



Bergvesenet

Postboks 3021, N-7441 Trondheim

Rapportarkivet

Innlegging av nye rapporter ved: Peter

Bergvesenet rapport nr 5854	Intern Journal nr	Internt arkiv nr	Rapport lokalisering	Gradering
Kommer fra ..arkiv Folldal Verk AS	Ekstern rapport nr	Oversendt fra Folldal Verk a.s.	Fortrolig pga	Fortrolig fra dato:
Tittel AVVIKSMÅLING SEVILLVANGEN 19. - 20. 06.91, PROSJEKT 140				
Forfatter Mørkhagen, S.		Dato År 20.06 1991	Bedrift (oppdragsgiver og/eller oppdragstaker) Devico	
Kommune Tynset	Fylke Hedmark	Bergdistrikt	1: 50 000 kartblad 16193	1: 250 000 kartblad Røros
Fagområde Boring	Dokument type		Forekomster (forekomst, gruvefelt, undersøkelsesfelt) Sevillvangen	
Råstofgruppe Malm/metall	Råstofftype Cu, Zn			

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

Avviksboring av 5 borehull ved sevillvangen prøveboringsfelt bh. S-41, S-43, S-44, S-45, S-46

RAPPORT

AVVIKSMÅLING

SEVILLVANGEN

19. - 20.06.91

PROSJEKT 140



DIRECTIONAL DRILLING DEVIATION MEASUREMENT

Nedre Ila 39
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Rapportens tittel	Data
Avviksmåling Sevillvangen	19.-20.06.91
	Antall sider og bilag
Saksbehandler/forfatter	Ansv.sign.
Siv.ing. H. Mørkhagen	<i>Ulla</i>
Avdeling	Prosjektnummer
	140
ISBN nr.	Prisgruppe

Oppdragsgiver	Oppdr.givers ref.
Folldal Verk	Ivar Killi

Ekstrakt

Avviksmåling av 5 borehull ved
Sevillvangen prøveboringsfelt
bh. S-41, S-43, S-44, S-45, S-46.

Stikkord på norsk

Indexing Terms: English

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Egenvalgte stikkord		

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1. DATAOVERSIKT

Målingene utført av	: Håvard Mørkhagen, Devico
Instrument	: Eastman Multiple Shot Survey Instrument.
Måleintervall	: 10m
Innføringsmåte	: Wire og vinsj.
Databehandling foretatt av	: Håvard Mørkhagen
Missvisning	: Stort sprik mellom geodetisk innmålt retning og retning avlest på kompasset (fr a -10gon til +25gon) gjør at man har valgt å bruke missvisningen som ble funnet ved en tidligere måling i dette området. Denne er på +2.5gon, noe som stemmer bra med de isogeniske kart. Årsaken til det store spriket som ble funnet er trolig hullenes bratte startfall.
Diverse	: Ett uhell med måleutstyret den 19. gjorde at man måtte måle fire hull igjen på den 20. Gradians = gon. 400 graders sirkel. Understrekede dyp er hvor siste måling er tatt.

2. TILLEGG

DEV BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvängen
 PROJECT: S-41 FILELOCATION: A:

CLIENT: Folldal verk DATE: 19.6.91 HOLE: S-41

DEPTH	DIR.	INCL.	X	Y	Z
4.00	88.61	5.50	9610.34	9786.00	674.47
14.00	88.61	5.80	9610.51	9786.97	664.52
24.00	88.61	6.20	9610.70	9788.00	654.57
34.00	88.61	6.70	9610.90	9789.10	644.64
44.00	88.61	6.50	9611.10	9790.23	634.70
54.00	88.61	7.00	9611.31	9791.39	624.77
64.00	86.39	7.20	9611.55	9792.60	614.85
74.00	88.61	8.00	9611.81	9793.90	604.94
84.00	86.94	10.00	9612.11	9795.43	595.06
94.00	88.06	11.50	9612.47	9797.26	585.24
104.00	87.28	12.20	9612.87	9799.28	575.45
114.00	89.17	13.30	9613.27	9801.45	565.70
124.00	89.17	13.50	9613.67	9803.73	555.97
134.00	88.06	14.80	9614.10	9806.14	546.27
144.00	89.17	15.00	9614.56	9808.67	536.61
154.00	89.17	15.80	9615.01	9811.28	526.97
164.00	90.28	16.50	9615.46	9814.03	517.36
174.00	91.39	17.50	9615.87	9816.92	507.80
184.00	92.50	18.00	9616.26	9819.95	498.28
194.00	94.17	19.00	9616.59	9823.10	488.79
204.00	95.83	20.00	9616.85	9826.43	479.37
214.00	96.39	21.00	9617.06	9829.92	470.00
224.00	97.50	22.00	9617.24	9833.58	460.69
234.00	98.94	22.50	9617.34	9837.37	451.44
244.00	100.61	23.00	9617.36	9841.24	442.22
254.00	101.94	23.50	9617.28	9845.18	433.03
264.00	100.83	24.30	9617.19	9849.23	423.89
274.00	99.17	24.50	9617.19	9853.37	414.78
284.00	100.28	25.50	9617.21	9857.59	405.72
294.00	101.39	26.00	9617.15	9861.93	396.71
304.00	102.50	26.50	9617.01	9866.36	387.74

