

# GARNET ABRASIVE TEST REPORT

SUPPLIER : ROCK GARNET TRADING

CLIENT : EXXONMOBIL EXPLORATION AND  
PRODUCTION INC, MALAYSIA

CONTRACTOR : KENCANA PETROLEUM  
SDN BHD



# Kencana Pinewell

www.knpe.com.my

## INSPECTION / JOB REPORT

### Garnet Abrasive Test Report

Date	18 <sup>th</sup> .December.2010.
Test method	GP 29-02-18 / SSPC AB1, Type 1, Grade B.
Abrasive	Sea Garnet Mesh 30/60.
Client	Kencana PineWell Sdn Bhd
Owner / Project	ExxonMobil Exploration And Production Malaysia Inc.
Supplier	Rock Garnet Trading
Manufacturer	India Garnet.
Test Substrate	Carbon steel
Location	Kencana Pinewell Sdn Bhd - KSB yard Phase 2, Kemaman.
Attendances	1- Rock Garnet Trading - Mr Kumaran , 2- Kencana PineWell Sdn Bhd - Mr Rahim Bin Othman , 3- Jotun Tech. Rep. - Irwinzam Mohd Noor.

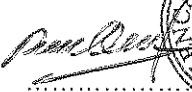
### Test result

Inspection Criteria	Observation		Remarks
	Required	Actual	
Weather condition	Good/Fine(RH ≤ 85%)	RH 82%	As per GP 29-02-18
Cleanliness	Sa 2.5 / SP 10	Sa 2.5	As per SSPC AB1
Anchor profile	25-64 μm	35~55 μm	SSPC AB1, Grade 2
Rust level	Level 0 -3	Level 1	ISO 8502-3
Soluble Water Test / Discolor	Clean and Clear	Clean and Clear	As per GP 29-02-18
PH Value	≤ PH 7	(See SIRIM Report)	As per GP 29-02-18 / SSPC AB1
Residue / Grease / Oil	Shall not contain	Not contain	SSPC AB1- Item 4.1.6
Chloride Content	≤20mg/ m <sup>2</sup>	15.0 μs/cm <sup>2</sup> / 7.5mg/m <sup>2</sup>	As per GP 29-02-18 / ISO 8502-6/9 Brassel sample patch method
Conductivity	As per GP 29-02-18/ ISO 8502-6/9 (≤ 100μs/cm <sup>2</sup> )	41 μs/cm <sup>2</sup>	As per GP 29-02-18 / ISO 8502-6/9 Brassel sample patch method

Conducted By: **ROCK GARNET TRADING**  
Supplier (SA0079856-X)

Authorized Signature  
Rock Garnet Trading  
(Mr Kumaran)

Witnessed by :  
Contractor

  
Kencana Pinewell Sdn Bhd  
(Mr Rahim Othman)

