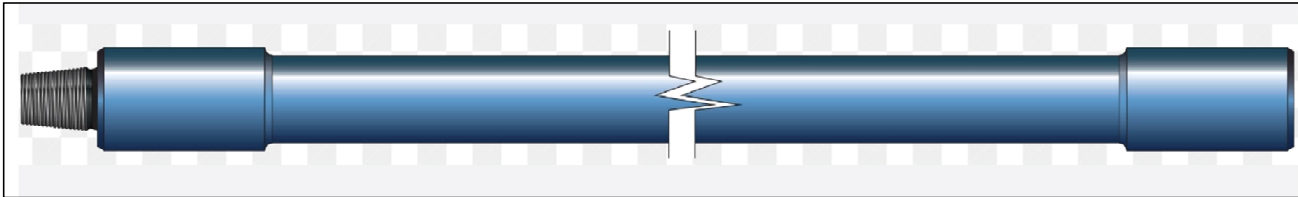




QUALITY CONTROL

Al Takamul Company For Engineering Testing
And Professional Safety Limited



5"DRILL PIPE INSPECTION REPORT

Al Takamul Company For Engineering
Testing And Professional Safety Limited



ONLINE TRACEABILITY

Submitted To: DQ-12 / R-807



Corporate
Partner



Address; Noth Rumaila, Al Takamul Yard
Contact: +9647810009138



00964 7810009138



op@qualitycontrol-iraq.com
admin@qualitycontrol-iraq.com



Iraq, Basra, Norh Rumaila

Customer	DAQING DRILLING	Date Of Service	13.APR.2024
Location	R-807	References	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM

First of all we would like to thank the rig crew for their adequate, proper, instant assistance given to Q.C TAKAMUL COMPANY during the inspection & thorough examination period. To achieve the job as perfect as it should be, as well we wish that our crew did the job as efficiently as it should be.

Procedure

Inspection is applied for (CAT-5) No's (220) of Joints 5" Drill Pipe Grade G2(G-105) Connection (NC50) weight (19.50 lbs/ft)

These Procedures Done On All Pipes As Below.

- | | |
|--|--|
| * Visual Connection | * MPI Slip/Upset |
| *Dimensional -2 | * UFD Slip/Upset |
| *Blacklight Connection | * UT Wall Thickness |
| *Heat Checking | * Internal Cleaning |
| *Visual Tube | * External Cleaning By Using Power Full Buff |
| * OD Gage | |
| * EMI | |
| * Complete Inspection Of Drill Pipe In Accordance With DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM | |

Result

*** (220) No's Joints 5" OD Drill Pipe Grade G2 G-105 Weight 19.50 lbs/ft With (NC50) Total Inspected As Per (DS-1) Standards.

