APPENDICES

LOG RECORD AND CHEMICAL ANALYSIS DATA

OF

DRILL HOLE RS·2·18

LOCATION	Bamnet - Narong
COORDINATE	
ELEVATION	about 204^{m}
BEARING	
INCLINATION	90°
DRILLING DATE	started Aug. 19. 1979
	completed Sep. 18. 1979
TOTAL DEPTH	242^{m}.00

Appx. I (a)

(SCALE 1:500)

Depth feet	Depth meter	Core Diameter	Symbols	Thickness	Obtained Core Length	Core Recovery	Geological Description	Formation
50							no core.	
	20							
100								
	40							
150								
200	60							
				69.00	—	—		
	69.00			2.00	—	—	no core; cuttings contains anhydrite.	
	71.00			1.32	1.32	100.00	Anhydrite; white gray to gray massive anhydrite.	
	72.32	PQ size						
250							Mudstone; reddish-brown mudstone, locally gray and gray clay. with glassy harite, veinlet and irregularity, as follows 82.30m ~ 82.70m, 83.70m ~ 84.35m, 88.05m ~ 88.35m, 89.15m ~ 89.45m, 89.90m ~ 90.10m, 92.00m ~ 92.60m, 93.65m ~ 94.20m, dotted gypsum in part.	
	80							
300								
	96.30			23.98	23.98	100.00		
	97.50	"		1.20	1.20	100.00	Sandy-Mudstone; greenish-gray laminated.	
100								
	101.30	"		3.80	3.80	100.00	Mudstone; reddish-brown.	
350		"					Mudstone; dark greenish-gray	
	108.78			7.48	7.48	100.00	Halite; mostly glassy, light-brown, with gray thin anhydrite band in part, bedding make 20 ~ 30° angles to core.	
	110.28	"		1.50	1.50	100.00		
	111.55	"		1.27	1.27	100.00		
400		"					Sylvite ~ Halite; sylvite; mostly cloudy-white colour about 15~20% in halite, halite; light brownish-gray colour.	
	120							
							Halite; smoky gray, massive.	
	132.40			20.85	20.85	100.00		
450		"					Halite; light-brown massive halite with gray anhydrite bands, (thickness 3~20mm, 5~18° angle to core).	
	140							
	147.75			15.35	15.35	100.00		
500		"					Halite; light brown-gray massive halite, with anhydrite bands (less than 10mm thickness).	
	157.62			9.87	9.87	100.00		
	160	"					Halite; smoky-gray massive halite.	
550								
	169.50			11.88	11.88	100.00		
	174.22	"		4.72	4.72	100.00	Halite; light-brown ~ gray massive halite with anhydrite bands, 15~40° angle 15~45° to core.	
		"					Halite; smoky-gray ~ gray massive halite, anhydrite bands angle 15~30° to core.	
600	180							
	185.06			10.84	10.84	100.00		
	186.00	"		0.94	0.94	100.00	Anhydrite; white gray massive halite and layere anhydrite, at above boundary with halite makes irregular contact, at below, sharp contact.	
		"					Halite; light-brown massive halite with some carnallite layers, from 187.27m to 195.33m.	
650	200							

Result of Analysis									
meter	H_2O %	I.M %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	NaCl %
108.78									
110.28	0.24	1.58	58.64	0.72	0.31	0.026	0.061	37.85	96.22
111.55	0.13	0.25	59.21	0.83	0.35	0.023	6.07	34.72	88.26
114.00	0.12	0.10	59.65	0.72	0.32	0.020	0.122	38.54	97.96
117.00	0.14	0.08	60.13	0.13	0.07	0.016	0.044	38.91	98.90
120.00	0.14	0.11	59.78	0.49	0.23	0.018	0.038	38.67	98.30
123.00	0.08	0.10	60.22	0.35	0.16	0.014	0.030	38.98	99.08
126.00	0.14	0.12	60.30	0.36	0.17	0.018	0.050	39.01	99.15
129.00	0.16	0.30	59.69	0.66	0.30	0.023	0.052	38.60	98.11
132.00	0.19	0.77	59.51	0.93	0.40	0.024	0.048	38.50	97.86
135.00	0.15	0.38	59.41	1.00	0.43	0.023	0.049	38.48	97.81
138.00	0.16	0.40	59.10	1.03	0.43	0.026	0.049	38.24	97.20
141.00	0.15	0.71	58.90	1.02	0.44	0.026	0.051	38.09	96.82
144.00	0.17	0.72	59.25	1.05	0.44	0.024	0.050	38.33	97.43
147.00	0.15	2.07	57.41	1.70	0.69	0.025	0.051	37.19	94.53
150.00	0.21	5.29	55.69	2.19	0.90	0.022	0.043	36.06	91.65
153.00	0.38	1.55	58.29	0.97	0.40	0.023	0.052	37.72	95.87
156.00	0.20	3.56	56.28	2.24	0.91	0.022	0.046	36.44	92.64
159.00	0.16	3.98	56.31	2.04	0.82	0.018	0.041	36.48	92.74
162.00	0.12	1.61	57.76	1.81	0.73	0.014	0.046	37.42	95.13
165.00	0.16	3.47	56.88	1.82	0.74	0.018	0.033	36.84	93.65
167.67	0.11	2.80	57.68	1.61	0.64	0.013	0.025	37.38	95.02
171.00	0.12	3.14	57.06	1.93	0.76	0.013	0.025	36.98	93.99
174.00	0.12	3.94	56.54	2.28	0.90	0.013	0.024	36.64	93.14
177.04	0.15	5.05	55.31	2.64	1.05	0.014	0.020	35.85	91.12
180.16	0.12	4.53	55.84	2.52	0.97	0.010	0.018	36.19	91.99
182.88	0.09	2.06	57.32	2.01	0.80	0.009	0.019	37.15	94.43
185.06	0.14	6.32	53.60	3.12	1.25	0.011	0.033	34.77	88.39
186.00									
188.90	1.47	0.19	58.90	0.76	0.32	0.56	2.39	35.72	90.80
191.94	0.25	0.18	59.86	0.78	0.32	0.044	0.25	38.58	98.08
195.10	0.40	0.14	59.78	0.65	0.31	0.073	0.78	38.11	96.88
197.96	0.17	0.11	60.11	0.78	0.34	0.025	0.092	38.86	98.77

		69.00		69.00	—	—			
		71.00		2.00	—	—	no core; cuttings contains anhydrite.		
		72.32	PQ size	1.32	1.32	100.00	Anhydrite; white gray to gray massive anhydrite.		
250							Mudstone; reddish-brown mudstone, locally gray and gray clay. with glossy harite, veinlet and irregularity, as follows 82.30m ~ 82.70m, 83.70m ~ 84.35m, 88.05m ~ 88.35m, 89.15m ~ 89.45m, 89.90m ~ 90.10m, 92.00m ~ 92.60m, 93.65m ~ 94.20m, dotted gypsum in part.		
	80								
300		96.30		23.98	23.98	100.00			
		97.50	〃	1.20	1.20	100.00	Sandy-Mudstone; greenish-gray laminated.		
	100	101.30	〃	3.80	3.80	100.00	Mudstone; reddish-brown.		
							Mudstone; dark greenish-gray		
350			〃						
		108.78		7.48	7.48	100.00	Halite; mostly glassy, light-brown, with gray thin anhydrite band in part, bedding make 20~30° angles to core.		
		110.28	〃	1.50	1.50	100.00			
		111.55	〃	1.27	1.27	100.00			
			〃				Sylvite~Halite; Sylvite; mostly cloudy-white colour about 15~20% in halite, halite; light brownish-gray colour.		
	120								
400							Halite; smoky gray, massive.		
		132.40		20.85	20.85	100.00			
			〃				Halite; light-brown massive halite with gray anhydrite bands, (thickness 3~20mm, 5~18° angle to core).		
450									
	140								
		147.75		15.35	15.35	100.00			
			〃				Halite; light brown-gray massive halite, with anhydrite bands (less than 10mm thickness).		
500									
		157.62		9.87	9.87	100.00			
	160		〃				Halite; smoky-gray massive halite.		
550									
		169.50		11.88	11.88	100.00			
		174.22	〃	4.72	4.72	100.00	Halite; light-brown ~ gray massive halite with anhydrite bands, 15~40° angle 15~45° to core.		
			〃				Halite; smoky-gray ~ gray massive halite, anhydrite bands angle 15~30° to core.		
	180								
600		185.06		10.84	10.84	100.00			
		186.00	〃	0.94	0.94	100.00	Anhydrite; white gray massive halite and layere anhydrite, at above boundary with halite makes irregular contact, at below, sharp contact.		
			〃				Halite; light-brown massive halite with some carnallite layers, from 187.27m to 195.33m.		
650									
	200	200.28		14.28	14.28	100.00			
			〃				Mudstone; redish-brown softly mudstone, with carnallite veinlets and stringers (30~45° angle to core).		
		208.50		8.22	8.22	100.00			
		210.30	〃	1.80	1.80	100.00	Siltstone; greenish-gray colour.		
		210.60	〃	0.30	0.30	100.00	Carnallite; orange-red colour.		
700		214.23	〃	3.63	3.63	100.00	Halite; dark gray massive with carnallite bands.		
		215.35	〃	1.12	1.12	100.00	Carnallite; with gray massive halite.		
		218.40	〃	3.05	3.05	100.00	Tachyhydrite~Carnallite; yellowish ~ orange, with halite.		
	220	219.00	〃	0.60	0.60	100.00	Halite; smoky-gray, with carnallite layer.		
			〃				Halite; smoky gray massive halite.		
		225.66		6.66	6.66	100.00			
750			〃				Halite; smoky gray massive halite with anhydrite dots.		
		230.91		5.25	5.25	100.00			
			〃				Halite; smoky gray massive halite		
	240	240.47		9.56	9.56	100.00			
794.0		241.25	〃	0.78	0.78	100.00	Anhydrite; white-gray massive halite.		
		241.40	〃	0.15	0.15	100.00	Siltstone; greenish, hard.		
		242.00	〃	0.60	0.60	100.00	Siltstone; reddish, hard.		

108.78									
110.28	0.24	1.58	58.54	0.72	0.31	0.026	0.061	37.85	96.22
111.55	0.13	0.25	58.21	0.83	0.35	0.023	5.07	34.72	88.26
114.00	0.12	0.10	59.65	0.72	0.32	0.020	0.122	38.54	97.96
117.00	0.14	0.08	60.13	0.13	0.07	0.016	0.044	38.91	98.90
120.00	0.14	0.11	59.78	0.49	0.23	0.018	0.038	38.67	98.30
123.00	0.08	0.10	60.22	0.35	0.16	0.014	0.030	38.98	99.08
126.00	0.14	0.12	60.30	0.86	0.17	0.018	0.050	39.01	99.15
129.00	0.16	0.30	59.69	0.66	0.30	0.023	0.052	38.60	98.11
132.00	0.19	0.77	59.51	0.93	0.40	0.024	0.048	38.50	97.86
135.00	0.15	0.38	59.41	1.00	0.43	0.023	0.049	38.48	97.81
138.00	0.16	0.40	59.10	1.03	0.43	0.026	0.049	38.24	97.20
141.00	0.15	0.71	58.90	1.02	0.44	0.026	0.051	38.09	96.82
144.00	0.17	0.72	59.25	1.05	0.44	0.024	0.050	38.33	97.43
147.00	0.15	2.07	57.41	1.70	0.69	0.025	0.051	37.19	94.53
150.00	0.21	5.29	55.69	2.19	0.90	0.022	0.043	36.06	91.65
153.00	0.38	1.55	58.29	0.97	0.40	0.023	0.052	37.72	95.87
156.00	0.20	3.56	56.28	2.24	0.91	0.022	0.046	36.44	92.64
159.00	0.16	3.98	56.31	2.04	0.82	0.018	0.041	36.48	92.74
162.00	0.12	1.61	57.76	1.81	0.73	0.014	0.046	37.42	95.13
165.00	0.16	3.47	56.88	1.82	0.74	0.018	0.033	36.84	93.65
167.67	0.11	2.80	57.68	1.61	0.64	0.013	0.025	37.38	95.02
171.00	0.12	3.14	57.06	1.93	0.76	0.013	0.025	36.98	93.99
174.00	0.12	3.94	56.54	2.28	0.90	0.013	0.024	36.64	93.14
177.04	0.15	5.05	55.31	2.64	1.05	0.014	0.020	35.85	91.12
180.16	0.12	4.53	55.84	2.52	0.97	0.010	0.018	36.19	91.99
182.88	0.09	2.06	57.32	2.01	0.80	0.009	0.019	37.15	94.43
185.06	0.14	6.32	53.60	3.12	1.25	0.011	0.033	34.77	88.39
186.00									
188.90	1.47	0.19	58.90	0.76	0.32	0.56	2.39	35.72	90.80
191.94	0.25	0.18	59.86	0.78	0.32	0.044	0.25	38.58	98.08
195.10	0.40	0.14	59.78	0.65	0.31	0.013	0.78	38.11	96.88
197.96	0.17	0.11	60.11	0.78	0.34	0.025	0.072	38.86	98.77
200.28	0.17	0.41	59.50	0.71	0.29	0.025	0.054	38.50	97.87
213.40									
214.23	0.84	1.83	58.71	0.53	0.35	0.18	0.33	37.37	95.00
216.70	17.48	0.44	46.20	0.10	2.16	5.62	4.56	14.20	36.11
218.02	19.67	2.34	42.09	0.16	2.19	6.84	5.48	8.69	22.10
218.96	2.85	0.54	57.65	0.45	0.26	0.80	2.14	34.53	87.78
222.00	0.28	1.53	58.62	1.33	0.55	0.045	0.042	37.90	96.35
224.93	0.10	1.11	58.38	1.46	0.59	0.012	0.014	37.84	96.19
227.95	0.07	1.42	58.19	1.43	0.58	0.010	0.013	37.72	95.88
230.91	0.08	0.78	58.89	1.05	0.43	0.006	0.010	38.17	97.02
234.05	0.05	0.19	59.68	0.64	0.27	0.004	0.007	38.68	98.32
236.96	0.05	0.57	59.24	0.89	0.37	0.002	0.005	38.37	97.53
240.47	0.04	0.80	59.46	0.94	0.38	0.002	0.005	38.55	97.99

LOG RECORD AND CHEMICAL ANALYSIS DATA

OF

DRILL HOLE RS·2·19

LOCATION	Bamnet - Narong
COORDINATE	
ELEVATION	about 204^{m}
BEARING	
INCLINATION	90°
DRILLING DATE	started Aug. 22. 1979
	completed Sep. 12. 1979
TOTAL DEPTH	246^{m}.40

Appx. 1 (b)

(SCALE 1:500)

