH ZONE



Aug. 21 1984

Hoodoo Grid

PARTLY CLOUDY

North Zone

Stn	Angle	HD	Slope	VD	Comments
LINE 3+00W		110°			
BL00					ELEV = <u>1170M</u>
0+25S	20	11.3	12	+4.1	<u>1174</u>
	-18	14.3	15	-4.6	1170
50	8	24.8	25	3.5	1173
75	-15	24.1	25	-6.5	1167
1+00	23	23.0	"	9.8	1176
25	9	24.7	"	3.9	1180
50	5	24.9	"	2.2	1182
75	17	23.9	"	7.3	1190
2+00	4	24.9	"	1.7	1191
25	-21	23.3	"	-9.0	1182
50	-16	24.0	"	-6.9	1176
75	-8	24.8	"	-3.5	1172
3+00	-15	24.1	"	-6.5	1166
BL00					(1166.5)
0+25N	-27	22.3	25m	-11.3	1159
50	-18	23.8	"	-7.7	1151
75	-17	23.9	"	-7.3	1144
1+00	-8	24.8	"	-3.5	1140
25	-8	24.8	"	-3.5	1137
50	4	24.9	"	1.7	1138
75	-19	23.6	"	-8.1	1130

Hoodoo GRID

Aug. 21 1984

NORTH ZONE

STN	Angle	HD	slope	VD	Comments
LINE 3+00					
2+00N	1	25.0	25m	0.4	1131
25	8	24.8	"	3.5	1134
50	4	24.9	"	1.7	1136
75	-1	25.0	"	-0.4	1136
3+00	-17	23.9	"	-7.3	1128
LINE 2+50 W					(1128.2)
					VD = 37.2m
3+00N					HD = 79.8m
					1094
75	15	24.1	25m	6.5	1100
50	16	24.0	"	6.9	1107
25	3	25.0	"	1.3	1109
2+00	14	17.0	17.5	4.2	1113
	11.5	9.2	9.4	1.9	1115
75	14	24.3	25m	6.0	1121
50	-6	24.9	"	-2.6	1118
25	15	24.1	"	6.5	1125
1+00	22	23.2	"	9.4	1134
75	3.5	25.0	"	1.5	1135
50	15	24.1	"	6.5	1142
25	25	22.7	"	10.6	1153
BL00	30	21.7	"	12.5	1165

Hoodoo GRID

Aug 21 1989

NORTH ZONE

STN	Angle	HD	Slope	VD	Comments
BLOO					1165
0+25S	3.5	25.0	25m	1.5	1167
50	12	24.5	"	5.2	1172
75	1	25.0	"	0.4	1172
1+00	12	24.5	"	5.2	1177
25	12.5	24.4	"	5.4	1183
50	17	23.9	"	7.3	1190
75	19.5	23.6	"	8.3	1198
2+00	38	8.7	11.0m	6.8	1205
	1	11.4	11.4	0.2	1205
	-20	5.3	5.6	-1.9	1203
25	-7	24.8	25m	-3.0	1200
50	-6	24.9	"	-2.6	1198
75	-11	24.5	"	-4.8	1193
3+00	-10	29.2	29.6	-5.1	1188
LINE 2+00W					
3+00S	BEARING FROM LINE 2+00W 105			VD = 3.8 HD = 61.3	1193
75	6	24.9	25m	2.6	1196
50	-1	25.0	"	-0.4	1195
25	10	24.6	"	4.3	1200

HOODOO GRID

Aug 21 1984

NORTH ZONE

STN	Angle	HD	slope	VD	Comments
LINE	2+00 W				
2+00 S	6	24.9	25m	2.6	1202
75	-16	24.0	"	-6.9	1195
50	-17	23.9	"	-7.3	1188
25	-22	23.2	"	-9.4	1179
1+00	-12	24.5	"	-5.2	1173
75	-6.5	24.8	"	-2.8	1171
50	-6.5	24.8	"	-2.8	1168
25	-18	23.8	"	-7.7	1160
2+00	-19	23.6	"	-8.1	1152
0+25 N	-22	23.2	"	-9.4	1143
50	-22.5	23.1	"	-9.6	1133
75	-17	23.9	"	-7.3	1126
+00	-20	23.5	"	-8.6	1117
25	-0.5	25.0	"	-0.2	1117
50	-16	24.0	"	-6.9	1110
75	-6	24.9	"	-2.6	1107
+00	7	24.8	"	-3.0	1110
25	-6	24.9	"	-2.6	1108
50	9	24.7	"	3.9	1112
75	-18	23.8	"	-7.7	1104
3+00	-8	24.8	"	-3.5	1101

HOO DOO GRID

Aug 21 1984

NORTH ZONE

STN	Angle	HD	Slope	VD	Comments
LINE 1+50W BEARING 195°					
3+00N BEARING FROM LINE 2+00W 100°				VD = -5.5m	
				HD = 72.3m	
75	-6	24.9	25m	-2.6	1092
50	5	24.9	"	2.2	1094
25	-12.5	24.4	"	-5.4	1089
2+00	1	25.0	"	0.4	1089
75	3.5	25.0	"	1.5	1090
50	5.5	24.9	"	2.4	1093
25	5.5	24.9	"	2.4	1095
1+00	12	24.5	"	5.2	1100
75	25.5	22.6	"	10.8	1111
50	20	23.5	"	8.6	1120
25	32	21.2	"	13.2	1133
BL 00	14	24.3	"	-6.0	1139

