

เอกสารแนบ 12
สำเนาใบอนุญาตของพัสดุขุดมการระเบิด
และเอกสารบันทึกการระเบิด

Blast Name: Blast 2

Date: 27/8/66

Site Name: ในทุ่งหญ้า

Hole Size: in.

Stone Quantity: 6092.40 Ton.

Drilling Date: #3, #4

Blast Date: 21/8/66

Type of Explosive: ☒ ANFO ☐ BLUK

Number of Holes: 39

Hole Depth: 7 m.

Hole Depth: 10.5 m.

Hole Depth: 3 m.

Hole Depth: 3 m.

Burden: 3 m

Spacing: 0.3 m

Emulsion: 35x400 mm.

Oil: 66 L.

Powder factor: 0.21

Non - Electric (Double det): 39

Surface Delay: 3

Electric Blasting Cap: 1

No.1 Pes. No.6

No.2 Pes. No.7

No.3 Pes. No.8

No.4 Pes. No.9

No.5 Pes. No.10

kg/BCM

Pes.

Pes.

Pes.

Pes.

Pes.

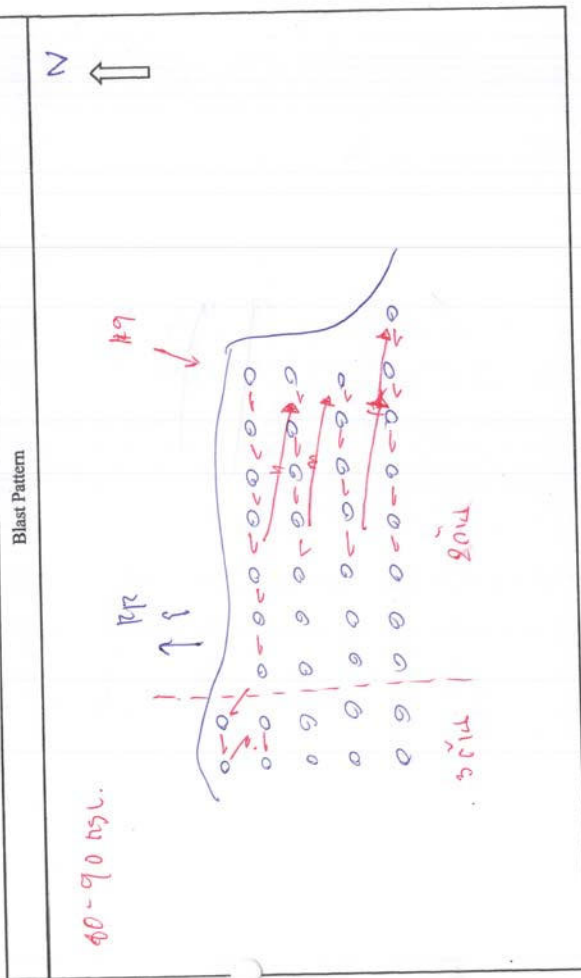
Pes.

Pes.

Pes.

Pes.

Pes.



Site Controller: _____

Blast Name: Blast 3

Date: 27/8/68

Site Name: ในทุ่งหญ้า

Hole Size: in.

Stone Quantity: 5063.20 Ton.

Drilling Date: #3, #6

Blast Date: 21/8/68

Type of Explosive: ☒ ANFO ☐ BLUK

Number of Holes: 39

Hole Depth: 7 m.

Hole Depth: 525 m.

Hole Depth: 3.5 m.

Hole Depth: 3 m.

Burden: 3.3 m

Spacing: 3.5 m

Emulsion: 35x400 mm.

Oil: 50 L.

Powder factor: 0.22

Non - Electric (Double det): 39

Surface Delay: 1

Electric Blasting Cap: 39

No.1 Pes. No.6

No.2 Pes. No.7

No.3 Pes. No.8

No.4 Pes. No.9

No.5 Pes. No.10

kg/BCM

Pes.

Pes.

Pes.

Pes.

