

เอกสารแนบ 12
สำเนาใบอนุญาตของผู้ควบคุมการระเบิด
และเอกสารบันทึกการระเบิด

Blast Name :

Blast 3

Date: 13 / 1 / 69

Site Name: เขาใหญ่พัฒนา

Hole Size: 3.5 in.

Drilling M.: #4

Stone Quantity: 3150 Ton.

Blast S.: 710 MSL.

ANFO: 18 Pcs. Kg.

Type of Explosive: ☒ ANFO ☐ BLUK

Bulk: - Kg.

Number of Holes: 25 Hole.

Powder factor: 0.29 kg/BCM

Hole Depth: 7 m. 21 Hole.

Non - Electric (Double det): - Pcs.

Hole Depth: 5.25 m. 4 Hole.

Surface Delay: - Pcs.

Hole Depth: m. Hole.

Electric Blasting Cap: 25 Pcs.

Hole Depth: m. Hole.

No.1 Pcs. No.6 Pcs.

Burden: 3 m Sub drilling 0.5 m.

No.2 Pcs. No.7 6 Pcs.

Spacing: 3 m Stemming: 3.5 m.

No.3 7 Pcs. No.8 Pcs.

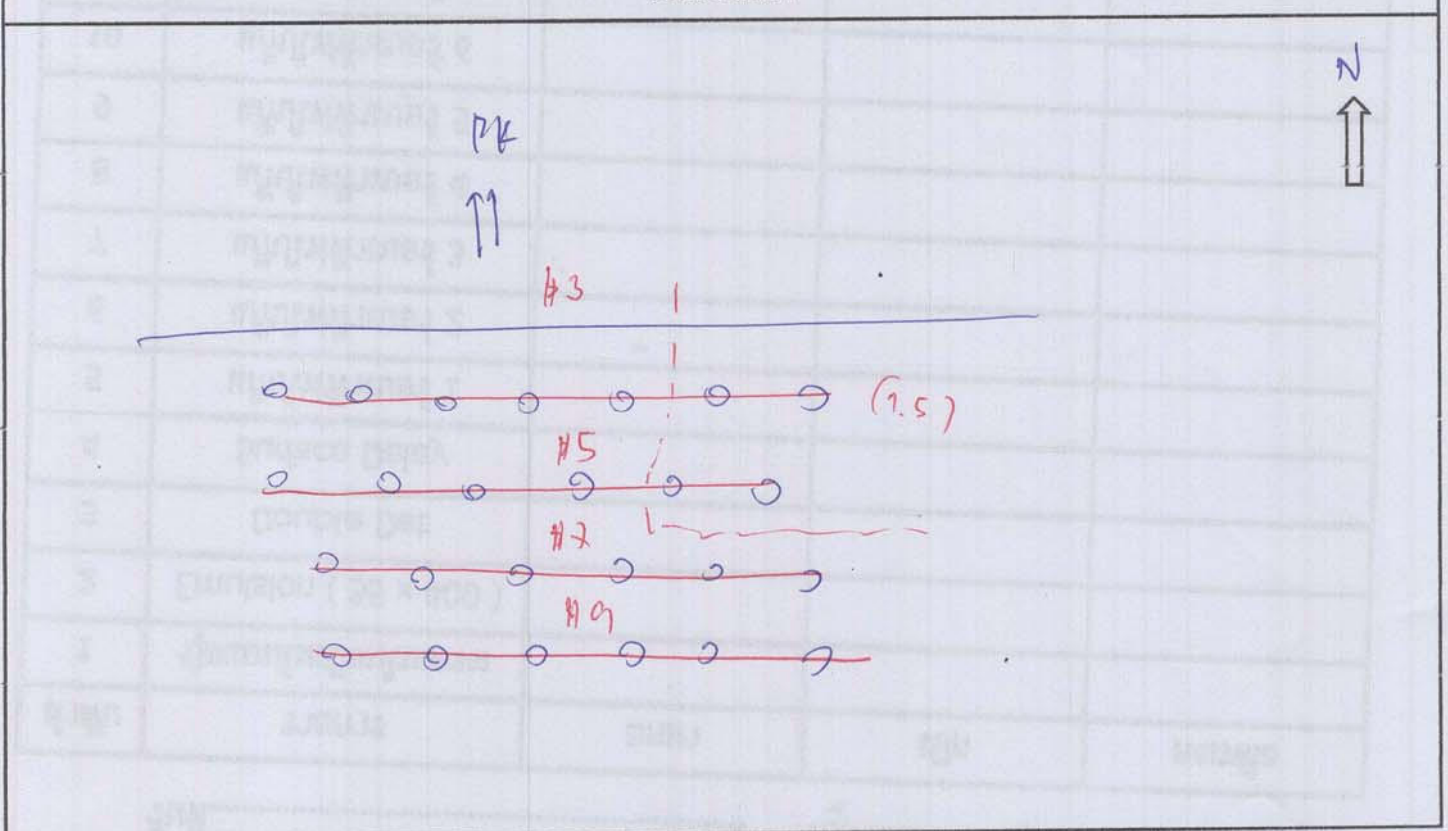
Emulsion 35x400 mm. 50 Pcs.

No.4 Pcs. No.9 6 Pcs.

Oil: 36 L. Fly Rock: No

No.5 6 Pcs. No.10 Pcs.

Blast Pattern



Site Controller: _____

Blasting Report : Blast 1

Date: 19 / 1 / 69

Site Name: เขาใหญ่พัฒนา Drilling M.: #3, #5 Hole Size: 3.5 in.

Type of Work: ☒ Production 230-235 m (MSL) (Efficiency: Eff = 0.80) Stone Quantity: 5966 Ton.
☐ Mine Development m (MSL) ANFO: 36 Kg. Pcs.

Type of Explosive: ☒ ANFO ☐ BLUK Bulk: - Kg.

Number of Holes: 75 Hole. Powder factor : 0.31 kg/BCM

Hole Depth: 7 m. 43 Hole. Non - Electric (Double det): - Pcs. (25/ ms15m)

Hole Depth: Toe m. 3.2 Hole. Surface Delay: - Pcs. (67ms12m)

Hole Depth: m. Hole. Electric Blasting Cap: 75 Pcs.

Hole Depth: m. Hole. No.1 6 Pcs. No.6 6 Pcs.

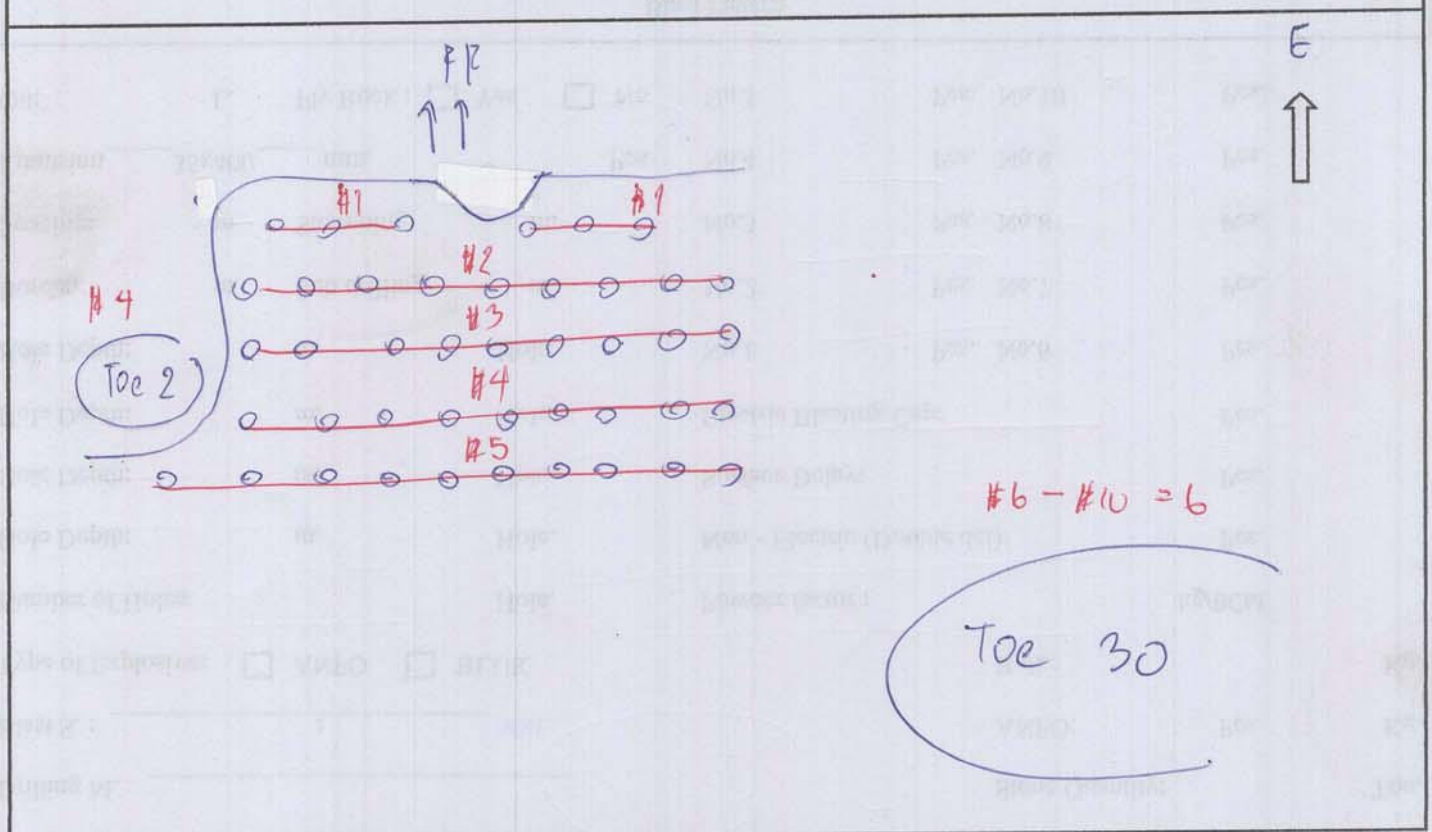
Burden: 3 m Sub drilling: 0.5 m. No.2 9 Pcs. No.7 6 Pcs.

