

ASSESSMENT CHECKLIST

Unit: CAP 1.2 PLAN FOR WELL SERVICES OPERATIONS

Element: CAP 1.2.2 Select And Test Well Services Equipment

PC	Description of Performance Criteria	Description of Evidence	Source of evidence			Competence	Remarks
			O/I	SD	Q/A		
a	Equipment identified and selected is appropriate for the work to be performed, and conforms to operational requirements.	Examine evidence (e.g. tool listing, checks required). Check via questioning for underpinning knowledge, function of tools and equipment.	✓			C	
b	Equipment is confirmed functional, fit for the work to be performed and the environment in which it will be used.	Check understanding of test procedure and guidelines related to operation. Job reports. Confirm through questioning on underpinning knowledge and field observation report.	✓			C	
c	An accurate record/schematic of the bottom hole assembly (BHA) is prepared in accordance with operational requirements.	Report/record evidence of tools used during the operation. Questions on underpinning knowledge and field observation report.	✓			C	
d	Defects in equipment are identified and appropriate remedial action taken.	Examine records on action taken on defective tool (equipment dispatch report and defective checklist reports). Check via questioning to verify the action taken and field observation.	✓			C	

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			O/I	SD	Q/A			
							C / NYC	
f	When necessary advice and support are sought from relevant personnel.	Field observation - share knowledge or seek advice. Check assignment on simulated problems and note action taken. Feedback from Third Party.	✓				C	
e	Working practices are safe and conform to statutory and operational requirements.	Field observation - PTW, PPE. Answers to question related to safety and requirement. Understanding of Company's Policy.	✓				C	

Legend:

Source of Evidence: O/I Observation / Interview

SD Supporting Document

Q / A Written Questions & Answers

Competence C Competent

NYC Not Yet Competent

OVERALL SCORE	STRONG			ADEQUATE			IMPROVEMENT NEEDED		
	10	9	8	7	6	5	4	3	2
		9							

Assessed by: ALLEYSON AKIN DIMENSION BID (M) SDN BHD East Malaysia Operation	Agreed by: (TSO) Ammar A	Verified by: (HOD) Afiq Ammar
(Name)	(Name)	(Name)
Signature	Signature	Signature
Date	Date	Date
20.9.24	20.9.24	10th Oct 2024

QUESTIONS TO ASSESS UNDERPINNING KNOWLEDGE (Written/Oral Answers Required)

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No.	Question	Relevant PC
1	List the specific surface equipment needed for carrying out wireline work using 0.092"/0.108"/ 0.125" wire?	a
2	What are the specific requirements for the wireline unit to ensure that it is fit for operation?	e
3	Tabulate the standard tool string for use in carrying out routine wireline operation? (Routine Valve Change, Gaslift Valve Change, Zone change, Flow and Build up survey).	a, b, c
4	Describe the procedure for checking the pulling and running tools for WR SC-SSV?	b
5	What are the checks and tests to be carried out on the surface equipment? (Wireline power pack, wireline winch and lifting equipment, etc).	b
6	List the checks on the tools for pulling and setting gaslift valve. (Kick-over tool, JDC, GA-2).	b
7	Produce a schematic drawing complete with dimensions of the wireline tool string for pulling/setting plug in 3.1/2" and 4.1/2" tubing, WR SC-SSV in 3.1/2" and 7" tubing and SSD operation inside the 3.1/2" tubing and 4.1/2" tubing.	c
8	How do you identify defective GS, SB and RS pulling tool and listed out steps for corrective action?	d
9	You run a GS with ground-off dogs to attempt to equalise a downhole plug. The pin sheared and there is no change in THP. What would you do next?	f
10	Describe the function test to be carried out on the 'X'-running tool?	b
11	A gaslift valve is stuck and the 1.1/4" JDC dogs keep wearing off. What other pulling tool(s) can you use and why?	b
12	When pulling B-7 valve with external fishing neck, the JDC keep slipping off and the fishing neck is suspected to be worn off. Suggest a tool you would use to pull the B-7 valve.	b
13	What is the minimum breaking load of : a) Zeron 100 wire 0.092" b) Zeron 100 wire 0.108" c) Zeron 100 wire 0.125" d) Supa 70 wire size 0.108" e) Supa 75 wire size 0.108"	a, b
14	What is the recommended minimum sheave size for: a) 0.092" wire b) 0.108" wire c) 0.125" wire	a, b
15	When do you use a GR pulling tool to pull a plug?	a, e, f
16	Explain why do you need to use shear pin of different materials?	a

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17	Describe the test procedures for the surface equipment: a) lubricators b) hydraulic stuffing box c) manual stuffing box d) hydraulic and manual BOP	b
18	Why is it important to check and clean the flame trap on the SSR unit? What is the consequence for not doing it?	a, b, e
19	Why is it necessary to carry out torsion test or wrap test (as appropriate) on the wireline prior to a well entry work? State the recommended test requirements/results for the various sizes and types of slick lines.	b, d
20	What is the recommended distance separating the cell plates of the 0-2000 lbs range Martin Decker load cell assembly? Why do we need to maintain a minimum distance between the cell's plates and state what could happen if this distance is not maintain during the jarring operation.	b, d
21	Describe how you would carry out troubleshooting to rectify a defective weight indicator, covering the load cell, HP hoses and the Martin Decker gauge.	b, d
22	Produce a checklist for the wireline reel skid prior to start-up.	b, d
23	What are the checks to be done on the wireline surface equipment before commencement of operation?	a, b, c
24	How do you test and ensure that the B-downshift tool is functioning?	b
25	To what pressure do you test the wireline surface equipment after rigging up?	b, d, e
26	What is the torsion strength of: a) Zeron 100 wire 0.092" b) Zeron 100 wire 0.108" c) Zeron 100 wire 0.125"	b, d, e
27	How do you test the ductility of Supa 70 and Supa 75 Slick line?	b
28	What are the general checks to be carried out on standard wireline toolstrings?	a, b
29	Where should the PTW be displayed?	e
30	What is the purpose of a hydraulic jar in the tool string?	a, b, e
31	What is the difference between a Link jar and Tubular jar? When do you need to use a tubular jar?	a, b
32	What is the use of a centraliser in the wireline toolstring?When do you need to use the centraliser?	a, b
33	What is the working pressure of a standard lubricator with a test pressure of 5,000 psi in the wireline workshop?	a, b, e
34	What does the term 5 - 4 ACME and 5.3/4" - 4 ACME indicate?	b
35	What is the safe working load on: a) Zeron 100 wire 0.092" b) Zeron 100 wire 0.108" c) Zeron 100 wire 0.125" d) Supa 70 wire size 0.108" e) Supa 75 wire size 0.108"	a, b

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36	Why is it important to keep record of the size and length of wireline tool string prior to run in hole?	c
37	How do you carry out the functional test of the automatic over speed valve? What is the purpose of the automatic over speed valve?	a, b, e