*** 152 Joints Were Found Acceptable Premium Class (P/C)

*** 68 Joints Were Found Un-Acceptable Rejected.

REJECTION DETAILS FROM PIN & BOX CONNECTION

*** 46 Joints Were Found Un-Acceptable From Box Side Thread&Seal Damage (Rejected)

*** 18 Joints Were Found Un-Acceptable From Pin Side Thread&Seal Damage&Galled&Pitted Thread (Rejected)

*** 4 Joints Were Found Un-Acceptable From Pin&Box Side Seal&Thread Damage (Rejected)



ONLINE TRACEABILITY



**Corporate
Partner**



Address; Noth Rumaila, Al Takamul Yard
Contact: +9647810009138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	13-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	1 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
1	14D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	Acceptable
2	10077	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
3	X999	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
4	3412019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	Acceptable
5	29D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
6	775	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
7	X-175	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
8	X-5	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
9	X-74	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	6 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
10	12-007	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
11	18P2010	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
12	X-91	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable
13	2292019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	Acceptable
14	300	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
15	41D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:11 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY													
PIN COND = PIN CONDITION LP = LIGHT PITTING SP = SEVERE PITTING PIT.I.C = PIPE/TUBE INTERNAL CLEANING PIT.E.C = PIPE/TUBE EXTERNAL CLEANING IPC = INTERNAL PLASTIC COATING. CSA = CROSS SECTION AREA						TD = THREAD DAMAGE SD = SEAL DAMAGE PT = PITTED THREAD SWO = SEAL WASHOUT RF = RE FACING CR = CRACK BS =BOX SWELL						PS = PITTED SEAL MS = MASHED SEAL W.O.T = WORN OUT THREAD RB = RE BEVEL I.D.I.P=ID DEEP INTERNAL PITTING N.P=NOSE PITTED B.B=BODY BENT						INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN						TOTAL DRILL PIPE INSPECTED 15 DRILL PIPE NEED TO BE RECUT NIL DRILL PIPE NEED TO BE RECHASE NIL DRILL PIPE NEED TO BE STRAIGHT NIL DRILL PIPE JUNK NIL DRILL PIPE USEABLE 15						PC = PREMIUM CLASS 15 C2 = CLASS II NIL C3 = CLASSA III NIL C4 = CLASSA IV NIL							
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY																			
EQUIPMENT			SERIAL NUMBER			CAL.DUE DATE:			EQUIPMENT			SERIAL NUMBER			CAL.DUE DATE:			INSPECTOR NAME:						SENIOR INSPECTOR:													
AC YOKE			201504053			14-Aug-24			GAUSS METER			14001175			14-Aug-24			RAO SHAH						M.FHAID													
UT THICK. METER			520750			14-Aug-24			LUX METER			2722003			14-Aug-24			MANUFACTURE						BATCH NO		EXPIRE DATE											
DC COIL			SC22713			14-Aug-24			ULTRASONIC FLAW DETECTOR			ID17374			14-Aug-24			MANUFACTURE						BATCH NO		EXPIRE DATE											
BLACK LIGHT			1900084			14-Aug-24			INTENSITY METER			1608000134			14-Aug-24			Magnaflux						220605		JULY,2025											
EMI UNIT			TSEZW05152269			15-Aug-24			PIT GAUGE			97594			14-Aug-24			MANUFACTURE						BATCH NO		EXPIRE DATE											
UV LIGHT INTENSITY:			3150 µw/cm²									Fluorescent Magnetic Ink 14HF						Magnaflux						220306		MARCH,2025											
14HF Concentration:			0.1 to 0.4 ml/100 ml			7HF Concentration:						1.1 to 1.4 ml/100 ml																									
Original - Client Files																				Conv - Area Office				OC/FN/DP/070				Rev.00									

Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	13-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM				REPORT PAGE NO:	2 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA				✓

S NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
16	X-16	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
17	X-161	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
18	X-203	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
19	10014	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
20	56D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
21	565	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
22	42P2010	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
23	X-81	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
24	S17	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
25	X-166	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
26	X-14	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
27	X-156	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
28	10031	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
29	10058	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
30	X-78	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY					
PIN COND = PIN CONDITION						INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area						TOTAL DRILL PIPE INSPECTED						PC = PREMIUM CLASS											
LP = LIGHT PITTING						1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%						DRILL PIPE NEED TO BE RECUT						C2 = CLASS II											
S.P = SEVERE PITTING						Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)						DRILL PIPE NEED TO BE RECHASE						C3 = CLASS III											
PIT.I.C = PIPE/TUBE INTERNAL CLEANING						1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%						DRILL PIPE NEED TO BE STRAIGHT						C4 = CLASS IV											
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING						Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX						DRILL PIPE JUNK																	
IPC = INTERNAL PLASTIC COATING.						TO MPI 48" FROM BOX AND 36" FROM PIN						DRILL PIPE USEABLE																	
CSA = CROSS SECTION AREA																													
TD = THREAD DAMAGE																													
SD = SEAL DAMAGE																													
PT = PITTED THREAD																													
SWO = SEAL WASHOUT																													
RF = RE FACING																													
CR = CRACK																													
BS =BOX SWELL																													
PS = PITTED SEAL																													
MS = MASHED SEAL																													
W.O.T = WORN OUT THREAD																													
RB = RE BEVEL																													
ID.D.I.P=ID DEEP INTERNAL PITTING																													
N.P=NOSE PITTED																													
B.B=BODY BENT																													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY											
EQUIPMENT			SERIAL NUMBER			CAL.DUE DATE:			EQUIPMENT			SERIAL NUMBER			CAL.DUE DATE:			INSPECTOR NAME:			SENIOR INSPECTOR:								
AC YOK			201504053			14-Aug-24			GAUSS METER			14001175			14-Aug-24			RAO BHARATHI			M.FHAID								
UT THICK. METER			520750			14-Aug-24			LUX METER			2722003			14-Aug-24			QUALIFICATION:			INSPECTION SUPERVISOR:								
DC COIL			SC22713			14-Aug-24			ULTRASONIC FLAW DETECTOR			ID17374			14-Aug-24			SIGNED: RAJESH K. S.			WAQAS								
BLACK LIGHT			1900084			14-Aug-24			INTENSITY METER			1608000134			14-Aug-24			SIGNATURE: RAJESH K. S.			CLIENT:								
EMI UNIT			TSEZW05152269			15-Aug-24			PIT GAUGE			97594			14-Aug-24														
UV LIGHT INTENSITY:			3150 µw/cm²																										
14HF Concentration:			0.1 to 0.4 ml/100 ml			7HF Concentration:						1.1 to 1.4 ml/100 ml																	
White Contrast WCP-2						Magnaflux						BATCH NO						EXPIRE DATE											
Black Magnetic Ink 7HF						Magnaflux						220605						JUN.2025											
Fluorescent Magnetic Ink 14HF						Magnaflux						220306						MARCH.2025											
Original - Client Files						Conv - Area Office						OC/FN/DP/070						Rev.00											