Depth (meter, bottom)	Core Diameter	Thickness	Obtained Core Length	Core Recovery	Geological Description	Formation
64.00		64.00	—	100.00	no core.	
96.35	PQ size	32.35	32.35	100.00	*Halite ; mostly light-brown ~ honey colour massive halite, with dense anhydrite bands (1~3 cm in thickness).*	
112.10	〃	15.75	15.40	97.78	*Halite ; smoky ~ gray massive halite, with anhydrite bands.*	
113.00	〃	0.90	0.90	100.00	*Anhydrite ; white gray massive, with anhydrite bands.*	
129.90	〃	16.90	16.90	100.00	*Halite ; mostly honey ~ light-brown colour massive halite, with anhydrite, less than 1 %, with carnallite stringers as follows - at 114.50m, 115.25m ~ 116.35m, 122.10 ~ 122.65m.*	
132.22	〃	2.32	2.32	100.00	*Carnallite ; reddish carnallite with mudstone and halite as follows - 129.90m ~ 130.18m carnallite ~ 130.26m mudstone ~ 130.32m carnallite ~ 130.62m halite ~ 132.22m carnallite.*	
133.15	〃	0.93	0.93	100.00		
139.00	〃	5.85	5.85	100.00	*Mudstone ; reddish-brown, with carnallite veins and halite.*	
141.10	〃	2.10	2.10	100.00		
146.88	〃	5.78	5.78	100.00	*Mudstone ; dark-gray mudstone interbedded with reddish-brown mudstone.*	
148.59	〃	1.71	1.71	100.00	*Halite ; with layer carnallite.*	
150.20	〃	1.61	1.61	100.00	*Carnallite ~ Halite ;*	
153.05	〃	2.85	2.85	100.00	*Halite ; with carnallite layers.*	
166.10	〃	13.05	13.05	100.00	*Halite ; smoky gray massive, with white anhydrite bands (thickness ; less than 1cm).*	
	〃				*Halite ; smoky gray massive halite, with anhydrite stringers.*	

Result of Analysis

meter	H_2O %	I.M %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	NaCl %
64.00									
67.85	0.26	1.62	57.48	1.86	0.82	0.030	0.051	37.13	94.39
70.35	0.32	2.56	56.45	2.38	1.03	0.030	0.053	36.47	92.71
72.38	0.28	4.88	55.14	2.35	1.01	0.033	0.050	35.62	90.56
75.00	0.25	3.43	56.01	2.28	0.96	0.031	0.054	36.24	92.12
78.00	0.20	1.21	57.96	1.62	0.69	0.024	0.051	37.49	95.29
81.00	0.21	2.62	56.72	2.19	0.91	0.024	0.044	36.70	93.30
84.15	0.19	2.06	56.70	2.33	0.95	0.029	0.033	36.71	93.32
87.20	0.20	1.82	57.42	2.02	0.86	0.020	0.030	37.15	94.44
90.25	0.23	2.97	56.45	2.08	0.88	0.026	0.036	36.52	92.84
93.30	0.20	2.20	56.90	2.11	0.88	0.23	0.039	36.82	93.59
96.35	0.31	7.04	54.19	1.98	0.80	0.020	0.034	35.11	89.24
99.40	0.26	4.20	55.67	2.26	0.88	0.018	0.025	36.07	91.70
102.45	0.29	7.20	53.79	2.12	0.83	0.020	0.022	34.86	88.61
105.50	0.24	5.40	55.59	1.60	0.65	0.017	0.018	36.02	91.57
108.55	0.29	7.12	54.22	1.89	0.77	0.020	0.031	35.12	89.28
112.00	0.17	5.47	54.18	3.12	1.31	0.019	0.042	35.05	89.11
113.00									
114.40	0.20	0.77	59.15	1.31	0.55	0.028	0.106	38.23	97.17
116.59	5.43	0.09	56.63	0.56	0.26	1.12	2.47	33.12	84.18
118.61	0.18	0.16	59.26	0.85	0.35	0.024	0.12	38.31	97.38
120.75	0.42	0.14	59.43	0.62	0.30	0.068	0.20	38.25	97.22
123.00	1.28	0.25	58.30	1.15	0.47	0.33	0.90	36.67	93.20
124.99	0.28	0.11	59.43	0.65	0.28	0.048	0.18	38.32	97.41
127.57	0.18	0.25	59.61	0.69	0.29	0.027	0.068	38.56	98.01
130.20	0.24	0.29	59.78	0.46	0.21	0.032	0.073	38.66	98.26
132.21	34.68	3.53	37.69	0.11	0.11	8.01	12.45	1.55	4.88
146.88									
148.60	0.44	2.03	58.64	0.44	0.25	0.057	0.12	37.79	96.06
150.60	12.67	0.52	51.98	0.20	0.13	2.82	6.30	24.64	62.64
153.33	4.11	0.20	57.50	0.24	0.13	0.91	2.18	34.24	87.05
157.35	0.07	1.18	58.73	1.12	0.47	0.010	0.036	38.03	96.68
160.40	0.08	0.98	58.48	1.32	0.54	0.009	0.017	37.90	96.35
163.45	0.09	0.88	58.67	1.18	0.49	0.008	0.014	38.02	96.64
166.85	0.11	2.51	57.55	2.02	0.83	0.008	0.014	37.35	94.94
169.55	0.23	5.75	55.25	2.46	0.94	0.018	0.017	35.74	90.86
172.60	0.15	3.66	56.92	2.02	0.83	0.011	0.015	36.89	93.77
175.65	0.10	1.47	58.73	1.12	0.46	0.012	0.018	38.07	96.76
178.70	0.10	1.71	58.47	1.07	0.47	0.009	0.018	37.85	96.21
181.75	0.09	1.66	58.54	0.94	0.39	0.009	0.017	37.92	96.40
184.80	0.07	1.22	58.91	1.07	0.43	0.008	0.015	38.18	97.06
187.85	0.07	1.35	58.82	1.15	0.46	0.008	0.017	38.13	96.92
190.90	0.09	1.87	58.56	1.04	0.43	0.007	0.015	37.95	96.46
193.95	0.07	1.24	58.82	0.98	0.40	0.007	0.012	38.10	96.85
197.00	0.08	1.62	58.73	1.07	0.42	0.007	0.015	38.07	96.77

(1 ~ 3 cm in thickness).

250 80 300 100 350 120 400 450 140 500 160 550 180 600 650 200 700 220 750 240 800 808.4

96.35		32.35	32.35	100.00	(1 ~ 3 cm in thickness).
112.10	〃	15.75	15.40	97.78	Halite; smoky ~ gray massive halite, with anhydrite bands.
113.00	〃	0.90	0.90	100.00	Anhydrite; white gray massive, with anhydrite bands.
129.90	〃	16.90	16.90	100.00	Halite; mostly honey ~ light-brown colour massive halite, with anhydrite, less than 1 %, with carnallite stringers as follows - at 114.50m, 115.25m ~ 116.35m, 122.10 ~ 122.65m.
132.22	〃	2.32	2.32	100.00	Carnallite; reddish carnallite with mudstone and halite as follows - 129.90m ~ 130.18m carnallite ~ 130.26m mudstone ~ 130.32m carnallite ~ 130.62m halite ~ 132.22m carnallite.
133.15	〃	0.93	0.93	100.00	
139.00	〃	5.85	5.85	100.00	
141.10	〃	2.10	2.10	100.00	Mudstone; reddish-brown, with carnallite veins and halite.
146.88	〃	5.78	5.78	100.00	Mudstone; dark-gray mudstone interbedded with reddish-brown mudstone.
148.59	〃	1.71	1.71	100.00	Halite; with layer carnallite.
150.20	〃	1.61	1.61	100.00	Carnallite ~ Halite;
153.05	〃	2.85	2.85	100.00	Halite; with carnallite layers.
166.10	〃	13.05	13.05	100.00	Halite; smoky gray massive, with white anhydrite bands (thickness; less than 1 cm).
210.00	〃	43.90	43.90	100.00	Halite; smoky gray massive halite, with anhydrite stringers.
246.40	〃	36.40	36.40	100.00	Halite; mostly smoky massive halite, with anhydrite bands.

75.00	0.25	3.43	56.01	2.28	0.96	0.031	0.054	36.24	92.12
78.00	0.20	1.21	57.96	1.62	0.69	0.024	0.051	37.49	95.29
81.00	0.21	2.62	56.72	2.19	0.91	0.024	0.044	36.70	93.30
84.15	0.19	2.06	56.70	2.33	0.95	0.029	0.033	36.71	93.32
87.20	0.20	1.82	57.42	2.02	0.86	0.020	0.030	37.15	94.44
90.25	0.23	2.97	56.45	2.08	0.88	0.026	0.036	36.52	92.84
93.30	0.20	2.20	56.90	2.11	0.88	0.23	0.039	36.82	93.59
96.35	0.31	7.04	54.19	1.98	0.80	0.020	0.034	35.11	89.24
99.40	0.26	4.20	55.67	2.26	0.88	0.018	0.025	36.07	91.70
102.45	0.29	7.20	53.79	2.12	0.83	0.020	0.022	34.86	88.61
105.50	0.24	5.40	55.59	1.60	0.65	0.017	0.018	36.02	91.57
108.55	0.29	7.12	54.22	1.89	0.77	0.020	0.031	35.12	89.28
112.00	0.17	5.47	54.18	3.12	1.31	0.019	0.042	35.05	89.11
113.00									
114.40	0.20	0.77	59.15	1.31	0.55	0.028	0.106	38.23	97.17
116.59	5.43	0.09	56.63	0.56	0.26	1.12	2.47	33.12	84.18
118.61	0.18	0.16	59.26	0.85	0.35	0.024	0.12	38.31	97.38
120.75	0.42	0.14	59.43	0.62	0.30	0.068	0.20	38.25	97.22
123.00	1.28	0.25	58.30	1.15	0.47	0.33	0.90	36.67	93.20
124.99	0.28	0.11	59.43	0.65	0.28	0.048	0.18	38.32	97.41
127.57	0.18	0.25	59.61	0.69	0.29	0.027	0.068	38.56	98.01
130.20	0.24	0.29	59.78	0.46	0.21	0.032	0.073	38.66	98.26
132.21	34.68	3.53	37.69	0.11	0.11	8.01	12.45	1.55	4.88
146.88									
148.60	0.44	2.03	58.64	0.44	0.25	0.057	0.12	37.79	96.06
150.60	12.67	0.52	51.98	0.20	0.13	2.82	6.30	24.64	62.64
153.33	4.11	0.20	57.50	0.24	0.13	0.91	2.18	34.24	87.05
157.35	0.07	1.18	58.73	1.12	0.47	0.010	0.036	38.03	96.68
160.40	0.08	0.98	58.48	1.32	0.54	0.009	0.017	37.90	96.35
163.45	0.09	0.88	58.67	1.18	0.49	0.008	0.014	38.02	96.64
166.85	0.11	2.51	57.55	2.02	0.83	0.008	0.014	37.35	94.94
169.55	0.23	5.75	55.26	2.46	0.94	0.018	0.017	35.74	90.86
172.60	0.15	3.66	56.92	2.02	0.83	0.011	0.015	36.89	93.77
175.65	0.10	1.47	58.73	1.12	0.46	0.012	0.018	38.07	96.76
178.70	0.10	1.71	58.47	1.07	0.47	0.009	0.018	37.85	96.21
181.75	0.09	1.66	58.54	0.94	0.39	0.009	0.017	37.92	96.40
184.80	0.07	1.22	58.91	1.07	0.43	0.008	0.015	38.18	97.06
187.85	0.07	1.35	58.82	1.15	0.46	0.008	0.017	38.13	96.92
190.90	0.09	1.87	58.56	1.04	0.43	0.007	0.015	37.95	96.46
193.95	0.07	1.24	58.82	0.98	0.40	0.007	0.012	38.10	96.85
197.00	0.08	1.62	58.73	1.07	0.42	0.007	0.015	38.07	96.77
200.05	0.08	0.99	59.34	1.02	0.44	0.006	0.009	38.43	97.70
203.10	0.09	0.93	59.30	1.06	0.44	0.007	0.010	38.43	97.69
206.15	0.07	1.82	58.64	1.16	0.45	0.007	0.015	38.01	96.62
209.20	0.05	0.42	59.78	0.50	0.21	0.005	0.012	38.74	98.48
212.25	0.05	0.27	59.87	0.40	0.17	0.005	0.010	38.79	98.61
215.70	0.05	0.58	59.78	0.60	0.24	0.004	0.012	38.75	98.50
218.75	0.04	0.58	59.52	0.62	0.29	0.004	0.008	38.56	98.02
221.70	0.08	0.97	59.39	0.96	0.40	0.004	0.007	38.49	97.83
224.70	0.04	0.65	59.61	0.47	0.26	0.003	0.006	38.60	98.11
227.80	0.04	0.78	59.43	0.79	0.36	0.003	0.006	38.51	97.90
230.70	0.03	0.83	59.17	0.80	0.34	0.003	0.005	38.36	97.52
233.60	0.01	1.03	59.34	0.86	0.38	0.002	0.006	38.47	97.78
236.60	0.02	0.65	59.43	0.57	0.29	0.002	0.004	38.49	97.85
239.43	0.03	0.54	59.61	0.71	0.31	0.002	0.005	38.65	98.25
242.70	0.02	0.80	59.52	0.78	0.33	0.001	0.005	38.60	98.13
246.40	0.03	1.18	59.43	0.90	0.39	0.001	0.005	38.52	97.93

LOG RECORD AND CHEMICAL ANALYSIS DATA

OF

DRILL HOLE RS·2·20

LOCATION	Bamnet - Narong
COORDINATE	
ELEVATION	about 204 m
BEARING	
INCLINATION	90°
DRILLING DATE	started Sep. 23. 1979
	completed Oct. 20. 1979
TOTAL DEPTH	218.35 m

Appx. I (c)

(SCALE 1:500)

Depth feet	Depth meter	Core Diameter	Symbols	Thickness	Obtained Core Length	Core Recovery	Geological Description	Formation
	3.00			3.00	—	—	Clay; (Cuttings) mostly dark-gray clay and white sand.	
	10.00			7.00	—	—	Sand; (Cuttings) mostly yellowish-brown fine sand (unconsolidated).	
50							Sand; (Cuttings) gray fine sandstone (unconsolidated).	
	20							
100								
	40							
150								
	60							
200								
	71.00						Sand; (Cuttings) dark gray ~ black sandstone (unconsolidated) with clayey sand.	
	73.80	PQ size		63.80	18.80	29.47		
250	75.10			1.30	1.30	100.00	Anhydrite; white gray layered anhydrite, bedding 40~50° to core axis.	
	79.10			4.00	4.00	100.00	Halite; with-gray ~ smoky-gray massive halite, with anhydrite stringers rarely.	
	80							
300							Halite; mostly transparent massive halite, white anhydrite stringers localy.	
	100							
350								
	120							
400								
	140							
450								
	160							
500								
	180							
550								
600								
	200							
650								
700								
	216.61			137.51	135.40	98.47		
	217.56			0.95	0.95	100.00	Anhydrite; gray massive anhydrite.	
716.4	218.10			0.54	0.54	100.00	Siltstone; greenish gray (consolidated).	
	218.35			0.25	0.25	100.00	Sandstone; reddish-brown (consolidated).	

