ภาคผนวก ญ

ข้อมูลธรณีวิทยาหลุมเจาะ

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT SHEET 1/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-08 COORDINATE. 807984.13 E 1697016.65 N ELEVATION. 215.14 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED NOVEMBER 2011 COMPLETED DECEMBER 2011 TOTAL DEPTH. 330.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			0		0.0-3.5 m. **Clay**,sand and some gravel;grayish brown,semi-consolidated.		
					3.5-50.0 m. **Siltstone**; reddish brown, massive and lamination, fiable, semi-consolidated to consolidated.		
			25				
			50		50.0-55.8 m. **Anhydrite**; dark gray.with.lamination.		
					58.8-93.3 m. **Claystone and Claystone anhydrite**; grayish brown,gray with some maroon claystone,stiff at 87.5-93.3 m.		
			75				
			100		93.3-196.8 m. **Halite**; orange, gray,massive some anhydrite band		
			125				
			150				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 2/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-08 COORDINATE. 807984.13 E 1697016.65 N ELEVATION. 215.14 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED NOVEMBER 2011 COMPLETED DECEMBER 2011 TOTAL DEPTH. 330.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			175		93.3-196.8 m. **Halite**; white gray,white,massive		
			200		196.8-228.5 m. **Claystone**; gray,brown,stiff.with anhydrite interbedded and some carnallite		
			225		228.5-230.0 m. **Anhydrite**; with caly in composition 230.0-232.6 m. **Caystone**; gray,stiff.		
					232.6-241.6 m. **Halite**; white with dark gray bands.		
241.6-250			250		241.6-250.0 m. **Sylvite, Carnallite andHalite** interbedded , white and orange.		
					250.0 -291.6 m. **Halite**; white ,massive and some smoky bands.		
291.6-303.3			275		291.6-303.3 m. **Carnallite**; orange ,with some halite band.		
			300				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT SHEET 3/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-08 COORDINATE. 807984.13 E 1697016.65 N ELEVATION. 215.14 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED NOVEMBER 2011 COMPLETED DECEMBER 2011 TOTAL DEPTH. 330.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			330		303.3-330.0 m. **Halite**; with some carnallite thin band.		
			350				
			375				
			400				
			430				
			460				

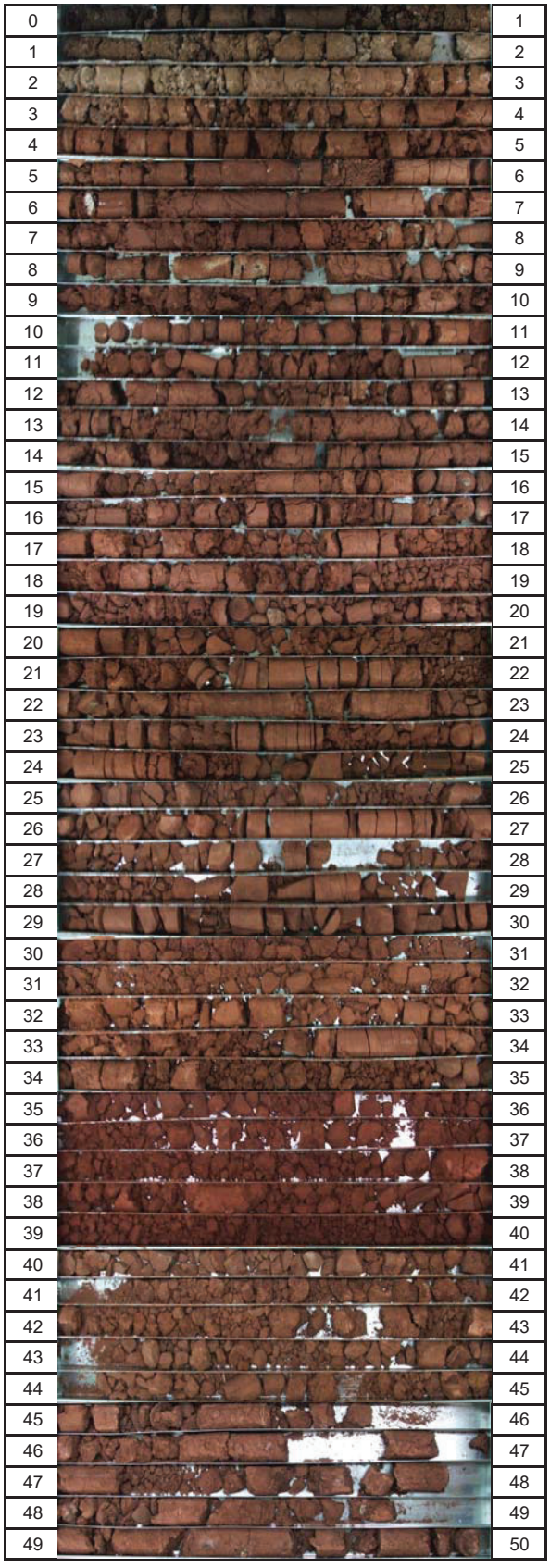
Core Photograph

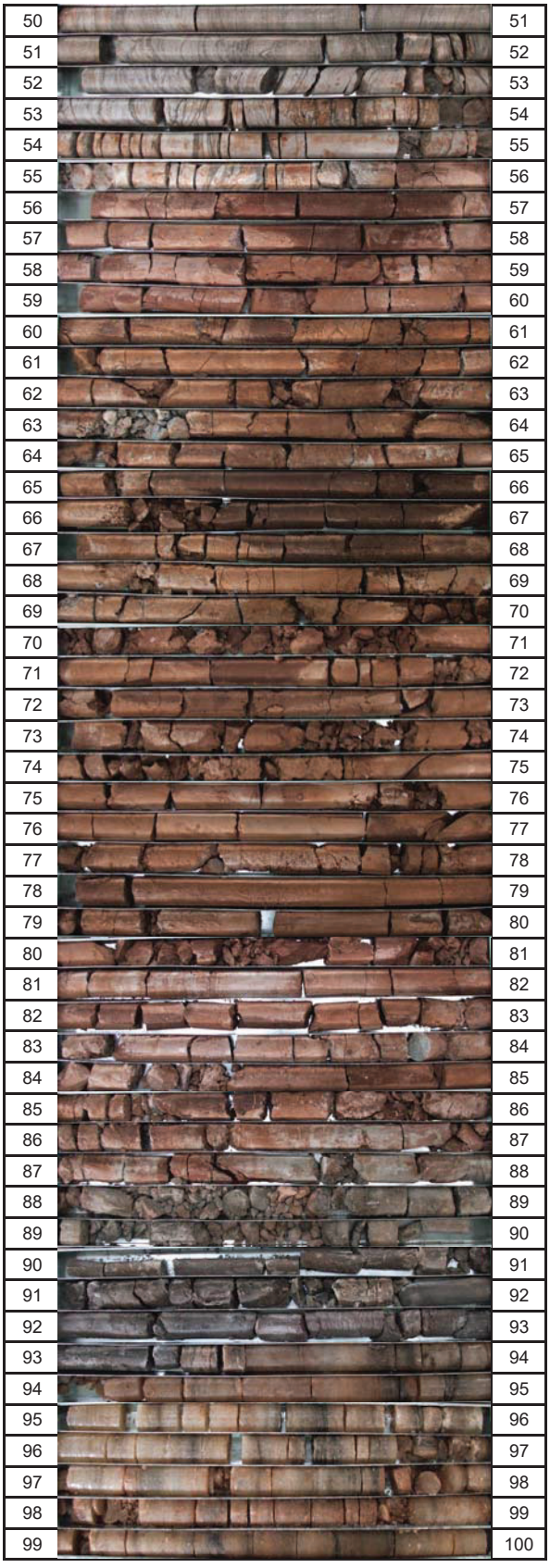
Project : POTASH EXPLORATION **Hole No. DH-08**

Location : NAKRONRATCHASIMA **Total depth 330.00 m.**

Hole No. DH-08

Depth 0.0 to 100.0 m.





Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-08**

Location : NAKRONRATCHASIMA **Total depth 330.00 m.**

Hole No. DH-08

Depth 100.0 to 200.0 m.