TRENCH SAMPLES
NORTH ZONE

TRENCH # 1 #F-HO-84-45 to
#F-HO-84-56

TRENCH # 2 #F-HO-84-57 to
F-HO-84-63

TRENCH # 3 #F-HO-84-64 to
F-HO-84-70

TRENCH # 4 #F-HO-84-71 to
F-HO-84-73

August 17 1984

Samples Taken From North Zone

Sample Number Location

F-HO-84-45 TRENCH # 1

-46 "

-47 "

-48 "

-49 "

-50 "

-51 "

-52 "

53 "

54 "

55 "

56 "

F-HO-84-57 TRENCH # 2

58 "

59 "

60 "

61 "

62 "

63 " (GRAB)

SAMPLE Number LOCATION

F-HO-81-64 TRENCH #3

-65

"

-66

"

-67

"

-68

" GRAB

-69

" GRAB

-70

" GRAB

F-HO-81-71 TRENCH #4

-72

"

-73

"

TOTAL # of Samples : 29

MAGNETOMETER SURVEY
 DISCOVERY ZONE
 BASELINE STATIONS

Aug. 14 1989

STN.	BASE VALUE (in GAMMAS)	TIME
		9:45
2+50W	57527	
+00W	57378	
1+50	57376	
+00	57353	
0+50	57386	
0+00	57402	
+50 E	57398	
1+00 E	57421	
+50	57444	
2+00	57418	
+50	57380	
3+00	57358	
+50	57344	

2+50W

57515

10:30

$$\Delta t = 43 \text{ min}$$

$$\Delta x = -12$$

GEOMETRICS G-816
 PROTON MAGNETOMETER

MAGNETOMETER SURVEY
 DISCOVERY ZONE (HOODOO CLAIMS)
 CORRECTION DATA

STN	ORIGINAL READING	TIME	BASE DRIFT	CORRECT VALUE
LINE 2+50W				
0+253	57352	10:52	-28	57380
50	327	:53	-28	355
75	345	59	-29	374
1+00	431	55	-29	460
25	449	56	-30	479
50	403	56	-29	432
75	392	57	-28	420
2+00	478	58	-26	504
25	361	59	-24	385
50	355	11:00	-22	377
BL 00	57516	11:06	-17	57527
0+25N	380	07	-15	395
50	651	09	-14	665
75	728	12	-13	741
1+00	570	15	-12	582
25	605	16	-12	617
50	655	19	-11	666
75	362	21	-10	372
2+00	408	22	-10	418
+25	385	23	-9	394
+50	57391	11:23	-8	57399

Aug. 19, 1981

AMS)

STN	ORIGINAL READING	TIME	BASE DRIFT	CORR. VALUE
LINE 2+00W				
2+50N	57380	11:25	-8	57388
25	455	26	-7	462
2+00	468	27	-7	475
75	391	28	-7	398
50	470	29	-7	477
25	522	30	-6	528
1+00	620	30	+6	626
75	686	32	-6	692
50	483	33	-5	488
25	694	34	-5	699
BL 00	57373	11:35	-5	57378
0+25S	495	11:36	-5	500
50	391	37	-5	396
75	394	38	-5	399
4+00	389	38	-5	394
25	413	39	-5	418
50	425	40	-5	430
75	458	41	-5	463
2+00	439	41	-5	444
+25	453	42	-5	458
+50	612	11:43	-5	57617

MAG. SURVEY CONT.

STN	ORIG READING	TIME	BASE DRIFT	CORR. VALUE
LINE 1+50W				
2+50S	57484	11:44	-6	57490
25	517	:45	-6	523
2+00	554	47	-6	560
75	425	47	-6	431
50	384	48	-6	390
25	390	49	-6	396
+00	364	49	-6	370
75	366	50	-6	372
50	367	51	-6	373
25	359	53	-6	365
8+00	57370	11:54	-6	57376
0+25N	367	1:01	+19	348
50	607	1:03	+20	587
75	835	04	20	815
1+00	492	05	21	471
25	501	07	21	480
50	441	08	22	419
75	481	09	22	459
2+00	492	09	22	470
+25	413	10	22	391
+50	57420	1:11	23	57397

STN	ORIG READING	TIME	BASE DRIFT	CORR. VALUE
LINE	1+00W			
2+50N	57535	1:16	25	57510
25	650	18	26	624
2+00	544	19	26	518
75	553	19	27	526
50	497	20	27	470
25	403	21	27	376
1+00	421	21	27	394
75	944	22	27	917
50	58086	23	28	58058
25	57317	24	28	57349
B 00	57383	1:25	30	57353
6+25S	375	:26	28	347
50	373	27	29	344
75	391	28	30	361
1+00	422	28	30	392
25	419	29	31	388
50	440	31	31	409
75	402	33	32	370
2+00	565	34	32	533
25	488	35	33	455
50	57573	1:36	34	57539