Spacing: 3 m Stemming: 3.3 m. No.3 9 Pcs. No.8 6 Pcs.

Emulsion 35x400 mm.: 86+16 = 102 Pcs. No.4 11 Pcs. No.9 6 Pcs.

Oil: 72 L. Fly Rock : ☐ Yes ☒ No No.5 10 Pcs. No.10 6 Pcs.

Blast Pattern



Site Controller: _____

Blasting Report : Blast

Date: 27 / 1 / 69

Site Name: เขาใหญ่พัฒนา Drilling M.: 15 Hole Size: 3.5 in.

Type of Work: ☒ Production 200 & 235 m (MSL) (Efficiency: Eff = 0.80) Stone Quantity: 6118 Ton.

☐ Mine Development m (MSL) ANFO: 950 Kg. 37 Pcs.

Type of Explosive: ☒ ANFO ☐ BLUK Bulk: Kg.

Number of Holes: 133 Hole. Powder factor: 0.33 kg/BCM

Hole Depth: 7 m. 38 Hole. Non - Electric (Double det): - Pcs. (25/ ms15m)

Hole Depth: Toe m. 9.5 Hole. Surface Delay: - Pcs. (67ms12m)

Hole Depth: m. Hole. Electric Blasting Cap: 133 Pcs.

Hole Depth: m. Hole. No.1 8+3+5 Pcs. No.6 8+4 Pcs.

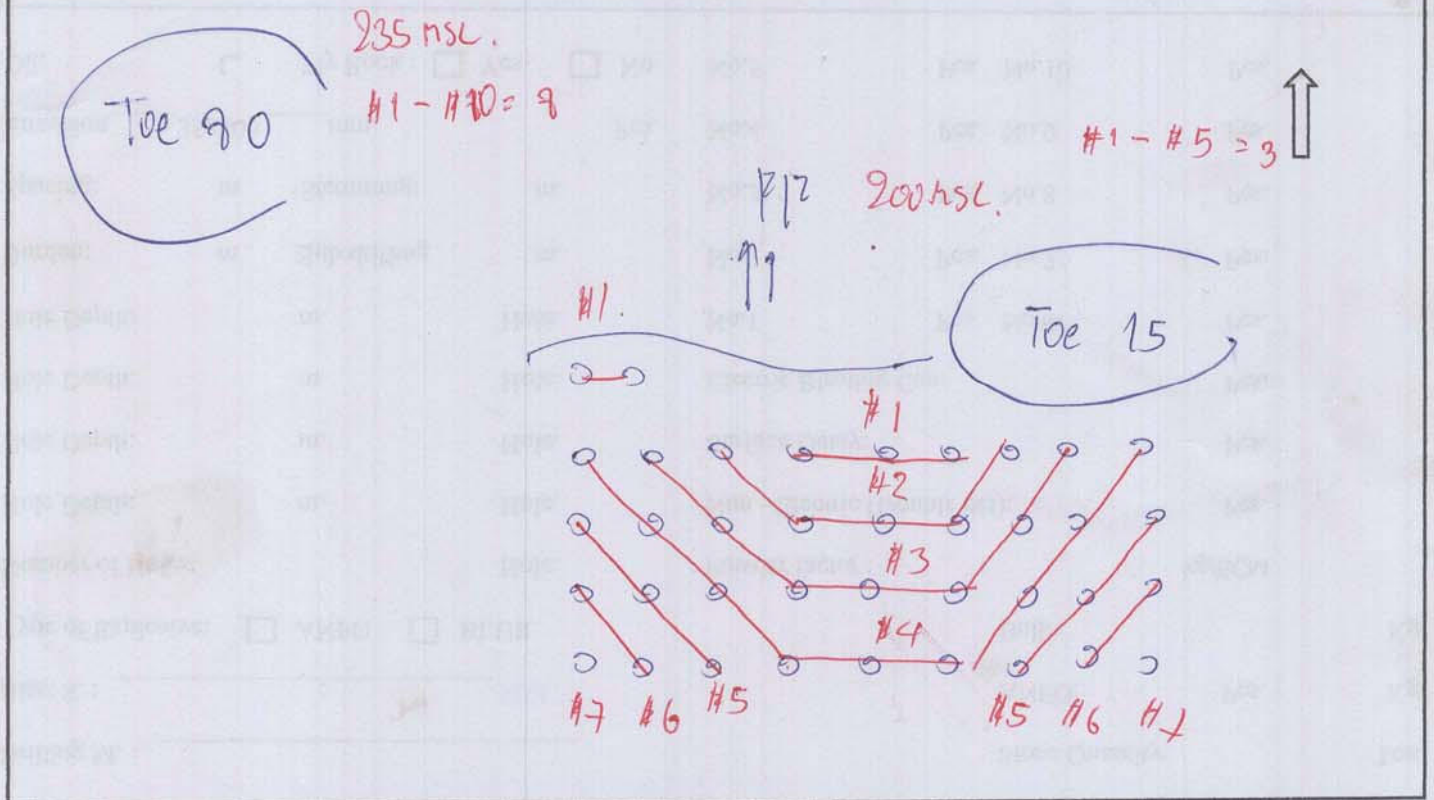
Burden: 3 m Sub drilling: 0.5 m. No.2 8+3+5 Pcs. No.7 8+2 Pcs.

Spacing: 3 m Stemming: 3 m. No.3 8+3+7 Pcs. No.8 8 Pcs.

Emulsion 35x400 mm.: 76 + 47 = 123. No.4 8+3+9 Pcs. No.9 8 Pcs.

Oil: 76 L. Fly Rock: ☐ Yes ☒ No No.5 8+3+6 Pcs. No.10 8 Pcs.

Blast Pattern



Site Controller: _____

Blasting Report : Blast 1

Date: 4 / 2 / 69

Site Name: เขาใหญ่พัฒนา [Camel Island] Drilling M. : H3, H4, H5 Hole Size: 3.5 in.

Type of Work: ☒ Production 70 m (MSL) (Efficiency: Eff = 0.80) Stone Quantity: 15976 Ton.

☐ Mine Development m (MSL) ANFO: - Kg. - Pcs.

Type of Explosive: ☐ ANFO ☒ BLUK Bulk: 4016.04 Kg.

Number of Holes: Hole. Powder factor : 0.38 kg/BCM

Hole Depth: 10.5 m. 94 Hole. Non - Electric (Double det): 84 Pcs. (25/400ms15m)

Hole Depth: m. Hole. Surface Delay: 2 Pcs. (67ms12m)

Hole Depth: m. Hole. Electric Blasting Cap: 1 Pcs.