Result of Analysis

meter	H2O %	I.M %	Cl %	SO4 %	Ca %	Mg %	K %	Na %	NaCl %
75.10									
80.00	0.30	0.43	59.78	0.44	0.19	0.004	0.008	38.74	98.47
82.87	0.24	0.50	59.34	0.58	0.22	0.002	0.007	38.49	97.84
86.00	0.13	0.37	59.78	0.61	0.24	0.002	0.006	38.75	98.51
89.00	0.19	1.22	57.96	1.70	0.67	0.004	0.007	37.61	95.61
91.69	0.08	0.76	58.94	0.99	0.38	0.002	0.007	38.24	97.22
94.76	0.05	0.37	59.35	0.66	0.28	0.002	0.006	38.47	97.80
98.05	0.05	0.47	60.05	0.50	0.23	0.003	0.006	38.90	98.88
101.00	0.29	0.51	59.87	0.57	0.25	0.004	0.006	38.80	98.64
104.12	0.52	0.86	58.20	1.28	0.51	0.004	0.007	37.74	95.94
106.90	0.18	0.86	59.41	0.81	0.32	0.002	0.005	38.53	97.94
109.15	0.08	0.60	59.87	0.56	0.25	0.004	0.006	38.79	98.60
111.55	0.08	0.45	59.41	0.97	0.39	0.003	0.006	38.53	97.94
114.60	0.10	0.46	60.29	0.30	0.12	0.002	0.005	39.06	99.28
117.85	0.01	0.51	59.78	0.32	0.14	0.001	0.005	38.75	98.51
120.70	0.12	0.50	59.96	0.45	0.22	0.002	0.006	38.83	98.71
123.75	0.21	0.23	59.73	0.30	0.12	0.002	0.006	38.72	98.42
126.80	0.19	0.67	59.26	0.82	0.35	0.003	0.006	38.40	97.60
129.85	0.11	0.18	59.30	0.93	0.37	0.002	0.011	38.46	97.76
132.90	0.07	0.50	59.78	0.49	0.23	0.002	0.006	38.75	98.50
135.95	0.06	0.76	59.61	0.77	0.31	0.002	0.007	38.61	98.15
139.00	0.04	0.29	59.69	0.65	0.27	0.002	0.009	38.69	98.36
142.05	0.11	0.10	59.87	0.48	0.20	0.003	0.005	38.80	98.64
145.10	0.14	0.16	59.78	0.54	0.23	0.003	0.006	38.74	98.48
148.15	0.36	0.50	59.87	0.47	0.21	0.005	0.007	38.79	98.60
151.20	0.36	1.81	58.45	1.38	0.56	0.004	0.009	37.89	96.32
154.25	0.24	2.60	57.68	1.46	0.61	0.004	0.008	37.38	95.03
157.30	0.26	0.91	58.82	1.03	0.44	0.003	0.006	38.12	96.89
160.36	0.36	0.46	59.52	0.50	0.25	0.002	0.006	38.54	97.97
163.40	0.41	0.30	59.52	0.37	0.23	0.002	0.006	38.49	97.84
166.45	0.44	1.28	58.47	1.00	0.45	0.003	0.008	37.86	96.23
169.50	0.42	0.18	59.22	0.85	0.34	0.004	0.007	38.40	97.62
172.55	0.49	1.55	58.47	0.84	0.34	0.003	0.006	37.90	96.35
175.60	0.24	0.17	59.95	0.51	0.20	0.002	0.005	38.86	98.79
178.65	0.08	0.83	59.34	0.77	0.32	0.002	0.005	38.47	97.78
181.70	0.05	0.12	59.94	0.54	0.23	0.002	0.006	38.85	98.75
184.75	0.13	1.73	58.73	1.12	0.47	0.003	0.007	38.06	96.76
187.80	0.11	1.12	58.73	1.12	0.46	0.003	0.007	38.06	96.76
190.85	0.11	0.94	58.79	1.10	0.47	0.003	0.006	38.05	96.72
193.90	0.22	1.12	58.50	1.19	0.51	0.003	0.006	37.91	96.35
197.00	0.20	0.56	59.15	0.84	0.36	0.002	0.006	38.33	97.44
200.05	0.15	1.88	58.03	1.41	0.58	0.004	0.007	37.62	95.62
203.10	0.09	0.58	59.51	0.55	0.24	0.002	0.005	38.56	98.03
206.15	0.10	0.63	59.25	0.84	0.34	0.002	0.006	38.41	97.63
209.20	0.14	0.26	59.69	0.62	0.26	0.002	0.006	38.69	98.36
212.25	0.09	0.78	59.70	0.78	0.30	0.003	0.005	38.70	98.38
216.61	0.23	1.06	59.42	0.80	0.31	0.003	0.005	38.52	97.91

LOG RECORD AND CHEMICAL ANALYSIS DATA OF DRILL HOLE RS·2·21

LOCATION	Bamnet - Narong
COORDINATE	
ELEVATION	about 204 m
BEARING	
INCLINATION	90°
DRILLING DATE	started Jan. 18. 1980
	completed Jan. 28. 1980
TOTAL DEPTH	260.90 m

Appx. I (d)

(geological data taken from DMR, Apr. 1980)

(SCALE 1:500)

Depth feet	Depth meter	Core Diameter	Symbols	Thickness	Obtained Core Length	Core Recovery	Geological Description	Formation
50	20						no core.	
100	40							
150	58.00							
200	60						Gypsum & Anhydrite ; 58.00m ~ 64.00m gypsum 64.00m ~ 68.20m anhydrite.	
	68.72			10.72	—	—		
250	80						Halite ; mostly transparent halite.	
300	100							
350	120							
400	140						from about 143.00m in depth, dark halite band increase.	
450	160							
500	180						gypsum spots increase about 182.00m in depth.	
550	200							
600								
650								

Result of Analysis									
meter	H_2O %	I.M %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	NaCl %
69.00									
72.00	0.13	0.52	59.67	0.81	0.35	0.004	0.011	38.66	98.26
75.00	0.10	0.20	59.84	0.56	0.25	0.005	0.010	38.76	98.54
78.00	0.13	0.32	59.58	0.68	0.31	0.006	0.011	38.58	98.06
81.00	0.13	0.28	59.34	0.97	0.41	0.006	0.010	38.45	97.73
84.00	0.11	0.28	59.05	1.55	0.64	0.008	0.010	38.25	97.24
87.00	0.12	0.09	60.04	0.46	0.19	0.004	0.008	38.91	98.90
90.00	0.09	0.05	60.05	0.38	0.16	0.004	0.008	38.90	98.88
93.00	0.11	0.12	59.88	0.62	0.28	0.005	0.008	38.79	98.59
96.00	0.12	0.18	59.95	0.39	0.18	0.004	0.012	38.83	98.70
99.00	0.07	0.12	60.30	0.35	0.14	0.004	0.007	39.09	99.36
102.00	0.06	0.13	60.21	0.34	0.14	0.004	0.008	39.30	99.22
105.00	0.05	0.08	59.60	0.92	0.37	0.004	0.008	38.64	98.21
108.00	0.08	0.23	59.86	0.56	0.24	0.004	0.007	38.78	98.69
111.00	0.06	0.27	59.44	1.20	0.49	0.005	0.008	38.54	97.95
114.00	0.11	0.43	59.14	1.47	0.61	0.006	0.009	38.33	97.44
117.00	0.11	0.43	59.42	1.12	0.47	0.005	0.008	38.51	97.89
120.00	0.09	0.09	59.70	0.76	0.32	0.004	0.008	38.68	98.34
123.00	0.08	0.26	59.61	0.82	0.35	0.006	0.009	38.62	98.18
126.00	0.09	0.26	59.74	0.73	0.31	0.005	0.008	38.71	98.40
129.00	0.13	0.25	59.56	0.85	0.36	0.005	0.009	38.60	98.12
132.00	0.09	0.42	59.23	1.19	0.50	0.004	0.009	38.31	97.57
135.00	0.10	0.34	59.60	0.95	0.39	0.004	0.007	38.64	98.21
138.00	0.09	0.15	59.95	0.73	0.30	0.003	0.006	38.87	98.79
141.00	0.11	0.36	59.48	0.96	0.39	0.004	0.007	38.55	97.99
144.00	0.07	0.27	59.64	0.95	0.38	0.004	0.007	38.68	98.29
147.00	0.10	0.36	59.23	1.17	0.49	0.004	0.008	38.39	97.59
150.00	0.09	0.15	59.84	0.81	0.33	0.004	0.008	38.79	98.61
153.00	0.09	0.28	59.40	1.29	0.52	0.004	0.008	38.52	97.88
156.00	0.07	0.23	59.67	0.87	0.36	0.003	0.006	38.68	98.33
159.00	0.07	0.25	59.58	0.94	0.38	0.003	0.007	38.63	98.18
162.00	0.08	0.22	59.34	1.13	0.46	0.003	0.007	38.48	97.78
165.00	0.08	0.22	59.49	0.98	0.40	0.003	0.007	38.57	98.03
168.00	0.11	0.58	58.80	1.68	0.66	0.003	0.007	38.16	96.89
171.00	0.09	0.23	59.43	0.99	0.40	0.003	0.007	38.54	97.93
174.00	0.06	0.17	59.60	0.85	0.35	0.002	0.007	38.64	98.21
177.00	0.09	0.28	59.51	1.01	0.41	0.003	0.007	38.59	98.06
180.00	0.07	0.23	59.67	1.04	0.42	0.004	0.007	38.69	98.33
183.00	0.06	0.08	60.20	0.38	0.16	0.002	0.006	39.02	99.19
186.00	0.08	0.75	58.90	1.62	0.66	0.003	0.006	38.20	97.06
189.00	0.09	0.36	59.68	1.01	0.41	0.003	0.006	38.64	98.18
192.00	0.09	0.30	58.98	1.43	0.58	0.003	0.007	38.24	97.19
195.00	0.08	0.18	59.69	0.87	0.35	0.002	0.005	38.71	98.36
198.00	0.06	0.32	59.34	1.28	0.51	0.002	0.007	38.42	97.78

Depth scale (printed beside the log): 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850 (left scale); 80, 100, 120, 140, 160, 180, 200, 220, 240, 260 (right scale)

68.72	10.72	—	—		64.00m ~ 68.20m anhydrite.
					Halite ; mostly transparent halite.
					from about 143.00m in depth, dark halite band increase.
					gypsum spots increase about 182.00m in depth.
258.70	189.98	189.98	100.00		
259.65	0.95	0.95	100.00		Anhydrite ; massive anhydrite.
260.20					Siltstone ; green massive.
					Sandstone ; reddish brown massive fine sandstone.

69.00									
72.00	0.13	0.52	59.67	0.81	0.35	0.004	0.011	38.66	98.26
75.00	0.10	0.20	59.84	0.56	0.25	0.005	0.010	38.76	98.54
78.00	0.13	0.32	59.58	0.68	0.31	0.006	0.011	38.58	98.06
81.00	0.13	0.28	59.34	0.97	0.41	0.006	0.010	38.45	97.73
84.00	0.11	0.28	59.05	1.55	0.64	0.008	0.010	38.25	97.24
87.00	0.12	0.09	60.04	0.46	0.19	0.004	0.008	38.91	98.90
90.00	0.09	0.05	60.05	0.38	0.16	0.004	0.008	38.90	98.88
93.00	0.11	0.12	59.88	0.62	0.28	0.005	0.008	38.79	98.59
96.00	0.12	0.18	59.95	0.39	0.18	0.004	0.012	38.83	98.70
99.00	0.07	0.12	60.30	0.35	0.14	0.004	0.007	39.09	99.36
102.00	0.06	0.13	60.21	0.34	0.14	0.004	0.008	39.30	99.22
105.00	0.05	0.08	59.60	0.92	0.37	0.004	0.008	38.64	98.21
108.00	0.08	0.23	59.86	0.56	0.24	0.004	0.007	38.78	98.69
111.00	0.06	0.27	59.44	1.20	0.49	0.005	0.008	38.54	97.95
114.00	0.11	0.43	59.14	1.47	0.61	0.006	0.009	38.33	97.44
117.00	0.11	0.43	59.42	1.12	0.47	0.005	0.008	38.51	97.89
120.00	0.09	0.09	59.70	0.76	0.32	0.004	0.008	38.68	98.34
123.00	0.08	0.26	59.61	0.82	0.35	0.006	0.009	38.62	98.18
126.00	0.09	0.26	59.74	0.73	0.31	0.005	0.008	38.71	98.40
129.00	0.13	0.25	59.56	0.85	0.36	0.005	0.009	38.60	98.12
132.00	0.09	0.42	59.23	1.19	0.50	0.004	0.009	38.31	97.57
135.00	0.10	0.34	59.60	0.95	0.39	0.004	0.007	38.64	98.21
138.00	0.09	0.15	59.95	0.73	0.30	0.003	0.006	38.87	98.79
141.00	0.11	0.36	59.48	0.96	0.39	0.004	0.007	38.55	97.99
144.00	0.07	0.27	59.64	0.95	0.38	0.004	0.007	38.68	98.29
147.00	0.10	0.36	59.23	1.17	0.49	0.004	0.008	38.39	97.59
150.00	0.09	0.15	59.84	0.81	0.33	0.004	0.008	38.79	98.61
153.00	0.09	0.28	59.40	1.29	0.52	0.004	0.008	38.52	97.88
156.00	0.07	0.23	59.67	0.87	0.36	0.003	0.006	38.68	98.33
159.00	0.07	0.25	59.58	0.94	0.38	0.003	0.007	38.63	98.18
162.00	0.08	0.22	59.34	1.13	0.46	0.003	0.007	38.48	97.78
165.00	0.08	0.22	59.49	0.98	0.40	0.003	0.007	38.57	98.03
168.00	0.11	0.58	58.80	1.68	0.66	0.003	0.007	38.16	96.89
171.00	0.09	0.23	59.43	0.99	0.40	0.003	0.007	38.54	97.93
174.00	0.06	0.17	59.60	0.85	0.35	0.002	0.007	38.64	98.21
177.00	0.09	0.28	59.51	1.01	0.41	0.003	0.007	38.59	98.06
180.00	0.07	0.23	59.67	1.04	0.42	0.004	0.007	38.69	98.33
183.00	0.06	0.08	60.20	0.38	0.16	0.002	0.006	39.02	99.19
186.00	0.08	0.75	58.90	1.62	0.66	0.003	0.006	38.20	97.06
189.00	0.09	0.36	59.58	1.01	0.41	0.003	0.006	38.64	98.18
192.00	0.09	0.30	58.98	1.43	0.58	0.003	0.007	38.24	97.19
195.00	0.08	0.18	59.69	0.87	0.35	0.002	0.005	38.71	98.36
198.00	0.06	0.32	59.34	1.28	0.51	0.002	0.007	38.48	97.78
201.00	0.08	0.48	58.88	1.44	0.57	0.002	0.006	38.21	97.03
204.00	0.11	0.37	59.09	1.49	0.61	0.003	0.007	38.31	97.35
207.00	0.07	0.52	59.34	0.91	0.38	0.001	0.006	38.47	97.78
210.00	0.03	0.41	59.69	0.53	0.23	0.001	0.005	38.29	97.33
213.00	0.07	0.68	59.16	0.97	0.40	0.002	0.007	38.35	97.49
216.00	0.04	0.45	59.68	0.68	0.28	0.001	0.006	38.69	98.35
219.00	0.05	0.51	59.13	1.11	0.46	0.001	0.005	38.34	97.44
222.00	0.06	0.49	59.35	0.87	0.34	0.002	0.004	38.50	97.80
225.00	0.09	0.57	59.32	1.32	0.54	0.002	0.007	38.46	97.75
228.00	0.12	0.66	59.05	1.29	0.54	0.002	0.006	38.27	97.28
231.00	0.08	0.28	59.36	1.28	0.53	0.002	0.005	38.48	97.81
234.00	0.09	0.16	59.75	1.00	0.45	0.002	0.006	38.75	98.46
237.00	0.11	0.16	60.02	0.71	0.30	0.001	0.004	38.90	98.89
240.00	0.18	1.68	57.47	2.08	0.85	0.004	0.009	37.25	94.70
243.00	0.10	0.83	58.96	1.37	0.56	0.002	0.006	38.23	97.16
246.00	0.08	0.59	59.14	1.36	0.56	0.002	0.005	38.34	97.45
249.00	0.10	0.62	59.05	1.35	0.56	0.002	0.006	38.28	97.30
252.00	0.05	0.31	59.75	0.99	0.41	0.001	0.004	38.73	98.46
255.00	0.08	0.50	59.36	1.04	0.43	0.002	0.005	38.48	97.81
258.65	0.06	0.47	59.58	0.86	0.36	0.003	0.006	38.62	98.17