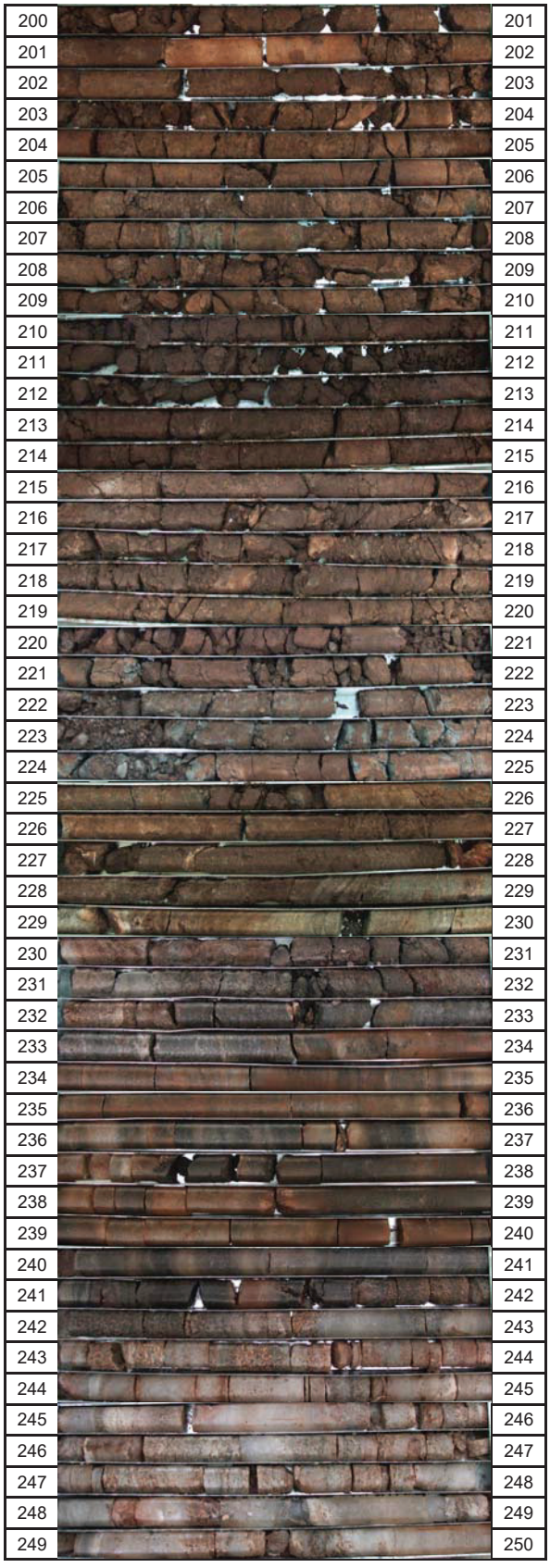
Core Photograph

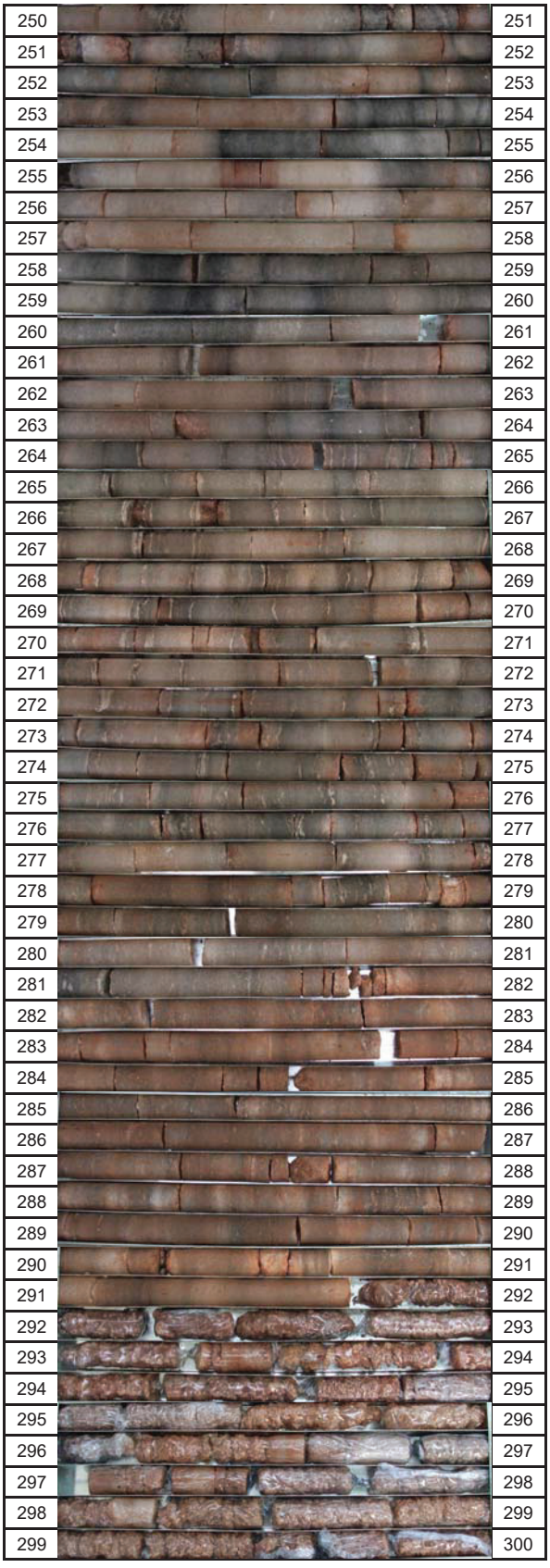
Project : POTASH EXPLORATION **Hole No. DH-08**

Location : NAKRONRATCHASIMA **Total depth 330.00 m.**

Hole No. DH-08

Depth 200.0 to 300.0 m.





Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-08**

Location : NAKRONRATCHASIMA **Total depth 330.00 m.**

Hole No. DH-08

Depth 300.0 to 330.0 m.

300		301
301		302
302		303
303		304
304		305
305		306
306		307
307		308
308		309
309		310
310		311
311		312
312		313
313		314
314		315
315		316
316		317
317		318
318		319
319		320
320		321
321		322
322		323
323		324
324		325
325		326
326		327
327		328
328		329
329		330

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT SHEET 1/2

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-09 COORDINATE. 807041.99 E 1697180.47 N ELEVATION. 211.87 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED OCTOBER 2011 COMPLETED NOVEMBER 2011 TOTAL DEPTH. 246.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			0		0.0 - 2.5 m. **Topsoil; brown to** reddish brown, humous.		
					2.5 - 51.0 m. **Siltstone**; reddish brown, massive and lamination, core sample broken.		
			25				
			50		51.0 - 87.8 m. **Claystone**; maroon, stiff.		
			75				
					87.8 - 94.0 m. **Claystone anhydrite**; gray, stiff. anhydrite at depth 93.0 - 94.0 m.		
					94.0-185.5 m. **Halite**; white gray to orange, with anhydrite band dark gray interbedded.		
			100				
			125				
			150				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 2/2

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-09 COORDINATE. 807041.99 E 1697180.47 N ELEVATION. 211.87 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED OCTOBER 2011 COMPLETED NOVEMBER 2011 TOTAL DEPTH. 246.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LOG	LITHOLOGY	RECOVERY (%)	Remark
			175		94.0 - 185.5 m. **Halite;** white gray to orange, with anhydrite band dark gray interbedded.		
			200		185.5 - 207.8 m. **Claystone anhydrite;** gray to brown, with anhydrite band dark gray		
211.2 - 215.6 m.					207.8 - 212.2 m. **Halite;** gray to orange, with anhydrite band dark gray.		Sampling to cemical analysis at depth 211.3 - 211.4 m. and 212.2 - 215.6 m.
					212.2 - 215.6 m. **Carnallite** at depth 212.2 - 215.6 m.		
			225		215.6 - 246.0 m. **Halite;** white gray, some clear and milky white halite. with anhydrite band dark gray interbedded.		
			250				
			275				
			300				