Hole Depth: m. Hole. No.1 1 Pcs. No.6 Pcs.

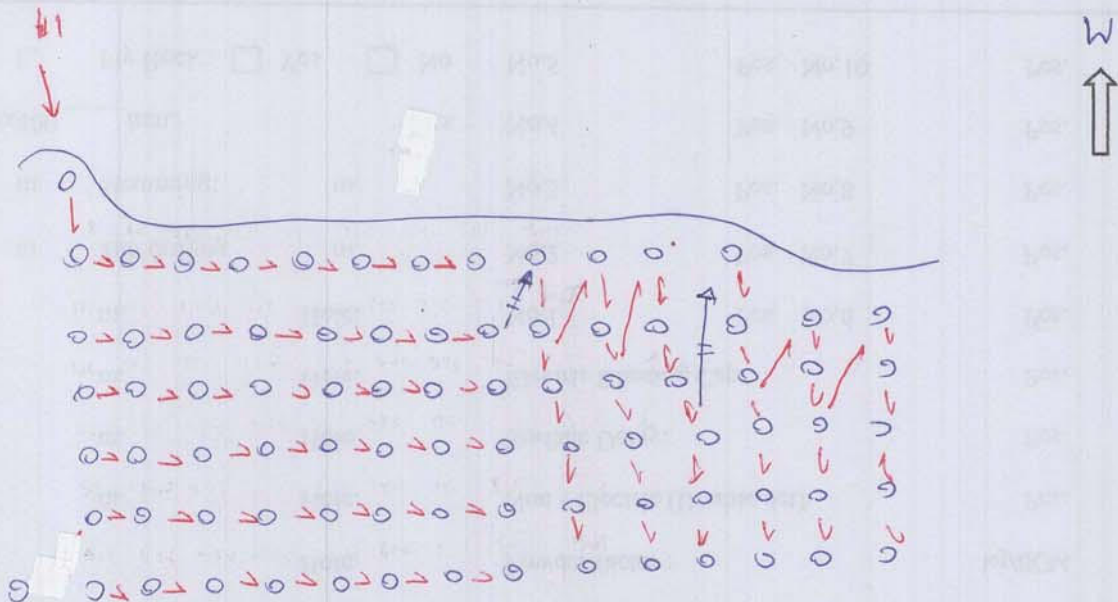
Burden: 3 m Sub drilling: 0.5 m. No.2 Pcs. No.7 Pcs.

Spacing: 3 m Stemming: 3.5, 3.6, 3.7m. No.3 Pcs. No.8 Pcs.

Emulsion 35x400 mm.: 168 + 42 = 210 Pcs. No.4 Pcs. No.9 Pcs.

Oil: - L. Fly Rock : ☐ Yes ☒ No No.5 Pcs. No.10 Pcs.

Blast Pattern



Site Controller: _____

Site Name: ☒ เขาใหญ่ ☐ ลานเลิศจิต Emulsion (35x400mm): 17+59 = 76 Pcs.
 Type of Work: ☒ Production 220 & 230 & 280 m (MSL) ANFO: 56+6 = 62 Pcs.
☐ Mine Development m (MSL) 1550 Kg.

Drilling M.: #5 & #3 & #4 Hole diameter 3.5" Oil: 124 Liter

Explosive: ☒ ANFO ☐ BLUK (25/400ms15m) Bulk: - Kg.

Hole depth: 3.5 m. 31+37 Hole.

Non - Electric (Double det): 59 Pcs.

Hole depth: 7.0 m. 53 Hole.

Surface Delay 67ms: 3 Pcs.

Hole depth: 0.25 m. 6 Hole.

Surface Delay 42ms: - Pcs.

Hole depth: m. Hole.

Electric Blasting Cap: 69 Pcs.

Number Of Holes: 127 Hole.

No.0 6 Pcs. No.6 6 Pcs.

Burden: 3 m. Sub drilling: 0.5 m.

No.1 6 Pcs. No.7 6 Pcs.

Spacing: 3.5 m. Stemming: 2.6 m.

No.2 6 Pcs. No.8 6 Pcs.

Total blasted rock: 10525.50 Ton (Eff = 0.80)

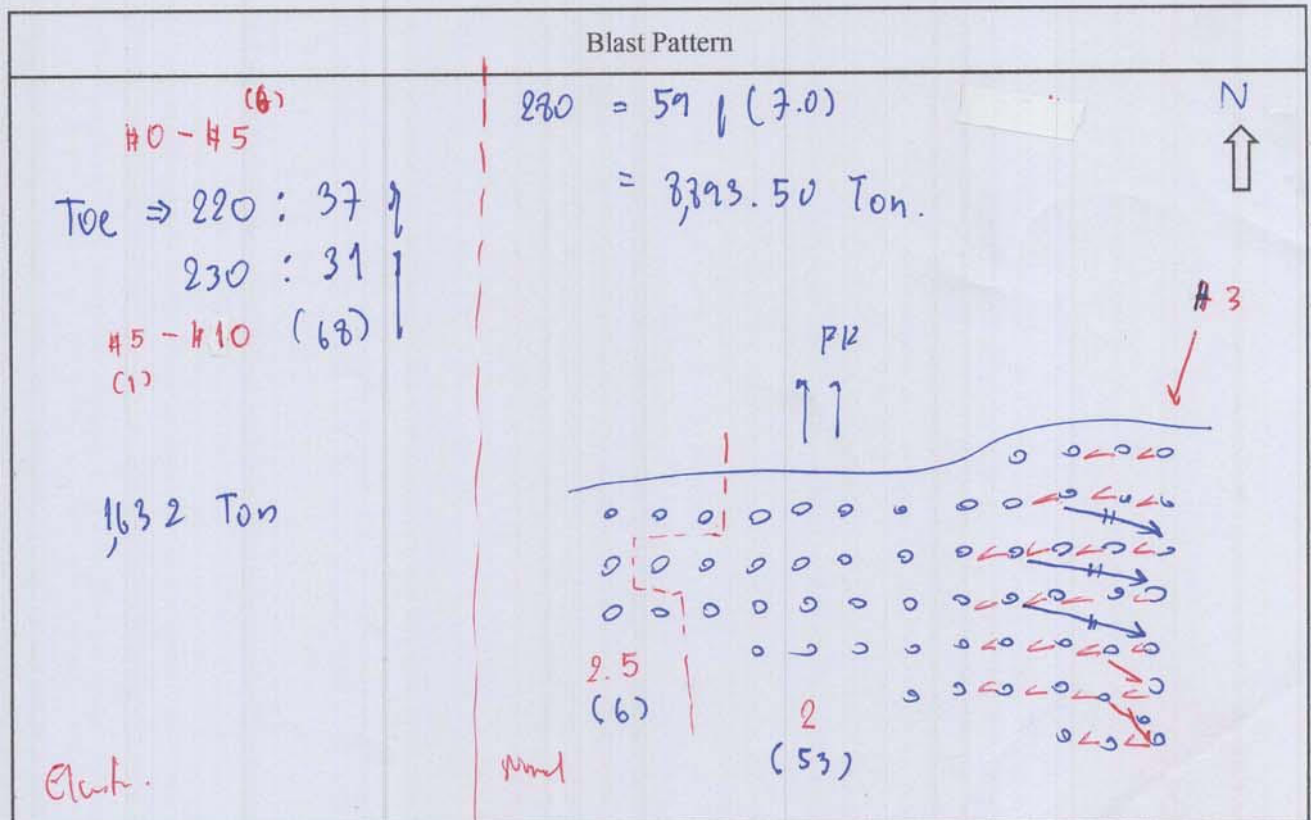
No.3 1+7 Pcs. No.9 6 Pcs.

Powder factor: 0.32 kg/bl

No.4 6 Pcs. No.10 6 Pcs.

Fly Rock: ☐ Yes ☒ No

No.5 7 Pcs.



Site Controller: _____

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 9

Date: 16 / 2 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเล็คจิต Drilling M.: #4, #5 Hole Size: 3.5 in.

Type of Work: ☒ Production 225 & 230 m (MSL) (Efficiency: Eff = 0.80) Stone Quantity: 3720.36 Ton.

☐ Mine Development m (MSL) ANFO: 650 Kg. 26 Pcs. (16)

Type of Explosive: ☒ ANFO ☐ BLUK Bulk: - Kg.

