DIMENSION BID

CTS PRESENTATION ASSESSMENT FORM

Presenter's Name	MUHAMMAD ALIFF B. ZULKEFLI	**Date**	3/11/2024
Position	EQUIPMENT OPERATOR 2	**SCORE**	
Topic	MOTOR HEAD ASSEMBLY		
Objective	PROMOTION EO III		
Assessor (s)	MUHAMMAD TAUFIQ ISMAIL		

	Assessment Criteria	Rating *(Please √ where appropriate)*								
		STRONG			ADEQUATE			IMPROVEMENT NEEDED		
		10	9	8	7	6	5	4	3	2
A	**Presentation Skill (20%)**									
	a. The presenter was well prepared and delivered the material in a clear and structured manner.			✓						
	b. The presenter was knowledgeable about the topic and able to relate the importance of the subject matter to his job			✓						
	c. The presentation contained practical examples and useful techniques that applied to current work.			✓						
B	**Creativity (20%)**									
	a. Did the presenter show creative thinking in the method of development and presentation?			✓						
	b. Did presenter get audience involved in "learning" the material?			✓						
C	**Content (60%)**									
	a. Did the presenter cover all the key points of the subject matter			✓						
	b. Did the presentation incorporate strong, effective supporting material throughout?			✓						
	c. Did the presenter give clear and concert explanation and example?			✓						
	d. Was the presenter able to answer questions on subject matter? Answers were correct and corresponded with the required understanding?			✓						

Additional Comments:

Overall, good presentation and have a good knowledge and understanding on MHA

Assessed By:

Name: MUHAMAD TAUFIQ ISMAIL
Position: #2
Date: 3/11/2024

Verified By:

Name: M. KHAIRUL RIDHWAN AZIZAN
Position: CTS FIELD SERVICE MANAGER
Date: 3/11/24
Dimension Bid (M) Sdn Bhd

Neu Dimension

ATTENDANCE FORM

Purpose: ☐ Meeting ☑ Training / Seminar / Workshop

Type of Training: ☐ Classroom ☐ Practical / Hands On ☐ Technical Sharing

Training Facilitator / Trainer: MUHAMMAD ALIFF B. JOLEEFLI

Topic/Subject	MOTOR HEAD ASSEMBLY	**Date**	3/11/2024
Venue	MEETING ROOM	**Time**	0230 pm
Meeting Coordinator		**Meeting/ Training Duration**	

No.	Name	Position	Signature
1	ENGKU NAZRI B. CHE ENGKU JALIL	GEO	
2	AHMAD SHAMSEER BIN MOHAMAD	EOT	
3	Mohd Hisyam bin Mat	EO	
4	AHMAD SYAFIQ BIN MOHAMAD	GEO	
5	~~AIMAN HAMIMI~~	TL	
6	SHAHRIL IZHAN	EOT	
7	MUHAMAD AINUDIN	EOT	
8	M. Haikal Rosli	EOT	
9	Mr Ikmal Hairi bin Saleh	EOT	
10	AQIL muhaimin	EOT	
12	MUHAMMAD NOOR HANIKA	EOT	
13	MOHAMAD HAMIR BIN MOHD ANVAR @ MOHD ANVAR	EOT	
14	MOHAMAD AMIR B. MOHD JUANDA	EOT	
15	HAFIZUDDIN	FST	
	NUR IZZATI	JFC	

Remark / Comment

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Motorhead Assembly

Prepared by:
Muhammad Aliff bin Zulkefli

Department:
Coiled Tubing Services

Table of Content

Objectives

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01 Explain the function of a Motorhead Assembly

02 Identify the various components of Motorhead Assembly

03 Identify the sizes, working pressure and type of thread of Motorhead Assembly

04 Identify size ball of Hydraulic Disconnect and Circulation Sub

05 Identify rating pressure for Shear Screw

01 Function

Motorhead Assembly

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- **The purpose of Motorhead Assembly:**
  - Use directly below CT connector
  - Provide a barrier from well pressure
  - Release mechanism for contingency
  - Dual circulating function