MAG SURVEY CONT

STN.	ORIG READING	TIME	BASE DRIFT	CORR VALUE
LINE	0+50 W			
2+50 S	57333	1:38	35	57298
25	372	:39	35	337
2+00	393	39	36	357
75	390	40	36	354
50	455	41	36	419
25	441	41	36	405
1+00	440	42	37	403
75	418	43	37	381
50	388	43	38	350
25	398	46	38	57386
BL00	57425	1:48	39	57386
0+25 N	392	:50	39	353
50	570	51	40	530
75	908	52	40	868
1+00	362	52	40	322
25	472	53	41	431
50	480	54	41	439
75	528	55	41	487
2+00	489	56	42	447
25	514	58	42	472
50	57538	1:58	42	57496

STN.	ORIG READING	TIME	BIDE DRIFT	CORR VALUE
LINE 0100				
2+50N	57540	1:59	43	57497
25	490	2:01	43	447
2+00	512	:02	44	468
75	539	03	44	495
50	579	03	44	435
25	528	04	44	484
1+00	535	05	44	491
75	480	06	44	436
50	482	07	44	438
25	444	07	43	401
B100	57446	2:08	44	57402
0+25 S	447	1:30	42	405
50	442	31	42	400
75	455	31	43	412
1+00	516	32	43	473
25	443	32	44	399
50	407	33	44	363
75	416	34	45	371
2+00	384	35	45	339
25	383	36	45	338
50	57221	2:37	45	57176

MAG SURVEY CONT

STN	ORIG READ	TIME	BASE DRIFT	CORR VALUE
LINE	0+50E			
2+50S	57386	2:40	46	57340
25	392	:41	47	395
2+00	399	41	47	397
75	409	42	48	361
50	413	44	49	364
25	407	45	49	358
1+00	434	48	51	383
75	434	49	51	383
50	449	50	51	398
25	488	51	52	436
R200	57455	2:53	51	57398
0+25N	444	:54	54	390
50	462	55	54	408
75	486	56	55	431
1+00	766	57	55	651
25	664	58	56	608
50	667	59	57	610
75	547	3:01	57	490
2+00	528	02	52	476
25	503	03	49	454
50	57531	3:04	45	57486

STN	ORIG READ	TIME	BASE DRIFT	CORR VALUE	HT
LINE 1+00 E					
2+50 N	57478	3:06	41	57437	
25	458	07	38	420	
2+00	473	08	35	438	
75	737	09	32	705	
50	804	09	32	772	
25	652	10	29	623	
1+00	845	11	27	818	
75	598	12	24	524	
50	459	13	22	432	
25	457	13	18	439	
B2 00	57453	3:15	32	57421	
B1 00	57377	10:12	-44	57421	Aug. 19, 1989
0+25 S	379	13	-44	423	
50	385	15	-43	418	
75	385	16	-41	416	
1+00	377	17	-40	417	
25	367	18	-39	406	
50	365	19	-38	403	
75	343	20	-37	380	
2+00	356	20	-37	387	
25	350	21	-36	386	
50	57338	22	-36	57374	

MAG SURVEY CONT

STN	ORIG READ	TIME	BASE DRIFT	CORR VALUE
LINE	1+50E			
2+50S	57399	10:29	-34	57433
25	363	29	-33	396
2+00	356	25	-33	389
75	360	26	-32	392
50	371	27	-32	403
25	342	27	-31	373
1+00	360	28	-31	391
75	331	29	-30	361
50	357	30	-29	386
25	392	31	-29	421
BL 00	57416	10:31	-28	57444
0+25N	375	39	-28	403
50	385	36	-27	412
75	664	40	-26	690
1+00	678	42	-26	704
25	616	43	-25	641
50	273	44	-25	298
75	648	45	-25	673
2+00	419	46	-25	444
25	445	47	-24	469
50	57475	48	-24	57499

Aug 19 1989

STN	ORIG READ	TIME	BASE DRIFT	CORR VALUE
LINE 2+00E				
2+50N	57405	10:49	-24	57429
25	402	49	-24	426
2+00	398	50	-24	422
75	323	51	-24	348
50	343	51	-24	367
25	540	52	-24	564
1+00	414	53	-23	437
75	616	55	-23	639
50	502	57	-22	524
25	455	59	-21	476
BL 00	57397	11:00	-21	57418
0+25 S	366	02	-16	382
50	381	03	-14	395
75	381	05	-11	392
1+00	366	06	-6	372
25	400	07	-4	404
50	353	09	-1	354
75	414	09	0	414
2+00	445	10	4	441
25	406	11	7	399
50	57371	12	9	57362

MAG SURVEY CONT

STN	ORIG READ	TIME	BASE DRIFT	CORR VALUE
LINE 2+50E				
2+50S	NO	STATION		
25	57937	11:14	14	57923
2+00	343	15	16	327
75	348	15	18	330
50	360	16	19	341
25	425-	17	21	404
1+00	370	18	24	346
75	380	19	27	353
50	375	20	29	346
25	408	21	33	375
BL 00	57415	11:22	35	57380
BL 00	57416	11:51	30	57380
0+25N	434	52	27	407
50	654	54	21	633
75	451	11:58	8	443
1+00	NO	STATION		
25	446	1:38	18	428
50	481	55	21	460
75	513	2:03	23	490
2+00	525	11	25	500
25	550	14	26	524
50	57729	2:18	27	57702