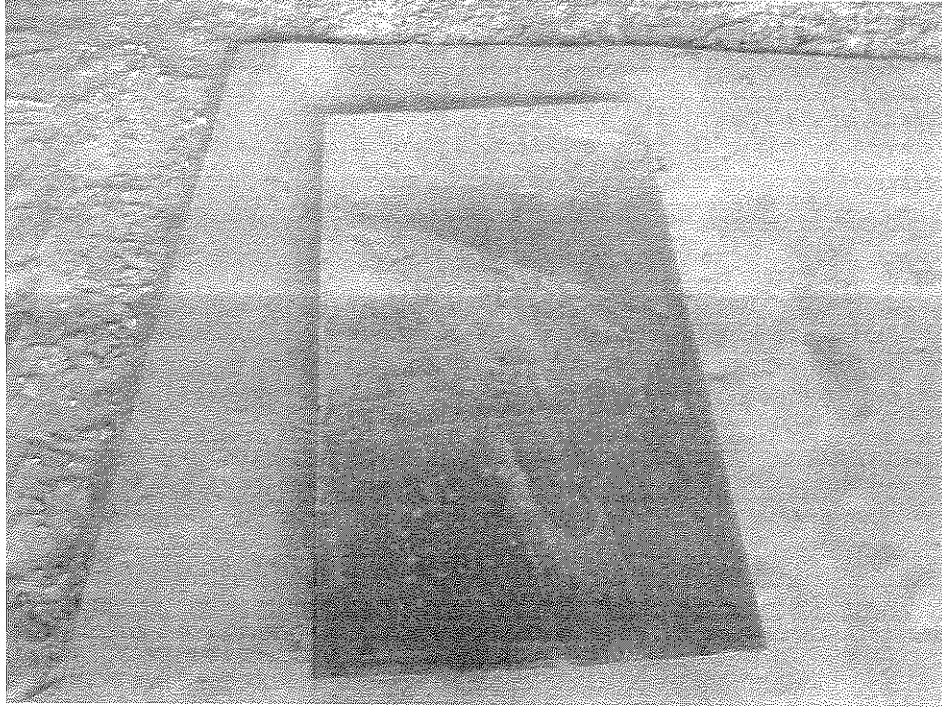
Witnessed by :  
Paint Manufacturer Rep.

**JOTUN (M) SDN BHD**  
 Doc Reviewed  
 Site Verification  
Jotun Malaysia Sdn Bhd  
(Mr Irwinzam)

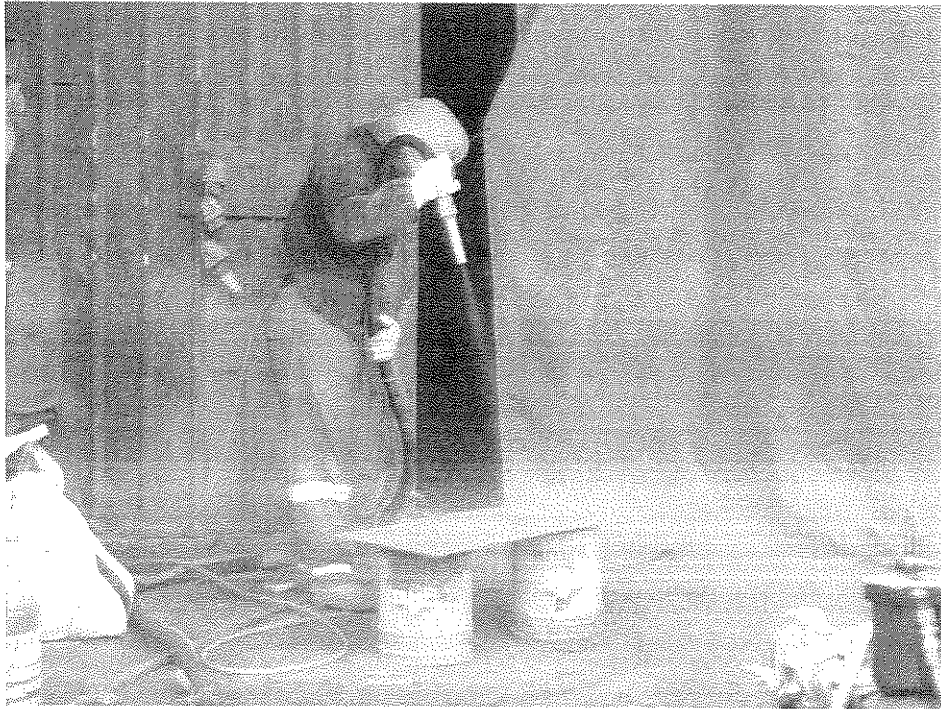
Kencana Pinewell Sdn Bhd (485768-A)  
(Formerly known as Pinewell Matrix Sdn Bhd)  
Corporate Office

K-9595, Taman Chukai Utama, Jalan Kubang Kurus, 24000 Kemaman, Terengganu, Malaysia. Tel: (6) 09 859 2955 / 859 1239 Fax: (6) 09 859 1603