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	13-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	3 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA				✓

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
31	10047	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	Acceptable
32	X-19	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
33	X-90	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
34	1D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
35	P08	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
36	X-31	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
37	12D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
38	12-021	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
39	X-68	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
40	20D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
41	7878	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
42	X-69	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
43	X-10	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	Acceptable
44	X-12	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
45	X351	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY									
PIN COND = PIN CONDITION			TD = THREAD DAMAGE			PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			15			PC = PREMIUM CLASS			15												
LP = LIGHT PITTING			SD = SEAL DAMAGE			MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			NIL			C2 = CLASS II			NIL												
S.P = SEVERE PITTING			PT = PITTED THREAD			W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			NIL			C3 = CLASSA III			NIL												
PIT.I.C = PIPE/TUBE INTERNAL CLEANING			SWO = SEAL WASHOUT			RB = RE BEVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT			NIL			C4 = CLASSA IV			NIL												
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING			RF = RE FACING			ID.D.I.P=ID DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK			NIL																		
IPC = INTERNAL PLASTIC COATING.			CR = CRACK			N-P=NOSE PITTED			TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE			15																		
CSA = CROSS SECTION AREA			BS =BOX SWELL			B.B=BODY BENT																											
INSPECTION EQUIPMENT DETAILS												TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY											
EQUIPMENT		SERIAL NUMBER		CAL DUE DATE:		EQUIPMENT		SERIAL NUMBER		CAL DUE DATE:		White Contrast WCP-2		MANUFACTURE		BATCH NO		EXPIRE DATE		INSPECTOR NAME:				SENIOR INSPECTOR:									
AC YOKE		201504053		14-Aug-24		GAUSS METER		14001175		14-Aug-24				Magnaflux		220602		JUN,2025		RAO SHAH				M.FHAID									
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:				INSPECTION SUPERVISOR:									
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		017374		14-Aug-24				Magnaflux		220605		JULY,2025		RAO SHAH				WAQAS									
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		SIGNATURE:				CLIENT:									
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24				Magnaflux		220306		MARCH,2025															
UV LIGHT INTENSITY:				3150 µw/cm²																													
14HF Concentration:				0.1 to 0.4 mJ/100 ml				7HF Concentration:								1.1 to 1.4 mJ/100 ml																	
Original - Client Files																						Copy - Area Office				OC/FN/DP/070				Rev.00			

Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	14-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	4 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
46	X-19	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
47	S6	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
48	1008	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
49	10027	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
50	1814-001	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
51	X-154	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
52	X-94	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
53	54D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
54	X-1	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
55	X-22	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
56	100048	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
57	M25	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
58	12-008	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	Acceptable
59	5552	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
60	13D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY																			
PIN COND = PIN CONDITION LP = LIGHT PITTING SP = SEVERE PITTING PIT.I.C = PIPE/TUBE INTERNAL CLEANING PIT.E.C = PIPE/TUBE EXTERNAL CLEANING IPC = INTERNAL PLASTIC COATING. CSA = CROSS SECTION AREA						TD = THREAD DAMAGE SD = SEAL DAMAGE PT = PITTED THREAD SWO = SEAL WASHOUT RF = RE FACING CR = CRACK BS =BOX SWELL						PS = PITTED SEAL MS = MASHED SEAL W.O.T = WORN OUT THREAD RB = RE BEVEL I.D.I.P=ID DEEP INTERNAL PITTING N:PO=NO PITTED B.B=BODY BENT						INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN						TOTAL DRILL PIPE INSPECTED 15 DRILL PIPE NEED TO BE RECUT NIL DRILL PIPE NEED TO BE RECHASE NIL DRILL PIPE NEED TO BE STRAIGHT NIL DRILL PIPE JUNK NIL DRILL PIPE USEABLE 15						PC = PREMIUM CLASS 15 C2 = CLASS II NIL C3 = CLASSA III NIL C4 = CLASSA IV NIL													
INSPECTION EQUIPMENT DETAILS												TECHNICAL DETAILS												PERSON DETAILS						REVIEW BY													
EQUIPMENT			SERIAL NUMBER			CAL.DUE DATE:			EQUIPMENT			SERIAL NUMBER			CAL.DUE DATE:			MANUFACTURE						BATCH NO		EXPIRE DATE		INSPECTOR NAME:						SENIOR INSPECTOR:									
AC YOK			201504053			14-Aug-24			GAUSS METER			14001175			14-Aug-24			Magnafux						220602		JUN,2025		RAO BHARATH						M.FHAID									
UT THICK. METER			520750			14-Aug-24			LUX METER			2722003			14-Aug-24			Magnafux						220605		JULY,2025		QUALIFICATION:						INSPECTION SUPERVISOR:									
DC COIL			SC22713			14-Aug-24			ULTRASONIC FLAW DETECTOR			017374			14-Aug-24			Magnafux						220605		JULY,2025		SIGNED: RAJESH K						WAQAS									
BLACK LIGHT			1900084			14-Aug-24			INTENSITY METER			1608000134			14-Aug-24			Magnafux						220306		MARCH,2025		SIGNATURE: RAJESH K						CLIENT:									
EMI UNIT			TSEZW05152269			15-Aug-24			PIT GAUGE			97594			14-Aug-24			Magnafux						220306		MARCH,2025																	
UV LIGHT INTENSITY:						3150 µw/cm²						7HF Concentration:						1.1 to 1.4 ml/100 ml																									
14HF Concentration:						0.1 to 0.4 ml/100 ml																																					
Original - Client Files																				Conv - Area Office				OC/FN/DP/070				Rev.00															

Original - Client Files Copy - Area Office QC/FN/DR/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	14-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	5 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
61	X-64	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.383"	-	OK	✓	..	..	-	Acceptable
62	112	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	4 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
63	P30	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
64	X-22	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
65	X-142	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
66	1814-003	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
67	M24	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
68	13D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
69	M23	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
70	10039	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
71	301D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
72	1002	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable
73	S-5	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	Acceptable
74	X-11	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
75	X-23	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION			TD = THREAD DAMAGE			PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			PC = PREMIUM CLASS										
LP = LIGHT PITTING			SD = SEAL DAMAGE			MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			NIL			C2 = CLASS II										
S.P = SEVERE PITTING			PT = PITTED THREAD			W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECUT			NIL										
PIT.I.C = PIPE/TUBE INTERNAL CLEANING			SWO = SEAL WASHOUT			RB = RE REVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE RECHASE			NIL										
PIT.E.C = PIPE/TUBE EXTERNAL CLEANING			RF = RE FACING			I.D.I.P = DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE NEED TO BE STRAIGHT			NIL										
IPC = INTERNAL PLASTIC COATING			CR = CRACK			N.P=NOSE PITTED			DRILL PIPE JUNK			NIL			C4 = CLASSA IV			NIL							
CSA = CROSS SECTION AREA			BS =BOX SWELL			8.B=BODY BENT			TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE			15										
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT		SERIAL NUMBER		CAL.DUE DATE:		EQUIPMENT		SERIAL NUMBER		CAL.DUE DATE:		MANUFACTURE		BATCH NO		EXPIRE DATE		INSPECTOR NAME:		SENIOR INSPECTOR:					
AC YOKE		201504053		14-Aug-24		GAUSS METER		14001175		14-Aug-24		Magnafux		220602		JUN, 2025		RAO SOHAIL		M.FHAID					
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24		MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:		INSPECTION SUPERVISOR:					
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		K017374		14-Aug-24		Magnafux		220605		JULY,2025		RAO		WAQAS					
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24		MANUFACTURE		BATCH NO		EXPIRE DATE		SIGNATURE		CLIENT:					
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24		Magnafux		220306		MARCH,2025									
UV LIGHT INTENSITY:				3150 µw/cm²																					
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:				1.1 to 1.4 ml/100 ml																	
Original - Client Files						Copy - Area Office						OC/FN/DP/070						Rev.00							

Original - Client Files Copy - Area Office QC/FN/DR/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	14-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	6 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA				✓