Appx. 2 (a) Chemical Analysis of Drill Hole, RS. 2. 18 (Main Components of Rock Salt)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
108.78 – 110.28	0	0.24	1.58	58.54	0.72	0.31	0.026	0.061	37.85	99.327	96.22	203
110.28 – 111.55	1	0.13	0.25	58.21	0.83	0.35	0.023	5.07	34.72	99.583	88.26	281
111.55 – 114.00	2	0.12	0.10	59.65	0.72	0.32	0.020	0.122	38.54	99.592	97.96	258
114.00 – 117.00	3	0.14	0.08	60.13	0.13	0.07	0.016	0.044	38.91	99.520	98.90	302
117.00 – 120.00	4	0.14	0.11	59.78	0.49	0.23	0.018	0.038	38.67	99.476	98.30	298
120.00 – 123.00	5	0.08	0.10	60.22	0.35	0.16	0.014	0.030	38.98	99.934	99.08	291
123.00 – 126.00	6	0.14	0.12	60.30	0.36	0.17	0.018	0.050	39.01	100.168	99.15	281
126.00 – 129.00	7	0.16	0.30	59.69	0.66	0.30	0.023	0.052	38.60	99.785	98.11	266
129.00 – 132.00	8	0.19	0.77	59.51	0.93	0.40	0.024	0.048	38.50	100.372	97.86	258
132.00 – 135.00	9	0.15	0.38	59.41	1.00	0.43	0.023	0.049	38.48	99.922	97.81	254
135.00 – 138.00	10	0.16	0.40	59.10	1.03	0.43	0.026	0.049	38.24	99.435	97.20	235
138.00 – 141.00	11	0.15	0.71	58.90	1.02	0.44	0.026	0.051	38.09	99.387	96.82	239
141.00 – 144.00	12	0.17	0.72	59.25	1.05	0.44	0.024	0.050	38.33	100.034	97.43	223
144.00 – 147.00	13	0.15	2.07	57.41	1.70	0.69	0.025	0.051	37.19	99.286	94.53	210
147.00 – 150.00	14	0.21	5.29	55.69	2.19	0.90	0.022	0.043	36.06	100.405	91.65	199

Appx. 2 (a) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
150.00 – 153.00	15	0.38	1.55	58.29	0.97	0.40	0.023	0.052	37.72	99.385	95.87	198
153.00 – 156.00	16	0.20	3.56	56.28	2.24	0.91	0.022	0.046	36.44	99.698	92.64	182
156.00 – 159.00	17	0.16	3.98	56.31	2.04	0.82	0.018	0.041	36.48	99.849	92.74	179
159.00 – 162.00	18	0.12	1.61	57.76	1.81	0.73	0.014	0.046	37.42	99.510	95.13	163
162.00 – 165.00	19	0.16	3.47	56.88	1.82	0.74	0.018	0.033	36.84	99.961	93.65	152
165.00 – 167.67	20	0.11	2.80	57.68	1.61	0.64	0.013	0.025	37.38	100.258	95.02	155
167.67 – 171.00	21	0.12	3.14	57.06	1.93	0.76	0.013	0.025	36.98	100.028	93.99	149
171.00 – 174.00	22	0.12	3.94	56.54	2.28	0.90	0.013	0.024	36.64	100.457	93.14	148
174.00 – 177.04	23	0.15	5.05	55.31	2.64	1.05	0.014	0.020	35.85	100.084	91.12	145
177.04 – 180.16	24	0.12	4.53	55.84	2.52	0.97	0.010	0.018	36.19	100.198	91.99	147
180.16 – 182.88	25	0.09	2.06	57.32	2.01	0.80	0.009	0.019	37.15	99.458	94.43	146
182.88 – 185.06	26	0.14	6.32	53.60	3.12	1.25	0.011	0.033	34.77	99.244	88.39	146
186.00 – 188.90	27	1.47	0.19	58.90	0.76	0.32	0.56	2.39	35.72	100.310	90.80	228
188.90 – 191.94	28	0.25	0.18	59.86	0.78	0.32	0.044	0.250	38.58	100.264	98.08	100
191.94 – 195.10	29	0.40	0.14	59.78	0.65	0.31	0.073	0.780	38.11	100.243	96.88	107

Appx. 2 (a) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
195.10 – 197.96	30	0.17	0.11	60.11	0.78	0.34	0.025	0.092	38.86	100.487	98.77	100
197.96 – 200.28	31	0.17	0.41	59.50	0.71	0.29	0.025	0.054	38.50	99.659	97.87	101
213.40 – 214.23	32	0.84	1.83	58.71	0.53	0.36	0.18	0.33	37.37	100.15	95.00	281
214.23 – 216.70	33	17.48	0.44	46.20	0.10	2.16	5.62	4.56	14.20	90.76	36.11	1,633
216.70 – 218.02	34	19.67	2.34	42.09	0.16	2.19	6.84	5.48	8.69	87.46	22.10	2,390
218.02 – 218.96	35	2.85	0.54	57.65	0.45	0.26	0.80	2.14	34.53	99.22	87.78	508
218.96 – 222.00	36	0.28	1.53	58.62	1.33	0.55	0.045	0.042	37.90	100.297	96.35	230
222.00 – 224.93	37	0.10	1.11	58.38	1.46	0.59	0.012	0.014	37.84	99.506	96.19	153
224.93 – 227.95	38	0.07	1.42	58.19	1.43	0.58	0.010	0.013	37.72	99.433	95.88	86
227.95 – 230.91	39	0.08	0.78	58.89	1.05	0.43	0.006	0.010	38.17	99.416	97.02	66
230.91 – 234.05	40	0.05	0.19	59.68	0.64	0.27	0.004	0.007	38.68	99.521	98.32	55
234.05 – 236.96	41	0.05	0.67	59.24	0.89	0.37	0.002	0.005	38.37	99.597	97.53	47
236.96 – 240.47	42	0.04	0.80	59.46	0.94	0.38	0.002	0.005	38.55	100.177	97.99	42

Appx. 2 (b) Chemical Analysis of Drill Hole, RS. 2. 19 (Main Components of Rock Salt)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
64.00 – 67.85	1	0.26	1.62	57.48	1.86	0.82	0.030	0.051	37.13	99.251	94.39	210
67.85 – 70.35	2	0.32	2.56	56.45	2.38	1.03	0.030	0.053	36.47	99.293	92.71	207
70.35 – 72.38	3	0.28	4.88	55.14	2.35	1.01	0.033	0.050	35.62	99.363	90.56	197
72.38 – 75.00	4	0.25	3.43	56.01	2.28	0.96	0.031	0.054	36.24	99.255	92.12	171
75.00 – 78.00	5	0.20	1.21	57.96	1.62	0.69	0.024	0.051	37.49	99.245	95.29	161
78.00 – 81.00	6	0.21	2.62	56.72	2.19	0.91	0.024	0.044	36.70	99.418	93.30	158
81.00 – 84.15	7	0.19	2.06	56.70	2.33	0.95	0.029	0.033	36.71	99.002	93.32	159
84.15 – 87.20	8	0.20	1.82	57.42	2.02	0.86	0.020	0.030	37.15	99.520	94.44	154
87.20 – 90.25	9	0.23	2.97	56.45	2.08	0.88	0.026	0.036	36.52	99.192	92.84	159
90.25 – 93.30	10	0.20	2.20	56.90	2.11	0.88	0.023	0.039	36.82	99.172	93.59	159
93.30 – 96.35	11	0.31	7.04	54.19	1.98	0.80	0.020	0.034	35.11	99.484	89.24	162
96.35 – 99.40	12	0.26	4.20	55.67	2.26	0.88	0.018	0.025	36.07	99.383	91.70	166
99.40 – 102.45	13	0.29	7.20	53.79	2.12	0.83	0.020	0.022	34.86	99.132	88.61	156
102.45 – 105.50	14	0.24	5.40	55.59	1.60	0.65	0.017	0.018	36.02	99.535	91.57	169
105.50 – 108.55	15	0.29	7.12	54.22	1.89	0.77	0.020	0.031	35.12	99.461	89.28	169

Appx. 2 (b) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
108.55 – 112.00	16	0.17	5.47	54.18	3.12	1.31	0.019	0.042	35.05	99.361	89.11	156
113.00 – 114.40	17	0.20	0.77	59.15	1.31	0.55	0.028	0.106	38.23	100.344	97.17	171
114.40 – 116.59	18	5.43	0.09	56.63	0.56	0.26	1.12	2.47	33.12	99.68	84.18	1,435
116.59 – 118.61	19	0.18	0.16	59.26	0.85	0.35	0.024	0.12	38.31	99.254	97.38	85
118.61 – 120.75	20	0.42	0.14	59.43	0.62	0.30	0.068	0.20	38.25	99.428	97.22	118
120.75 – 123.00	21	1.28	0.25	58.30	1.15	0.47	0.33	0.90	36.67	99.35	93.20	132
123.00 – 124.99	22	0.28	0.11	59.43	0.65	0.28	0.048	0.18	38.32	99.298	97.41	110
124.99 – 127.57	23	0.18	0.25	59.61	0.69	0.29	0.027	0.068	38.56	99.675	98.01	110
127.57 – 130.20	24	0.24	0.29	59.78	0.46	0.21	0.032	0.073	38.66	99.745	98.26	105
130.20 – 132.21	58	34.68	3.53	37.69	0.11	0.11	8.01	12.45	1.55	98.13	4.88	1,470
146.88 – 148.60	25	0.44	2.03	58.64	0.44	0.25	0.057	0.12	37.79	99.767	96.06	213
148.60 – 150.65	26	12.67	0.52	51.98	0.20	0.13	2.82	6.30	24.64	99.26	62.64	1,250
150.65 – 153.33	27	4.11	0.20	57.50	0.24	0.13	0.91	2.18	34.24	99.51	87.05	580
153.33 – 157.35	28	0.07	1.13	58.73	1.12	0.47	0.010	0.036	38.03	99.596	96.68	227
157.35 – 160.40	29	0.08	0.98	58.48	1.32	0.54	0.009	0.017	37.90	99.326	96.35	203

Appx. 2 (b) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
160.40 – 163.45	30	0.09	0.88	58.67	1.18	0.49	0.008	0.014	38.02	99.352	96.64	163
163.45 – 166.85	31	0.11	2.51	57.55	2.02	0.83	0.008	0.014	37.35	100.392	94.94	186
166.85 – 169.55	32	0.23	5.75	55.25	2.46	0.94	0.018	0.017	35.74	100.405	90.86	112
169.55 – 172.60	33	0.15	3.66	56.92	2.02	0.83	0.011	0.015	36.89	100.496	93.77	104
172.60 – 175.65	34	0.10	1.47	58.73	1.12	0.46	0.012	0.018	38.07	99.980	96.76	86
175.65 – 178.70	35	0.10	1.71	58.47	1.07	0.47	0.009	0.018	37.85	99.697	96.21	75
178.70 – 181.75	36	0.09	1.66	58.54	0.94	0.39	0.009	0.017	37.92	99.566	96.40	72
181.75 – 184.80	37	0.07	1.22	58.91	1.07	0.43	0.008	0.015	38.18	99.903	97.06	69
184.80 – 187.85	38	0.07	1.35	58.82	1.15	0.46	0.008	0.017	38.13	100.005	96.92	66
187.85 – 190.90	39	0.09	1.87	58.56	1.04	0.43	0.007	0.015	37.95	99.962	96.46	65
190.90 – 193.95	40	0.07	1.24	58.82	0.98	0.40	0.007	0.012	38.10	99.629	96.85	62
193.50 – 197.00	41	0.08	1.62	58.73	1.07	0.42	0.007	0.015	38.07	100.012	96.77	62
197.00 – 200.05	42	0.08	0.99	59.34	1.02	0.44	0.006	0.009	38.43	100.315	97.70	58
200.05 – 203.10	43	0.09	0.93	59.30	1.06	0.44	0.007	0.010	38.43	100.267	97.69	59
203.10 – 206.15	44	0.07	1.82	58.64	1.16	0.45	0.007	0.015	38.01	100.172	96.62	59

Appx. 2 (b) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
206.15 – 209.20	45	0.05	0.42	59.78	0.50	0.21	0.005	0.012	38.74	99.717	98.48	58
209.20 – 212.25	46	0.05	0.27	59.87	0.40	0.17	0.50	0.010	38.79	100.060	98.61	61
212.25 – 215.70	47	0.05	0.58	59.78	0.60	0.24	0.004	0.012	38.75	100.016	98.50	53
215.70 – 218.75	48	0.04	0.58	59.52	0.62	0.29	0.004	0.008	38.56	99.622	98.02	53
218.75 – 221.70	49	0.08	0.97	59.39	0.96	0.40	0.004	0.007	38.49	100.301	97.83	50
221.70 – 224.70	50	0.04	0.65	59.61	0.47	0.026	0.003	0.006	38.60	99.639	98.11	50
224.70 – 227.80	51	0.04	0.78	59.43	0.79	0.36	0.003	0.006	38.51	99.919	97.90	49
227.80 – 230.70	52	0.03	0.83	59.17	0.80	0.34	0.003	0.005	38.36	99.538	97.52	47
230.70 – 233.60	53	0.01	1.03	59.34	0.86	0.38	0.002	0.006	38.47	100.098	97.78	44
233.60 – 236.60	54	0.02	0.65	59.43	0.57	0.29	0.002	0.004	38.49	99.456	97.85	44
236.60 – 239.43	55	0.03	0.54	59.61	0.71	0.31	0.002	0.005	38.65	99.857	98.25	42
239.43 – 242.70	56	0.02	0.80	59.52	0.78	0.33	0.001	0.005	38.60	100.056	98.13	40
242.70 – 246.40	57	0.03	1.18	59.43	0.90	0.39	0.001	0.005	38.52	100.456	97.93	40