## PHOTO REPORT

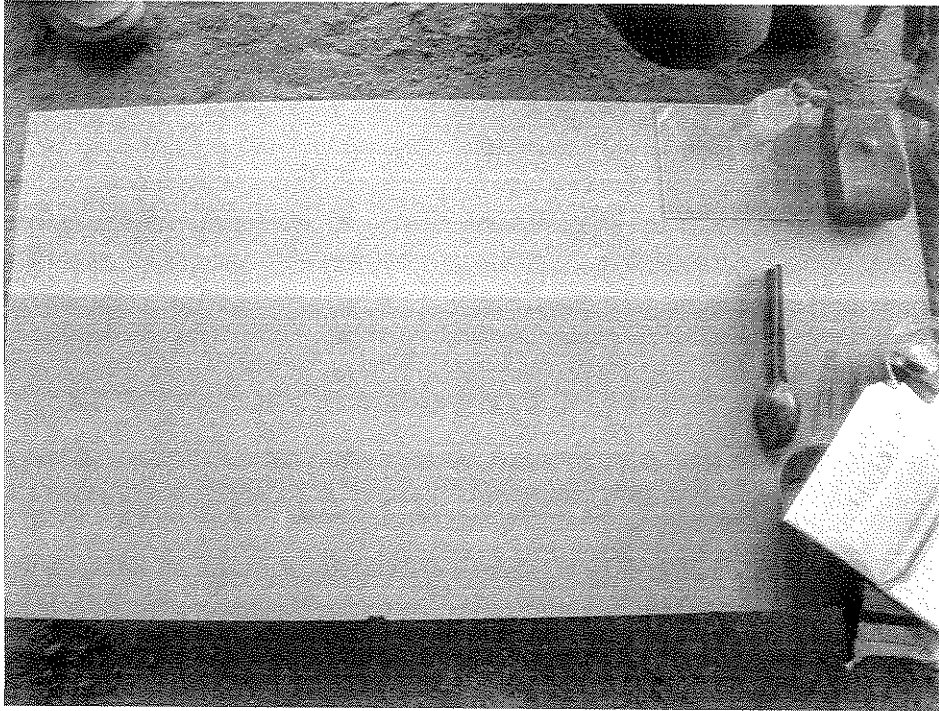


1. General view of test panel before blasting-Rust Grade B.

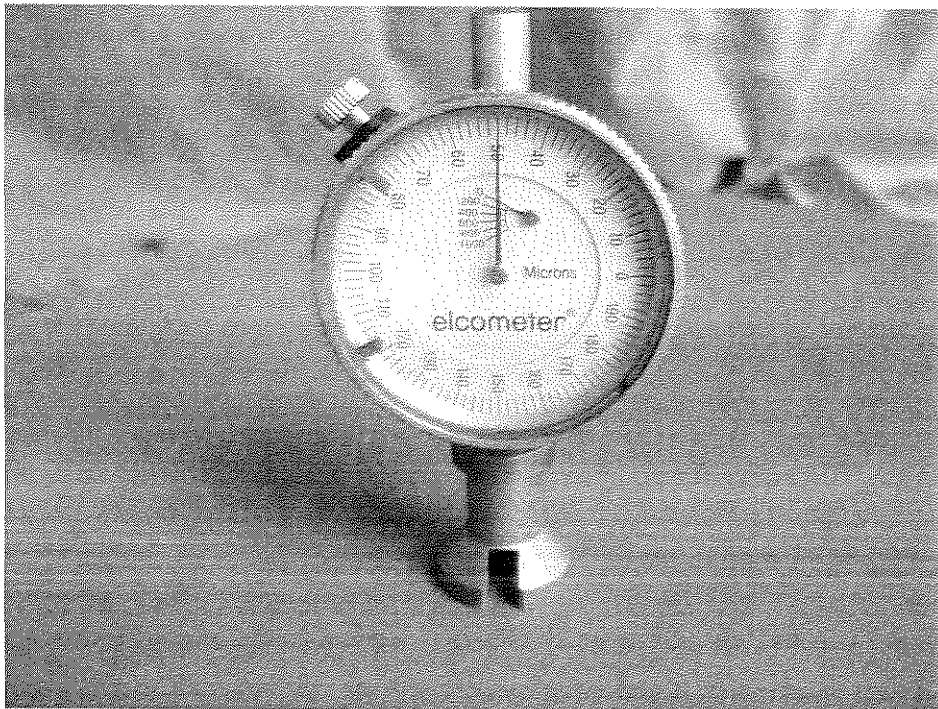


2. Commenced during blasting.