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
76	202020	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	Acceptable
77	X-181	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
78	X-87	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
79	1817-004	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
80	X-238	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
81	X-178	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
82	X-02	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
83	116	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
84	12122	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
85	X-26	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
86	X-45	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
87	X-223	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
88	669	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	Acceptable
89	31D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
90	X-217	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION						INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area						TOTAL DRILL PIPE INSPECTED						PC = PREMIUM CLASS							
LP = LIGHT PITTING						1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%						DRILL PIPE NEED TO BE RECUT						C2 = CLASS II							
S.P = SEVERE PITTING						Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)						DRILL PIPE NEED TO BE RECHASE						C3 = CLASSA III							
PIT.I.C = PIPE/TUBE INTERNAL CLEANING						1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%						DRILL PIPE NEED TO BE STRAIGHT						C4 = CLASSA IV							
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING						Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX						DRILL PIPE JUNK													
IPC = INTERNAL PLASTIC COATING.						TO MPI 48" FROM BOX AND 36" FROM PIN						DRILL PIPE USEABLE													
CSA = CROSS SECTION AREA																									
TD = THREAD DAMAGE																									
SD = SEAL DAMAGE																									
S.P = PITTED THREAD																									
SWO = SEAL WASHOUT																									
RF = RE FACING																									
CR = CRACK																									
BS =BOX SWELL																									
PS = PITTED SEAL																									
MS = MASHED SEAL																									
W.O.T = WORN OUT THREAD																									
RB = RE BEVEL																									
ID.D.I.P=ID DEEP INTERNAL PITTING																									
N.P=NOSE PITTED																									
B.B=BODY BENT																									
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:														
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN, 2025	RAO SOHAIL	M.FHAID														
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24																				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	8017374	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:														
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		Magnaflux	220605	JULY,2025	RAO	WAQAS														
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24																				
UV LIGHT INTENSITY:			3150 µw/cm²				MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE:	CLIENT:														
14HF Concentration:			0.1 to 0.4 mJ/100 ml			Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025																
			7HF Concentration:			1.1 to 1.4 mJ/100 ml																			
Original - Client Files														Copy - Area Office		OC/FN/DP/070				Rev.00					



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	7 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA				✓

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
91	182019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	Acceptable
92	99	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
93	417	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
94	X-46	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	Acceptable
95	10054	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
96	12-012	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
97	X-177	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
98	X-57	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
99	77777	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
100	X-277	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
101	X-104	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
102	10055	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable
103	X-150	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	Acceptable
104	12-001	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
105	10043	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION			TD = THREAD DAMAGE			PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			15			PC = PREMIUM CLASS			15				
LP = LIGHT PITTING			SD = SEAL DAMAGE			MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			NIL			C2 = CLASS II			NIL				
S.P = SEVERE PITTING			PT = PITTED THREAD			W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			NIL			C3 = CLASSA III			NIL				
PIT.I.C = PIPE/TUBE INTERNAL CLEANING			SWO = SEAL WASHOUT			RB = RE REVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT			NIL			C4 = CLASSA IV			NIL				
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING			RF = RE FACING			ID.D.I.P=ID DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK			NIL										
IPC = INTERNAL PLASTIC COATING.			CR = CRACK			N.P=NOSE PITTED			TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE			15										
CSA = CROSS SECTION AREA			BS =BOX SWELL			B.B=BODY BENT																			
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE:	White Contrast WCP-2			MANUFACTURE			BATCH NO			EXPIRE DATE			INSPECTOR NAME:			SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24				Magnafux			220602			JUN,2025			RAO SHAH			M.FHAID				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24				MANUFACTURE			BATCH NO			EXPIRE DATE			QUALIFICATION:			INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	017374	14-Aug-24				Magnafux			220605			JULY,2025			S. RAJ			WAQAS				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24				MANUFACTURE			BATCH NO			EXPIRE DATE			SIGNATURE			CLIENT:				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF			Magnafux			220306			MARCH,2025										
UV LIGHT INTENSITY:		3150 µw/cm²																							
14HF Concentration:		0.1 to 0.4 ml/100 ml				7HF Concentration:																			
						1.1 to 1.4 ml/100 ml																			



Al Takamul Company For Engineering Testing And Professional Safety Limited


5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	8 to 18

INSPECTION METHOD									
Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-
				Dimensional 2		✓	UT Wall Thickness	✓	
				UFDF OF SLIP UPSET AREA					