Direction in Gons , inclination in Degrees , zero down

DEV BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvängen
 PROJECT: S-41 FILELOCATION: A:

DEVIATION ANALYSE COMPARED TO HOLE WITHOUT DEV.

CLIENT: Folldal verk DATE: 19.6.91 HOLE: S-41

DEPTH	dX	dY	dZ	DEV	DEV/L	ANG	ANG/L
4.00	.00	.00	.00	.00	.00	.00	.00
14.00	-.00	-.03	-.00	.03	.00	.33	.03
24.00	-.02	-.11	-.01	.11	.00	.44	.04
34.00	-.05	-.27	-.03	.28	.01	.56	.06
44.00	-.08	-.46	-.05	.47	.01	.22	.02
54.00	-.12	-.67	-.07	.69	.01	.56	.06
64.00	-.19	-.94	-.10	.97	.02	.35	.04
74.00	-.28	-1.29	-.14	1.33	.02	.94	.09
84.00	-.41	-1.89	-.22	1.94	.02	2.24	.22
94.00	-.60	-2.77	-.35	2.86	.03	1.68	.17
104.00	-.82	-3.84	-.52	3.96	.04	.79	.08
114.00	-1.05	-5.07	-.72	5.23	.05	1.29	.13
124.00	-1.28	-6.41	-.95	6.60	.05	.22	.02
134.00	-1.54	-7.87	-1.20	8.11	.06	1.47	.15
144.00	-1.83	-9.46	-1.49	9.75	.07	.36	.04
154.00	-2.11	-11.13	-1.81	11.47	.07	.89	.09
164.00	-2.38	-12.93	-2.16	13.33	.08	.84	.08
174.00	-2.63	-14.88	-2.55	15.33	.09	1.16	.12
184.00	-2.84	-16.97	-2.98	17.46	.09	.65	.07
194.00	-3.00	-19.18	-3.45	19.72	.10	1.23	.12
204.00	-3.09	-21.56	-3.98	22.14	.11	1.24	.12
214.00	-3.14	-24.11	-4.56	24.74	.12	1.13	.11
224.00	-3.14	-26.83	-5.21	27.51	.12	1.18	.12
234.00	-3.07	-29.67	-5.91	30.41	.13	.78	.08
244.00	-2.92	-32.60	-6.64	33.39	.14	.85	.09
254.00	-2.67	-35.60	-7.41	36.46	.14	.77	.08
264.00	-2.41	-38.71	-8.22	39.64	.15	1.00	.10
274.00	-2.24	-41.89	-9.07	42.92	.16	.72	.07
284.00	-2.08	-45.18	-9.96	46.31	.16	1.21	.12
294.00	-1.85	-48.58	-10.91	49.82	.17	.74	.07
304.00	-1.55	-52.05	-11.89	53.42	.18	.74	.07

DEV = Total offset from planned hole

DEV/L = Total deviation/depth

ANG = Angel between two points in Degrees

ANG/L = ANG/depth

E V BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvangen
 PROJECT: S-43 FILELOCATION: A:

CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-43

DEPTH	DIR.	INCL.	X	Y	Z
4.00	109.17	6.50	9556.56	9747.16	670.95
14.00	109.17	6.50	9556.40	9748.28	661.01
24.00	109.17	9.50	9556.20	9749.66	651.11
34.00	108.61	10.50	9555.96	9751.38	641.26
44.00	107.50	12.00	9555.71	9753.31	631.46
54.00	105.83	13.00	9555.49	9755.46	621.69
64.00	104.17	14.50	9555.30	9757.83	611.98
74.00	103.06	15.00	9555.16	9760.38	602.31
84.00	102.50	15.50	9555.04	9763.00	592.66
94.00	103.06	15.50	9554.93	9765.67	583.03
104.00	102.50	16.50	9554.81	9768.43	573.41
114.00	102.50	17.00	9554.69	9771.31	563.84
124.00	101.39	18.00	9554.60	9774.31	554.30
134.00	102.50	19.50	9554.50	9777.53	544.83
144.00	104.17	21.50	9554.32	9781.02	535.47
154.00	104.17	22.00	9554.08	9784.72	526.18
165.00	104.17	23.00	9553.80	9788.92	516.02
174.00	103.61	23.50	9553.58	9792.47	507.75
184.00	105.28	25.50	9553.29	9796.60	498.65
194.00	108.06	25.50	9552.84	9800.88	489.62
204.00	110.28	26.00	9552.22	9805.18	480.61
214.00	111.39	26.50	9551.47	9809.54	471.64
224.00	111.94	27.80	9550.64	9814.03	462.75
234.00	114.17	27.80	9549.69	9818.59	453.90
244.00	116.06	28.00	9548.59	9823.14	445.06
254.00	116.94	29.00	9547.36	9827.75	436.28
264.00	116.39	29.30	9546.10	9832.46	427.54
274.00	116.94	29.50	9544.83	9837.20	418.83
282.00	116.94	29.50	9542.50	9845.75	403.16

direction in Gons , inclination in Degrees , zero down

DEV BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvangen
 PROJECT: S-43 FILELOCATION: A:

DEVIATION ANALYSE COMPARED TO HOLE WITHOUT DEV.
 CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-43

DEPTH	dX	dY	dZ	DEV	DEV/L	ANG	ANG/L
4.00	.00	.00	.00	.00	.00	.00	.00
14.00	.00	.00	.00	.00	.00	.00	.00
24.00	.04	-.26	-.03	.26	.01	3.33	.33
34.00	.12	-.86	-.12	.87	.03	1.12	.11
44.00	.20	-1.67	-.25	1.70	.04	1.68	.17
54.00	.26	-2.70	-.42	2.75	.05	1.17	.12
64.00	.29	-3.95	-.65	4.02	.06	1.71	.17
74.00	.27	-5.37	-.91	5.46	.07	.62	.06
84.00	.22	-6.88	-1.20	6.99	.08	.57	.06
94.00	.17	-8.43	-1.50	8.57	.09	.15	.01
104.00	.13	-10.07	-1.82	10.23	.10	1.12	.11
114.00	.08	-11.83	-2.18	12.03	.11	.56	.06
124.00	.01	-13.71	-2.58	13.95	.11	1.16	.12
134.00	-.05	-15.80	-3.05	16.10	.12	1.70	.17
144.00	-.03	-18.18	-3.62	18.54	.13	2.30	.23
154.00	.05	-20.76	-4.26	21.19	.14	.56	.06
165.00	.15	-23.73	-5.03	24.25	.15	1.11	.10
174.00	.22	-26.26	-5.70	26.88	.15	.60	.07
184.00	.35	-29.28	-6.54	30.00	.16	2.33	.23
194.00	.64	-32.44	-7.45	33.29	.17	1.20	.12
204.00	1.10	-35.62	-8.38	36.61	.18	1.11	.11
214.00	1.68	-38.86	-9.35	40.00	.19	.74	.07
224.00	2.35	-42.22	-10.38	43.55	.19	1.47	.15
234.00	3.14	-45.67	-11.47	47.19	.20	1.04	.10
244.00	4.08	-49.10	-12.57	50.84	.21	.91	.09
254.00	5.14	-52.59	-13.72	54.59	.21	1.19	.12
264.00	6.24	-56.17	-14.92	58.46	.22	.43	.04
274.00	7.35	-59.80	-16.14	62.37	.23	.35	.04
292.00	9.39	-66.33	-18.36	69.46	.24	.00	.00

DEV = Total offset from planned hole

DEV/L = Total deviation/depth

ANG = Angel between two points in Degrees

ANG/L = ANG/depth

D E V BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevillvangen
 PROJECT: S-44 FILELOCATION: A:

CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-44

DEPTH	DIR.	INCL.	X	Y	Z
2.00	127.50	10.70	9610.76	9732.80	677.29
12.00	127.50	11.00	9609.97	9734.51	667.47
22.00	127.50	11.50	9609.16	9736.28	657.66
32.00	127.50	12.20	9608.30	9738.15	647.87
42.00	126.94	12.20	9607.42	9740.07	638.10
52.00	126.94	14.20	9606.48	9742.15	628.36
62.00	128.06	14.00	9605.46	9744.36	618.67
72.00	125.83	14.50	9604.45	9746.61	608.97
82.00	124.17	14.50	9603.50	9748.92	599.29
92.00	122.50	15.50	9602.57	9751.34	589.63
102.00	121.39	16.00	9601.65	9753.89	580.01
112.00	119.17	16.00	9600.79	9756.51	570.40
122.00	116.94	16.00	9600.02	9759.15	560.78
132.00	115.83	17.00	9599.29	9761.90	551.20
142.00	114.72	18.00	9598.58	9764.82	541.66
152.00	114.72	19.50	9597.84	9767.95	532.19
162.00	114.72	21.00	9597.05	9771.32	522.81
172.00	114.72	22.00	9596.21	9774.89	513.50
182.00	114.72	22.50	9595.34	9778.57	504.25
192.00	113.61	23.00	9594.49	9782.34	495.03
202.00	113.61	23.50	9593.65	9786.20	485.84
212.00	112.50	24.50	9592.82	9790.18	476.70
222.00	112.50	26.00	9591.99	9794.37	467.66
232.00	111.39	27.00	9591.16	9798.75	458.71
242.00	111.39	28.00	9590.34	9803.30	449.84
252.00	110.28	29.50	9589.53	9808.04	441.07
262.00	111.39	30.50	9588.68	9812.96	432.41
272.00	112.50	31.50	9587.72	9818.02	423.84
292.00	112.50	33.50	9585.62	9828.56	406.97
312.00	112.50	35.00	9583.42	9839.60	390.44
326.50	112.50	35.00	9581.80	9847.76	378.56

Direction in Gons , inclination in Degrees , zero down

E V BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 PERATOR: HM DATE: 91-07-03 LOCATION: Sevilvangen
 ROJECT: S-44 FILELOCATION: A:

EVIAION ANALYSE COMPARED TO HOLE WITHOUT DEV.

CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-44

DEPTH	dX	dY	dZ	DEV	DEV/L	ANG	ANG/L
2.00	.00	.00	.00	.00	.00	.00	.00
12.00	.01	-.02	-.00	.03	.00	.33	.03
22.00	.05	-.11	-.02	.12	.01	.56	.06
32.00	.13	-.29	-.06	.32	.01	.78	.08
42.00	.23	-.52	-.11	.58	.01	.12	.01
52.00	.39	-.92	-.21	1.02	.02	2.22	.22
62.00	.63	-1.44	-.33	1.61	.03	.35	.04
72.00	.87	-2.00	-.47	2.23	.03	.78	.08
82.00	1.05	-2.63	-.61	2.89	.04	.42	.04
92.00	1.20	-3.36	-.78	3.65	.04	1.19	.12
102.00	1.33	-4.23	-.98	4.54	.04	.63	.06
112.00	1.42	-5.16	-1.19	5.48	.05	.61	.06
122.00	1.42	-6.12	-1.41	6.43	.05	.61	.06
132.00	1.36	-7.18	-1.64	7.49	.06	1.15	.12
142.00	1.30	-8.41	-1.93	8.73	.06	1.16	.12
152.00	1.26	-9.85	-2.29	10.19	.07	1.67	.17
162.00	1.27	-11.54	-2.74	11.92	.07	1.67	.17
172.00	1.33	-13.42	-3.26	13.87	.08	1.11	.11
182.00	1.42	-15.42	-3.83	15.95	.09	.56	.06
192.00	1.50	-17.50	-4.43	18.12	.09	.70	.07
202.00	1.56	-19.67	-5.07	20.37	.10	.56	.06
212.00	1.61	-21.97	-5.76	22.77	.11	1.20	.12
222.00	1.67	-24.46	-6.54	25.38	.11	1.67	.17
232.00	1.72	-27.16	-7.42	28.21	.12	1.22	.12
242.00	1.76	-30.02	-8.38	31.22	.13	1.11	.11
252.00	1.80	-33.07	-9.43	34.44	.14	1.75	.18
262.00	1.87	-36.31	-10.60	37.88	.14	1.24	.12
272.00	2.05	-39.69	-11.86	41.47	.15	1.25	.12
292.00	2.60	-46.85	-14.64	49.16	.17	2.22	.11
312.00	3.24	-54.52	-17.76	57.43	.18	1.67	.08
326.50	3.73	-60.23	-20.13	63.62	.19	.00	.00