## PHOTO REPORT

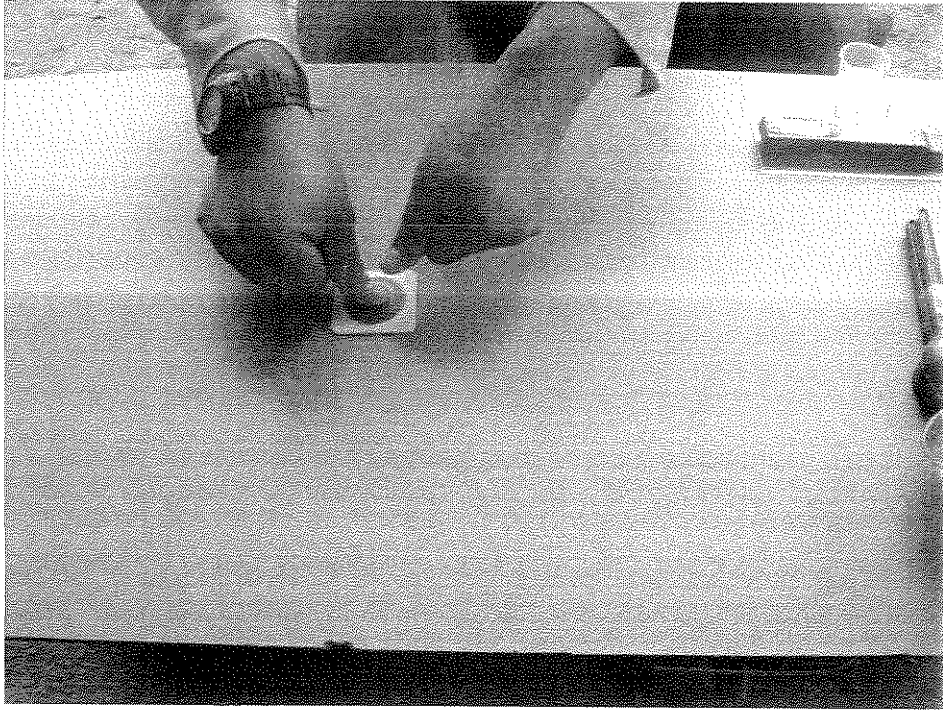


3. General view of test panel after blasted.



4. The Profile thickness reading was 50 $\mu$ m.

## PHOTO REPORT

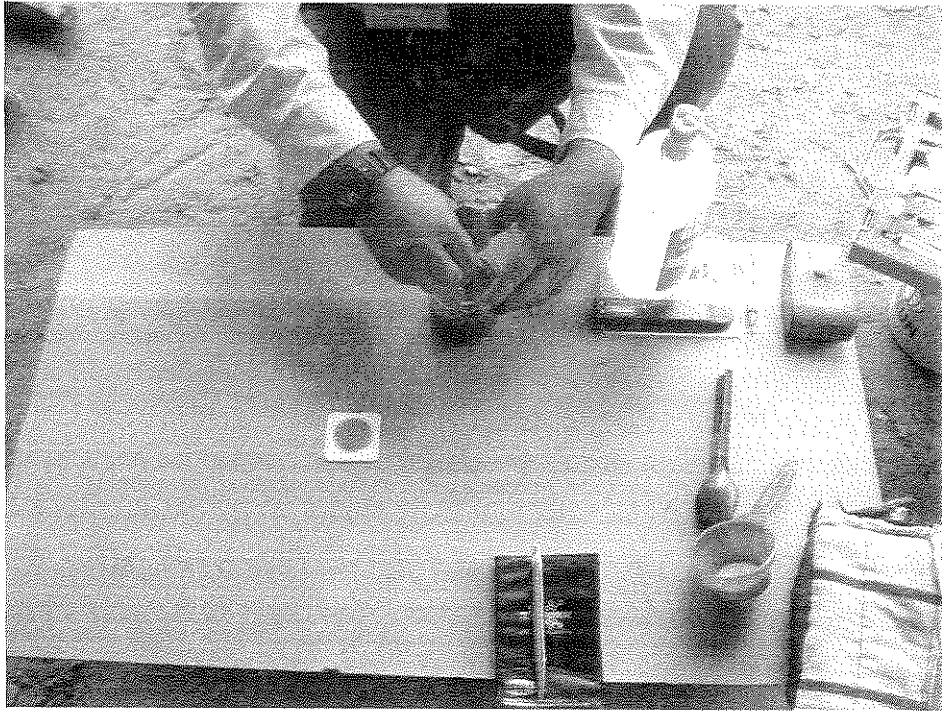


3. Commenced Salt/Chloride test on blasted surface.