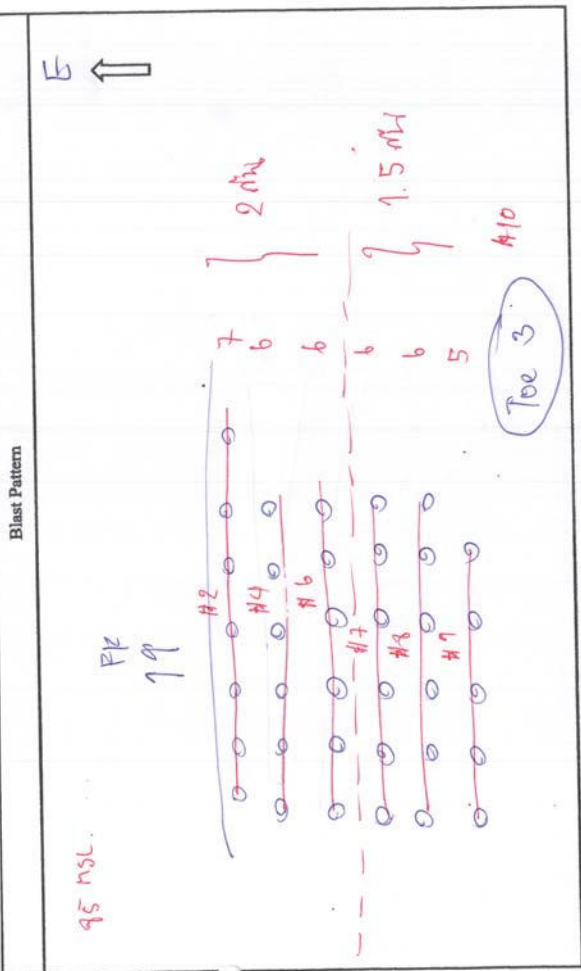
Pes.

Pes.

Pes.

Pes.

Pes.



Site Controller: _____

Blast Name: Plot 1

Site Name: 1st Wing

Drilling Date: #3, #4

Blast Date: 9/10/10

Date: 20/10/10

Hole Size: 3.5 in.

Stone Quantity: 9633 Ton.

ANFO: 25 Pcs.

Bulk: 0.34 kg/BCM

Type of Explosive: ☒ ANFO ☐ BLUK

Number of Holes: 59 Holes

Hole Depth: 7 m. 93 Holes

Hole Depth: 102 m. 62 Holes

Hole Depth: 3 m. 58 Holes

Hole Depth: 3 m. 5 Holes

Burden: 2.5 m Sub drilling 0.5 m.

Spacing: 3 m Stemming: 2.5 m.

Emulsion 35x400 mm. 45 Pcs.

Oil: 50 L. Electric Wire: 13 Pcs.

Powder factor:

Non - Electric (Double det):

Surface Delay:

Electric Blasting Cap:

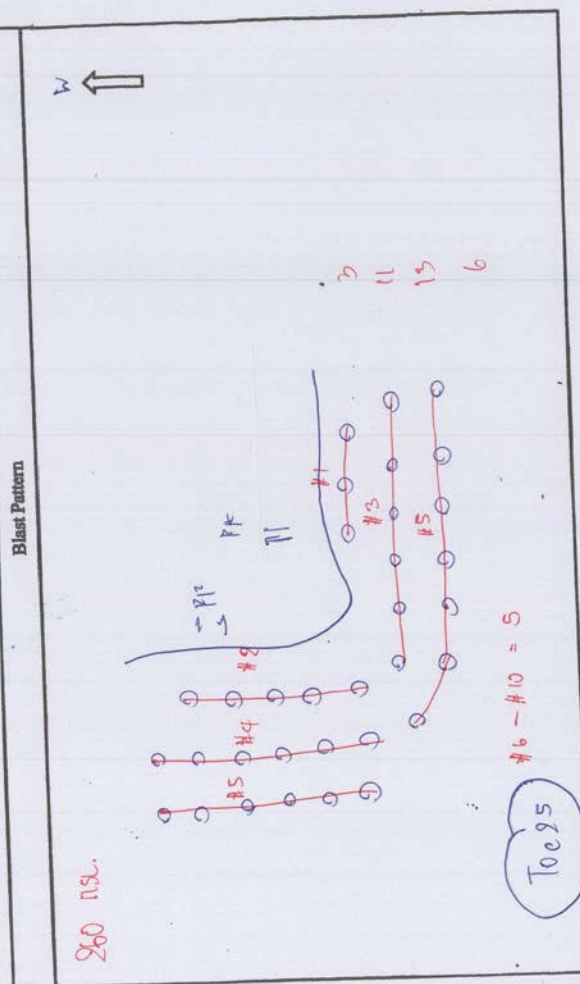
No.1 3 Pcs. No.6 5 Pcs.