Number of Holes: 40 Hole. Powder factor : 0.36 kg/BCM

Hole Depth: 7 m. 26 Hole. Non - Electric (Double det): - Pcs. (25/ ms15m)

Hole Depth: 3.5 m. 14 Hole. Surface Delay: - Pcs. (67ms12m)

Hole Depth: m. Hole. Electric Blasting Cap: 40 Pcs.

Hole Depth: m. Hole. No.1 Pcs. No.6 6 Pcs.

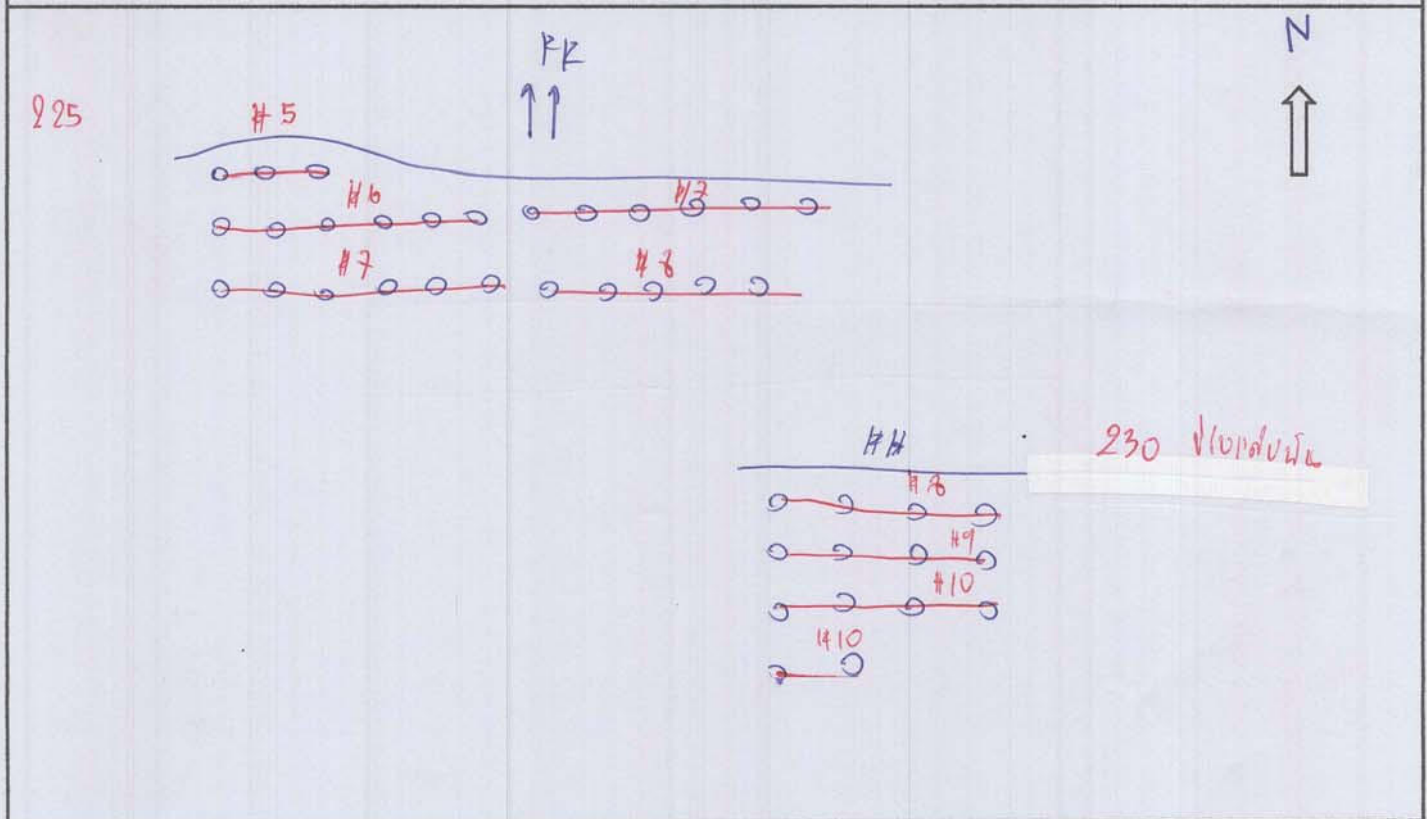
Burden: 3 m Sub drilling: 0.5 m. No.2 Pcs. No.7 12 Pcs.

Spacing: 3 m Stemming: 26, 2.8 m. (in) No.3 Pcs. No.8 9 Pcs.

Emulsion 35x400 mm.: 39 + 14 = 53 Pcs. No.4 Pcs. No.9 4 Pcs.

Oil: 52 L. Fly Rock: ☐ Yes ☒ No No.5 3 Pcs. No.10 6 Pcs.

Blast Pattern



Site Controller: _____

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 1

Date: 24 / 2 / 69

Site Name: ☐ เขาใหญ่ ☒ ลานเล็คจิต Drilling M.: 43 Hole Size: 3.5 in.

Type of Work: ☒ Production 70 m (MSL) (Efficiency; Eff = 0.80) Stone Quantity: 10872 Ton.

☐ Mine Development m (MSL) ANFO: 125 Kg. 5 Pcs.

Type of Explosive: ☒ ANFO ☒ BLUK Bulk: 2327.66 Kg.

Number of Holes: 123 Hole. Powder factor: 0.52 kg/BCM

Hole Depth: 10.5 m. 48 Hole. Non - Electric (Double det): 48 Pcs. (25/400ms15m)

Hole Depth: 3.5 m. 75 Hole. Surface Delay: 2 Pcs. (67ms12m)

Hole Depth: m. Hole. Electric Blasting Cap: 76 Pcs.

Hole Depth: m. Hole. No.1 1+7=8 Pcs. No.6 8 Pcs.

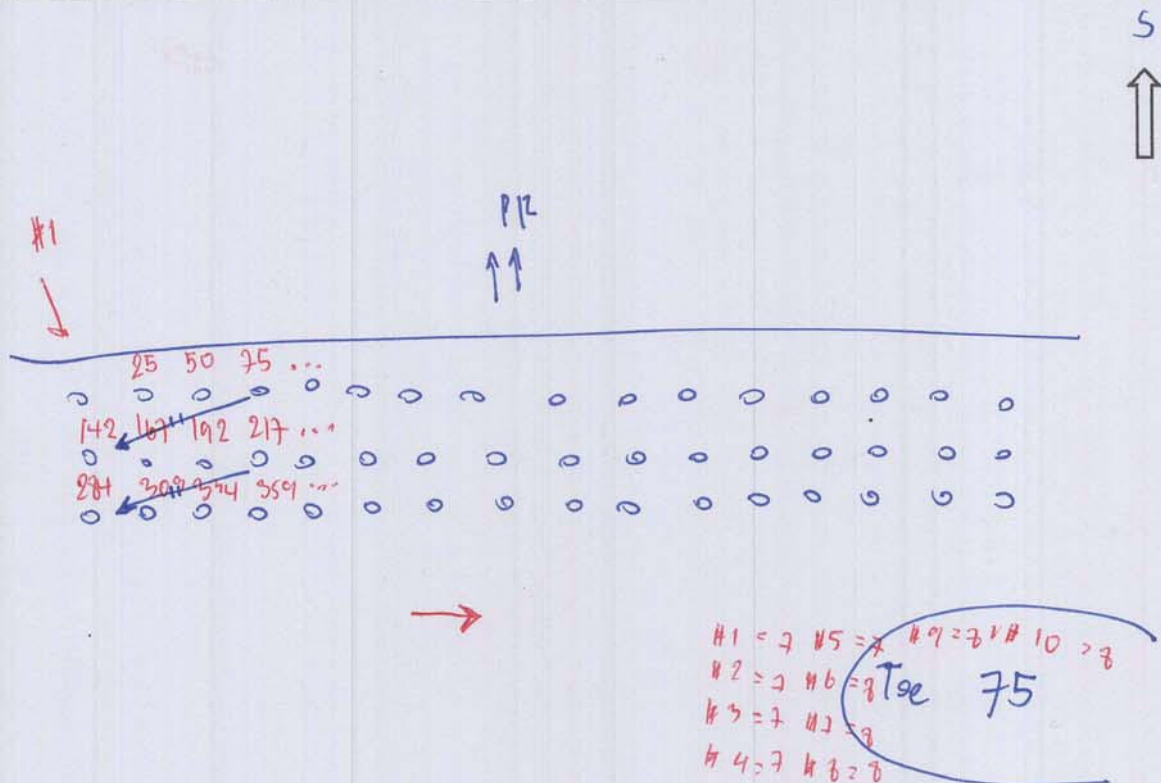
Burden: 3 m Sub drilling: 0.5 m. No.2 7 Pcs. No.7 8 Pcs.