STN	ORIG VALUE	TIME	BASE DRIFT	CORR VALUE
LINE 3+00E				
2+50N	57620	12:20	1	57619
25	785	18	1	784
2+00	582	14	0	582
75	474	12	0	474
50	454	10	0	454
25	400	08	0	400
1+00	386	06	-1	397
75	397	05	-1	348
50	387	03	-1	388
25	360	02	-1	361
BL 00	57357	12:01	-1	57358
BL 00	57365	12:53	7	57358
0+25 S	383	52	7	376
50	363	52	7	356
75	377	51	7	370
1+00	383	50	7	376
25	389	49	6	383
50	371	48	6	365
75	338	48	6	332
2+00	337	46	5	332
25	57345	12:45	5	57340
50	NO STATION			

MAG SURVEY CONT

STN	ORIG READ	TIME	BASE DRIFT	CORR VALUE
LINE 3+50E				
2+50	NO STATIONS			42.57
25		"		
2+00 N		"		
75 N	57306	12:24	2	57304
50 N	485	25	2	483
25	410	26	2	408
1+00	407	27	2	405
75	404	28	3	401
50	522	29	3	519
25	433	29	3	430
BL 00	57347	12:31	3	57344
0+25 S	360	31	3	357
50 S	373	32	3	370
75 S	376	33	3	373
1+00	348	34	3	345
25	345	34	4	341
50	346	35	4	342
75	338	36	4	334
2+00	310	37	4	306
25	321	38	4	323
50	57325	12:40	5	57320

MAGNETOMETER SURVEY
 NORTH ZONE
 BASELINE STATIONS

Aug 21 1984

STN BASE VALUE TIME

(in GAMMAS)

3+00W 57518 10:42

+50 551

2+00 477

+50 548

1+00 527

+50 536

0+00 560

+50E 532

1+00 640

+50 57159

3+00W 57518 11:09

$\Delta t = 27 \text{ min}$

$\Delta \gamma = 0$

GEOMETRICS G-816
 PROTON MAGNETOMETER

MAGNETOMETER SURVEY
 NORTH ZONE (HOODOO CLAIMS)
 CORRECTION DATA

STN	ORIGINAL READING	TIME	DRIFT	CORRECT VALUE
LINE 3+000W				
BL 00	57499	12:19	-19	57518
0+25S	514	22	-19	533
50	519	23	-20	539
75	463	26	-20	483
1+00	545	29	-20	565
25	528	30	-20	548
50	526	32	-20	546
75	495	33	-20	515
2+00	500	34	-20	520
25	486	36	-21	507
50	486	37	-21	507
75	511	38	-21	532
3+00S	443	39	-21	57464
BL 00	57518	12:45	0	57518

Aug 19 1954

STN	ORIG. READ.	TIME	DRIFT	CORR. VALUE
LINE 3+00 W				
BL 00	57496	12:53	-22	57518
0+25N	506	54	-21	527
50	510	56	-20	530
75	569	57	-20	589
1+00	534	58	-20	554
25	567	59	-9	587
50	553	1:00	-19	572
75	677	01	-19	696
2+00	624	03	-18	642
25	494	06	-16	510
50	446	08	-15	461
75	417	10	-15	432
3+00	57365	1:12	-14	57379
LINE 2+50 W				
3+00N	57565	1:32	-5	57570
75	511	42	-1	5712
50	505	46	0	505
25	521	46	0	521
2+00	518	49	1	517
75	535	53	4	531
50	612	53	4	608
25	57573	1:55	4	57569

MAG SURVEY CONT.

STN	ORIG READING	TIME	DRIFT	CORR. VALUE
LINE	2150 W			
+00N	57577	1:56	5	57572
75	555	57	5	550
50	555	59	6	549
25	505	2:02	7	498
+00	57558	02	7	57551
+25S	523	03	7	516
50	544	06	6	538
75	512	06	6	506
+00	530	09	5	525
25	526	11	5	501
50	528	12	4	524
75	525	13	4	511
+00	513	23	3	510
25	494	24	2	492
50	500	25	2	498
75	495	26	1	494
+00 S	57510	2:28	1	57509
LINE	2100 W			
+00 S	57606	2:41	-2	57608
75	719	43	-2	721
50	460	44	-3	463
25	528	2:45	-3	57531

STN	ORIG READ	TIME	DRIFT	CORR VALUE
LINE	2+00W			
2+00S	57562	2:45	-3	57565
75	501	46	-3	504
50	506	47	-4	510
25	508	48	-4	512
1+00	501	49	-4	505
75	516	49	-4	520
50	598	50	-4	602
25	523	52	-5	528
BL00	57472	53	-5	57477
0+25N	539	57	-3	542
50	563	58	-3	566
75	592	3:00	-2	594
1+00	627	05	-1	628
25	625	06	0	625
50	585	07	1	584
75	542	08	2	540
2+00	536	11	3	533
25	529	13	3	526
50	531	14	5	526
75	537	17	6	531
3+00N	57555	3:17	6	57549

MAG. SURVEY CONT.