No.2 5 Pcs. No.7 5 Pcs.

No.3 6 Pcs. No.8 5 Pcs.

No.4 6 Pcs. No.9 5 Pcs.

No.5 13 Pcs. No.10 5 Pcs.



Blast Name: Plot 1

Site Name: 1st Wing

Drilling Date: #3, #4

Blast Date: 9/10/10

Date: 22/10/10

Hole Size: 3.5 in.

Stone Quantity: 5110 Ton.

ANFO: 33 Pcs.

Bulk: 0.33 kg/BCM

Type of Explosive: ☒ ANFO ☐ BLUK

Number of Holes: 45 Holes

Hole Depth: 7 m. 10 Holes

Hole Depth: 102 m. 2 Holes

Hole Depth: 3 m. 45 Holes

Hole Depth: 3 m. 10 Holes

Burden: 3 m Sub drilling 0.5 m.

Spacing: 3 m Stemming: 3 m.

Emulsion 35x400 mm. 92 Pcs.

Oil: 66 L. Electric Wire: 92 Pcs.

Powder factor:

Non - Electric (Double det):

Surface Delay:

Electric Blasting Cap:

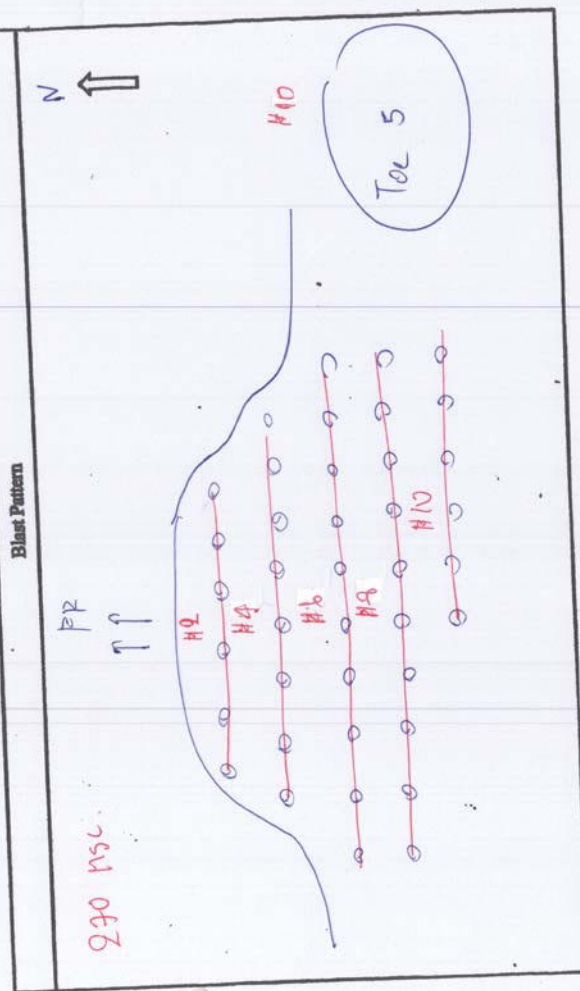
No.1 6 Pcs. No.6 10 Pcs.

No.2 6 Pcs. No.7 10 Pcs.

No.3 8 Pcs. No.8 10 Pcs.

No.4 8 Pcs. No.9 11 Pcs.

No.5 11 Pcs. No.10 11 Pcs.



Date: 6 / 12 / 68

Blast Name: Blast 3

Site Name: เขื่อนใหญ่พัฒนา
Drilling M.: #4, #5
Blast S.: 916666, 240 MSL.

Hole Size: 3.5 in.
Stone Quantity: 5572 Ton.
ANFO: 34 Pes.
Bulk: - Kg.

Type of Explosive: ☒ ANFO ☐ BLUK
Number of Holes: 62

Powder factor: kg/BCM

Non - Electric (Double det): Pes.

Surface Delay: Pes.

Electric Blasting Cap: Pes.

No.1 Pes. No.6 4

No.2 Pes. No.7 5

No.3 Pes. No.8 5

No.4 Pes. No.9 5

No.5 Pes. No.10 5

Hole Depth: 7 m.