Spacing: 3 m Stemming: 3.4 m. No.3 7 Pcs. No.8 8 Pcs.

Emulsion 35x400 mm.: 121 Pcs. No.4 7 Pcs. No.9 8 Pcs.

Oil: 10 L. Fly Rock: ☐ Yes ☐ No No.5 7 Pcs. No.10 8 Pcs.

Blast Pattern



Site Controller:

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 1

Date: 13 / 3 / 69

Site Name: ☐ เขาใหญ่ ☒ ลานเลิศจิต Emulsion (35x400mm): 39+19+5 = 62 Pcs.

Type of Work: ☒ Production 60 m (MSL) ANFO: - Pcs.

☐ Mine Development m (MSL) ANFO: - Kg.

Drilling M.: 13, 14 Hole diameter: 3.5" Oil: - Liter

Explosive: ☐ ANFO ☒ BLUK (25/400ms15m) Bulk: 2395.96 Kg.

Hole depth: 14 m. 21 Hole.

Hole depth: 10.5 m. 14 Hole.

Hole depth: 3.5 m. 15 Hole.

Hole depth: m. Hole.

Number Of Holes: 53 Hole.

Burden: 3 m. Sub drilling: 0.5 m.

Spacing: 3 m. Stemming: 3.4 m.

Total blasted rock: 8865 Ton (Eff = 0.80)

Powder factor: 0.55 kg/BCM

Fly Rock: ☐ Yes ☒ No

Non - Electric (Double det): 53 Pcs.

Surface Delay 67ms: 9 Pcs.

Surface Delay 42ms: - Pcs.

Electric Blasting Cap: 1 Pcs.

No.0 Pcs. No.6 Pcs.

No.1 Pcs. No.7 Pcs.

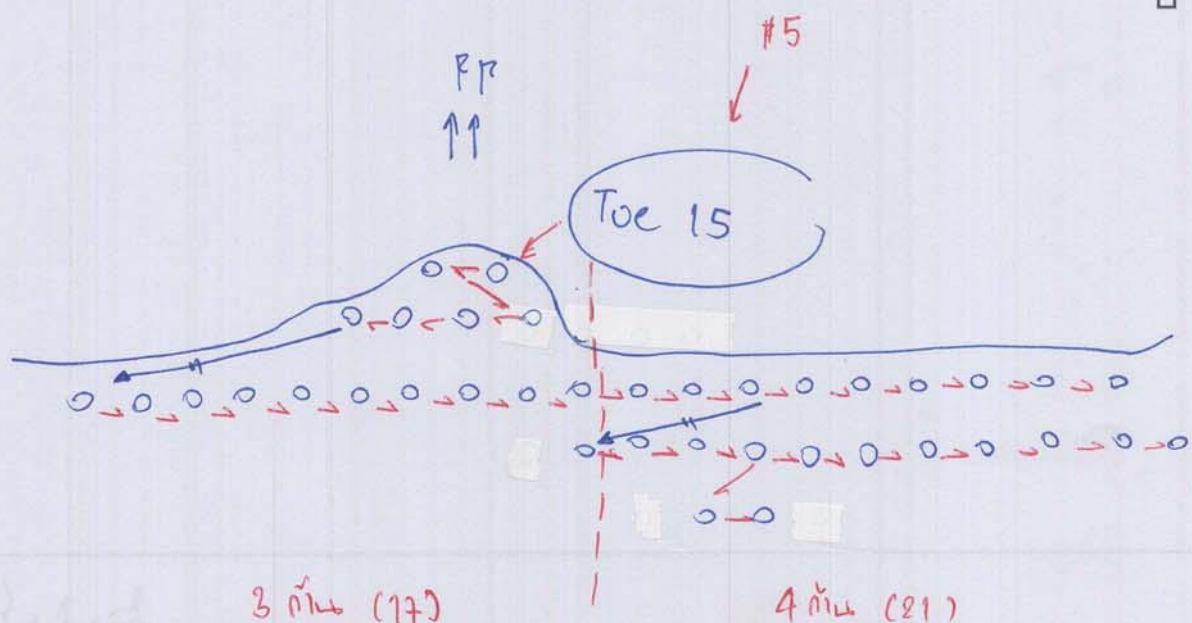
No.2 Pcs. No.8 Pcs.

No.3 Pcs. No.9 Pcs.

No.4 Pcs. No.10 Pcs.

No.5 1 Pcs.

Blast Pattern



Site Controller: 12/8

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 2

Date: 94 / 3 / 69

Site Name: ☐ เขาใหญ่ ☒ ลานเล็คจิต Emulsion (35x400mm): 15 Pcs.
 Type of Work: ☒ Production 60 m (MSL) ANFO: 3 Pcs.
☐ Mine Development m (MSL) 25 Kg.

Drilling M.: 4 Hole diameter: 3.5" Oil: 6 Liter

Explosive: ☒ ANFO ☐ BLUK (25/400ms15m) Bulk: - Kg.

Hole depth: 9.5 m. 45 Hole.	Non - Electric (Double det): - Pcs.
Hole depth: m. Hole.	Surface Delay 67ms: - Pcs.
Hole depth: m. Hole.	Surface Delay 42ms: - Pcs.
Hole depth: m. Hole.	
Number Of Holes: 45 Hole.	

Burden: m. Sub drilling: m.
 Spacing: m. Stemming: m.
 Total blasted rock: 1200 Ton (Eff = 0.80)
 Powder factor: 0.15 kg/BCM
 Fly Rock: ☐ Yes ☒ No

Electric Blasting Cap: 45 Pcs.	
No.0 Pcs.	No.6 5 Pcs.
No.1 5 Pcs.	No.7 5 Pcs.
No.2 5 Pcs.	No.8 5 Pcs.
No.3 5 Pcs.	No.9 5 Pcs.
No.4 5 Pcs.	No.10 Pcs.
No.5 5 Pcs.	

Blast Pattern



บัก Toe 36 บอ นล. จันทน 45 f

#1 - 19 = 5

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 2-3

Date: 27 / 3 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเล็คจิต

Emulsion (35x400mm) : 26+13+14+7+25 Pcs.

Type of Work: ☒ Production 220-230 m (MSL)

ANFO : 58+7+5+5 Pcs.

☐ Mine Development _____ m (MSL)

Oil : 1375 Kg.

Drilling M. : 15 Hole diameter : 3.5"

Bulk : 150 Liter

Explosive: ☒ ANFO ☐ BLUK

(25/400ms15m) Bulk : - Kg.

Hole depth : 14 m. 26 Hole.

Non - Electric (Double det): - Pcs.

Hole depth : 7 m. 7 Hole.

Surface Delay 67ms : - Pcs.

Hole depth : 5.25 m. 7 Hole.

Surface Delay 42ms : - Pcs.

Hole depth : 3.5 m. 75 Hole.

Number Of Holes : 115 Hole.

Electric Blasting Cap: 115 Pcs.

Burden: 3 m. Sub drilling: 0.5 m.

No.0 11 Pcs. No.6 6 Pcs.

Spacing: 3 m. Stemming: 3 m.

No.1 12 Pcs. No.7 3 Pcs.

Total blasted rock : 9895.50 Ton (Eff = 0.80)

No.2 11 Pcs. No.8 10 Pcs.