02 Component

Component of MHA

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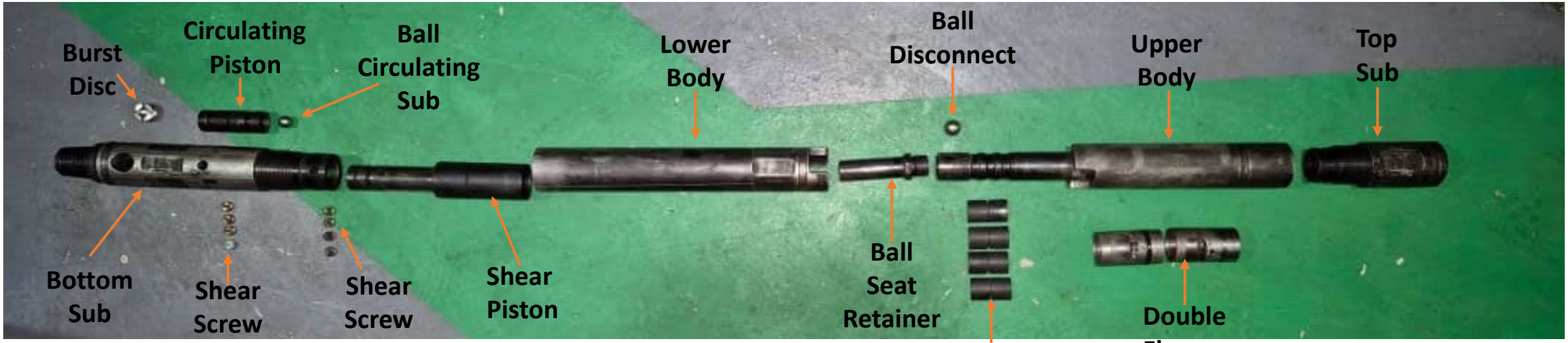

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1. Top Sub

2. Upper Body

3. Lower Body

4. Bottom Sub

5. Double Flapper

6. Ball Seat Retainer

7. Slips

8. Shear Piston

9. Shear Screw Disconnect

10. Circulating Piston

11. Shear Screw Circulating Sub

12. Burst Disc

Double Flapper

*Manufacturer Test Pressure = 12,000psi

*Onsite Test Pressure = 1500psi

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03 Size, Working Pressure and Thread's Type

Size, Working Pressure, Thread's Type

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Size of MHA	Working Pressure (psi)	Type of Thread	Size of Thread (Pin & Box) (inch)
1.5	10,000	SA 10	1.125
1.687	10,000	AMMT	1.0
2.00	5,000	AMMT	1.5
2.125	10,000	AMMT	1.5

*__SA10__ = Stub ACME
*__AMMT__ = American Mining Macaroni Tubing

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04 Size Ball of Hydraulic Disconnect & Circulation Sub

Size Ball for Hydraulic Disconnect & Circulation Sub

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Size of MHA	Hydraulic Disconnect (inch)	Circulating Sub (inch)
1.5	1/2 (0.5)	3/8 (0.375)
1.687	5/8 (0.625)	1/2 (0.5)
2.00	11/16 (0.6875)	9/16 (0.5625)
2.125	3/4 (0.75)	5/8 (0.625)

Example of Ball Hydraulic Disconnect and Circulation Sub

*Small ball = Circulating Sub

*Big ball = Hydraulic Disconnect

05

Rating Pressure for Shear Screw

Rating Pressure for Shear Screw

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Size of MHA	Hydraulic Disconnect (psi)	Circulating Sub (psi)
1.5	6876	2512
1.687	5456	2520
2.00	2792	1456
2.125	5636	2932

Shear Screw
Hydraulic Disconnect

Shear Screw
Circulating Sub