Appx. 2 (c) Chemical Analysis of Drill Hole, RS. 2. 20 (Main Components of Rock Salt)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
75.10 – 80.00	1	0.30	0.43	59.78	0.44	0.19	0.004	0.008	38.74	99.892	98.47	48
80.00 – 82.87	2	0.24	0.50	59.34	0.58	0.22	0.002	0.007	38.49	99.379	97.84	47
82.87 – 86.00	3	0.13	0.37	59.78	0.61	0.24	0.002	0.006	38.75	99.888	98.51	48
86.00 – 89.00	4	0.19	1.22	57.96	1.70	0.67	0.004	0.007	37.61	99.361	95.61	47
89.00 – 91.69	5	0.08	0.75	58.94	0.99	0.38	0.002	0.007	38.24	99.389	97.22	47
91.69 – 94.76	6	0.05	0.37	59.35	0.68	0.28	0.002	0.006	38.47	99.208	97.80	49
94.76 – 98.05	7	0.05	0.47	60.05	0.50	0.23	0.003	0.006	38.90	100.209	98.88	49
98.05 – 101.00	8	0.29	0.51	59.87	0.57	0.25	0.004	0.006	38.80	100.300	98.64	48
101.00 – 104.12	9	0.52	0.86	58.02	1.28	0.51	0.004	0.007	37.74	98.941	95.94	48
104.12 – 106.90	10	0.18	0.86	59.41	0.81	0.32	0.002	0.005	38.53	100.117	97.94	49
106.90 – 109.15	11	0.08	0.60	59.87	0.56	0.25	0.004	0.006	38.79	100.160	98.60	49
109.15 – 111.55	12	0.08	0.45	59.41	0.97	0.39	0.003	0.006	38.53	99.839	97.94	49
111.55 – 114.60	13	0.10	0.46	60.29	0.30	0.12	0.002	0.005	39.06	100.337	99.28	49
114.60 – 117.85	14	0.01	0.51	59.78	0.32	0.14	0.001	0.005	38.75	99.516	98.51	48
117.85 – 120.70	15	0.12	0.50	59.96	0.45	0.22	0.002	0.006	38.83	100.088	98.71	49

Appx. 2 (c) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
120.70 – 123.75	16	0.21	0.23	59.73	0.30	0.12	0.002	0.006	38.72	99.318	98.42	49
123.75 – 126.80	17	0.19	0.67	59.26	0.82	0.35	0.003	0.006	38.40	99.699	97.60	49
126.80 – 129.85	18	0.11	0.18	59.30	0.93	0.37	0.002	0.011	38.46	99.363	97.76	47
129.85 – 132.90	19	0.07	0.50	59.78	0.49	0.23	0.002	0.006	38.75	99.828	98.50	47
132.90 – 135.95	20	0.06	0.76	59.61	0.77	0.31	0.002	0.007	38.61	100.129	98.15	47
135.95 – 139.00	21	0.04	0.29	59.69	0.65	0.27	0.002	0.009	38.69	99.641	98.36	46
139.00 – 142.05	22	0.11	0.10	59.87	0.48	0.20	0.003	0.005	38.80	99.568	98.64	49
142.05 – 145.10	23	0.14	0.16	59.78	0.54	0.23	0.003	0.006	38.74	99.599	98.48	49
145.10 – 148.15	24	0.36	0.50	59.87	0.47	0.21	0.005	0.007	38.79	100.212	98.60	49
148.15 – 151.20	25	0.36	1.81	58.45	1.38	0.56	0.004	0.009	37.89	101.363	96.32	50
151.20 – 154.25	26	0.24	2.60	57.68	1.46	0.61	0.004	0.008	37.38	99.982	95.03	49
154.25 – 157.30	27	0.26	0.91	58.82	1.03	0.44	0.003	0.006	38.12	99.589	96.89	49
157.30 – 160.36	28	0.36	0.46	59.52	0.50	0.25	0.002	0.006	38.54	99.638	97.97	49
160.37 – 163.40	29	0.41	0.30	59.52	0.37	0.23	0.002	0.006	38.49	99.328	97.84	48
163.40 – 166.45	30	0.44	1.28	58.47	1.00	0.45	0.003	0.008	37.86	99.511	96.23	49

Appx. 2 (c) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
166.45 – 169.50	31	0.42	0.18	59.22	0.85	0.34	0.004	0.007	38.40	99.421	97.62	48
169.50 – 172.55	32	0.49	1.55	58.47	0.84	0.34	0.003	0.006	37.90	99.599	96.35	49
172.55 – 175.60	33	0.24	0.17	59.95	0.51	0.20	0.002	0.005	38.86	99.937	98.79	49
175.60 – 178.65	34	0.08	0.83	59.34	0.77	0.32	0.002	0.005	38.47	99.817	97.78	47
178.65 – 181.70	35	0.05	0.12	59.94	0.54	0.23	0.002	0.006	38.85	99.738	98.75	45
181.70 – 184.75	36	0.13	1.73	58.73	1.12	0.47	0.003	0.007	38.06	100.250	96.76	46
184.75 – 187.80	37	0.11	1.12	58.73	1.12	0.46	0.003	0.007	38.06	99.610	96.76	45
187.80 – 190.85	38	0.11	0.94	58.73	1.10	0.47	0.003	0.006	38.05	99.409	96.72	45
190.85 – 193.90	39	0.22	1.12	58.50	1.19	0.51	0.003	0.006	37.91	99.459	96.35	45
193.90 – 197.00	40	0.20	0.56	59.15	0.84	0.36	0.002	0.006	38.33	99.448	97.44	45
197.00 – 200.05	41	0.15	1.88	58.03	1.41	0.58	0.004	0.007	37.62	99.681	95.62	45
200.05 – 203.10	42	0.09	0.58	59.51	0.55	0.24	0.002	0.005	38.56	99.537	98.03	45
203.10 – 206.15	43	0.10	0.63	59.25	0.84	0.34	0.002	0.006	38.41	99.578	97.63	45
206.15 – 209.20	44	0.14	0.26	59.69	0.62	0.26	0.002	0.006	38.69	99.668	98.36	44
209.20 – 212.25	45	0.09	0.78	59.70	0.73	0.30	0.003	0.005	38.70	100.308	98.38	44

Appx. 2 (c) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
212.25 – 216.61	46	0.23	1.06	59.42	0.80	0.31	0.003	0.005	38.52	100.348	97.91	44

Appx. 2 (d) Chemical Analysis of Drill Hole, RS. 2. 21 (Main Components of Rock Salt)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
69.00 – 72.00	1	0.13	0.52	59.67	0.81	0.35	0.004	0.011	38.66	100.155	98.26	62
72.00 – 75.00	2	0.10	0.20	59.84	0.56	0.25	0.005	0.010	38.76	99.725	98.54	62
75.00 – 78.00	3	0.13	0.32	59.58	0.68	0.31	0.006	0.011	38.58	99.617	98.06	61
78.00 – 81.00	4	0.13	0.28	59.34	0.97	0.41	0.006	0.010	38.45	99.596	97.73	60
81.00 – 84.00	5	0.11	0.28	59.05	1.55	0.64	0.008	0.010	38.25	99.898	97.24	59
84.00 – 87.00	6	0.12	0.09	60.04	0.46	0.19	0.004	0.008	38.91	99.822	98.90	59
87.00 – 90.00	7	0.09	0.05	60.05	0.38	0.16	0.004	0.008	38.90	99.642	98.88	58
90.00 – 93.00	8	0.11	0.12	59.88	0.62	0.28	0.005	0.008	38.79	99.813	98.59	58
93.00 – 96.00	9	0.12	0.18	59.95	0.39	0.18	0.004	0.012	38.83	99.666	98.70	56
96.00 – 99.00	10	0.07	0.12	60.30	0.35	0.14	0.004	0.007	39.09	100.081	99.36	57
99.00 – 102.00	11	0.06	0.13	60.21	0.34	0.14	0.004	0.008	39.03	99.922	99.22	56
102.00 – 105.00	12	0.05	0.08	59.60	0.92	0.37	0.004	0.008	38.64	99.672	98.21	57
105.00 – 108.00	13	0.08	0.23	59.86	0.56	0.24	0.004	0.007	38.78	99.761	98.59	56
108.00 – 111.00	14	0.06	0.27	59.44	1.20	0.49	0.005	0.008	38.54	100.013	97.95	56
111.00 – 114.00	15	0.11	0.43	59.14	1.47	0.61	0.006	0.009	38.33	100.105	97.44	56

Appx. 2 (d) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
114.00 – 117.00	16	0.11	0.43	59.42	1.12	0.47	0.005	0.008	38.51	100.073	97.89	54
117.00 – 120.00	17	0.09	0.09	59.70	0.76	0.32	0.004	0.008	38.68	99.652	98.34	54
120.00 – 123.00	18	0.08	0.26	59.61	0.82	0.35	0.006	0.009	38.62	99.755	98.18	56
123.00 – 126.00	19	0.09	0.26	59.74	0.73	0.31	0.005	0.008	38.71	99.853	98.40	55
126.00 – 129.00	20	0.13	0.25	59.56	0.85	0.36	0.005	0.009	38.60	99.764	98.12	55
129.00 – 132.00	21	0.09	0.42	59.23	1.19	0.50	0.004	0.009	38.31	99.753	97.57	56
132.00 – 135.00	22	0.10	0.34	59.60	0.95	0.39	0.004	0.007	38.64	100.031	98.21	55
135.00 – 138.00	23	0.09	0.15	59.95	0.73	0.30	0.003	0.006	38.87	100.099	98.79	55
138.00 – 141.00	24	0.11	0.36	59.48	0.96	0.39	0.004	0.007	38.55	99.861	97.99	54
141.00 – 144.00	25	0.07	0.27	59.64	0.95	0.38	0.004	0.007	38.68	100.001	98.29	53
144.00 – 147.00	26	0.10	0.36	59.23	1.17	0.49	0.004	0.008	38.39	99.752	97.59	53
147.00 – 150.00	27	0.09	0.15	59.84	0.81	0.33	0.004	0.008	38.79	100.022	98.61	52
150.00 – 153.00	28	0.09	0.28	59.40	1.29	0.52	0.004	0.008	38.52	100.112	97.88	52
153.00 – 156.00	29	0.07	0.23	59.67	0.87	0.36	0.003	0.006	38.68	99.889	98.33	53
156.00 – 159.00	30	0.07	0.25	59.58	0.94	0.38	0.003	0.007	38.63	99.86	98.18	52

Appx. 2 (d) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
159.00 – 162.00	31	0.08	0.22	59.34	1.13	0.46	0.003	0.007	38.48	99.72	97.78	52
162.00 – 165.00	32	0.08	0.22	59.49	0.98	0.40	0.003	0.007	38.57	99.75	98.03	53
165.00 – 168.00	33	0.11	0.58	58.80	1.68	0.66	0.003	0.007	38.16	100.0	96.89	52
168.00 – 171.00	34	0.09	0.23	59.43	0.99	0.40	0.003	0.007	38.54	99.69	97.93	52
171.00 – 174.00	35	0.06	0.17	59.60	0.85	0.35	0.002	0.007	38.64	99.679	98.21	51
174.00 – 177.00	36	0.09	0.28	59.51	1.01	0.41	0.003	0.007	38.59	99.9	98.06	52
177.00 – 180.00	37	0.07	0.23	59.67	1.04	0.42	0.004	0.007	38.69	100.131	98.33	52
180.00 – 183.00	38	0.06	0.08	60.20	0.38	0.16	0.002	0.006	39.02	99.908	99.19	51
183.00 – 186.00	39	0.08	0.75	58.90	1.62	0.66	0.003	0.006	38.20	100.219	97.06	51
186.00 – 189.00	40	0.09	0.36	59.58	1.01	0.41	0.003	0.006	38.64	100.099	98.18	50
189.00 – 192.00	41	0.09	0.30	58.98	1.43	0.58	0.003	0.007	38.24	99.63	97.19	51
192.00 – 195.00	42	0.08	0.18	59.69	0.87	0.35	0.002	0.005	38.71	99.887	98.36	51
195.00 – 198.00	43	0.06	0.32	59.34	1.28	0.51	0.002	0.007	38.48	99.999	97.78	50
198.00 – 201.00	44	0.08	0.48	58.88	1.44	0.57	0.002	0.006	38.21	99.668	97.03	51
201.00 – 204.00	45	0.11	0.37	59.09	1.49	0.61	0.003	0.007	38.31	99.99	97.35	52

Appx. 2 (d) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
204.00 – 207.00	46	0.07	0.52	59.34	0.91	0.38	0.001	0.006	38.47	99.797	97.78	48
207.00 – 210.00	47	0.03	0.41	59.69	0.53	0.23	0.001	0.005	38.29	99.186	97.33	49
210.00 – 213.00	48	0.07	0.68	59.16	0.97	0.40	0.002	0.007	38.35	99.639	97.49	50
213.00 – 216.00	49	0.04	0.45	59.68	0.68	0.28	0.001	0.006	38.69	99.827	98.35	49
216.00 – 219.00	50	0.05	0.51	59.13	1.11	0.46	0.001	0.005	38.34	99.606	97.44	51
219.00 – 222.00	51	0.06	0.49	59.35	0.87	0.34	0.002	0.004	38.50	99.616	97.80	49
222.00 – 225.00	52	0.09	0.57	59.32	1.32	0.54	0.002	0.007	38.46	100.309	97.75	48
225.00 – 228.00	53	0.12	0.66	59.05	1.29	0.54	0.002	0.006	38.27	99.938	97.28	48
228.00 – 231.00	54	0.08	0.28	59.36	1.28	0.53	0.002	0.005	38.48	100.017	97.81	47
231.00 – 234.00	55	0.09	0.16	59.75	1.00	0.45	0.002	0.006	38.75	100.208	98.46	50
234.00 – 237.00	56	0.11	0.16	60.02	0.71	0.30	0.001	0.004	38.90	100.205	98.89	46
237.00 – 240.00	57	0.18	1.68	57.47	2.08	0.85	0.004	0.009	37.25	99.523	94.70	54
240.00 – 243.00	58	0.10	0.83	58.96	1.37	0.56	0.002	0.006	38.23	100.058	97.16	48
243.00 – 246.00	59	0.08	0.59	59.14	1.36	0.56	0.002	0.005	38.34	100.077	97.45	48
246.00 – 249.00	60	0.10	0.62	59.05	1.35	0.56	0.002	0.006	38.28	99.968	97.30	48

Appx. 2 (d) (continued)

Interval (m)	Sample No.	H_2O %	I.M. %	Cl %	SO_4 %	Ca %	Mg %	K %	Na %	Total %	NaCl %	Br ppm
249.00 – 252.00	61	0.05	0.31	59.75	0.99	0.41	0.001	0.004	38.73	100.245	98.46	48
252.00 – 255.00	62	0.08	0.50	59.36	1.04	0.43	0.002	0.005	38.48	99.897	97.81	49
255.00 – 258.65	63	0.06	0.47	59.58	0.86	0.36	0.003	0.006	38.62	99.959	98.17	48