Powder factor : 0.30 kg/BCM

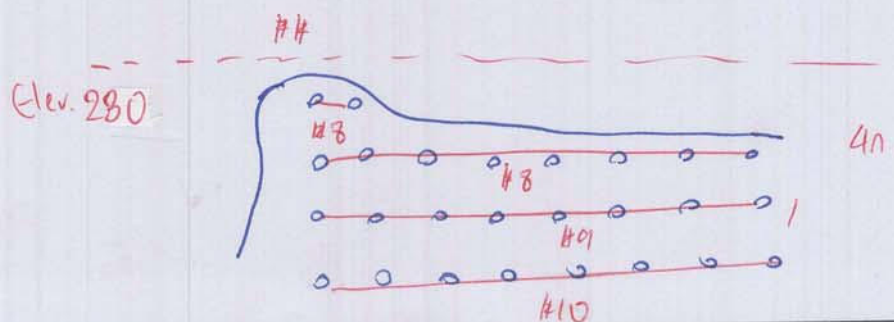
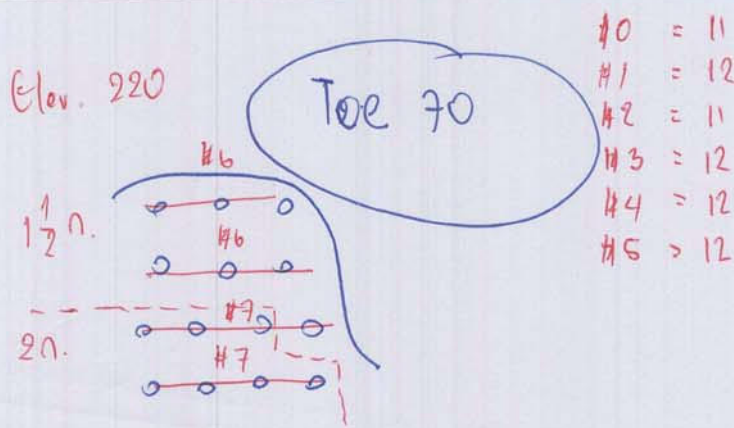
No.3 12 Pcs. No.9 8 Pcs.

Fly Rock : ☐ Yes ☒ No

No.4 12 Pcs. No.10 13 Pcs.

No.5 12 Pcs.

Blast Pattern



Site Controller : _____

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 1

Date: 7 / 4 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเลิศจิต Emulsion (35x400mm): 20 Pcs.

Type of Work: ☐ Production _____ m (MSL) ANFO: 4 Pcs.

☒ Mine Development 320 m (MSL) ANFO: 100 Kg.

Drilling M.: 15 Hole diameter: 3.5" Oil: 8 Liter

Explosive: ☒ ANFO ☐ BLUK (25/400ms15m) Bulk: - Kg.

Hole depth: 3.5 m. 40 Hole. Non - Electric (Double det): - Pcs.

Hole depth: _____ m. _____ Hole. Surface Delay 67ms: - Pcs.

Hole depth: _____ m. _____ Hole. Surface Delay 42ms: - Pcs.

Hole depth: _____ m. _____ Hole.

Number Of Holes: 40 Hole.

Burden: _____ m. Sub drilling: _____ m.

Spacing: _____ m. Stemming: _____ m.

Total blasted rock: 960 Ton (Eff = 0.80)

Powder factor: 0.23 kg/BCM

Fly Rock: ☐ Yes ☒ No

Electric Blasting Cap: 40 Pcs.

No.0 _____ Pcs. No.6 _____ Pcs.

No.1 8 Pcs. No.7 8 Pcs.

No.2 _____ Pcs. No.8 _____ Pcs.

No.3 8 Pcs. No.9 8 Pcs.

No.4 _____ Pcs. No.10 _____ Pcs.

No.5 8 Pcs.

Blast Pattern



เขาแร่เปิด งานพัฒนาทำทาง Elev. 320 Toe + Crest 40 Hole.

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่: Blast 4

Date: 21 / 4 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเลิศจิต Emulsion (35x400mm): 10 Pcs.

Type of Work: ☐ Production _____ m (MSL) ANFO: 2 Pcs.

☒ Mine Development 320 m (MSL) 50 Kg.

Drilling M.: 30 Hole diameter: 3.5" Oil: 4 Liter

Explosive: ☒ ANFO ☐ BLUK (25/400ms15m) Bulk: _____ Kg.

Hole depth: 3.5 m. 30 Hole.

Hole depth: _____ m. _____ Hole.

Hole depth: _____ m. _____ Hole.

Hole depth: _____ m. _____ Hole.

Number Of Holes: _____ Hole.

Non - Electric (Double det): _____ Pcs.

Surface Delay 67ms: _____ Pcs.

Surface Delay 42ms: _____ Pcs.

Electric Blasting Cap: _____ Pcs.

No.0 _____ Pcs. No.6 6 Pcs.

No.1 _____ Pcs. No.7 6 Pcs.

No.2 _____ Pcs. No.8 6 Pcs.

No.3 _____ Pcs. No.9 6 Pcs.

No.4 _____ Pcs. No.10 6 Pcs.

No.5 _____ Pcs.

Burden: _____ m. Sub drilling: _____ m.

Spacing: _____ m. Stemming: _____ m.

Total blasted rock: _____ Ton (Eff = 0.80)

Powder factor: _____ kg/BCM

Fly Rock: ☐ Yes ☒ No

Blast Pattern



TOE = 30

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 1-2

Date: 22 / 4 / 69

Site Name: ☐ เขาใหญ่ ☒ ลานเลิศจิต Emulsion (35x400mm): 28+16+10 = 54 Pcs.

Type of Work: ☒ Production 50-60 m (MSL) ANFO: - Pcs.

☐ Mine Development m (MSL) ANFO: - Kg.

Drilling M.: 113, #5 Hole diameter: 3.5" Oil: - Liter

Explosive: ☐ ANFO ☒ BLUK (25/400ms15m) Bulk: 1266.28 Kg.

Hole depth: 10.5 m. 14 Hole. Non - Electric (Double det): 49 Pcs.

Hole depth: 8.75 m. 16 Hole. Surface Delay 67ms: 1 Pcs.

Hole depth: 3.5 m. 20 Hole. Surface Delay 42ms: - Pcs.

Hole depth: m. Hole. Electric Blasting Cap: 3 Pcs.

Number Of Holes: 50 Hole. No.0 1 Pcs. No.6 Pcs.

Burden: 3 m. Sub drilling: 0.5 m. No.1 Pcs. No.7 Pcs.

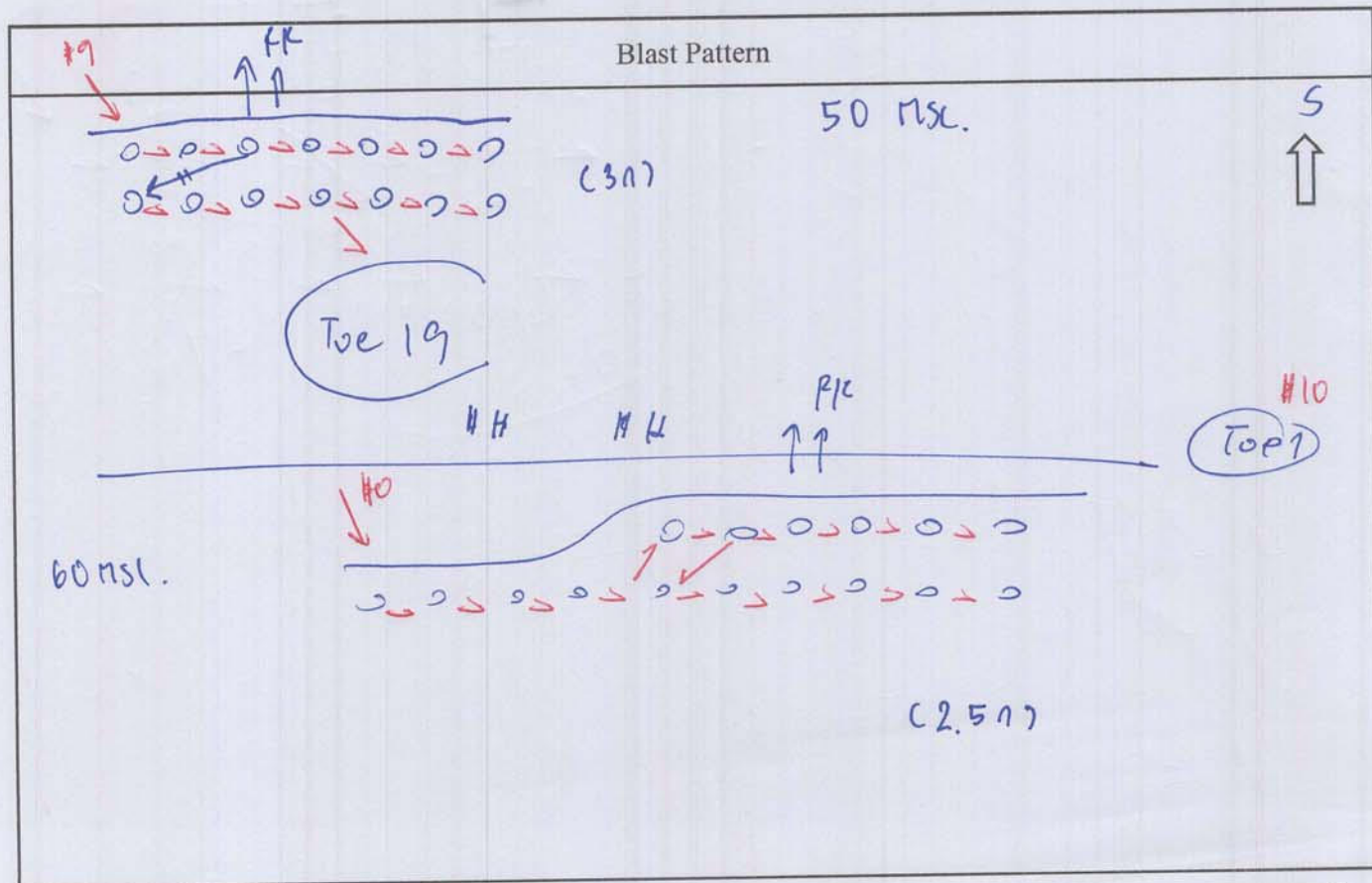
Spacing: 3 m. Stemming: 3.4 & 4.0 m. No.2 Pcs. No.8 Pcs.