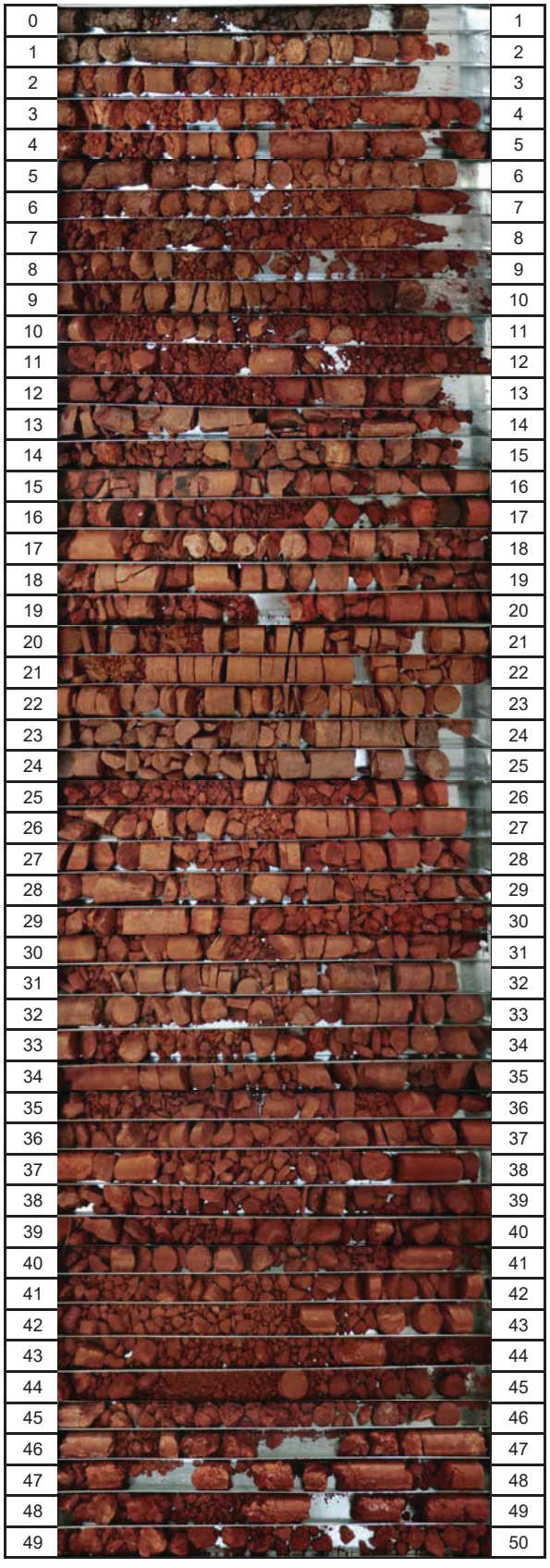
Core Photograph

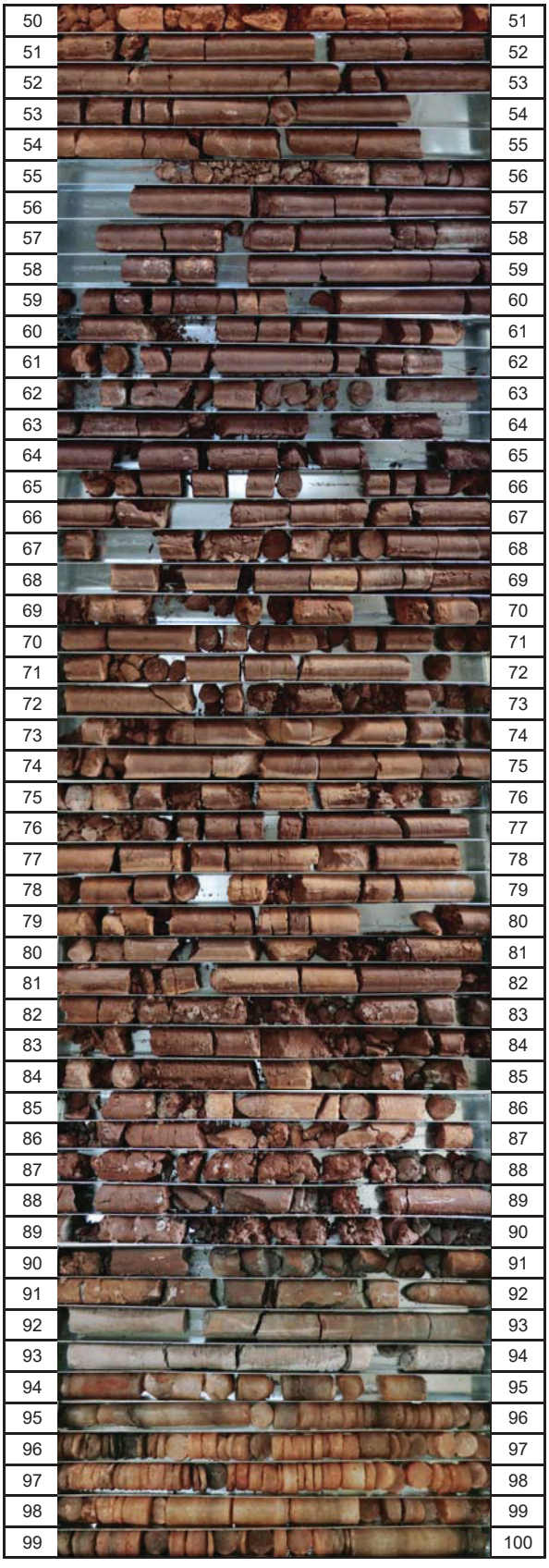
Project : POTASH EXPLORATION **Hole No. DH-09**

Location : NAKRONRATCHASIMA **Total depth 246.00 m.**

Hole No. DH-09

Depth 0.0 to 100.0 m.





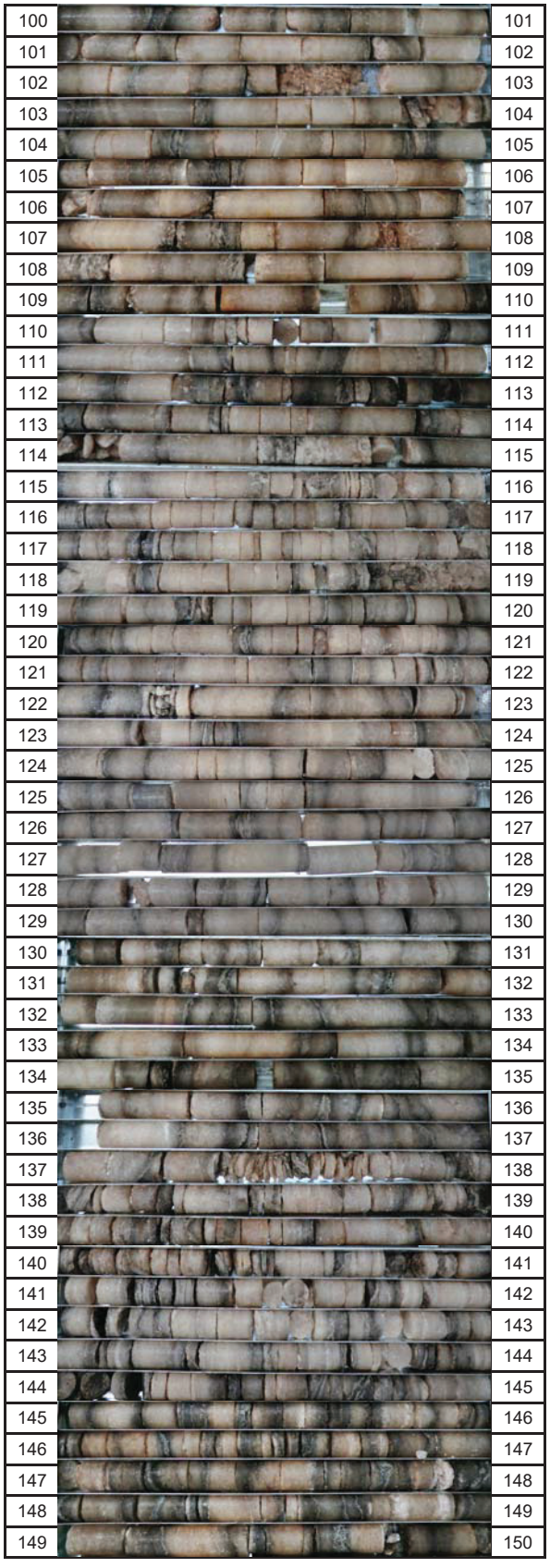
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-09**

Location : NAKRONRATCHASIMA **Total depth 246.00 m.**

Hole No. DH-09

Depth 100.0 to 200.0 m.





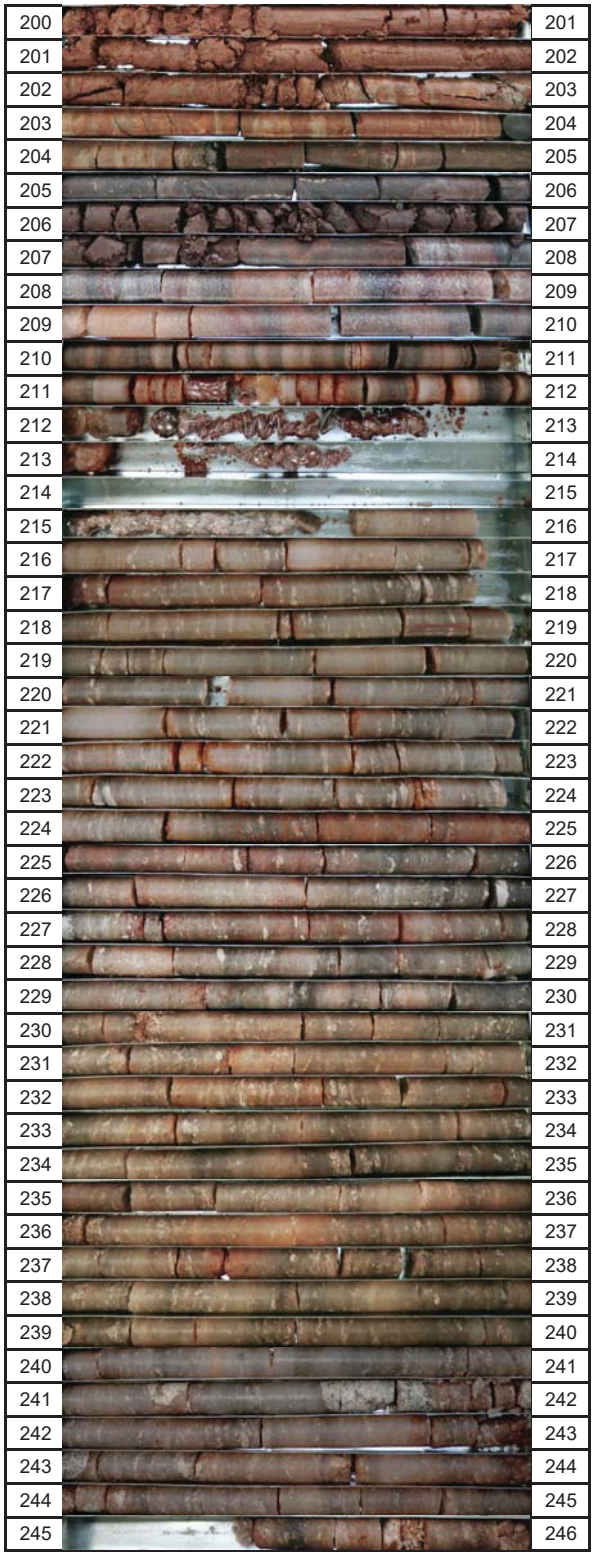
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-09**

Location : NAKRONRATCHASIMA **Total depth 246.00 m.**

Hole No. DH-09

Depth 200.0 to 246.0 m.



THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 1/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-23 COORDINATE. 807952.00 E 1697534.00 N ELEVATION. 216.90 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED APRIL 2013 COMPLETED MAY 2013 TOTAL DEPTH. 379.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
					0.0 - 10.0 m. **Topsoil**; brown to black, humous.		
			25		10.0 - 68.6 m. **Siltstone**; reddish brown, massive and lamination, fiable, semi-consolidated to consolidated, highly fracturing at depth 11.0 - 60.0 m.		
			50				
					68.6 - 73.1 **Anhydrite**; milky white to gray, perfect cleavage, thin bedded, mixed with clay.		
			75		73.1 - 113.0 m. **Claystone**; brown, massive and lamination, fiable, semiconsolidated to consolidated, at depth 95.0 - 113.0 m., mixed with anhydrite, gray.		
			100				
					113.0 - 231.0 m. **Halite**; colorless orange and gray, massive. anhydrite interbedded at depth 209.7 - 210.5 m.		
			125				
			150				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 2/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-23 COORDINATE. 807952.00 E 1697534.00 N ELEVATION. 216.90 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED APRIL 2013 COMPLETED MAY 2013 TOTAL DEPTH. 379.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			175		113.0 - 231.0 m. **Halite**; colorless orange and gray, massive. anhydrite interbedded at depth 209.7 - 210.5 m.		
			200				
			225				
			250		231.0 - 263.7 m. **Claystone**; brown, massive and lamination, fiable, semiconsolidated to consolidated, some halite vein filled along fracture, claystone mixed with anhydrite at depth 255.4 - 263.7 m., gray.		
			275		263.7 - 295.0 m. **Halite**; colorless to gray, massive. mixed with anhydrite at depth 263.7 - 290.0 m. carnallite interbedded at depth 277.0 - 277.4 m., 281.1 - 281.5 m. (dissoled) and 293.0 - 293.6 m.		
			300		295.0 - 299.0 m. **Carnallite and Sylvite**; colorless gray and blue, dissolved.		sampling at depth 295.0 - 299.0 m.