Appx. 3 (a) Concentration of Heavy Metal in Rock Salt Samples
(Drill-hole 2-18)

Interval (m)	Sample No.	Cd ppm	Cr ppm	Hg ppm	Fe ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	V ppm	Mn ppm
108.78 – 109.71	18 – 0	0.00	0.35	0.00	224	10.6	1.3	0.7	1.20	1.10	16.31
135.00 – 138.00	10	0.00	0.32	0.00	13.0	2.7	1.6	1.1	0.01	0.07	0.09
165.00 – 167.67	20	0.00	0.70	0.00	15.4	4.6	2.0	1.8	0.18	0.03	0.31
195.10 – 197.96	30	0.00	0.64	0.00	18.3	7.1	1.4	0.7	0.22	0.08	0.31
230.91 – 234.05	40	0.00	0.30	0.00	16.0	2.5	1.3	0.5	0.03	0.07	0.53

Appx. 3 (b) Concentration of Heavy Metal in Rock Salt Samples (Drill-hole 2-19)

Interval (m)	Sample No.	Cd ppm	Cr ppm	Hg ppm	Fe ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	V ppm	Mn ppm
64.00 – 67.85	19 – 1	0.00	0.23	0.00	17.7	1.0	1.7	0.6	0.06	0.07	0.62
93.30 – 96.35	11	0.00	0.19	0.00	13.3	4.8	0.7	0.3	0.09	0.04	0.35
120.75 – 123.00	21	0.00	0.43	0.00	18.1	11.7	1.8	0.6	0.10	0.04	0.26
163.45 – 166.85	31	0.00	0.75	0.00	12.3	4.1	1.2	0.6	0.20	0.06	0.22
193.95 – 197.00	41	0.00	0.63	0.00	10.1	2.2	1.7	0.3	0.14	0.02	0.48
224.70 – 227.80	51	0.00	0.68	0.00	10.7	1.9	2.1	0.7	0.25	0.10	0.62
130.20 – 132.21	58	0.00	0.01	0.00	938	4.0	2.0	0.6	0.06	1.74	4.24

Appx. 3 (c) Concentration of Heavy Metal in Rock Salt Samples (Drill-hole 2-20)

Interval (m)	Sample No.	Cd ppm	Cr ppm	Hg ppm	Fe ppm	Cu ppm	Zn ppm	Pb ppm	As ppm	V ppm	Mn ppm
75.10 – 80.00	20 – 1	0.00	0.75	0.00	35.3	1.8	0.8	0.3	0.12	0.11	0.57
106.90 – 109.15	11	0.00	0.29	0.00	7.7	1.4	1.5	0.5	0.14	0.06	0.75
135.95 – 139.00	21	0.00	0.37	0.00	6.9	1.6	0.8	2.8	0.07	0.03	0.31
166.45 – 169.50	31	0.00	0.38	0.00	18.3	1.2	1.6	0.5	0.07	0.11	0.80
197.00 – 200.05	41	0.00	0.44	0.00	8.5	2.5	1.9	1.1	0.09	0.12	0.93

Appx. 4 (a) Chemical Analysis of Rock Salt Samples (Sample Collected by DMR) (RS.1.3)

Interval (ft)	Cl %	SO_4 %	Ca %	Mg %	Kg %	NaCl %
490 – 495	58.77	1.13	0.46	0.006	0.006	96.84
495 – 500	59.99	0.44	0.17	0.003	0.005	98.85
500 – 505	60.10	0.25	0.10	0.002	0.004	99.03
505 – 510	60.08	0.29	0.11	0.002	0.006	99.00
510 – 515	60.28	0.20	0.07	0.002	0.004	99.33
515 – 520	59.99	0.24	0.10	0.002	0.004	98.84
520 – 525	60.10	0.32	0.12	0.002	0.005	99.03
525 – 530	59.82	0.53	0.19	0.003	0.005	98.57
530 – 535	59.35	0.74	0.29	0.002	0.004	97.79
535 – 540	59.40	0.72	0.32	0.003	0.006	97.87

Appx. 4 (b) Chemical Analysis of Rock Salt Samples (Sample Collected by DMR) (RS.1.6)

Interval (ft)	Cl %	SO_4 %	Ca %	Mg %	Kg %	NaCl %
490 – 495	58.99	0.92	0.37	0.008	0.008	97.21
495 – 500	59.04	0.96	0.38	0.008	0.008	97.29
500 – 505	58.99	0.97	0.38	0.007	0.007	97.21
505 – 510	59.28	0.71	0.30	0.008	0.010	97.63
510 – 515	58.64	1.08	0.42	0.008	0.010	96.63
515 – 520	59.15	0.56	0.21	0.007	0.009	97.47
520 – 525	59.19	0.61	0.23	0.008	0.009	97.54
525 – 530	59.24	0.53	0.20	0.009	0.009	97.62
530 – 535	59.15	0.70	0.27	0.008	0.008	97.47
535 – 540	59.33	0.59	0.23	0.008	0.008	97.77

Appx. 4 (c) Chemical Analysis of Rock Salt Samples (Sample Collected by DMR) (RS.2.2)

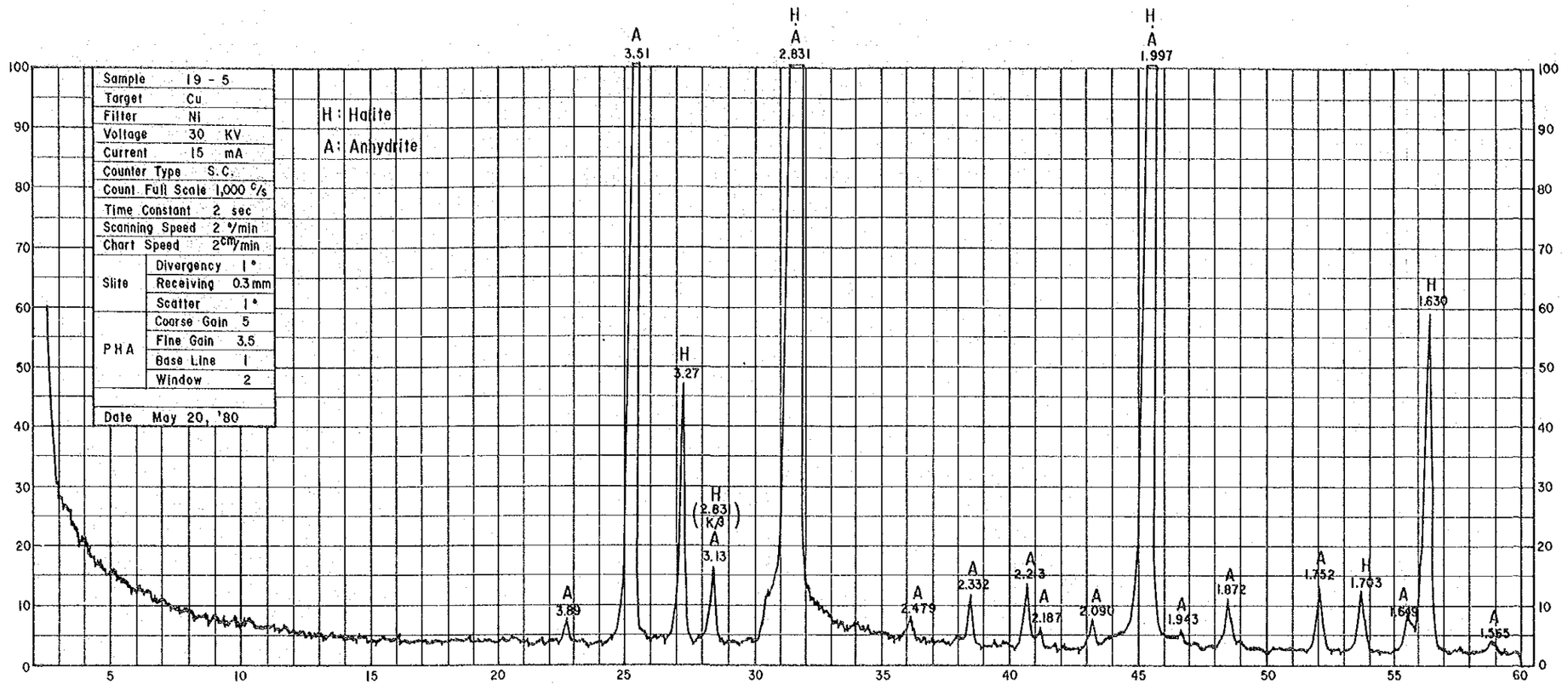
Interval (ft)	Cl %	SO_4 %	Ca %	Mg %	Kg %	NaCl %
490 – 495	58.79	0.72	0.28	0.010	0.011	98.87
495 – 500	58.33	1.22	0.47	0.012	0.013	96.11
500 – 505	58.65	0.88	0.34	0.011	0.011	96.64
505 – 510	58.96	0.81	0.35	0.009	0.010	97.09
510 – 515	58.37	0.85	0.35	0.011	0.012	96.14
515 – 520	59.06	1.06	0.43	0.010	0.012	97.29
520 – 525	58.71	1.25	0.50	0.010	0.011	96.73
525 – 530	58.91	1.04	0.43	0.010	0.011	97.02
530 – 535	59.46	0.84	0.33	0.006	0.009	97.98
535 – 540	59.11	0.97	0.38	0.007	0.009	97.40

Appx. 4 (d) Chemical Analysis of Rock Salt Samples (Sample Collected by DMR) (RS.2.5)

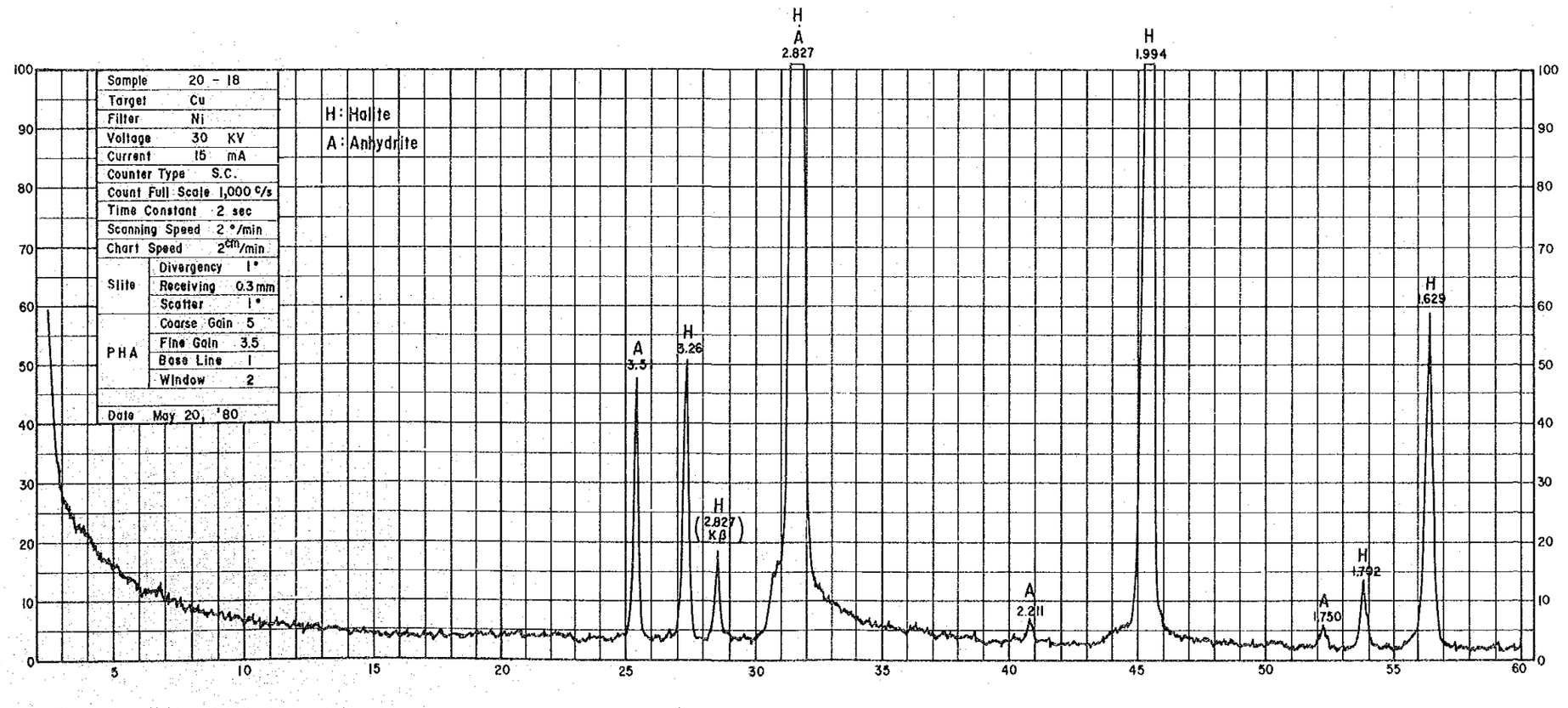
Interval (ft)	Cl %	SO_4 %	Ca %	Mg %	Kg %	NaCl %
491 – 496	59.40	0.53	0.23	0.008	0.010	97.82
496 – 501	59.44	0.40	0.15	0.003	0.007	97.95
501 – 506	59.20	0.65	0.26	0.006	0.009	97.55
506 – 511	59.15	0.68	0.28	0.006	0.009	97.45
511 – 516	59.97	0.25	0.10	0.003	0.006	98.82
516 – 521	59.48	0.48	0.18	0.004	0.007	98.01
521 – 526	59.79	0.34	0.13	0.005	0.007	98.52
526 – 531	59.61	0.34	0.14	0.004	0.006	98.21
531 – 536	59.27	0.64	0.31	0.004	0.007	97.52
536 – 541	59.06	0.74	0.32	0.004	0.008	97.27

Appx. 4 (e) Chemical Analysis of Rock Salt Samples (Sample Collected by DMR) (RS.2.9)

Interval (ft)	Cl %	SO_4 %	Ca %	Mg %	Kg %	NaCl %
491 – 496	59.06	0.84	0.32	0.004	0.008	97.32
496 – 501	59.82	0.39	0.15	0.003	0.006	98.57
501 – 506	58.70	0.87	0.36	0.004	0.007	96.72
506 – 511	59.75	0.49	0.19	0.003	0.006	98.46
511 – 516	59.68	0.53	0.21	0.003	0.006	98.34
516 – 521	58.93	0.79	0.56	0.009	0.007	97.09
521 – 526	59.59	0.60	0.45	0.007	0.006	97.58
526 – 531	59.88	0.46	0.32	0.008	0.006	98.26
531 – 536	59.70	0.49	0.35	0.006	0.006	97.93
536 – 541	59.84	0.29	0.22	0.006	0.005	98.28