STN	ORIG READING	TIME	DRIFT	CORR VALUE	
LINE 1+50 W					
3+00 N	57579	3:37	14	57565	
75	537	37	14	523	
50	520	43	17	503	
25	496	44	17	479	
2+00	514	45	18	496	
75	502	46	18	484	
50	561	- 47	19	542	
25	638	47	20	608	
1+00	561	48	20	541	
75	557	51	21	536	
50	536	53	23	513	
25	588	56	24	564	
B100	57573	3:58	25	57548	Aug 21, 1989
B100	57533	9:52	-15	57548	Aug 23, 1989
0+25 S	492	55	-15	507	
50	489	10:09	-12	501	
75	480	09	-10	490	
1+00	479	11	-9	488	
25	482	12	-9	491	
50	482	13	-9	491	
75	57512	10:15	-8	520	

577 407

AUG 23 1984

STN	ORIG READ	TIME	DRIFT	COLE VALUE
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LINE 1+50W

200S	57516	10:17	-7	57523
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25	490	20	-6	496
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50	268	21	-6	274
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75	766	23	-5	771
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3+00S	57508	10:25	-5	513
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LINE 1+00W

3+00S	57474	10:34	-2	476
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75	537	36	-1	538
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50	520	42	1	519
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25	490	45	2	488
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2+00	570	47	3	567
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75	606	50	4	602
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50	614	53	5	606
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25	566	54	5	561
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1+00	410	56	6	404
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75	456	11:01	7	449
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50	492	03	8	484
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25	512	07	9	503
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BL00	57536	11:08	9	57527
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0+25N	630	09	8	622
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50	495	11	7	488
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75	57522	12	7	515
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MAG SURVEY CONT

STN	ORIG READ	TIME	DRIFT	CORR VALUE
LINE	1+00W			
1+00N	57524	11:13	7	57517
25	508	14	6	502
50	485	15	6	479
75	495	15	6	489
2+00	529	16	5	524
25	500	17	4	496
50	502	20	3	499
75	530	21	3	527
3+00N	57530	11:22	3	527
LINE	0+50W			
3+00N	57525	11:25	2	523
75	516	28	0	516
50	514	31	-1	515
25	486	35	-4	490
2+00	506	36	-4	510
75	533	37	-5	538
50	497	38	-5	502
25	491	39	-6	497
1+00	545	40	-6	551
75	515	41	-7	521
50	543	42	-7	550
25	57529	11:44	-7	57536

STN	ORIG READ	TIME	DRIFT	CORR. VALUE
LINE	0+50W			
BLOO	57506	12:30	-30	57536
0+25S	488	33	-30	518
50	491	38	-28	519
75	471	42	-27	498
1+00	457	44	-27	484
25	414	48	-26	440
50	533	50	-25	558
75	522	1:06	-22	544
2+00	503	10	-21	524
25	526	15	-20	546
50	513	18	-20	533
75	465	20	-19	484
3+00S	482	1:22	-19	501
LINE	0+00			
3+00S	57463	1:31	-17	480
75	540	33	-16	556
50	507	37	-16	523
25	471	38	-16	487
2+00	468	39	-15	483
75	502	43	-14	516
50	479	45	-14	493
25	57487	1:48	-13	57500

MAG SURVEY CONT

STN	ORIG READ	TIME	DRIFT	CORR VALUE
LINE	0+00			
1+00S	57441	1:49	-13	57454
75	507	51	-12	519
50	498	55	-11	509
25	527	58	-11	538
BL00	57550	2:01	-10	57560
0+25N	542	05	-11	553
50	509	09	-11	520
75	484	11	-11	495
1+00	509	15	-12	521
25	515	18	-12	527
50	502	21	-13	515
75	505	22	-13	518
2+00	515	24	-13	528
25	547	26	-14	561
50	515	27	-14	529
75	489	28	-14	503
3+00N	57600	2:29	-14	614
LINE	0+50E			
3+00N	57627	2:34	-15	642
75	615	37	-15	630
50	589	41	-16	605
25	574	2:47	-17	591

STN	ORIG. READ	TIME	DRIFT	WRP VALUE
LINE	OT 50 E			
2+00N	57571	2:48	-17	57588
75	557	51	-18	575
50	539	52	-18	557
25	566	54	-18	584
1+00	538	55	-18	556
75	600	57	-19	619
50	528	58	-19	547
25	634	2:59	-19	653
BLUO	57513	3:00	-19	57532
OT 25 S	561	01	-19	580
50	544	02	-19	563
75	596	06	-18	614
1+00	550	07	-18	568
25	530	08	-17	547
50	528	10	-17	545
75	544	11	-17	561
2+00	520	12	-17	537
25	524	16	-16	550
50	525	17	-16	541
75	519	22	-15	534
3+00 S	57525	3:24	-15	57540