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 3/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-23 COORDINATE. 807952.00 E 1697534.00 N ELEVATION. 216.90 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED APRIL 2013 COMPLETED MAY 2013 TOTAL DEPTH. 379.00 M.

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			325		299.0 - 379.0 m. **Halite;** colorless to gray, coarse grained, massive. some anhydrite interbedded at depth 317.0 - 321.0 m. and 335.0 - 379.0 m.		
			350				
			375				
			400				
			425				
			450				

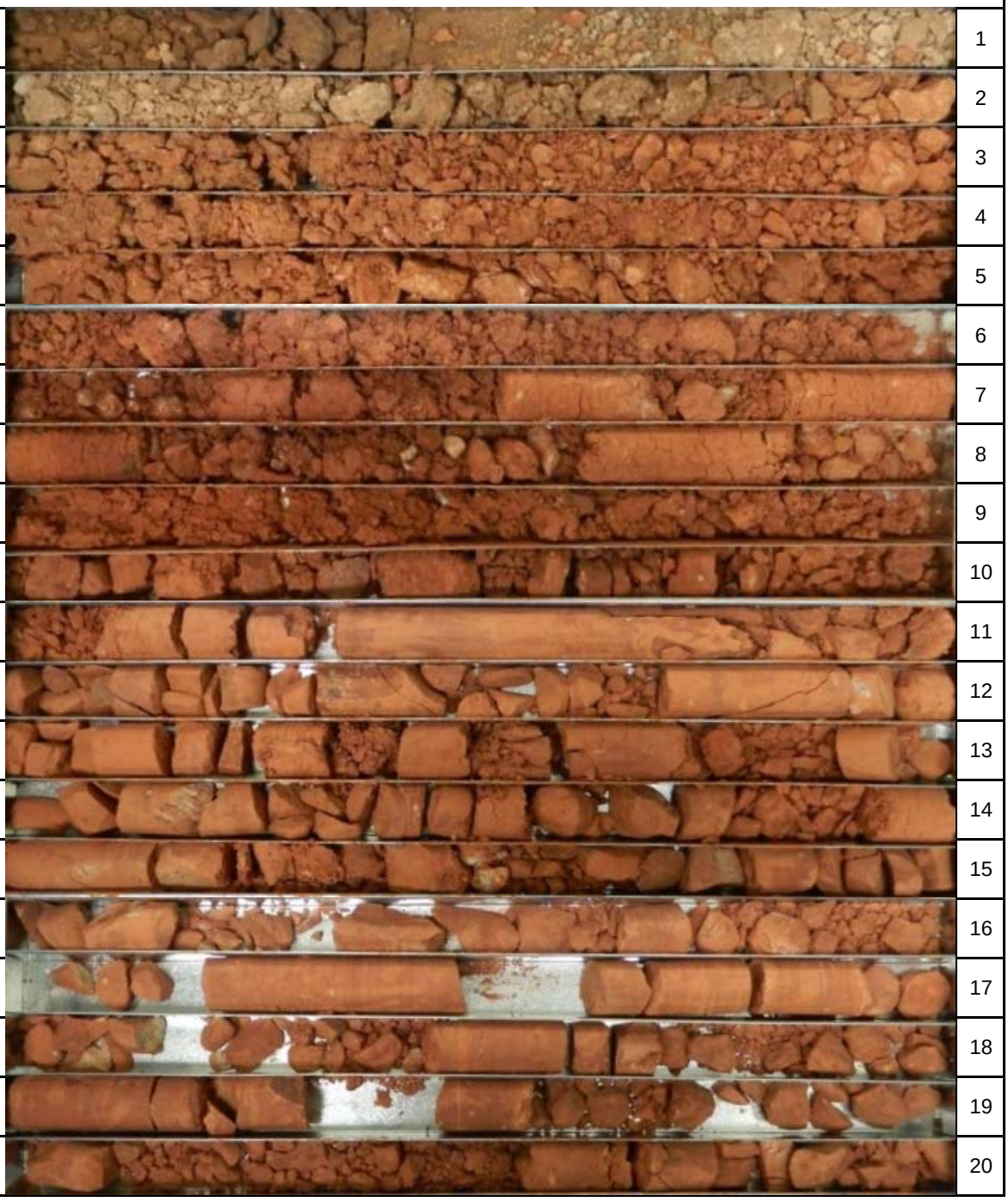
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 0.0 to 20.0 m.



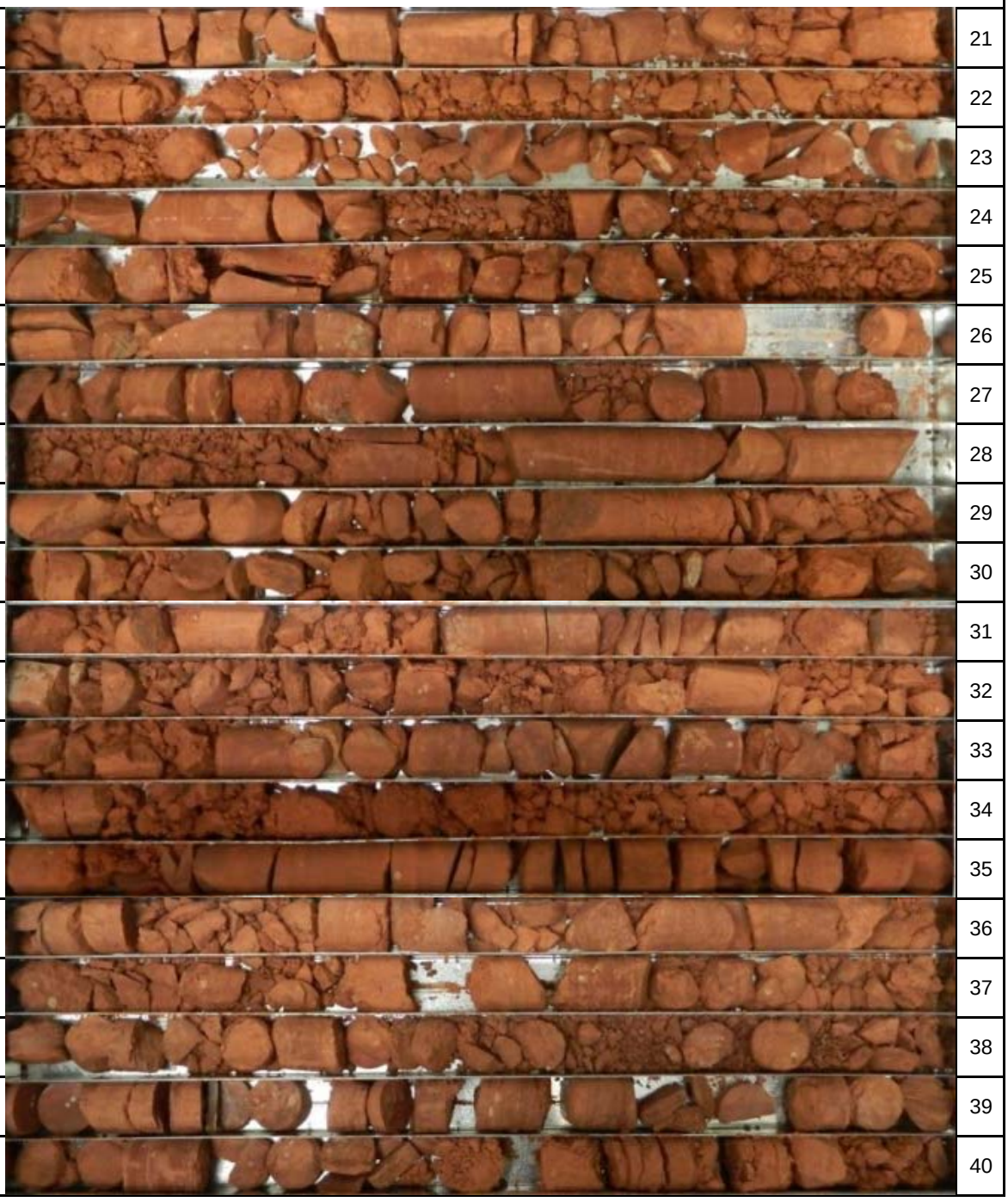
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 20.0 to 40.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 40.0 to 60.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 60.0 to 80.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 80.0 to 100.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 100.0 to 120.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 120.0 to 140.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 140.0 to 160.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 160.0 to 180.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 180.0 to 200.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 200.0 to 220.0 m.



