دفتر شروط طلبية تركيب و تشغيل جهاز روك إيفال - ٦مع تدريب مهندسين اثنين من مديرية الاستكشاف - دائرة المخابر

- تركيب جهاز روك إيفال ٦:
- تركيب جهاز روك إيفال ٦ مع الأجهزة المرفقة :
 - مولد هواء عالى النقاوة .
 - اسطوانة غاز نتروجين .
 - . U.P.S. -
 - ضاغط هواء .
 - مولد الهيدروجين .
 - *ملاحظة: التركيب حسب المواصفات المذكورة في الملحق رقم ١ المرفق.
 - تشغیل جهاز روك إیفال ٦:
- صلاحية الجهاز للعمل بما يخدم عمل مخبر الجيوكيمياء و الغاية منه .
 - تجريب عينات من الشركة السورية للنفط.
 - الحصول على نتائج تخدم عمل مخبر الجيوكيمياء .
 - تدریب مهندسین اثنین علی تشغیل و صیانة و استثمار جهاز روك ایفال ٦:
 - التدريب على برنامج software لمدة أسبوع.
 - التدريب على صيانة جهاز روك إيفال ٦ .
 - التدريب على استثمار جهاز روك إيفال ٦ .
 - *ملاحظة: مدة التدريب الداخلي و الخارجي أسبوع واحد.

Appendix 1

UP TO DATE ROCK EVAL-6 EQUIPMENT AND SOFTWARES FOR PETROLEUM GEOCHEMICAL STUDIES

I- ROCK EVAL-6 EQUIPMENT

- General Specifications:
- TOC analysis up to 100% Carbon.
- High programmed temperature pyrolysis and oxidation to (850 C°)
- Multi pyrolysis cycles.
- System of detection:
 - FID for HC.
 - IR cell for CO and CO₂
- Auto samplers is required .
- Ovens:
 - a- programmed temperature.
 - B- Multi rates program slops.

- Crucibles:

- a- Material: Incoloy.
- b- Cabasity:150 mg of sample.
- Workstation loaded with suitable software for data transfer and parameters Interpretation.
- Electrical requirement: 220V/50 Hz

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II- Software for Basin MODLLING:

- Ability to compute the quantities of oil and gas generated by different types of source rocks for a given well as a function of their burial history from the results supplied by rock Eval-6 data and other geochemical parameters.
- Allows assimilation of hydrocarbon generation and expulsion
 (5classes of products: C₁, C₂-C₅, C₆-C₁₅, C₁₅₊, Coke)
- Provide the following main features:
 - Standard time scale.
 - Multi rift computation.
 - Vertical profile of vitrinite reflectance adjustment.
 - Primary gas generation.
 - Printing or plotting of more than 30 different graphs in 3 groups:
 - 1. Well stage at selected age.
 - 2. Geohistory and burial.
 - 3. History of source rocks.

III- Additional requirements:

1- Hydrogen generator

Main characteristic:

- Maximum flow 150 ml/min
- Purity: 99.9999+%

- Voltage: 220 V/50 Hz

2- Air generator:

Main characteristic:

-Purity: 99.9999+%

- Voltage:220 V/50 Hz

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- 3- USP suitable for the equipment and its additional parts.
- -Accessories supplies and sufficient for five years concerning

ROCK –EVAL-6 SYSTEM and its additional equipment are required

- -Operating, maintenance manual, and illustration catalogues for all parts of the system are Required.
- -Cook book for all types of the samples is required.
- -installation, calibration & operating in local labs in Damascus.
- -Test and analysis of twenty different samples from S.P.C. fields in local S.P.C. labs in Damascus.
- -The technical offer should be included list of all spare parts of the system with out prices, and list of type and quantity of spare parts necessary for working of three years.
- -Electrical requirement: 220 V -50 Hz
- -THE FINANCIAL OFFER SHOULD BE Included detailed prices off spare parts of the system .

Training:

- 1- Interior: should be in local S.P.C. labs for seven days.
- 2-External training should be in the manufacturer company for seven days for two persons.