EV = Total offset from planned hole

EV/L = Total deviation/depth

ANG = Angel between two points in Degrees

ANG/L = ANG/depth

DEV BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvängen
 PROJECT: S-45 FILELOCATION: A:

CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-45

DEPTH	DIR.	INCL.	X	Y	Z
4.00	114.72	15.00	9666.20	9754.44	670.42
14.00	114.72	15.50	9665.60	9757.00	660.77
24.00	114.72	15.80	9664.98	9759.63	651.14
34.00	115.28	16.00	9664.34	9762.29	641.53
44.00	114.72	16.30	9663.69	9765.00	631.92
54.00	113.06	16.30	9663.08	9767.74	622.32
64.00	110.83	16.80	9662.55	9770.53	612.74
74.00	108.61	18.00	9662.10	9773.49	603.19
84.00	106.39	19.00	9661.73	9776.64	593.71
94.00	105.28	21.00	9661.42	9780.04	584.31
104.00	106.39	22.50	9661.08	9783.73	575.03
114.00	107.50	23.20	9660.65	9787.59	565.81
124.00	106.94	24.00	9660.20	9791.57	556.65
134.00	107.50	25.00	9659.73	9795.69	547.55
144.00	106.94	25.80	9659.25	9799.95	538.51
154.00	106.39	26.80	9658.78	9804.36	529.55
164.00	105.83	27.50	9658.35	9808.90	520.65
174.00	106.94	28.50	9657.87	9813.57	511.82
184.00	107.50	30.00	9657.32	9818.43	503.10
194.00	108.61	31.00	9656.68	9823.46	494.48
204.00	109.17	31.50	9655.96	9828.60	485.93
214.00	109.72	32.80	9655.17	9833.86	477.47
224.00	110.28	33.80	9654.31	9839.28	469.11
234.00	110.83	34.30	9653.39	9844.81	460.82
244.00	111.39	35.00	9652.40	9850.41	452.60
254.00	111.39	35.50	9651.37	9856.09	444.43
264.00	112.50	36.00	9650.28	9861.83	436.31
278.50	112.50	36.00	9648.62	9870.18	424.58

Direction in Gons , inclination in Degrees , zero down

D E V BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvangen
 PROJECT: S-45 FILELOCATION: A:

DEVIATION ANALYSE COMPARED TO HOLE WITHOUT DEV.
 CLIENT: Follidal verk DATE: 19.06.91 HOLE: S-45

DEPTH	dX	dY	dZ	DEV	DEV/L	ANG	ANG/L
4.00	.00	.00	.00	.00	.00	.00	.00
14.00	.01	-.04	-.01	.04	.00	.56	.06
24.00	.04	-.15	-.04	.16	.01	.33	.03
34.00	.08	-.29	-.08	.31	.01	.27	.03
44.00	.14	-.48	-.14	.52	.01	.37	.04
54.00	.15	-.70	-.20	.74	.01	.47	.05
64.00	.09	-.98	-.27	1.02	.02	.84	.08
74.00	-.05	-1.41	-.39	1.47	.02	1.49	.15
84.00	-.27	-2.04	-.56	2.14	.03	1.32	.13
94.00	-.55	-2.93	-.83	3.09	.03	2.25	.23
104.00	-.80	-4.10	-1.20	4.35	.04	1.72	.17
114.00	-.97	-5.44	-1.64	5.77	.05	.89	.09
124.00	-1.11	-6.90	-2.14	7.31	.06	.92	.09
134.00	-1.24	-8.50	-2.70	9.00	.07	1.13	.11
144.00	-1.34	-10.24	-3.32	10.85	.08	.92	.09
154.00	-1.47	-12.13	-4.02	12.86	.08	1.14	.11
164.00	-1.63	-14.15	-4.78	15.02	.09	.82	.08
174.00	-1.75	-16.30	-5.61	17.33	.10	1.23	.12
184.00	-1.79	-18.64	-6.54	19.83	.11	1.69	.17
194.00	-1.74	-21.15	-7.59	22.54	.12	1.25	.12
204.00	-1.61	-23.77	-8.70	25.36	.12	.63	.06
214.00	-1.42	-26.51	-9.89	28.33	.13	1.47	.15
224.00	-1.15	-29.41	-11.19	31.49	.14	1.15	.12
234.00	-.82	-32.42	-12.57	34.78	.15	.64	.06
244.00	-.43	-35.50	-14.00	38.16	.16	.84	.08
254.00	.01	-38.66	-15.49	41.65	.16	.56	.06
264.00	.50	-41.88	-17.03	45.21	.17	.85	.09
278.50	1.31	-46.58	-19.31	50.44	.18	.00	.00