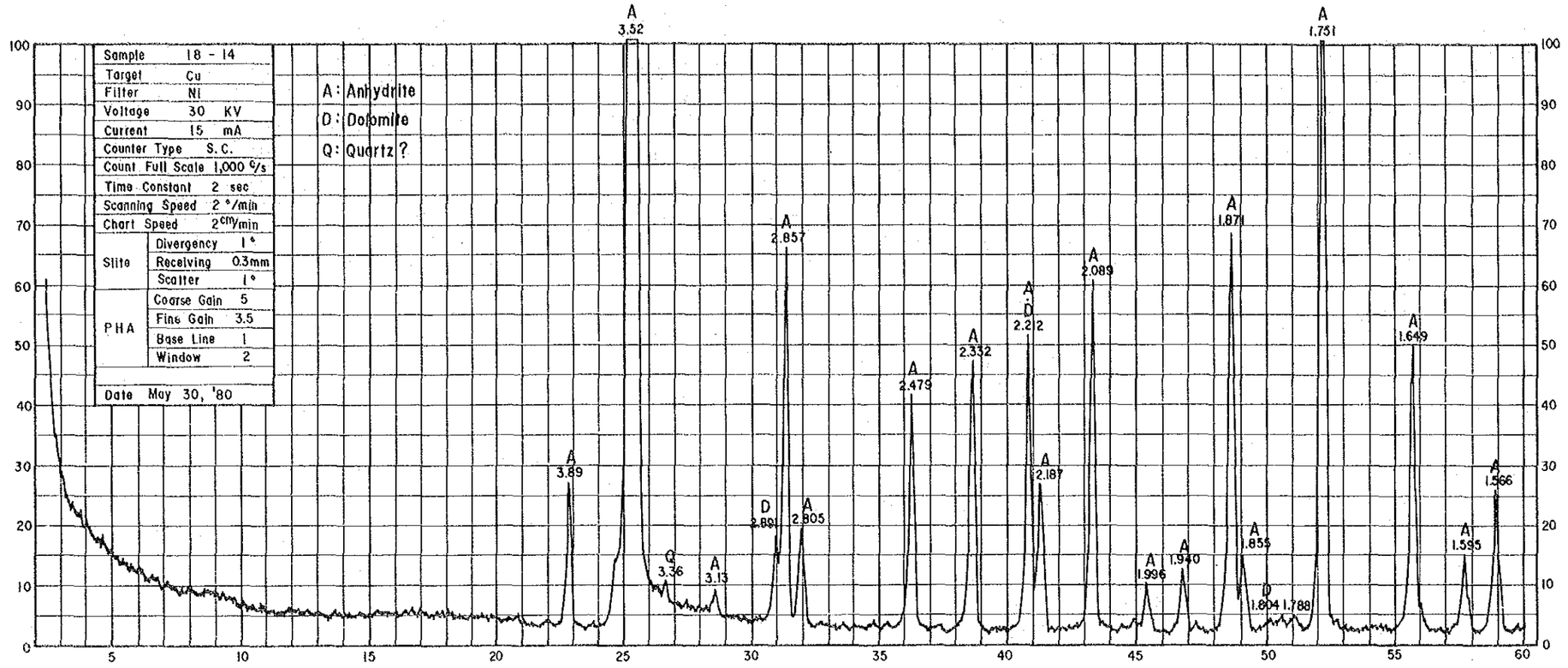


(a)
Sample 19-5

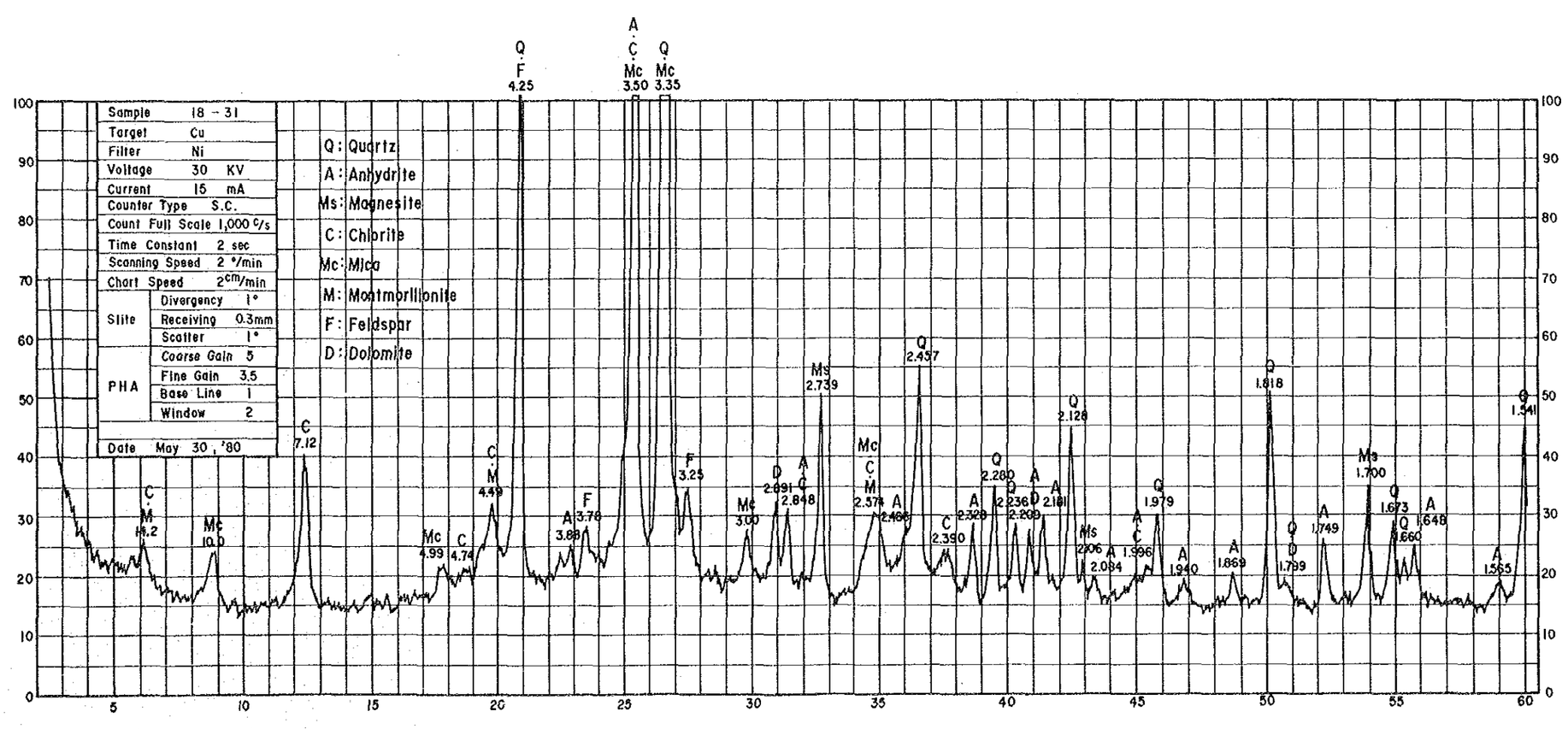


(b)
Sample 20-18

Appx. 5 X-ray diffraction chart of rock salt

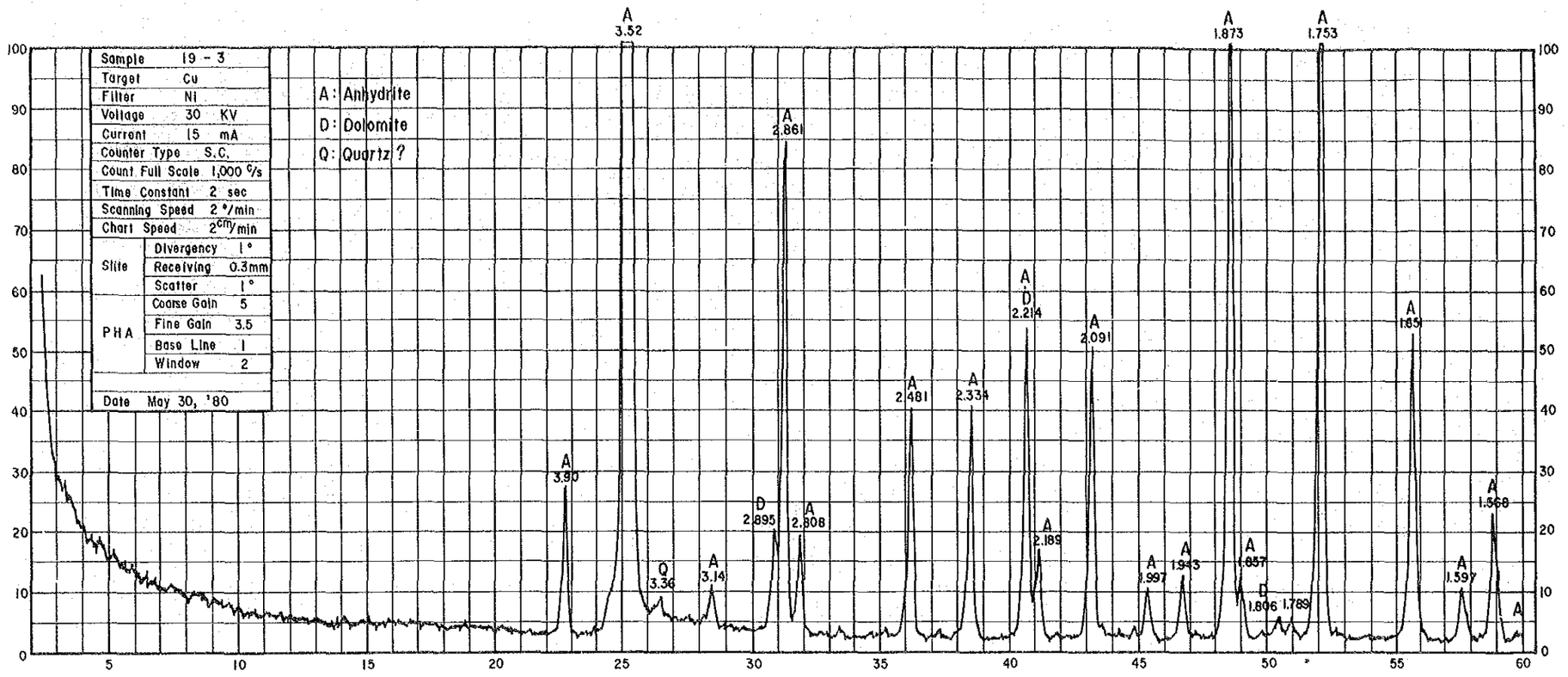


(a)
Sample 18-4

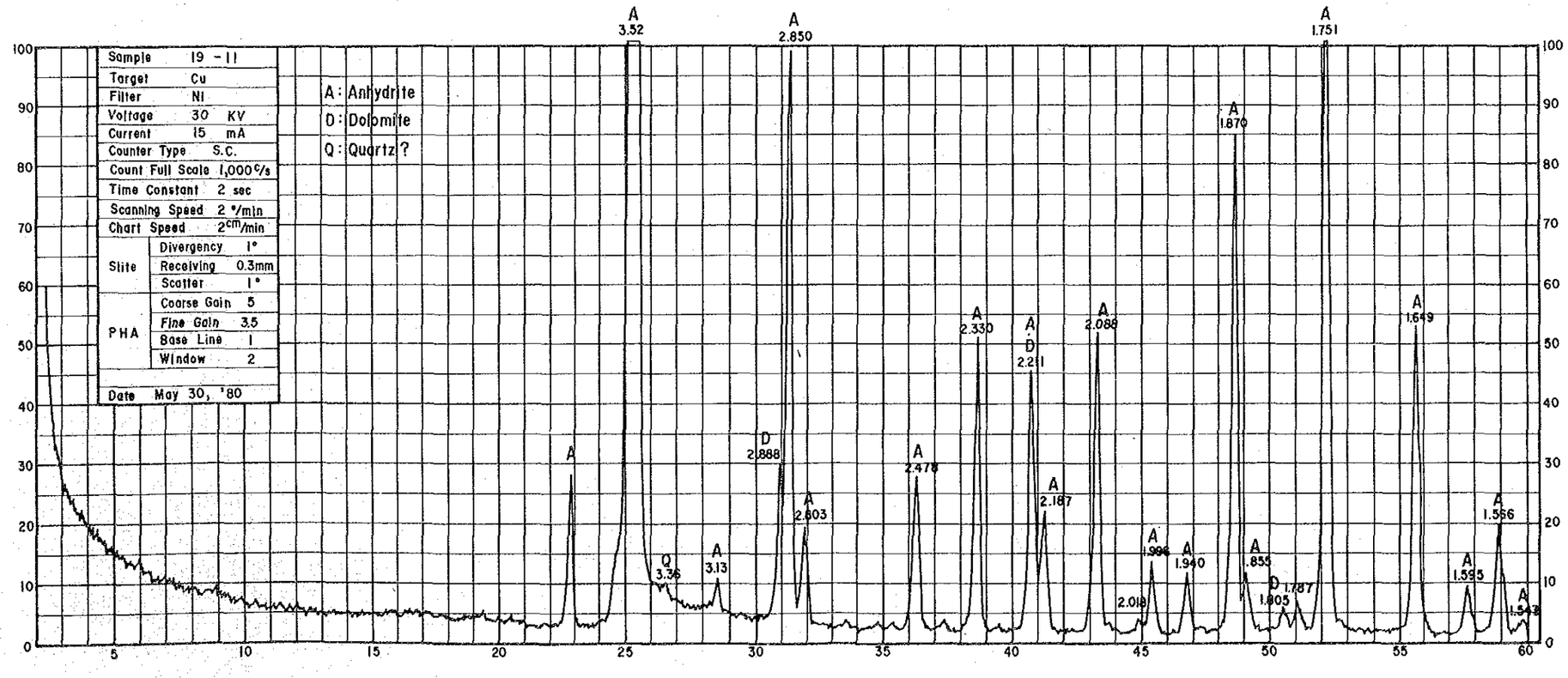


(b)
Sample 18-31

Appx. 6 X-ray diffraction chart of water insolubles

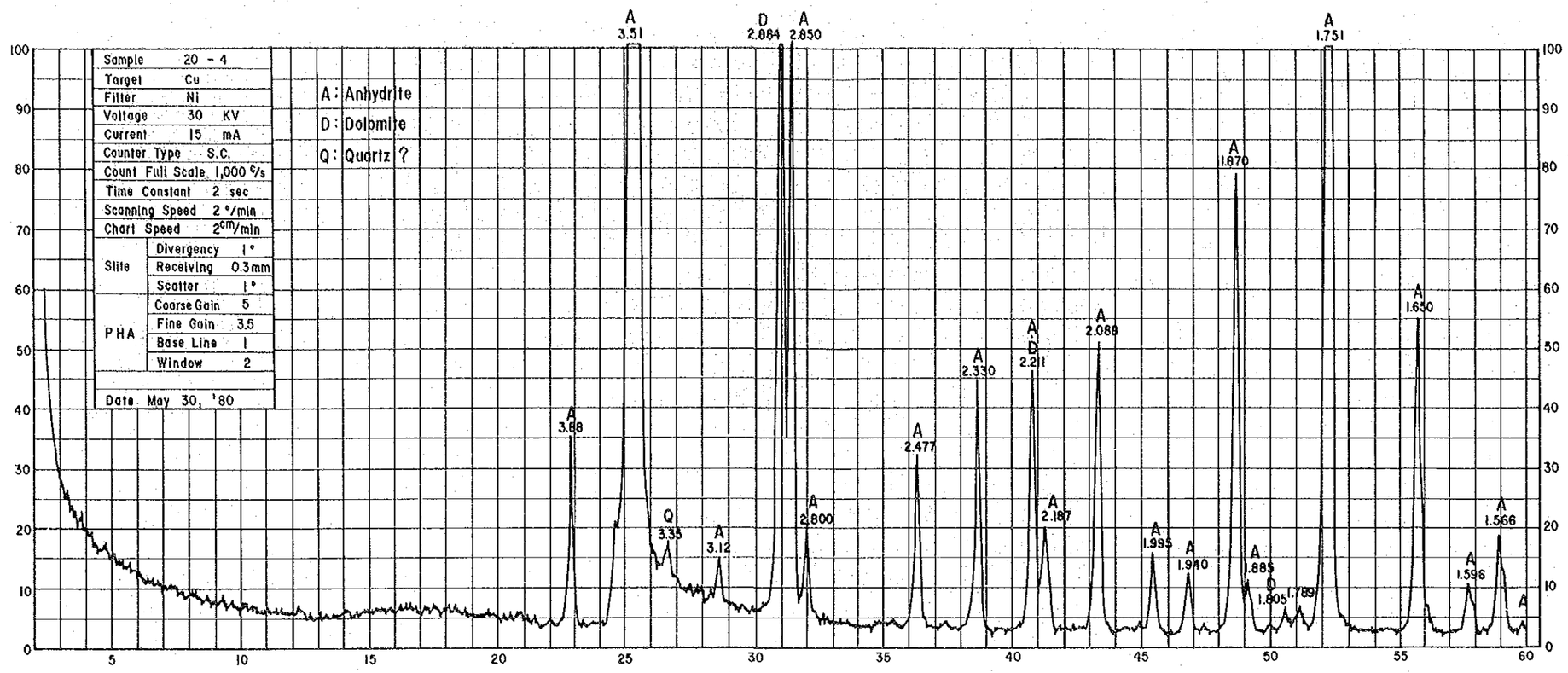


(c)
Sample 19-3



(d)
Sample 19-11

Appx.6 X-ray diffraction chart of water insolubles



(e)
Sample 20-4

Appx. 6 X-ray diffraction chart of water insolubles

Appx. 7

Summarized table of Rock Mechanics test Results

Test piece No.	Depth	Measurement			Uniaxial Comprssion test					Brazilian test			Creep test		Triaxial compression test			Remarks
		Density	P-wave velocity	Shore hardenss	Compression strength	Young's Modulus		Poisson's ratio		Sub No. of test piece	Density	Tensile strength	Elasticity	Viscosity	Axial strain	Confining pressure	strength	
		ρa	Vp	Hs	Sc	E (tan)	E (80%sec)	ν (tan)	ν (80%sec)		ρa	S_t	E_1 E_2 E_3	η_1 η_2 η_3	ϵ	σ_3	σ_1	
		g/cm³	x10³ m/sec		kg/cm²	x10³ kg/cm²	x10³ kg/cm²				g/cm³	kg/cm²	x10⁴ kg/cm²	kg-min/cm²	%	kg/cm²	kg/cm²	
18-3		2.2	4.5		297	45.8	11.4	0.28	0.54	18-3-1	2.2	17.8						Halite-B
4		2.2	4.4		315	34.4	12.9	0.33	0.57	4-1	2.2	20.0						"
										4-2	2.2	16.8						
6		2.2											2.51 4.5	$2.39x10^8$ $8.7\ x10^6$				
7		2.2	4.2	10.2±1.3	338	53.9	12.8	0.27	0.69	7-1	2.2	25.1						"
										7-2	2.2	18.3						"
8		2.2	4.4		343	41.2	10.6	0.32	0.57	8-1	2.2	17.8						"
										8-2	2.3	28.7						"
18		2.2	3.7		298	36.5	10.0	0.24	0.87	18-1	2.2	19.2						Halite-A in D-area
										18-2	2.2	18.5						
										18-3	2.0	15.6						"
19		2.2	3.8	9.7±1.2	320	51.0	9.68	0.40	0.40	19-1	2.2	20.5						"
										19-2	2.2	21.2						"
20		2.2	3.9		286	25.3	11.0	0.19	0.81	20-1	2.2	19.4						"
										20-2	2.2	21.0						"
21		2.2	3.7		303	20.7	8.66	0.24	0.68	21-1	2.2	20.1						"
										21-2	2.2	13.3						"
19-4		2.2	4.0		275	35.9	13.0	0.20	0.79	19-4-1	2.2	11.9						Halite-B
										4-2	2.2	19.6						"
5		2.2	3.7		284	28.6	8.94	0.44	0.72	5-1	2.2	25.1						"
										5-2	2.2	19.7						"
9		2.2	4.2	10.1±1.1	293	53.2	16.6	0.15	0.61	9-1	2.1	22.9						"
										9-2	2.3	18.1						"
10		2.2	4.1		261	59.7	16.3	0.23	0.67	10-1	2.2	25.1						"
											2.2	24.8						"
14		2.1											0.599 1.57 8.66	$4.7\ x10^8$ $1.00x10^7$ $5.04x10^6$				"
15		2.2	3.9		280	25.7	10.6	0.22	0.67	15-1	2.2	18.8						Halite-A in D-area
										15-2	2.2	17.8						

Appx. 7 (cont'd)

Summarized table of Rock Mechanics test Result

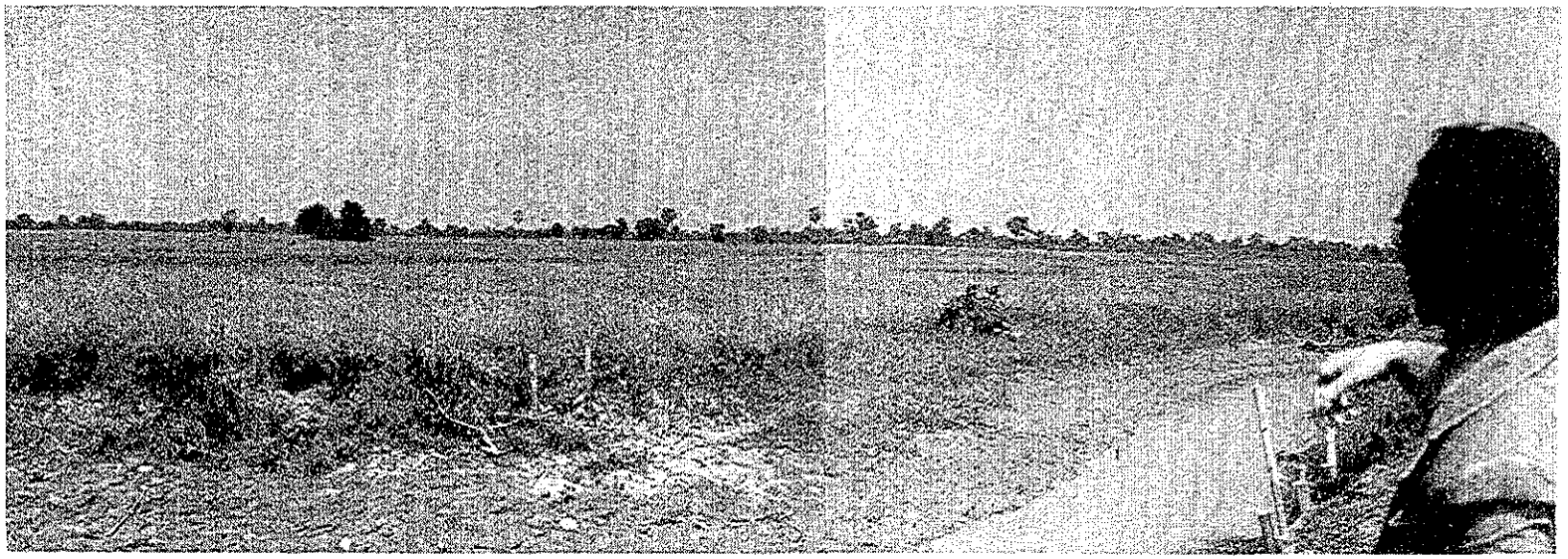
Test piece No.	Depth	Measurement			Uniaxial Comprssion test					Brazilian test			Creep test		Triaxial compression test			Remarks
		Density	P-wave velocity	Shore hardenss	Compression strength	Young's Modulus		Poisson's ratio		Sub No. of test piece	Density	Tensile strength	Elasticity	Viscosity	Axial strain	Confining pressure	strength	
		ρa	Vp	Hs	Sc	E (tan)	E (80%sec)	ν (tan)	ν (80%sec)		ρa	S_t	E_1 E_2 E_3	η_1 η_2 η_3	ϵ	σ_3	σ_1	
		g/cm³	x10³m/sec		kg/cm²	x10³kg/cm²	x10³kg/cm²				g/cm³	kg/cm²	x10⁴kg/cm²	kg-min/cm²	%	kg/cm²	kg/cm²	
16		2.2	3.4	9.6±2.0	303	27.6	9.68	0.26	0.72	16-1	2.0	12.4						"