Hole Depth: 42 m.

Hole Depth: 20 m.

Hole Depth: Toe

Hole Depth: m.

Hole Depth: m.

Burden: 3 m

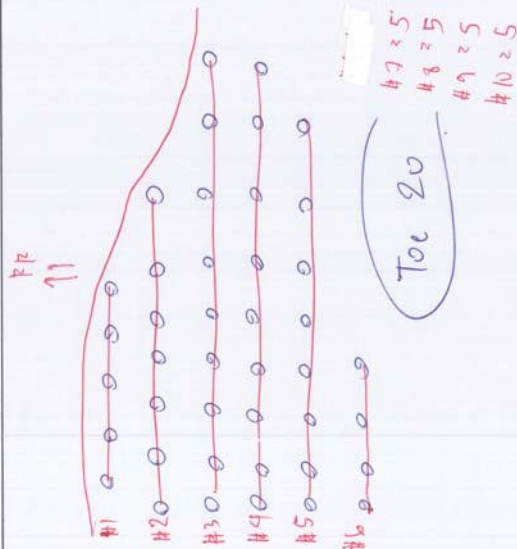
Spacing: 3 m

Emulsion 35x400 mm.

Oil: 68 L. Fly Rock: 80

Blast Pattern

N ↑



Site Controller: _____

Date: 21 / 11 / 68

Hole Size: in.
Stone Quantity: 10,187.10 Ton.
ANFO: Pes.
Bulk: 2942.49 Kg.

Powder factor: 0.45 kg/BCM

Non - Electric (Double det): 49 Pes.

Surface Delay: 3 Pes.

Electric Blasting Cap: 1 Pes.

No.1 Pes. No.6 1

No.2 Pes. No.7 1

No.3 Pes. No.8 1

No.4 Pes. No.9 1

No.5 Pes. No.10 1

Hole Depth: 49 m.

Hole Depth: 49 m.

Hole Depth: 49 m.

Hole Depth: 49 m.

Burden: 3 m

Spacing: 3.3 m

Emulsion 35x400 mm.

Oil: 122 L. Fly Rock: _____

Blast Pattern

E ↑



Site Controller: _____

Blast Name: Blast 3

Date: 25/12/68

Site Name: เขื่อนห้วยหลวง

Hole Size: 3.5 in.

Drilling M.: #4

Stone Quantity: 1541.88 Ton.

Blast S.: 900m, 250 MSL.

Type of Explosive: ☒ ANFO ☐ BLUK

Number of Holes: 56 Hole.

Hole Depth: 3.5 m. 43 Hole. 40 Pes.

Hole Depth: Toe m. 13 Hole. 9 Pes.

Hole Depth: m. Hole. Pes.

Hole Depth: m. Hole. Pes.

Burden: 2.5 m Sub drilling 0.5 m. 9 Pes.

Spacing: 3 m Stemming: 2.7 m. 6 Pes.

Emulsion 35x400 mm. 40 Pes.

Oil: 12 L. Fly Rock: No

Powder factor: 0.18 kg/BCM

Non - Electric (Double det): Pes.

Surface Delay: Pes.

Electric Blasting Cap: 56 Pes.

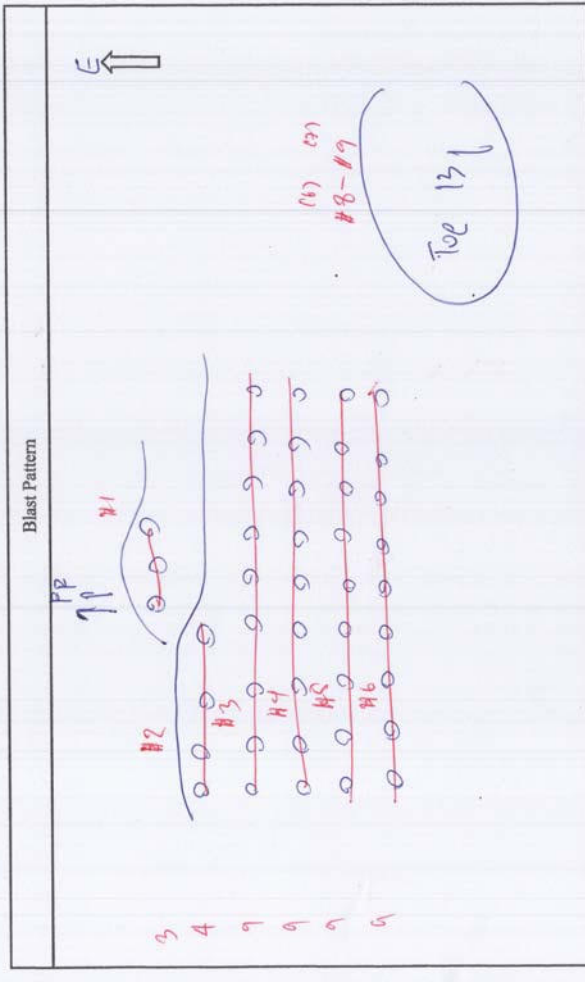
No.1 3 Pes. No.6 9 Pes.