Total blasted rock: 5646 Ton (Eff = 0.80) No.3 Pcs. No.9 1 Pcs.

Powder factor: 0.47 kg/BCM No.4 Pcs. No.10 1 Pcs.

Fly Rock: ☐ Yes ☒ No No.5 Pcs.

Blast Pattern



Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 2

Date: 7 / 5 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเลิศจิต Emulsion (35x400mm): 35+1=36 Pcs.

Type of Work: ☒ Production 210 m (MSL) ANFO: 56 Pcs.

☐ Mine Development _____ m (MSL) Oil: 1400 Kg.

Drilling M.: #5 Hole diameter 3.5" Oil: 112 Liter

Explosive: ☒ ANFO ☐ BLUK (25/400ms15m) Bulk: - Kg.

Hole depth: 10.5 m. 34 Hole.

Hole depth: 3.5 m. 5 Hole.

Hole depth: 7 m. 1 Hole.

Hole depth: _____ m. _____ Hole.

Number Of Holes: 40 Hole.

Burden: 3 m. Sub drilling: 0.5 m.

Spacing: 3.5 m. Stemming: 2.7 m.

Total blasted rock: 7337.50 Ton (Eff = 0.80) kg/bl

Powder factor: 0.36 M

Fly Rock: ☐ Yes ☒ No

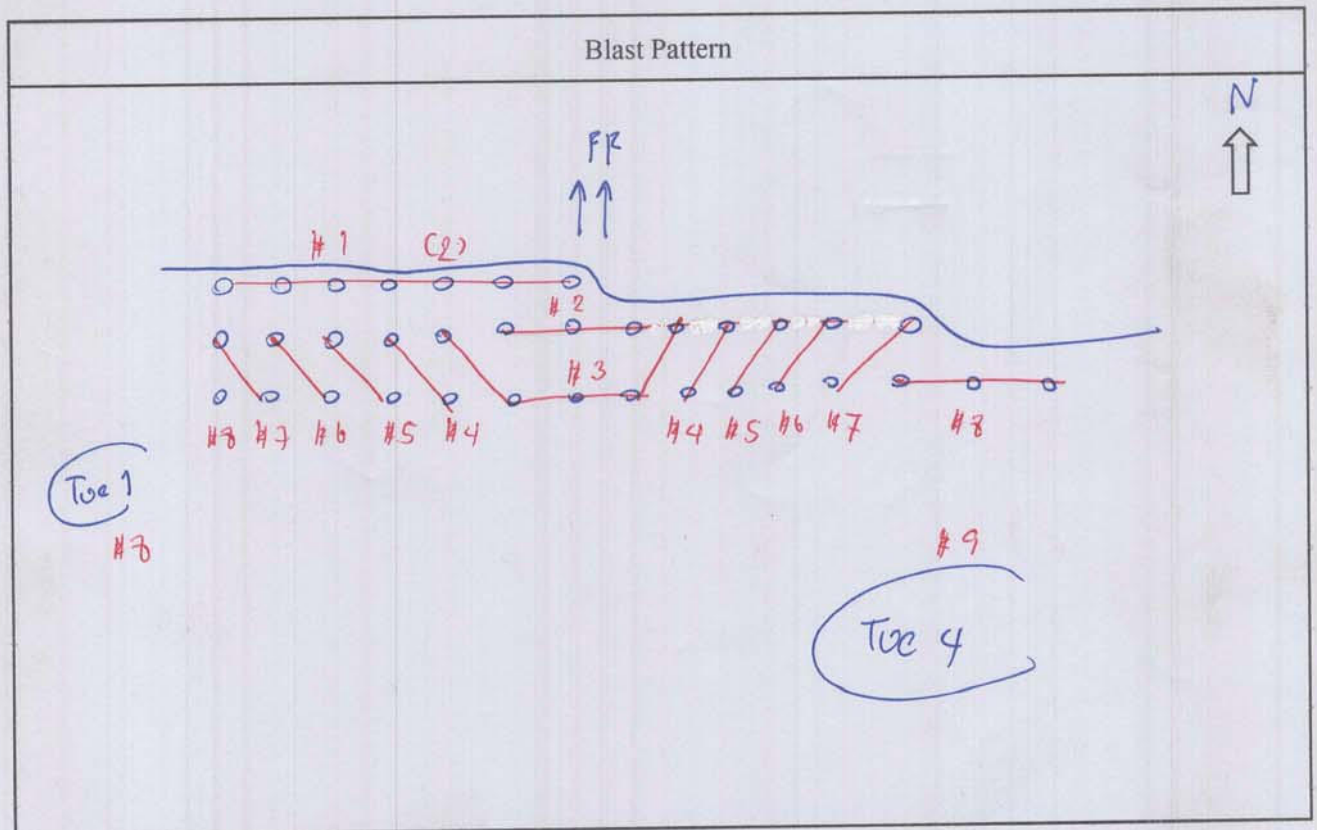
Non - Electric (Double det): - Pcs.

Surface Delay 67ms: - Pcs.

Surface Delay 42ms: - Pcs.

Electric Blasting Cap: 40 Pcs.

No.0 _____ Pcs.	No.6 4 Pcs.
No.1 7 Pcs.	No.7 4 Pcs.
No.2 3 Pcs.	No.8 5 Pcs.
No.3 5 Pcs.	No.9 4 Pcs.
No.4 4 Pcs.	No.10 _____ Pcs.
No.5 4 Pcs.	



Site Controller: _____

Site Name:

☒ เขาใหญ่☐ ลานเลิศจิต

Emulsion (35x400mm):

^{(5) (3)} 8+1 = 9

Pcs.

Type of Work:

☒ Production

200

m (MSL)

ANFO:

4

Pcs.

☐ Mine Development

m (MSL)

100

Kg.

Drilling M.: 44

Hole diameter: 3.5"

Oil:

8

Liter

Explosive:

☒ ANFO☐ BLUK

(25/400ms15m)

Bulk:

-

Kg.

Hole depth: 3.5 m. 43 Hole.

Non - Electric (Double det):

-

Pcs.

Hole depth: m. Hole.

Surface Delay 67ms:

-

Pcs.

Hole depth: m. Hole.

Surface Delay 42ms:

-

Pcs.

Hole depth: m. Hole.

Electric Blasting Cap:

43

Pcs.

Number Of Holes: 43 Hole.

No.0 Pcs.

No.6 Pcs.

Burden: 2 m. Sub drilling: 0.5 m.

No.1 8 Pcs.

No.7 8 Pcs.

Spacing: 2 m. Stemming: 2.5 m.

No.2 Pcs.

No.8 Pcs.

Total blasted rock: 1032 Ton (Eff = 0.80)

No.3 9 Pcs.

No.9 9 Pcs.

Powder factor: 0.22 kg/BCM

No.4 Pcs.

No.10 Pcs.

Fly Rock:

☐ Yes☒ No

No.5 9 Pcs.

Blast Pattern



Toe Elev. 200 = 43 g

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 1-2-3

Date: 10 / 6 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเล็คจิต Emulsion (35x400mm): 26+2 = 28 Pcs.
 Type of Work: ☒ Production 190, 200, 205 m (MSL) ANFO: 48 Pcs.
☐ Mine Development _____ m (MSL) Oil: 1200 Kg.