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWID TH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC	C2					C3	C4			
106	10045	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
107	50D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
108	01D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
109	X-133	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
110	222	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
111	10024	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
112	22	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
113	52D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
114	12-014	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
115	P19	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
116	X-29	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
117	X-2	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
118	X-148	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
119	X-134	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
120	X-12	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY																																			
PIN COND = PIN CONDITION			TD = THREAD DAMAGE			PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			15			PC = PREMIUM CLASS			15																																						
LP = LIGHT PITTING			SD = SEAL DAMAGE			MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			NIL			C2 = CLASS II			NIL																																						
S.P = SEVERE PITTING			PT = PITTED THREAD			W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			NIL			C3 = CLASSA III			NIL																																						
PIT.I.C = PIPE/TUBE INTERNAL CLEANING			SWO = SEAL WASHOUT			RB = RE REVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT			NIL			C4 = CLASSA IV			NIL																																						
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING			RF = RE FACING			ID.I.P=ID DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE JUNK			NIL																																												
IPC = INTERNAL PLASTIC COATING.			CR = CRACK			N.P=NOSE PITTED						DRILL PIPE USEABLE			15																																												
CSA = CROSS SECTION AREA			BS =BOX SWELL			8.B=BODY BENT																																																					
INSPECTION EQUIPMENT DETAILS												TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY																																			
EQUIPMENT		SERIAL NUMBER		CAL DUE DATE:		EQUIPMENT		SERIAL NUMBER		CAL DUE DATE:		White Contrast WCP-2		MANUFACTURE		BATCH NO		EXPIRE DATE		INSPECTOR NAME:		SENIOR INSPECTOR:																																					
AC YOE		201504053		14-Aug-24		GAUSS METER		14001175		14-Aug-24				Magnafux		220602		JUN,2025		RAO SHAH		M.FHAID																																					
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:		INSPECTION SUPERVISOR:																																					
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		K017374		14-Aug-24				Magnafux		220605		JULY,2025		RAO SHAH		WAQAS																																					
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		SIGNATURE		CLIENT:																																					
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24				Magnafux		220306		MARCH,2025																																									
UV LIGHT INTENSITY:				3150 µw/cm²								Fluorescent Magnetic Ink 14HF																																															
14HF Concentration:				0.1 to 0.4 ml/100 ml				7HF Concentration:				1.1 to 1.4 ml/100 ml																																															
												Original - Client Files												Copy - Area Office												QC/FN/DP/070												Rev.00											

Original - Client Files Copy - Area Office QC/FN/DR/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	9 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA				✓

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
121	X-411	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	Acceptable
122	10029	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
123	272	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
124	X-156	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
125	1324-014	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	9 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
126	4D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
127	10023	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
128	114	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
129	X-42	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
130	X-161	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
131	55D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
132	X-27	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
133	X-61	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	Acceptable
134	X-239	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
135	X-115	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION			TD = THREAD DAMAGE			PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			15			PC = PREMIUM CLASS			15				
LP = LIGHT PITTING			SD = SEAL DAMAGE			MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			NIL			C2 = CLASS II			NIL				
S.P = SEVERE PITTING			PT = PITTED THREAD			W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			NIL			C3 = CLASSA III			NIL				
PIT.I.C = PIPE/TUBE INTERNAL CLEANING			SWO = SEAL WASHOUT			RB = RE REVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT			NIL			C4 = CLASSA IV			NIL				
PIT.E.C = PIPE/TUBE EXTERNAL CLEANING			RF = RE FACING			I.D.I.P=ID DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE JUNK			NIL										
IPC = INTERNAL PLASTIC COATING.			CR = CRACK			N.P=NOSE PITTED						DRILL PIPE USEABLE			15										
CSA = CROSS SECTION AREA			BS =BOX SWELL			8.B=BODY BENT																			
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:															
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux	220602	JUN, 2025	RAO SOHAIL	M.FHAID															
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:															
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	8017374	14-Aug-24	Magnaflux	220605	JULY,2025	RAO WAQAS	WAQAS															
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE:	CLIENT:															
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Magnaflux	220306	MARCH,2025																	
UV LIGHT INTENSITY:		3150 µw/cm²																							
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:				1.1 to 1.4 ml/100 ml																	
Original - Client Files												Copy - Area Office		OC/FN/DP/070		Rev.00									

Original - Client Files Copy - Area Office QC/FN/DR/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	10 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA				✓

S NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
136	X-41	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
137	X-201	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
138	416	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	9 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
139	X-41	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
140	12-018	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
141	10028	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
142	X-9	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
143	X-229	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
144	X-214	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
145	36D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
146	X-176	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
147	10015	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
148	X-89	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	Acceptable
149	27D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
150	X-186	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable

Result:15 joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION			TD = THREAD DAMAGE			PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			PC = PREMIUM CLASS										
LP = LIGHT PITTING			SD = SEAL DAMAGE			MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			NIL			C2 = CLASS II										
S.P = SEVERE PITTING			PT = PITTED THREAD			W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECUT			NIL										
PIT.I.C = PIPE/TUBE INTERNAL CLEANING			SWO = SEAL WASHOUT			RB = RE REVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE RECHASE			NIL										
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING			RF = RE FACING			ID.D.I.P=ID DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE NEED TO BE STRAIGHT			NIL										
IPC = INTERNAL PLASTIC COATING.			CR = CRACK			N.P=NOSE PITTED			DRILL PIPE JUNK			NIL			C4 = CLASSA IV										
CSA = CROSS SECTION AREA			BS =BOX SWELL			8.B=BODY BENT			DRILL PIPE USEABLE			15													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT		SERIAL NUMBER		CAL.DUE DATE:		EQUIPMENT		SERIAL NUMBER		CAL.DUE DATE:		MANUFACTURE		BATCH NO		EXPIRE DATE		INSPECTOR NAME:		SENIOR INSPECTOR:					
AC YOKE		201504053		14-Aug-24		GAUSS METER		14001175		14-Aug-24		White Contrast WCP-2		Magnaflex		220602		JUN, 2025		M.FHAID					
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24		Black Magnetic Ink 7HF		Magnaflex		220605		JULY,2025		WAQAS					
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		8017374		14-Aug-24		Fluorescent Magnetic Ink 14HF		Magnaflex		220306		MARCH,2025							
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24															
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24															
UV LIGHT INTENSITY:				3150 µw/cm²																					
14HF Concentration:				0.1 to 0.4 ml/100 ml		7HF Concentration:				1.1 to 1.4 ml/100 ml															
Original - Client Files Copy - Area Office OC/FN/DP/070 Rev.00																									

Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00




Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



CUSTOMER:	DAQING DRILLING			LOCATION:	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM			REPORT PAGE NO:	11 to 18

[illegible]

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		2		PC = PREMIUM CLASS		2			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4>35%		DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL			
SP = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASS III		NIL			
P.I.T.C = PIPE/TUBE INTERNAL CLEANING		SWD = SEAL WASHOUT		RB = RE BEVEL		3= No loss; minor abrasion, 2>=25%, 3>=25% & <50%, 4>=50%		DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASS IV		NIL			
P.I.T.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FRACKING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING.		CR = CRACKING		N.P=NOSE PITTED				DRILL PIPE USEABLE		2							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:					
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN.2025	Rao SCHAAL	M.FHAID					
UT THICK. METER	520750	14-Aug-24	LUX METER	27222003	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:					
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY.2025	Rao SCHAAL	WAQAS					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	CLIENT:					
EMI UNIT	TSEZW05152269	15-Aug-24	PEIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH.2025							
UV LIGHT INTENSITY:		3150 µw/cm²															
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml											

Original - Client Files
Coop - Area Office
OC/ZN/DP/070
Rev.00



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	13-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	12 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION						OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEAL WIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC	C2					C3	C4			
1	777	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
2	X-48	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
3	X-85	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
4	S-19	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
5	10034	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
6	12-026	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	T.D	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
7	10046	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
8	43D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	T.D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
9	185	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	T.D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
10	X-54	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
11	113	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	T.D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
12	X-101	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
13	X-31	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
14	412	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
15	X-58	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	S&T.D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED

Result:15 Joints Were Found UnAcceptable From Box Connection Seal&Thread Damage Rejected.

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY			
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		15		C3 = CLASSA III		NIL			
PIT.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASSA IV		NIL			
PIT.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX				DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		N.P=NOSE PITTED		TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE USEABLE		-							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:				SENIOR INSPECTOR:					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN, 2025	RAO SHAH				M.FHAID					
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:				INSPECTION SUPERVISOR:					
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	017374	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220605	JULY, 2025	S. RAJ				WAQAS					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE				CLIENT:					
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH, 2025										
UV LIGHT INTENSITY:		3150 µw/cm²																	
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml													
Original - Client Files Copy - Area Office OC/FN/DP/070 Rev.00																			

Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	13 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)								BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THICK.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN SEALWIDTH	PIN TONG SPACE		Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDI ON.					PC	C2	C3	C4	
16	277	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.383"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
17	P01	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	BODY BENT	OK	0.393"	-	-	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGES&BODY BENT REJECTED
18	X-13	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
19	X-107	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
20	X-22	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
21	M21	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
22	1149	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	8 1/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.387"	✓	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
23	X-30	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
24	X-10	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
25	X-531	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
26	1814-003	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
27	S-3	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
28	X-123	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
29	M27	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
30	10030	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED

Result:15 Joints Were Found UnAcceptable From Box Connection Seal&Thread Damage&Body Bent Rejected.