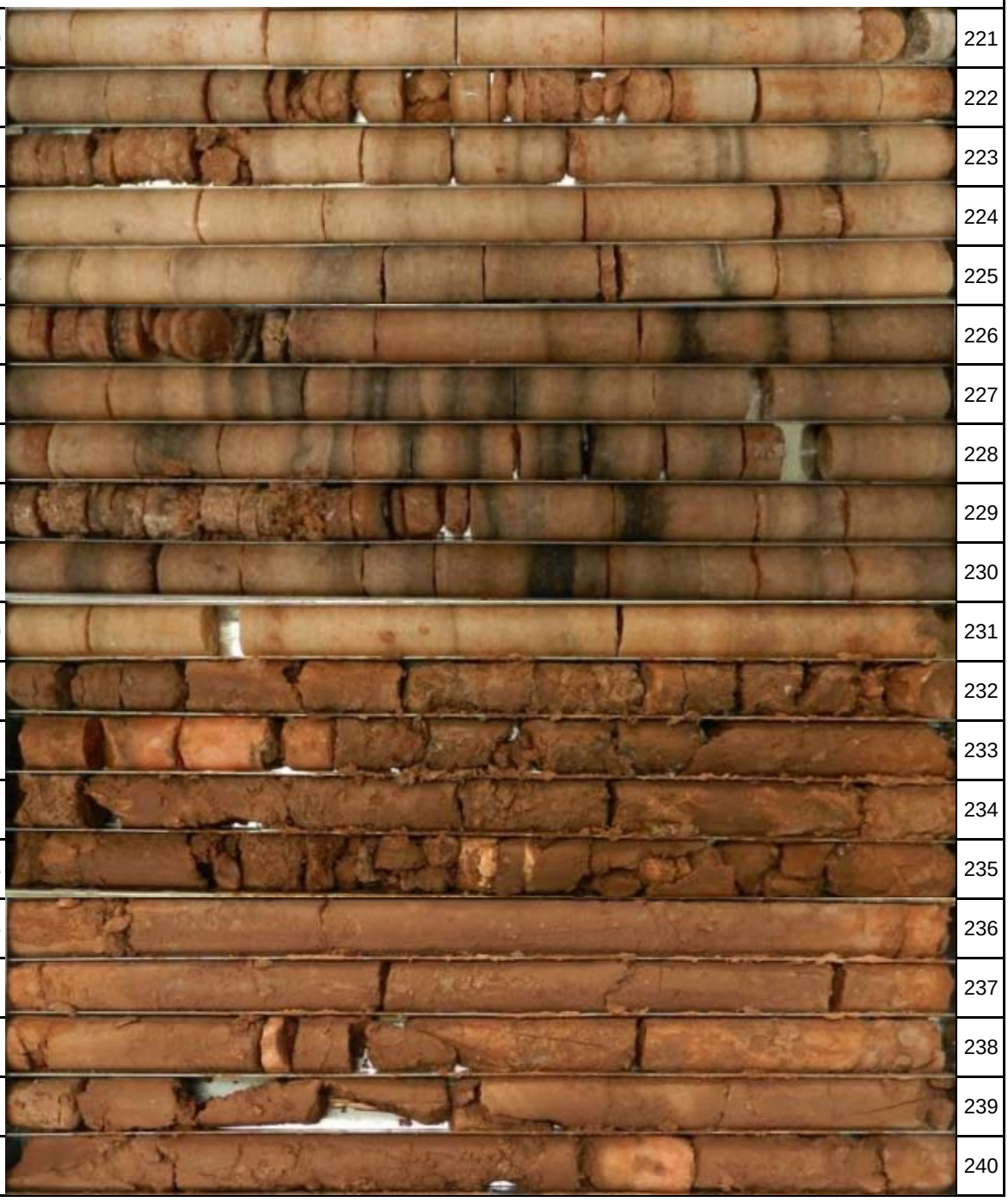
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 220.0 to 240.0 m.



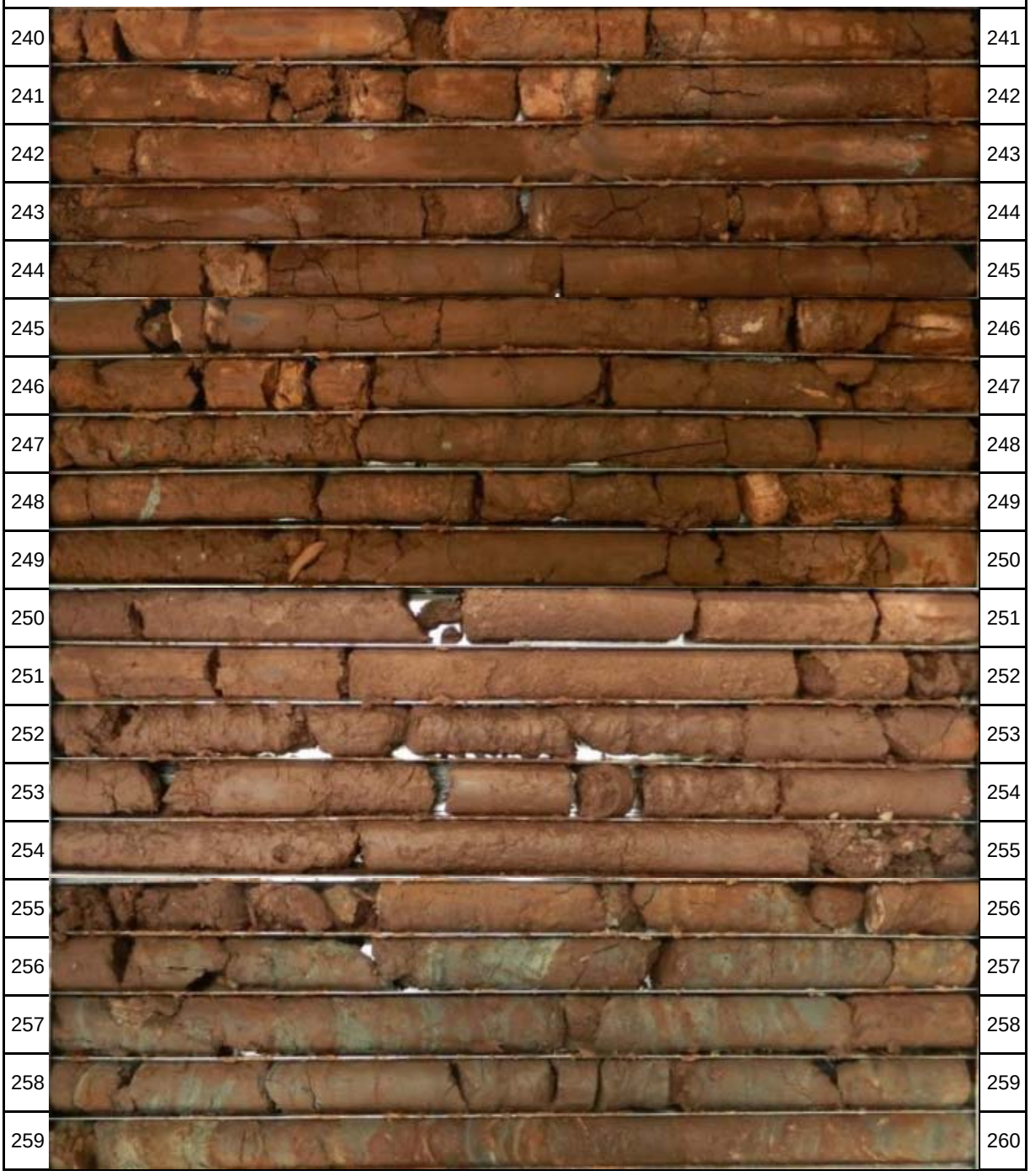
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 240.0 to 260.0 m.



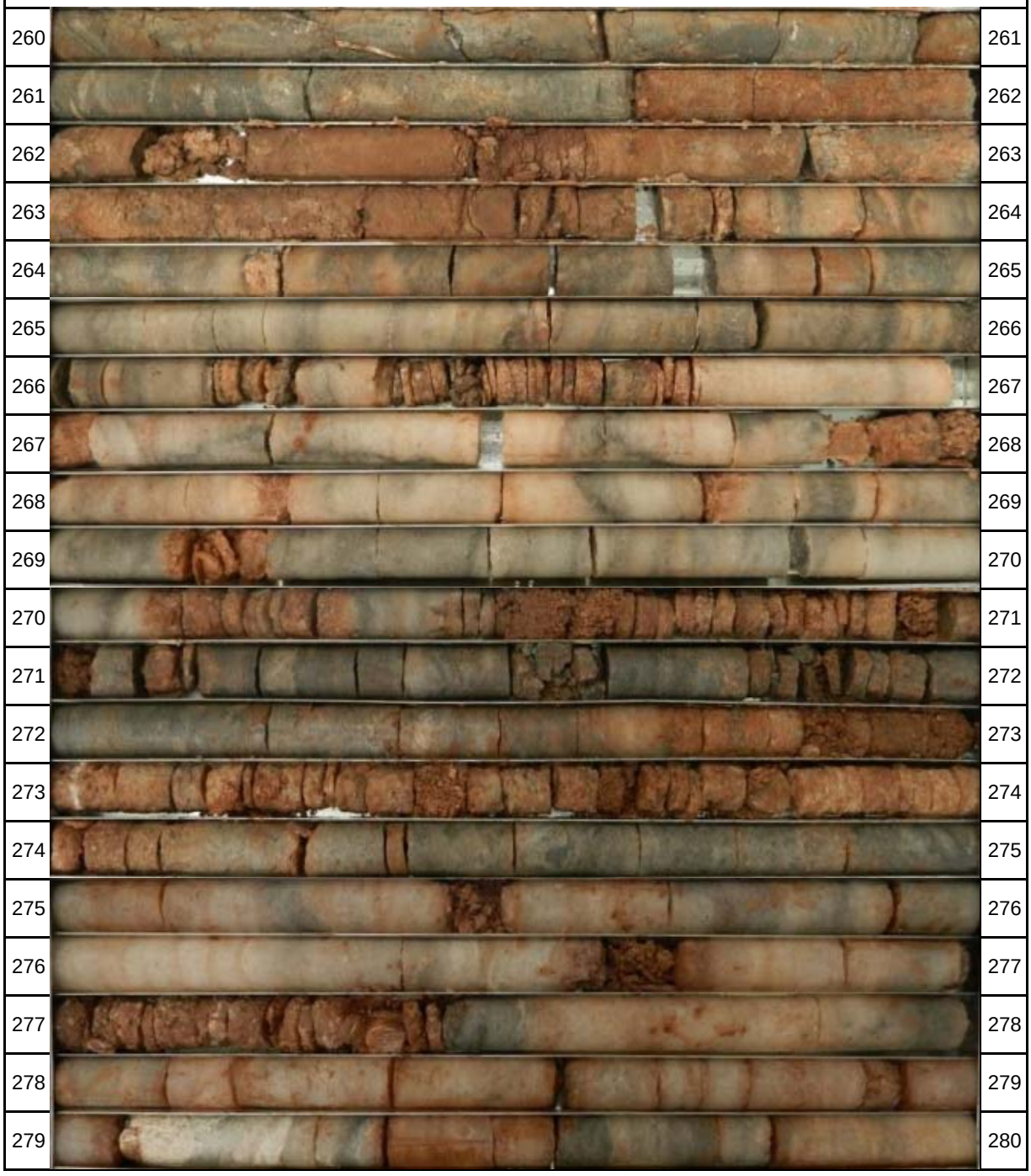
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 260.0 to 280.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 280.0 to 300.0 m.