MAG SURVEY

STN	ORIG READ	TIME	DRIFT	CORR READING
LINE 1400E				
3+005	57521	3:27	-14	57535
75	520	32	-13	533
50	508	33	-13	521
25	523	36	-13	536
2+00	528	37	-13	541
75	548	41	-12	560
50	540	43	-12	562
25	549	44	-11	560
1+00	576	44	-11	587
75	526	47	-11	537
50	600	49	-11	611
25	555	50	-10	565
BL00	57630	3:51	-10	57640 Aug 23/89
BL00	57638	10:51	-2	57640 Aug 24/89
0+25N	778	55	-4	782
50	671	57	-6	677
75	718	58	-6	724
1+00N	57707	11:00	-7	714
LINE 1450E				
0+75N	57401	11:09	-10	411
50	594	08	-12	606
25	57309	11:13	-15	57324

STN	ORIG READ.	TIME	DRIFT	CORR. VALUE
LINE 1450E				
BLOO	57138	11:15	-16	57154
0425S	56653	21	-17	580
50	58097	24	-18	58115 *
75	57363	28	-18	57381
1400	600	30	-19	619
25	494	33	-19	513
50	425	36	-20	444
75	533	39	-20	553
2400	58042	41	-20	58062 *
25	57580	49	-22	57602
50	582	12:00	-24	606
75	587	04	-25	612
3400S	57532	12:06	-25	557
LINE 2400E				
3400S	57424	12:12	-26	550
75	431	19	-27	458
50	437	22	-28	465
25	451	25	-28	479
2400	623	26	-28	651
75	435	29	-29	464
50	345	32	-29	374
25	353	12:33	-30	383

MAG SURVEY CONT.

STN	ORIG READ	TIME	DRIFT	CORR VALUE
LINE	2400E			
1+005	57413	12:39	-30	57433
75	392	35	-30	422
50	57452	12:37	-30	482
LINE	1+50E			
BLOO	57123	12:41	-31	57154

HOODOO GRID - NORTH ZONE

Aug. 23/89

STN	ANGLE	HD	SLOPE	VD	
LINE 1+50w					1139
0+255	22.5	23.1	25	9.6	1149
50	27	22.3	"	11.3	1160
75	14	16.5	17.0	4.1	1164
	13	10.6	10.9	2.5	1167
1+00	13.5	24.3	25	5.8	1172
25	17	23.9	"	7.3	1180
50	13.5	24.3	"	5.8	1185
75	20.5	23.4	"	8.8	1194
2+00	9	23.2	23.5	3.7	1198
	-17.5	2.4	2.5	-0.8	1197
25	-24.5	22.7	25	-10.4	1187
50	6	24.9	"	2.6	1189
75	3	25	"	1.3	1191
3+00	0	25	"	0	1191

LINE 1+00w BEARING 190°

3+00'S BEARINGS FROM LINE 1+50w; 088° $\frac{VD}{HD} = \frac{-4.2}{21.8}$ \neq 092° $\frac{VD}{HD} = \frac{-30}{32.9}$

75	11	24.5	25	4.8	1155
50	22	16.8	18.1	6.8	1160
	7	6.9	7	0.9	1167
25	17	15.9	16.6	4.9	1168
	-1	8.2	8.2	-0.1	1173

HOODOO GRID - NORTH ZONE

STN	ANGLE	HD	SLOPE	VD	
LINE 1+000					
2+005	22.5	23.1	25	9.6	1182
75	32	11.5	13.6	7.2	1189
	1	11.3	11.3	0.2	1190
50	-15	24.1	25	-6.5	1183
25	-31	21.4	"	-12.9	1170
1+00	-36	20.2	"	-14.7	1155
75	-25	22.7	"	-10.6	1145
50	-23	23.0	"	-9.8	1135
25	-15	24.1	"	-6.5	1129
BL00	-8	24.8	"	-3.5	1125
0+25N	-4	24.9	"	-1.7	1123
50	-8	24.8	"	-3.5	1120
75	-13.5	24.3	"	-5.8	1114
1+00	-33	21.0	"	-13.6	1100
25	-22	23.2	"	-9.4	1091
50	-12	24.5	"	-5.2	1086
75	-10	24.6	"	-4.3	1082
2+00	-0.5	25	"	-0.2	1081
25	-4	24.9	"	-1.7	1080
50	5	24.9	"	2.2	1082
75	-1	25	"	-0.4	1081
3+00N	-6.5	24.8	"	-2.8	1079

HOODOO GRID - NORTH ZONE

STN	ANGLE	HD	SLOPE	VD	
LINE	0+50 W	BEARING	1930		
3+00 N	BEARINGS FROM LINE 1+00 W	107°			VD = -26.6 HD = 47.1
75	13	24.4	25	5.6	1047
50	12	24.5	"	5.2	1052
25	10	24.6	"	4.3	1057
2+00	12	24.5	"	5.2	1062
75	10	24.6	"	4.3	1067
50	7	24.8	"	3.0	1071
25	18.5	23.7	"	7.9	1074
1+00	22	23.2	"	9.4	1082
75	24	22.8	"	10.2	1092
50	0	25	"	0	1102
25	4	24.9	"	1.7	1102
B100	-10.5	24.6	"	-4.6	1104
0+25 S	14.5	24.2	"	6.3	1099
50	20	15.5	16.5	5.6	1105
	-5	9.7	9.7	0.8	1111
75	8.5	24.7	25	3.7	1112
1+00	3	25	"	1.3	1115
25	18.5	23.7	"	7.9	1117
50	10	24.6	"	4.3	1125