17(1)		2.2	3.8		295	14.9	9.44											"
17(2)		2.2	3.7		300	21.3	10.7	0.32	0.73									"
18		2.2	3.8		290	25.1	10.6	0.27	0.57	18-1	2.2	15.1						"
										18-2	2.2	15.4						"
										18-3	2.1	18.3						"
20-5		2.2	3.9	9.4±1.4	198	20.3	10.7	0.31	1.0	220-5-1	2.3	11.1						Halite-A in S-area
										5-2	2.2	15.5						
6		2.2	3.6		191	20.0	13.4	0.30	0.95	6-1	2.1	10.9						"
										6-2	2.2	12.9						"
14		2.2	2.7		153	9.34	8.24	0.17	0.73	14-1	2.1	10.5						"
										14-2	2.2	10.8						"
15		2.2	2.2	10.3±2.0	186	8.02	5.23	0.50		15-1	2.2	12.3						"
										15-2	2.1	14.0						"
18		2.1	2.9		240	21.3	10.1	0.23	0.75	18-1	2.2	16.2						"
										18-2	2.2	21.6						"
19		2.2	3.6		245	30.6	13.9	0.16	0.77	19-1	2.2	17.6						"
										19-2	2.2	17.4						"
21-7		2.1	2.9		237	16.2	10.4	0.24	0.61	21-7-1	2.2	13.8			14.1	30	544	"
8		2.1	N.D.		191	8.4	3.8	0.06	0.52	8-1		12.1						"
										8-2		7.4						"
9		2.1	N.D.		135	6.4	3.3	0.23	0.73									"
10										10-1	2.2	13.8			7.86	20	451	"
										10-2	2.2	11.2			9.20	20	424	"
										10-3		14.2						"
										10-4		18.5						..
11-1		2.1	2.3		200	10.2	5.6	0.36	0.71	11-1		8.2	0.272	1.10×10^9				
													0.255	0.968×10^6				
12											2.2	10.5			9.09	20	448	"
13												8.3	0.407	1.65×10^9				"
													6.92	6.17×10^6				
14										14-2	2.2	12.7			25.2	70	822	"
15										15-1		10.0						"

Appx. 7 (cont'd)

Summarized table of Rock Mechanics test Result

Test piece No.	Depth	Measurement			Uniaxial Comprssion test					Brazilian test			Creep test		Triaxial compression test			Remarks
		Density	P-wave velocity	Shore hardenss	Compression strength	Young's Modulus		Poisson's ratio		Sub No. of test piece	Density	Tensile strength	Elasticity	Viscosity	Axial strain	Confining pressure	strength	
		ρa	Vp	Hs	Sc	E (tan)	E (80%sec)	ν (tan)	ν (80%sec)		ρa	S_t	E_1 E_2 E_3	η_1 η_2 η_3	ϵ	σ_3	σ_1	
		g/cm³	x10³m/sec		kg/cm²	x10³kg/cm²	x10³kg/cm²				g/cm³	kg/cm²	x10⁴kg/cm²	kg-min/cm²	%	kg/cm²	kg/cm²	
										15-2	2.2	9.7			11.03	20	463	"
16										16-1	2.2	13.1			25.4	70	817	"
										16-2		13.8						"
17										17-1	2.1	11.1			18.2	50	678	"
										17-2		11.7						"
										17-3		7.2						"
18										18		12.3						"
										18-2	2.1				18.6	50	646	"
19										19-1		8.6						"
										19-2		8.9						
										19-3		13.2						
20										20-1		13.8						"
										20-2	2.2	13.6			15.4	30	596	"
21										21-1		15.8						"
										21-2	2.2	6.5			13.2	30	514	"
										21-3		6.8						"
22										22		8.9						"
24		2.1	N.D.		247	13.2	6.6	0.32	0.51	24-1		14.8						"
25		2.1	2.3		265	13.9	7.8	0.09	0.45	25-1		11.2						"
										25-2		14.9						"
										25-3		12.8						"
32		2.1	2.6		254	14.2	8.0	0.17	0.43	32-1		13.6						"

APPX. 8 PHOTOGRAPHS AT SITE

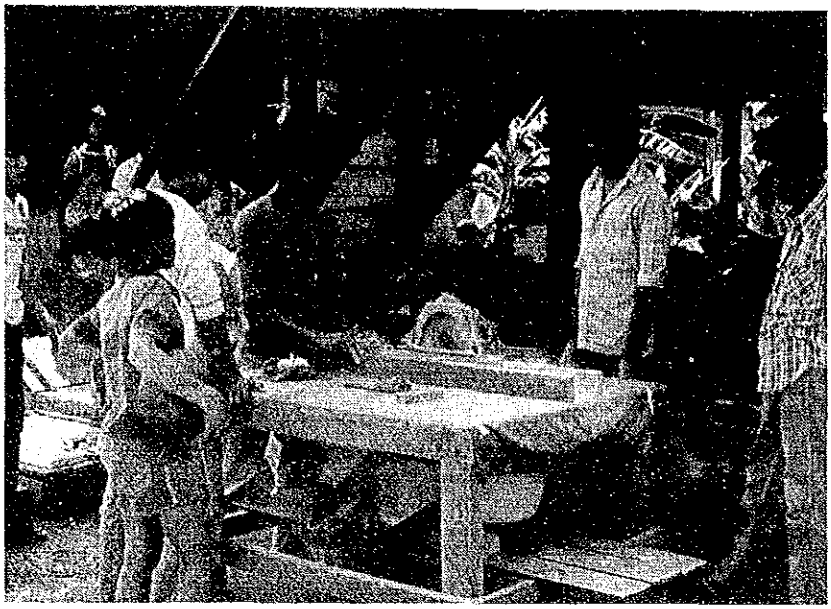


View of center area of Bamnet-Narong rock salt district, Rice Paddies in foreground

Investigation of drill core

Taking sample for rock mechanics tests

Photographs showing part of the progress of the site works



Cutting rock salt core for chemical analysis with diamond cutter

Milling, dividing and sieving

Photographs showing part of the progress of the site works