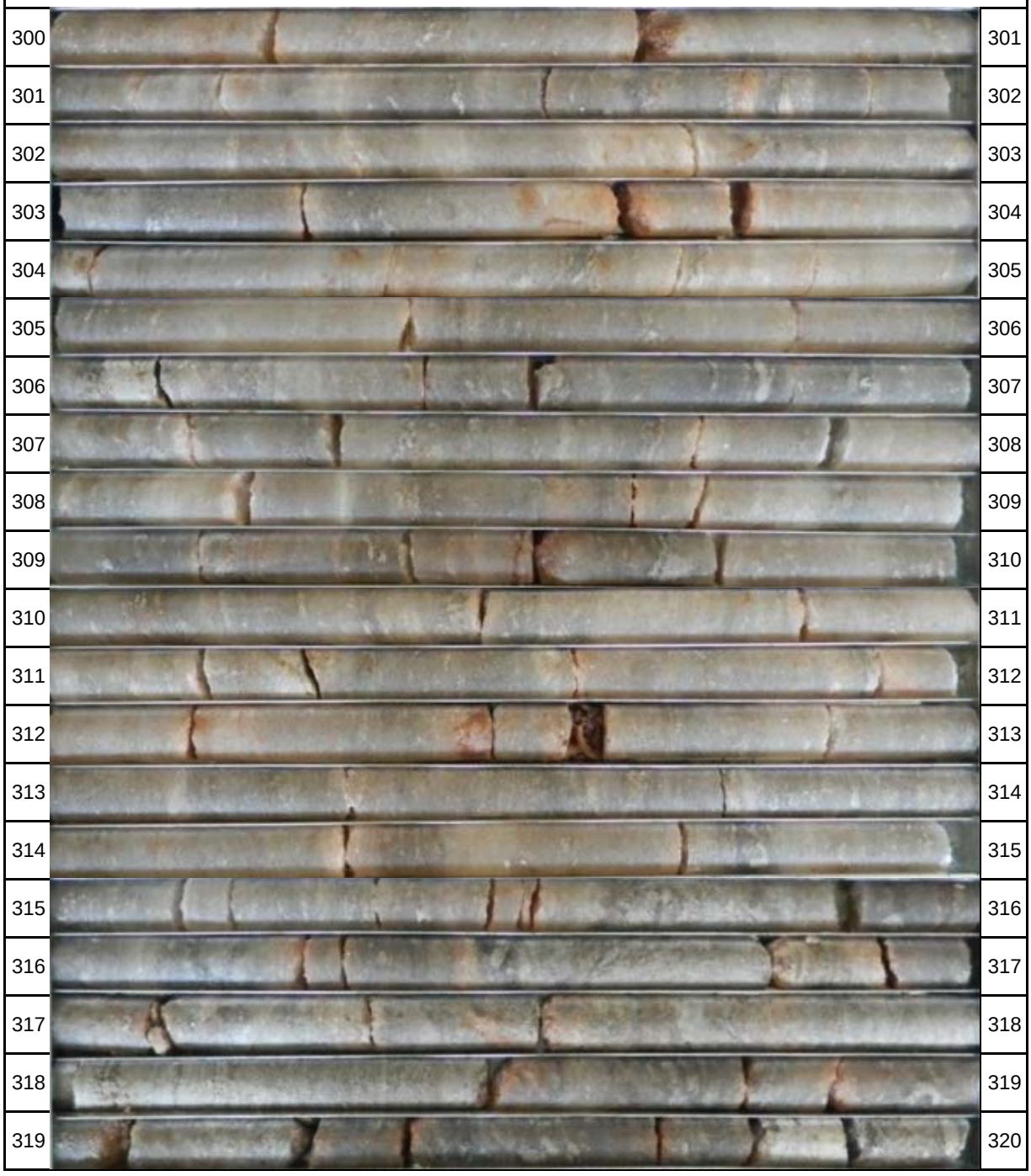
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 300.0 to 320.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 320.0 to 340.0 m.



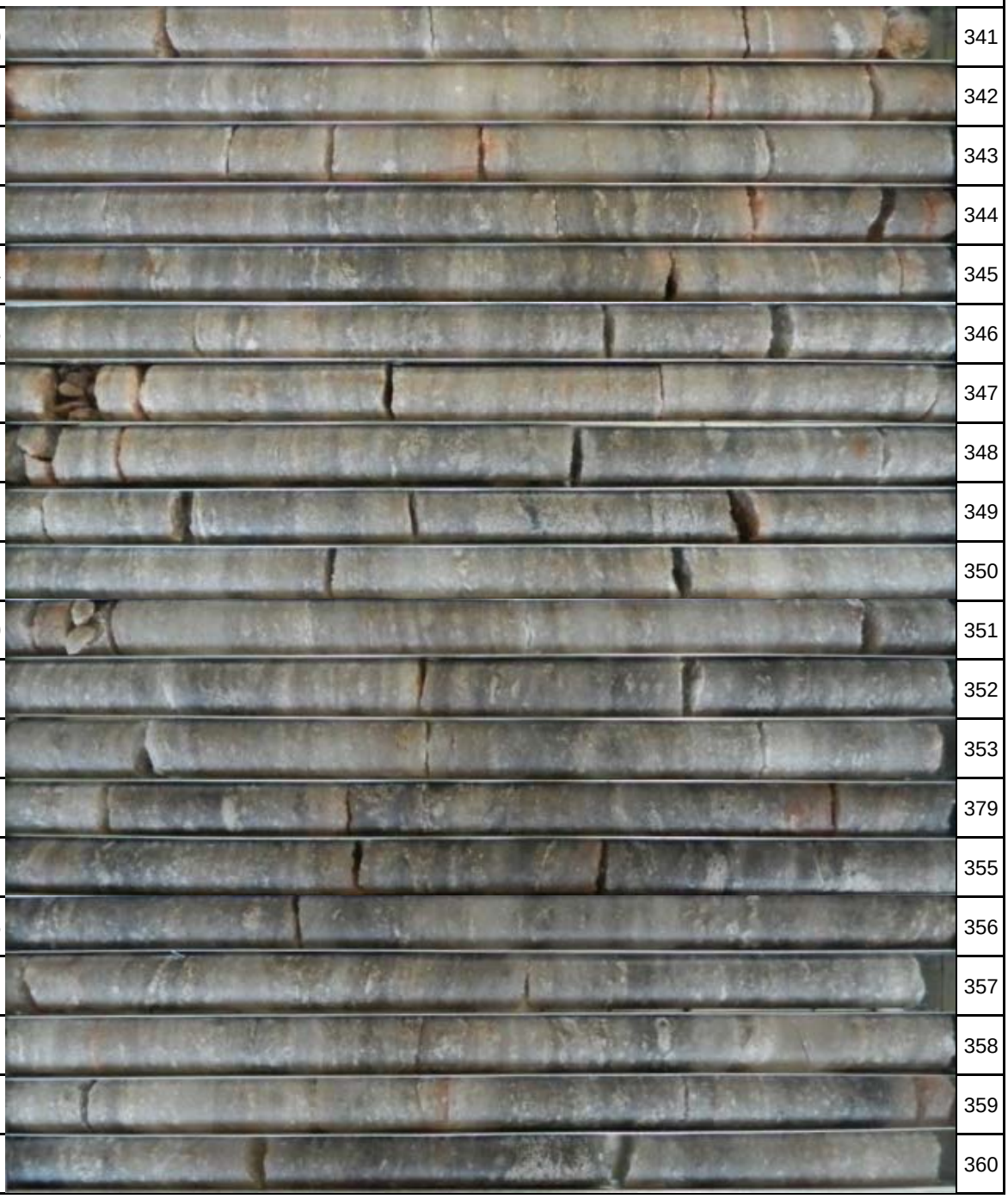
Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 340.0 to 360.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-23**

Location : NAKRONRATCHASIMA **Total depth 379.00 m.**

Hole No. DH-23

Depth 360.0 to 379.0 m.



THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 1/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-27 COORDINATE. 808242.00 E 1697502.00 N ELEVATION. 217.50 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED JANUARY 2014 COMPLETED FEBRUARY 2014 TOTAL DEPTH. 380.00 M

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			0		0.0 - 3.0 m. **Topsoil, silt and clay;** brown to reddish brown, fine to coarse - grained ,subrounded, slightly plastic, soft.		
			25		3.0 - 81.0 m. **Siltstone interbedded with clay;** reddish brown, massive and lamination, hard, ferruginous cemented, slightly weathered, anhydrite fill along fracture at depth 74.0 - 85.0 m., core recovery 90%, RQD 5%, Bedding plain : 0 - 5 degrees from horizontal.		Phu Thok Formation
			50				
			75				
					81.0 - 86.1 m. **Anhydrite;** milky white to gray, cleavage 5 - 10 degrees from horizontal, core recovery 70%.		
			100		86.1 - 127.4 m. **Claystone anhydrite;** greyish brown and brown, highly plastic, soft to stiff , calcareous cement, slightly weathered, core recovery 85%, RQD 50%. core loss from 113.0 m. - 115.0 m.		Middle Clastics Maha Sarakham Formation
			125		127.4 - 253.0 m. **Halite interbedded with anhydrite;** colorless orange and gray, fresh, cleavage 0 - 3 degrees from horizontal, core recovery 95%, RQD 20%. Anhydrite; grey from 233.2 - 234.2 m.		Middle Salt Maha Sarakham Formation
			150				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT SHEET 2/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-27 COORDINATE. 808242.00 E 1697502.00 N ELEVATION. 217.50 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED JANUARY 2014 COMPLETED FEBRUARY 2014 TOTAL DEPTH. 380.00 M