JOG IN LINE: BEARING 110°

SLOPE ANGLE -200

HD = 11.2
VD = -4.1

1125

HOODOO GRID - NORTH ZONE

STN	ANGLE	HD	SLOPE	VD	
LINE	0750 W	BEARING		193°	
3000	BEARINGS FROM LINE 1000 W : 107°			VD = -26.6	HD = 47.1
75	13	24.4	25	5.6	1047
50	12	24.5	"	5.2	1052
25	10	24.6	"	4.3	1057
2000	12	24.5	"	5.2	1062
75	10	24.6	"	4.3	1067
50	7	24.8	"	3.0	1071
25	18.5	23.7	"	7.9	1074
1000	22	23.2	"	9.4	1082
75	24	22.8	"	10.2	1092
50	0	25	"	0	1102
25	4	24.9	"	1.7	1102
BL00	-10.5	24.6	"	-4.6	1104
0725 S	14.5	24.2	"	6.3	1099
50	20	15.5	16.5	5.6	1105
	-5	9.7	9.7	0.8	1111
75	8.5	24.7	25	3.7	1112
1000	3	25	"	1.3	1115
25	18.5	23.7	"	7.9	1117
50	10	24.6	"	4.3	1125

LOG IN LINE: BEARING 110°

SLOPE ANGLE -20°

HD = 11.2
VD = -4.1

1125

STN	ANGLE	HD	slope	VD		
LINE 0+50W BEARINGS 195° (JOGGED LINE)						
1+50 S						
75	21	25.4	27.2	9.7	1135	
2+00	18	23.8	25	7.7	1142	
25	-10	16.7	17.5	-3.0	1139	
	-25	8.9	9.8	-4.1	1135	
50	-11.5	24.5	25	-5.0	1130	
75	-14	24.3	"	-6.0	1124	
3+00	-8	24.8	"	-3.5	1121	
LINE 0+00 BEARINGS 015°						
3+00 S	BEARINGS	FROM LINE 0+50W, 075				VD = -8.3 HD = 29.9
75	13	24.4	25	5.6	1110 1115	
50	0	25.0	"	0	1115	
25	4	24.9	"	1.7	1117	
2+00	-17	23.9	"	-7.3	1110	
75	-5	24.9	"	-2.2	1107	
50	-5	24.9	"	-2.2	1105	
25	-16	24.0	"	-6.9	1098	
1+00	-9	24.7	"	-3.9	1094	
75	5	24.9	"	2.2	1097	
50	-15	13.5	14	-3.6	1093	
	-37	11.6	14.5	-8.7	1084	
25	-9	24.7	25	-3.9	1080	

HOODOO GRID - NORTH ZONE

STN	ANGLE	HD	SLOPE	VD	
LINE	0+00	BEARING	015		
BL00	-1	25	25	-0.4	1080
0+25 N	31	6.9	8	4.1	1084
50	-1	18	18	-0.3	1084
50	0	25	25	0	1084
75	-10	24.6	25	-4.3	1080
1+00	16	19.2	20	5.5	1085
	-36	4.0	5	-2.9	1082
25	-20	23.5	25	-8.6	1074
50	-18	23.8	"	-7.7	1066
75	-13	24.4	"	-5.6	1060
2+00	8	10.2	10.3	1.4	1062
	-21	13.7	14.7	-5.3	1056
25	-14	24.3	25	-6.0	1050
50	-13	24.4	"	-5.6	1045
75	-14	24.3	"	-6.0	1039
3+00	-10	24.6	"	-4.3	1034
LINE	0+50 E	BEARING	190°		
3+00 N	BEARING FROM LINE 0+00		109		VD = -12.4 HD = 63.7
75	4	24.9	25	1.7	1021 1022
50	15	18.8	19.5	5.0	1027
25	13.5	28.0	28.8	6.7	1034

HOODOO GRID - NORTH ZONE

STN	ANGLE	HD	SLOPE	VD	
LINE	HOOR	BEARINGS	015°		
3400S	BEARINGS	FROM LINE	0150E	90	VD = -6.7 HD = 31.4
75	2.5	14.2	14.2	0.6	1094
	-20	9.4	10.0	-3.4	1095
50	-18	23.8	25	-7.7	1091
25	22	23.2	"	9.4	1083
2+00	-26	22.5	"	-11.0	1093
75	-19	23.6	"	-8.1	1082
50	-12	24.5	"	-5.2	1074
25	-3	25	"	-1.3	1069
400	-10	24.6	"	-4.3	1068
75	-8	14.4	14.5	-2.0	1063
	-23.5	9.6	10.5	-4.2	1061
50	-19	23.6	25	-8.1	1057
25	-14	24.3	"	-6.0	1049
B300	2.5	25	"	1.1	1043
0+25S	-1	17.6	17.6	-0.3	1044
	-25	8.0	8.8	-3.7	1040
50	-5	24.9	25	-2.2	1038
75	10	24.6	"	4.3	1042
1+00N	8	24.8	"	3.5	1046