Drilling M.: #3 #4 #5 Hole diameter: 3.5" (25/400ms15m) Bulk: - Kg.
 Explosive: ☐ ANFO ☐ BLUK

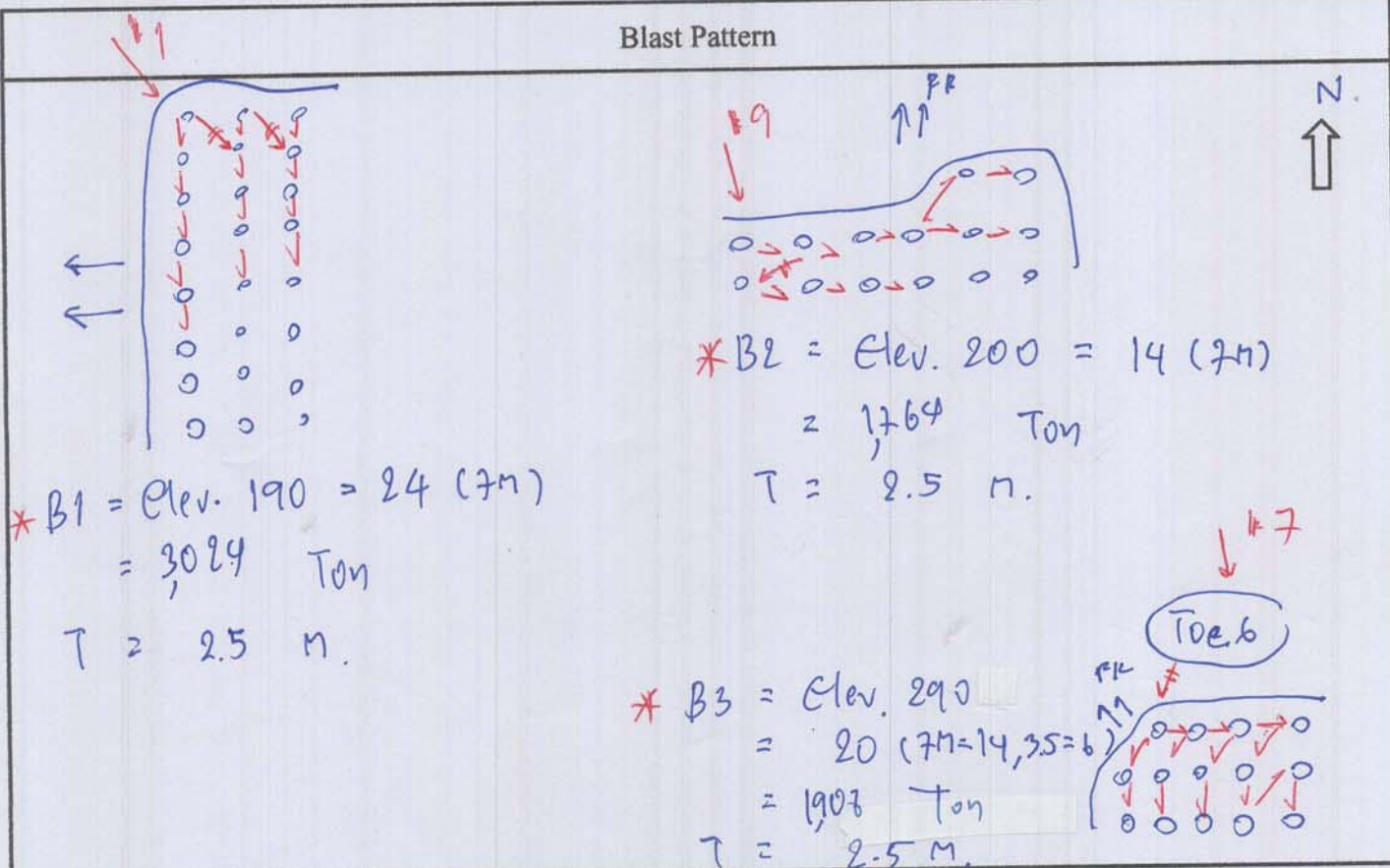
Hole depth: 7 m. 24 Hole.
 Hole depth: 7 m. 14 Hole.
 Hole depth: 7 m. 14 Hole.
 Hole depth: 3.5 m. 6 Hole.
 Number Of Holes: 58 Hole.

Burden: 3 m. Sub drilling: 0.5 m.
 Spacing: 3 m. Stemming: 2.5 m.
 Total blasted rock: 6696 Ton (Eff = 0.80)
 Powder factor: 0.36 kg/BCM
 Fly Rock: ☐ Yes ☒ No

Non - Electric (Double det): 58 Pcs.
 Surface Delay 67ms: - Pcs.
 Surface Delay 42ms: - Pcs.

Electric Blasting Cap: 3 Pcs.
 No.0 _____ Pcs. No.6 _____ Pcs.
 No.1 1 Pcs. No.7 1 Pcs.
 No.2 _____ Pcs. No.8 _____ Pcs.
 No.3 _____ Pcs. No.9 1 Pcs.
 No.4 _____ Pcs. No.10 _____ Pcs.
 No.5 _____ Pcs.

Blast Pattern



Date: 11 / 6 / 69

Emulsion (35x400mm): 14 + 1 = 15 Pcs.

27 Pcs.

ANFO : 675 Kg.

Oil : 54 Liter

(25/400ms15m) Bulk : - Kg.

Non - Electric (Double det): 28 Pcs.

Surface Delay 67ms : - Pcs.

Surface Delay 42ms : - Pcs.

Electric Blasting Cap:	4	Pcs.
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No.0 ↑ Pcs. No.6 _____ Pcs.

No.1 1 Pcs. No.7 1 Pcs.

No.2 Pcs. No.8 Pcs.

No.3 Pcs. No.9 Pcs.

No.4	Pcs.	No.10	Pcs.
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No.5	Pcs.
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A hand-drawn diagram showing a water table profile. A blue line represents the water table, which is higher on the right side and lower on the left side. Above the water table, there are two upward-pointing arrows labeled '12/7'. To the left of the water table, there is a downward-pointing arrow labeled '#7'. Below the water table, there are several horizontal arrows pointing from left to right, indicating the direction of groundwater flow. Some of these arrows are red, and some are blue. There are also some red arrows pointing upwards towards the water table, indicating recharge.

Don't know 3 f

Blasting Report - เขาใหญ่ พัฒนาเหมืองแร่ : Blast 1-2

Date: 22 / 6 / 69

Site Name: ☒ เขาใหญ่ ☐ ลานเลศจิต

Emulsion (35x400mm): 12 + 10 = 22 Pcs.

Type of Work: ☒ Production 190 & 210 m (MSL)

ANFO: 31 + 3 = 34 Pcs.

☐ Mine Development m (MSL)

Oil: 850 Kg.

Drilling M.: #3 #4 #5 Hole diameter: 3.5"

Bulk: - Liter

Explosive: ☒ ANFO ☐ BLUK

(25/400ms15m) Bulk: - Kg.

Hole depth: 7 m. 35 Hole.

Non - Electric (Double det): 35 Pcs.

Hole depth: 3.5 m. 30 Hole.

Surface Delay 67ms: 1 Pcs.

Hole depth: m. Hole.

Surface Delay 42ms: - Pcs.

Hole depth: m. Hole.

Electric Blasting Cap: 31 Pcs.

Number Of Holes: 65 Hole.

No.0 Pcs. No.6 Pcs.

Burden: 3.5 m. Sub drilling: 0.5 m.

No.1 6 Pcs. No.7 6 Pcs.

Spacing: 3.3 m. Stemming: 2.8 m.

No.2 Pcs. No.8 Pcs.

Total blasted rock: 6379.50 Ton (Eff = 0.80)

No.3 6 Pcs. No.9 6 Pcs.

Powder factor: 0.29 kg/BCM

No.4 Pcs. No.10 Pcs.

Fly Rock: ☐ Yes ☒ No

No.5 1 + 6 Pcs.

Blast Pattern

Glav. 2W = 30 (1ก้าน)
= 720 Ton

7ก้าน.

Toe 30

* ปัดกระเด็นใน พ. Toe ทำการ

Elev. 190 = 35 (2ก้าน)
= 5659.50 Ton.

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Nonulo

#5

PP

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