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LOG	LITHOLOGY	RECOVERY (%)	Remark
			175		127.4 - 253.0 m. **Halite interbedded with anhydrite;** colorless orange and gray, fresh, cleavage 0 - 3 degrees from horizontal, core recovery 95%, RQD 20%. Anhydrite; grey from 233.2 - 234.2 m.		Middle Salt Maha Sarakham Formation
			200				
			225				
			250		253.0 - 283.5 m. **Clay mixed with halite and anhydrite;** brown to greyish brown, highly plastic, very soft, ferruginous cement, slightly weathered, core recovery 95%, intercalated with halite; orange at depth 253.8 - 253.9,		Lower Clastics Maha Sarakham Formation
			275		**Halite interbedded with anhydrite;** orange, grey and white and gray, fresh, cleavage 0 - 3 degrees from horizontal, 283.5 - 291.5 m.		Colour Rock salt
			300		**Sylvite;** colorless and gray, fresh, hard, core recovery 40%, intercalated with halite; white, orange and grey at 291.5 - 307.8 m. depth 292.5 - 293.0, 297.5 - 297.6, 300.4 - 300.7, 303.6 - 303.8 and 307.2 - 307.5 m.		Carnallite and Sylvite

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT SHEET 3/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-27 COORDINATE. 808242.00 E 1697502.00 N ELEVATION. 217.50 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED JANUARY 2014 COMPLETED FEBRUARY 2014 TOTAL DEPTH. 380.00 M

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
			291.5		291.5 - 307.8 m. **Sylvite**; colorless and gray, fresh, hard, core recovery 40%, intercalated with halite; white, orange and grey at depth 292.5 - 293.0, 297.5 - 297.6, 300.4 - 300.7,		Carnallite and Sylvite
			307.8		307.8 - 380.0 m. **Halite interbedded with anhydrite**; orange, grey and white and gray, fresh, cleavage 0 - 3 degrees from horizontal,		Lower Salt Maha Sarakham Formation
			330				
			350				
			375				
			400				
			430				
			460				

Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 0.0 to 20.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 20.0 to 40.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 40.0 to 60.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 60.0 to 80.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 80.0 to 100.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 100.0 to 120.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 120.0 to 140.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 140.0 to 160.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 160.0 to 180.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 180.0 to 200.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 200.0 to 220.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 220.0 to 240.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 240.0 to 260.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 260.0 to 280.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 280.0 to 300.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 300.0 to 320.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 320.0 to 340.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 340.0 to 360.0 m.



Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-27**

Location : NAKHON RATCHASIMA **Total depth 380.00 m.**

Hole No. DH-27

Depth 360.0 to 380.0 m.



THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT SHEET 1/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-30 COORDINATE. 807489.00 E 1697501.00 N ELEVATION. 213.90 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED AUGUST 2014 COMPLETED AUGUST 2014 TOTAL DEPTH 320.00 M

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
DH-30			25		0.0-55.0 m. **Siltstone**; reddish brown, massive and lamination, fiable, semi-consolidated to consolidated.		
			50				
			75		55.0-100.0 m. **Clay mixed with halite and anhydrite**; brown to greyish brown, highly plastic, very soft, ferruginous cement, slightly weathered, core recovery 95%, intercalated with halite; orange at depth 253.8 - 253.9,		
			100		100.0-198.0 m. **Halite**; pale orange, medium-grain, some clear and milky white halite. core recovery 95%, RQD 20%.		
			125				
			150				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT — SHEET 2/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-30 COORDINATE. 807489.00 E 1697501.00 N ELEVATION. 213.90 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED AUGUST 2014 COMPLETED AUGUST 2014 TOTAL DEPTH 320.00 M

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LOG	LITHOLOGY	RECOVERY (%)	Remark
DH-30			175		100.0-198.0 m. **Halite;** pale orange, medium-grain, some clear and milky white halite. core recovery 95%, RQD 20%.		
			200		198.0-223.9 **Clay mixed with halite and anhydrite;** brown to greyish brown, highly plastic, very soft, ferruginous cement, slightly weathered, core recovery 95%, intercalated with halite; orange at depth 253.8 - 253.9,		
			225		223.9-227.8 m. **Colored rocksalt;** pale orange, medium-grain, some clear and milky white halite.		
			250		227.8-320.0 m. **Halite interbedded with anhydrite;** orange, grey and white and gray, fresh, cleavage 0 - 3 degrees from horizontal, core recovery 95%, RQD 20%. Carnallite intercallated from 227.8 - 232.0 m.		
			275				
			300				

THAI KALI CO.,LTD.

POTASH EXPLORATION PROJECT

SHEET 3/3

GEOLOGICAL LOG

BASIN. DAN KHUN THOT LOCATION. SPL. AREA. KHORAT COUNTRY : THAILAND

DRILL HOLE. DH-30 COORDINATE. 807489.00 E 1697501.00 N ELEVATION. 213.90 M.(MSL)

DRILLING TYPE. ROTARY DRILLING (CORING) COMMENCED AUGUST 2014 COMPLETED AUGUST 2014 TOTAL DEPTH 320.00 M

INCLINATION 90 DEGREE - DIRECTION GEOLOGIST : CHINAPONG YHISU

SAMPLE NAME	SAMPLE THICK	FINESS MODULUS	DEPTH(m)	LITHOLOGY LOG	LITHOLOGY	RECOVERY (%)	Remark
DH-30			325		228.0-320.0 m. **Halite interbedded with anhydrite;** orange, grey and white and gray, fresh, cleavage 0 - 3 degrees from horizontal,		
			350		TOTAL DEPTH 320.0 m.		
			375				
			400				
			425				
			450				

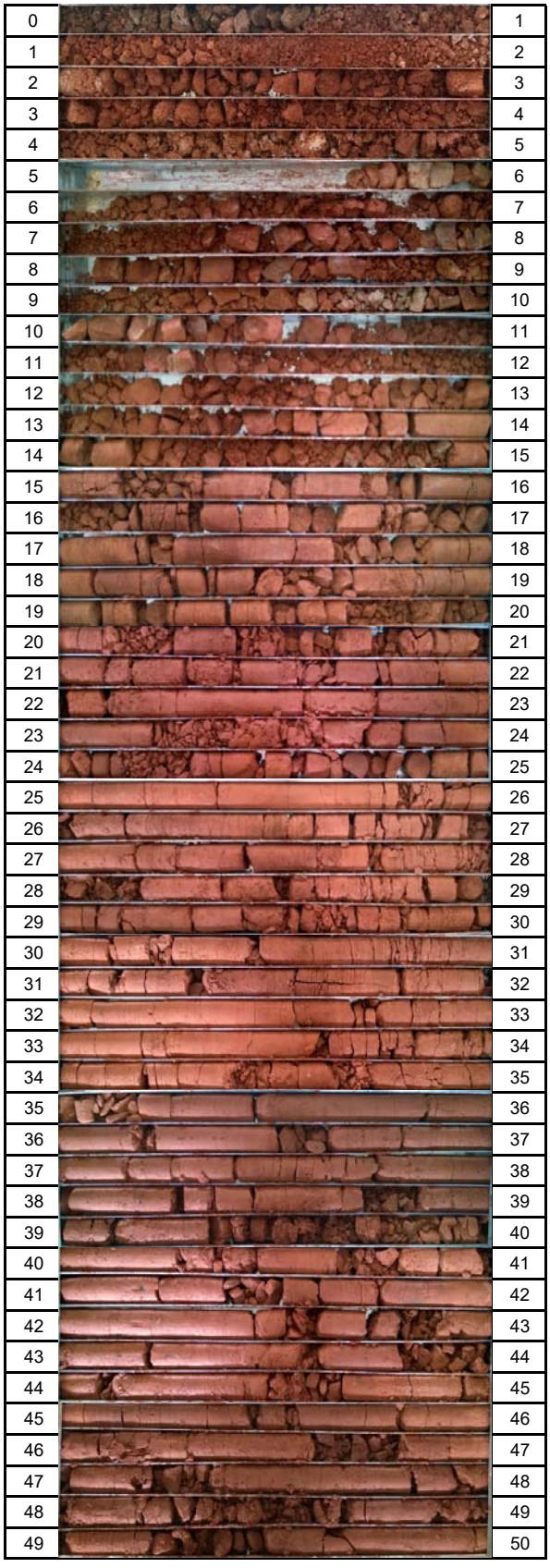
Core Photograph

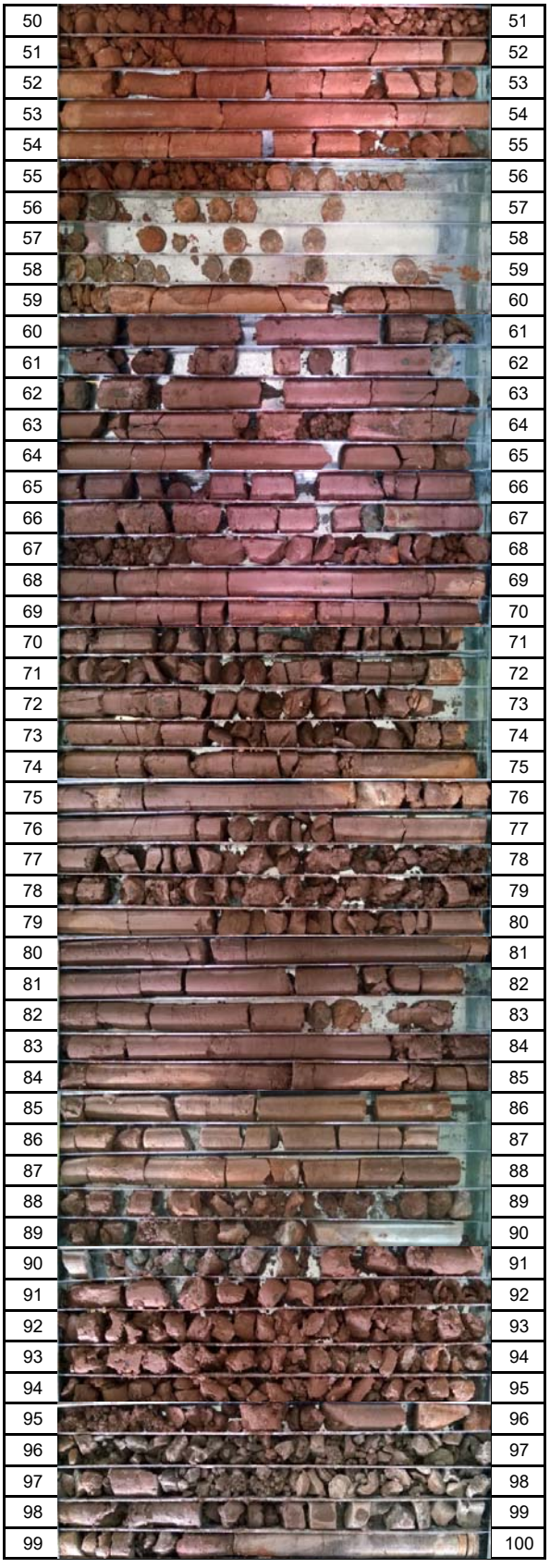
Project : POTASH EXPLORATION **Hole No. DH-30**

Location : NAKRONRATCHASIMA **Total depth 320.00 m.**

Hole No. DH-30

Depth 0.0 to 100.0 m.