STN.	ANGLE	HD	SLOPE	VD	
LINE 1 ST BEARINGS		014°			
0+75N BEARINGS FROM LINE 1 ST BEARINGS		129°		VD = -27.6	
				HD = 51.8	1018
50	1.5	25	25	0.7	1018
25	-14	24.3	"	-6.0	1012
Bloo	20	23.5	"	8.6	1021
0+25S	4	16.3	16.3	1.1	1022
	-10	10.3	10.5	-1.8	1020
50	12	24.5	25	5.2	1026
75	24	22.8	"	10.2	1036
1+00	35.5	20.4	"	14.5	1050
25	15	24.1	"	6.5	1057
50	19	23.6	"	8.1	1065
75	15.5	24.1	"	6.7	1072
2+00	4.5	24.9	"	2.0	1074
25	-31	17.1	20.0	-10.3	1063
	34	6.1	7.3	4.1	1067
50	23	23.0	25	9.8	1077
75	13	24.4	"	5.6	1083
3+00 S	-6	24.9	"	-2.6	1080
LINE 2 ND BEARINGS		012°			
3+00 S BEARING FROM LINE 1 ST BEARINGS		099°		VD = -9.1	
				HD = 27.9	1058
75	28	16.8	19	8.9	1067
	-3	7	7	-0.4	1067

HOODOO GRID - NORTH ZONE

STN	ANGLE	HD	SLOPE	VD	
LINE 2400 E					
2450S	3	25	25	1.3	1068
25	-12	24.5	"	-5.2	1063
2400	-18	23.8	"	-7.7	1058
75	-9	24.7	"	-3.9	1051
50	-14	24.3	"	-6.0	1045
25	-18.5	23.7	"	-7.9	1037
1400	-16	24.0	"	-6.9	1030
75	-10	24.6	"	-4.3	1026
0450S	-7.5	24.8	"	-3.3	1023

81
39.3
13.0

HOODOO GRID - NORTH ZONE CONTROL SURVEY

LINE 3to00

BLOO to 3to00: BEARING: 012°

ANGLE	SLOPE	69M CHAIN	
-18.5	69	3+00 - 5L	017°
-9	69	15	60
0	9m	18.5	21
-3	70	3.5	35 ³⁴
+3	50	-12	69
-19	22	-5	69
-15	10.5	1.5	33
		-25	10

LINE 0+50E

3to00 to BLOO	BEARING 195	PL 70 3to00	190°
10°	69m	-0.5	50
15.5	69 ⁰⁰	9.5	50
19	39.75	9.5	69
-3	97	23.5	69
3.5	50	9	26.3
-8	24.9	12.5	49.5

HOODOO GRID-NORTH ZONE CONTROL SURVEY

50
15

TIE LINE 3100N

STN	BEARING	ANGLE	SOPE	HD	VD
3100W	88	-15	10.5	10.1	³ ₃ -2.7
	92	-32.5	69	58.2	-37.1
		-3.5	16	16	-1.0
2150W	120	8	12.5	12.9	1.7
2100W	98-	+0.5	46.0	40.0	0.3
		-9.5	35.25	39.8	-5.8
1750W	104	-17.5	27.3	26.0	-8.2
	102	-33.5	36.75	^{14.8} 30.6	-20.3
1400W	108	-30	^{17.5} 55	47.6	-27.5
0750	100	-15	52.5	50.7	-13.6
00	108	-11.5	^{3.75} 62.75	65.4	-13.3
TOTAL					-127.5

HOODOO GRID-NORTH ZONE CONTROL SURVEY

50
15

TIE LINE 3100N

STN	BEARING	ANGLE	SOPE	HD	VD
3100W	88	-15	10.5	10.1	² ₃ -2.7
	92	-32.5	69	58.2	-37.1
		-3.5	16	16	-1.0
2150W	120	8	12.5	12.9	1.7
2100W	98-	+0.5	46.0	40.0	0.3
		-9.5	35.25	39.8	-5.8
1150W	104	-17.5	27.3	26.0	-8.2
	102	-33.5	36.75	^{14.8} 30.6	-20.3
1100W	108	-30	55	47.6	-27.5
0150	100	-15	^{17.5} 52.5	50.7	-13.6
00	108	-11.5	^{3.25} 66.75	65.4	-13.3
TOTAL					-127.5

69
18
51

69-24.5
22.5

TIE LINE 3+00

STN	BEARINGS	ANGLE	SLOPE	HD	VD
0+50E	286	7.5	64	63.5	8.4
0+00	257	15.5	¹² 31	29.9	8.3
0+50W	293	35	¹⁴ 43	35.2	³ 24.7
	313	16	45	43.3	12.4
1+00W	275	36.5	^{15.5} 53.5	43.0	31.8
	272	6.5	^{30-10.5} 17.5	17.4	2.0
1+50	293	3	^{26.5} 22.5	22.5	1.2
2+00	288	30	15	13	7.5
	290	-13.5	51	49.6	-11.9
2+50	287	-5	30	29.9	-2.6
	293	-15.5	20	19.3	-5.3
TOTAL					76.7