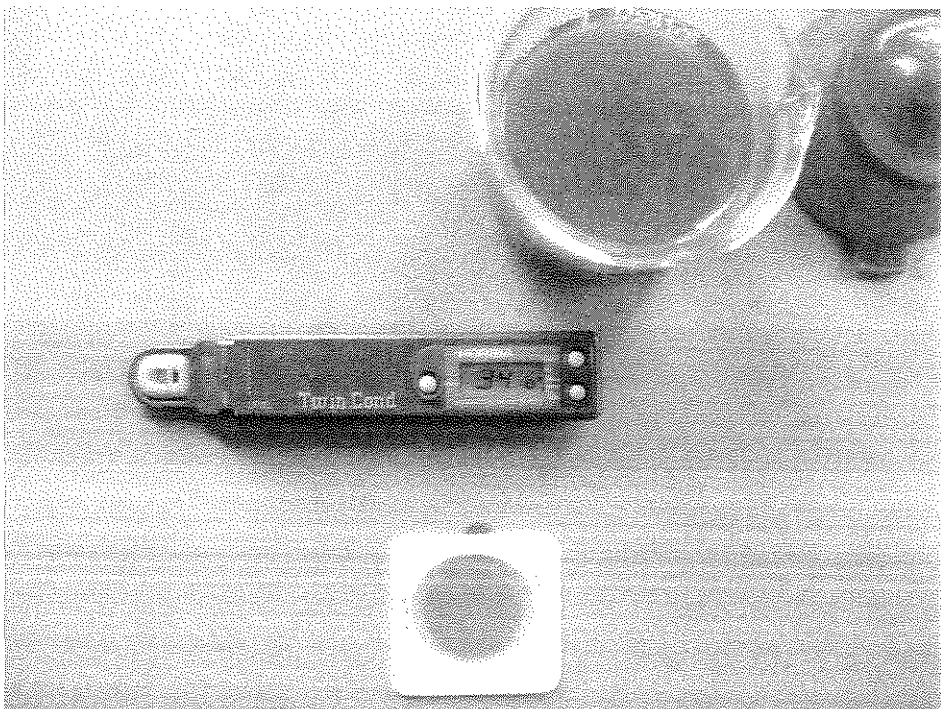


4. Commenced Salt/Chloride test on blasted surface.

## PHOTO REPORT



7. Commenced conductivity abrasive test.



4. Conductivity of abrasive reading was 34.