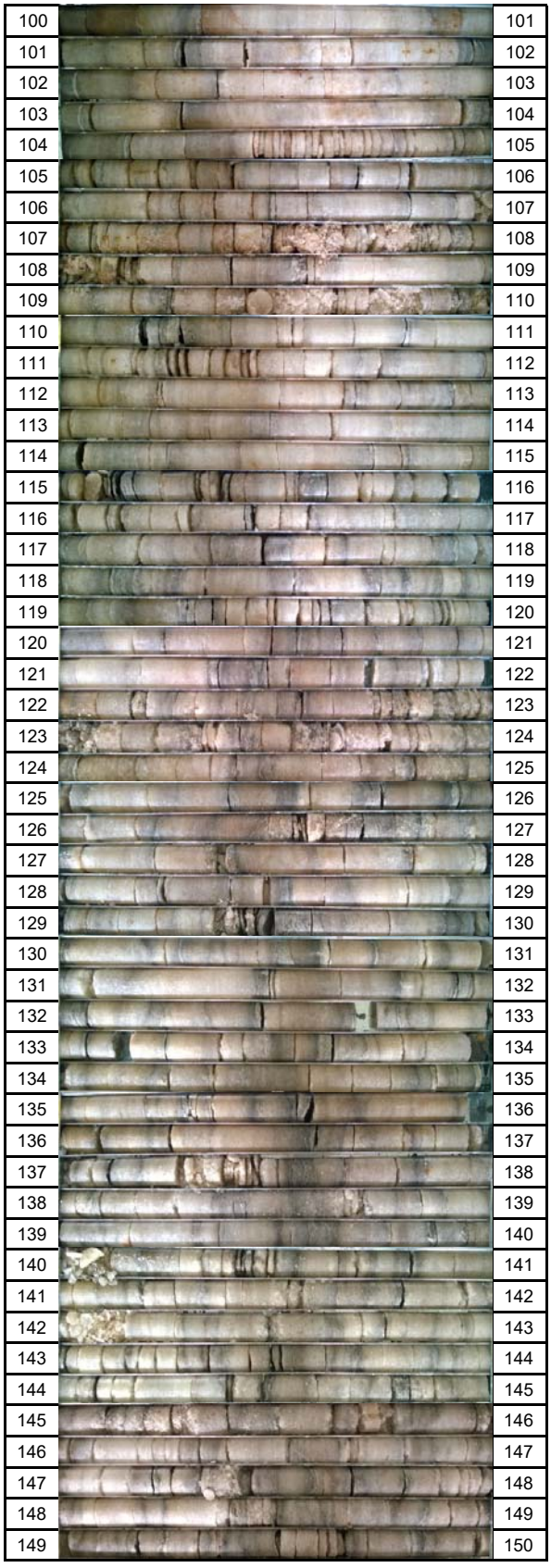
Core Photograph

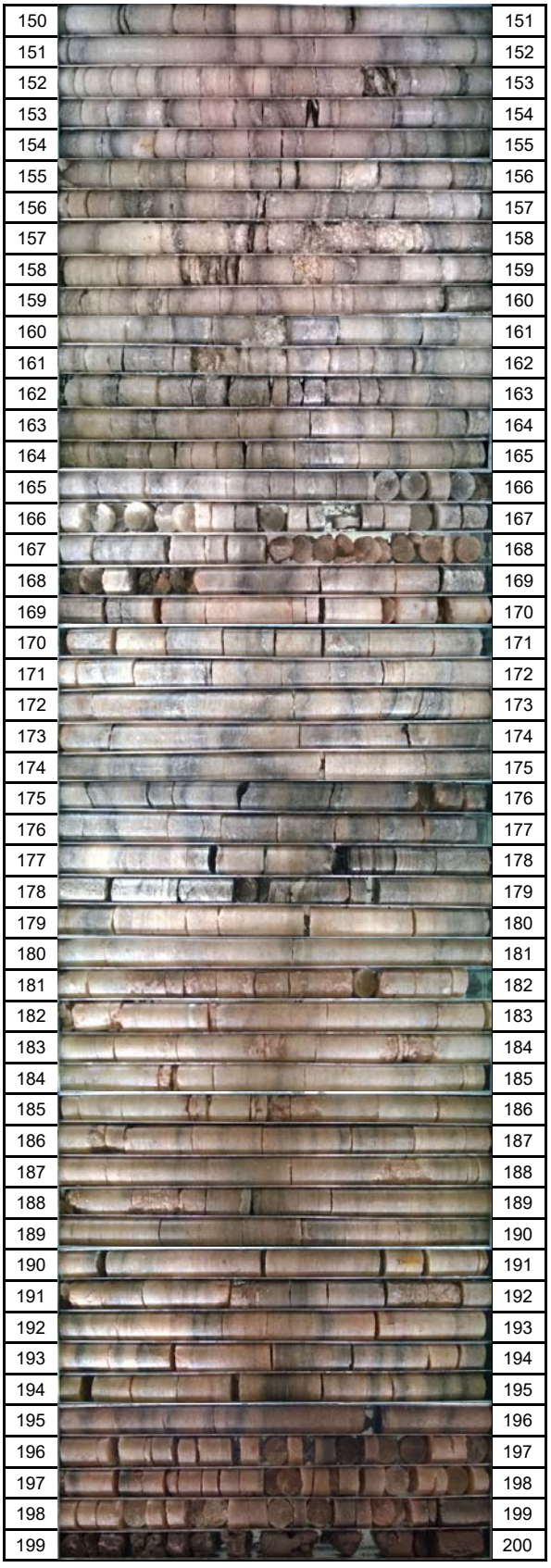
Project : POTASH EXPLORATION **Hole No. DH-30**

Location : NAKRONRATCHASIMA **Total depth 320.00 m.**

Hole No. DH-30

Depth 100.0 to 200.0 m.





Core Photograph

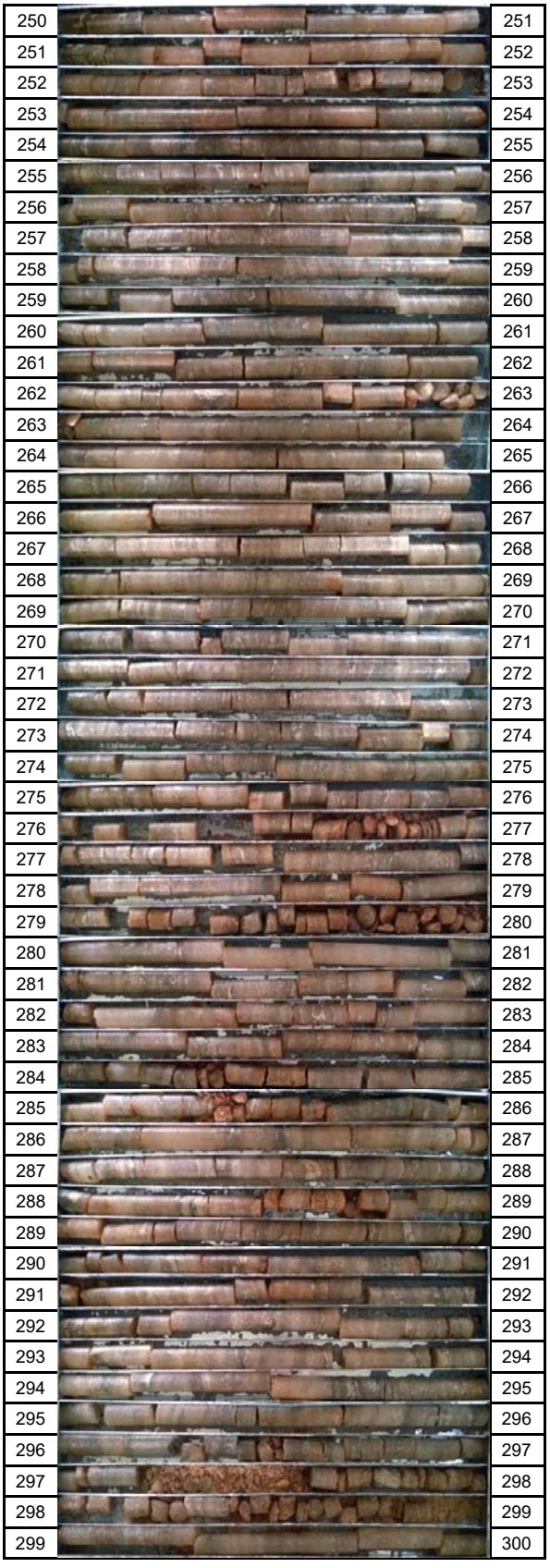
Project : POTASH EXPLORATION **Hole No. DH-30**

Location : NAKRONRATCHASIMA **Total depth 320.00 m.**

Hole No. DH-30

Depth 200.0 to 300.0 m.





Core Photograph

Project : POTASH EXPLORATION **Hole No. DH-30**

Location : NAKRONRATCHASIMA **Total depth 320.00 m.**

Hole No. DH-30

Depth 300.0 to 380.0 m.

