

S.P.C Procedures for approving PDC Rock bits manufacturer's

A. First grade :

- 1- The manufacturer should sent its technical and financial qualifications .
- 2- The manufacturer should sent a valid ISO certificate .
- 3- The manufacturer should sent its international sales and customers .

B. Second grade :

If the manufacturer passed the first stage , S.P,C , will start oil field trials as following :

- 1- The manufacturer should submit the following bits free of charge, which will be runned in S.P . C . oil fields (Hassakeh oilfield and Jbissa oil field follows) :

Size	Hardness	Qty.s	Body material
17 1/2"	Soft medium	1	SB
12 1/4"	Medium	1	SB
8 1/2"	=	1	SB
6"	=	1	SB

- 2- The trail of the above mentioned bits will be under the manufacturers' representatives supervision and on manufacturer's account .
- 3- If any bit failed during the trial , so the trail will be stopped and the manufacturer will be disqualified for the failed size .
- 4- The performance evaluation will be according to the following equation :
Meter drilling coast tape calculate as follows :
$$\text{Cost/m} = \frac{(\text{rig cost per hour} \times (\text{drilling hours} + \text{trip hours}) + \text{bit cost})}{\text{drilling meters}}$$
- 5- The manufacturer should submit its price list for the drilling bits
Which will be run in order to evaluate there performance according to the above mentioned equation .
- 6- The trial will be considered successful in case the results in both Hassakeh and Jbissa oil fields will be positive (the cost / m by the trail bits should be less or equal to the cost / m by comparison bits) .
- 7- S.P.C has the right to delegate technical committee to visit the manufacturer's mills and facilities and report S.P.C administration .