No.2 4 Pes. No.7 Pes.

No.3 9 Pes. No.8 6 Pes.

No.4 9 Pes. No.9 7 Pes.

No.5 9 Pes. No.10 Pes.



Site Controller: _____

Blast Name: Blast 1-2

Date: 16/12/68

Site Name: เขื่อนห้วยหลวง

Hole Size: 3.5 in.

Drilling M.: #3, #4

Stone Quantity: 9706.15 Ton.

Blast S.: 900m, 70 MSL.

Type of Explosive: ☐ ANFO ☒ BLUK

Number of Holes: 93 Hole.

Hole Depth: 10.5 m. 29 Hole. 56 + 14 = 70 Pes.

Hole Depth: 10.5 m. 44 Hole. 132 Pes.

Hole Depth: m. Hole. Pes.

Hole Depth: m. Hole. Pes.

Burden: 3.3 m Sub drilling 0.5 m. 2 Pes.

Spacing: 3.5 m Stemming: 3.8 m. 2 Pes.

Emulsion 35x400 mm. 72 + 132 = 204 Pes.

Oil: L. Fly Rock: No.

Powder factor: 0.39 kg/BCM

Non - Electric (Double det): Pes.

Surface Delay: Pes.

Electric Blasting Cap: Pes.

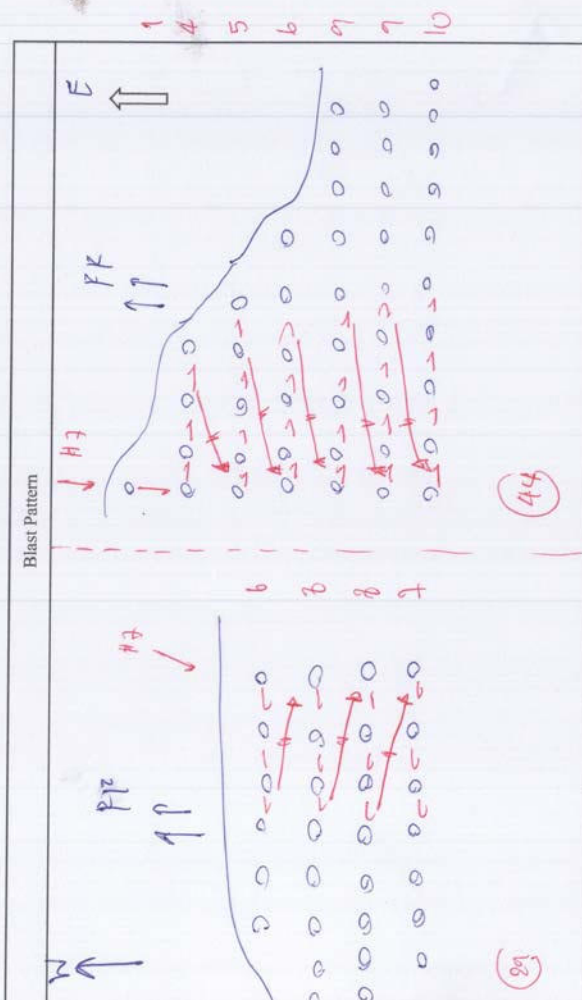
No.1 Pes. No.6 Pes.

No.2 Pes. No.7 Pes.

No.3 Pes. No.8 Pes.

No.4 Pes. No.9 Pes.

No.5 Pes. No.10 Pes.



Site Controller: _____