DEV = Total offset from planned hole
 DEV/L = Total deviation/depth
 ANG = Angel between two points in Degrees
 ANG/L = ANG/depth

D E V BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevilvangen
 PROJECT: S-46 FILELOCATION: A:

CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-46

DEPTH	DIR.	INCL.	X	Y	Z
4.00	119.72	24.00	9637.97	9767.50	677.96
14.00	119.72	25.00	9636.71	9771.45	668.86
24.00	119.72	25.00	9635.42	9775.47	659.80
34.00	119.72	26.50	9634.09	9779.61	650.79
44.00	119.72	28.80	9632.68	9784.03	641.93
54.00	117.50	31.10	9631.24	9788.81	633.27
64.00	117.50	32.30	9629.82	9793.87	624.76
74.00	118.06	33.00	9628.33	9799.06	616.34
84.00	116.61	34.50	9626.83	9804.41	608.03
94.00	115.83	35.80	9625.38	9809.98	599.85
104.00	116.61	36.20	9623.90	9815.67	591.76
114.00	116.06	37.30	9622.39	9821.45	583.75
124.00	115.83	37.80	9620.87	9827.36	575.82
134.00	116.61	38.80	9619.31	9833.35	567.97
144.00	116.06	40.80	9617.69	9839.54	560.29
154.00	117.50	41.00	9615.98	9845.87	552.73
164.00	117.50	40.00	9614.22	9852.12	545.13
174.00	118.61	40.00	9612.42	9858.29	537.47
184.00	118.61	40.50	9610.56	9864.48	529.83
194.00	120.28	41.00	9608.60	9870.70	522.26
204.00	121.39	41.20	9606.48	9876.92	514.72
214.00	121.39	41.80	9604.30	9883.18	507.23
223.00	121.39	41.80	9600.12	9895.14	493.07

Direction in Gons , inclination in Degrees , zero down

$200 \div dir = X$

$90 \div incl = X$

D E V BOREHOLE SURVEY DEVICO Version - 2.00 1991-06-11
 OPERATOR: HM DATE: 91-07-03 LOCATION: Sevillvangen
 PROJECT: S-46 FILELOCATION: A:

DEVIATION ANALYSE COMPARED TO HOLE WITHOUT DEV.

CLIENT: Folldal verk DATE: 19.06.91 HOLE: S-46

DEPTH	dX	dY	dZ	DEV	DEV/L	ANG	ANG/L
4.00	.00	.00	.00	.00	.00	.00	.00
14.00	.02	-.08	-.04	.09	.01	1.11	.11
24.00	.07	-.23	-.11	.26	.01	.00	.00
34.00	.16	-.49	-.24	.57	.02	1.67	.17
44.00	.33	-1.04	-.52	1.20	.03	2.56	.26
54.00	.53	-1.94	-.99	2.24	.04	2.79	.28
64.00	.71	-3.13	-1.61	3.59	.06	1.33	.13
74.00	.96	-4.44	-2.33	5.10	.07	.83	.08
84.00	1.21	-5.91	-3.15	6.81	.08	1.85	.18
94.00	1.42	-7.61	-4.11	8.77	.09	1.51	.15
104.00	1.66	-9.42	-5.15	10.87	.10	.64	.06
114.00	1.94	-11.34	-6.28	13.10	.11	1.27	.13
124.00	2.21	-13.37	-7.48	15.48	.12	.57	.06
134.00	2.53	-15.49	-8.77	17.98	.13	1.21	.12
144.00	2.92	-17.81	-10.23	20.74	.14	2.25	.23
154.00	3.38	-20.26	-11.80	23.69	.15	.97	.10
164.00	3.91	-22.63	-13.33	26.56	.16	1.11	.11
174.00	4.46	-24.93	-14.81	29.34	.17	.71	.07
184.00	5.09	-27.24	-16.31	32.16	.17	.56	.06
194.00	5.81	-29.59	-17.87	35.06	.18	1.22	.12
204.00	6.68	-31.94	-19.47	38.00	.19	.76	.08
214.00	7.63	-34.33	-21.12	41.02	.19	.67	.07
233.00	9.45	-38.92	-24.31	46.85	.20	.00	.00

DEV = Total offset from planned hole

DEV/L = Total deviation/depth

ANG = Angel between two points in Degrees

ANG/L = ANG/depth

- Avviksmåling i borehull / Deviation Measurement**
- Retningsstyrt boring / Directional Drilling**