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY		
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15		
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL		
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL		
PIT.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		1		C4 = CLASSA IV		NIL		
PIT.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE JUNK		NIL						
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		N.P=NOSE PITTED						DRILL PIPE USEABLE		-						
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT														
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY		
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE:	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:							
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220602	JUN,2025		M.FHAID							
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE		INSPECTION SUPERVISOR:							
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	017374	14-Aug-24		Magnaflux	220605	JULY,2025		WAQAS							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	CLIENT:									
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025									
UV LIGHT INTENSITY:		3150 µw/cm²																
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml												
Original - Client Files Conv - Area Office OC/FN/DP/070 Rev.00																		

Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00



Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	14 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)								BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THICK.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN SEAL W DTH	PIN TONG SPACE		Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDIT ON.					PC	C2	C3	C4	
31	X-20	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
32	S4	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE&BODY BENT REJECTED
33	62D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/4"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
34	59D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
35	X-145	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
36	1009	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 7/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
37	X-131	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
38	X-1	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
39	46D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	6 1/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
40	512D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 3/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
41	1555-003	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 5/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
42	X-206	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/8"	OK	OK	OK	OK	OK	T.D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
43	X-32	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/8"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
44	P15	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
45	10026	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"		6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 7/8"	OK	OK	OK	OK	OK	T.D	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED

Result:15 Joints Were Found UnAcceptable From Box Connection Seal&Thread Damage&Body Bent Rejected.

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY		
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15		
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL		
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL		
PIT.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		1		C4 = CLASSA IV		NIL		
PIT.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE JUNK		NIL						
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		N.P=NOSE PITTED						DRILL PIPE USEABLE		-						
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT														
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY		
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	White Contrast WCP-2		MANUFACTURE		BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux		220602	JUN,2025	RAO SHAHID		M.FHAID				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24			MANUFACTURE		BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	017374	14-Aug-24			Magnaflux		220605	JULY,2025	RAO		WAQAS				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE		CLIENT:				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux		220306	MARCH,2025							
UV LIGHT INTENSITY:		3150 µw/cm²																
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:														
				1.1 to 1.4 ml/100 ml														
Original - Client Files Conv - Area Office OC/FN/DP/070 Rev.00																		

Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00




Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



CUSTOMER:	DAQING DRILLING			LOCATION:	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM			REPORT PAGE NO:	15 to 18

[illegible]


ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREADED DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		1		PC = PREMIUM CLASS		1			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4= >35%		DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASS III		NIL			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		3= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASS IV		NIL			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE CRACK		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		N.P=NOSE PITTED				DRILL PIPE USEABLE		-							
CSA = CROSS SECTION AREA		BS = BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:					
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN.2025	Rao SACHAL CHITRA	M.FHAID					
UT THICK. METER	520750	14-Aug-24	LUX METER	27222003	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:					
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	IO17374	14-Aug-24			Magnaflux	220605	JULY.2025	RAO SACHAL CHITRA	WAQAS					
BLACK LIGHT	1900084	14-Aug-24	IDENTITY METER	1608000134	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	CLIENT:					
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH.2025							
UV LIGHT INTENSITY:		3150 µw/cm²		14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF					

Original - Client Files
Coop - Area Office
OC/ZN/DP/070
Rev.00



CUSTOMER:	DAQING DRILLING			LOCATION:	R-807	RIG No:	DQ-12	DATE OF WORK:	14-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM			REPORT PAGE NO:	16 to 18

[illegible]

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		PC = PREMIUM CLASS		4					
L.P = LIGHT PITTING		SD = SEAM DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4= >35%		DRILL PIPE NEED TO BE RECUT		C2 = CLASS II		NIL					
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		C3 = CLASS III		NIL					
P.I.T.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		3= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		C4 = CLASS IV		NIL					
P.I.T.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE CRACKING		I.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK									
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		N.P=NOSE PITTED				DRILL PIPE USEABLE									
CSA = CROSS SECTION AREA		BS = BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY	
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:							
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux	220602	JUN.2025	Rao SCHAAL	M.FHAID							
UT THICK. METER	520750	14-Aug-24	LUX METER	27222003	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:							
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	IO17374	14-Aug-24	Magnaflux	220605	JULY.2025	RAO SCHAAL	WAQAS							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	CLIENT:							
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Magnaflux	220306	MARCH.2025									
UV LIGHT INTENSITY:		3150 µw/cm²															
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml											
						<div> <div>Original - Client Files</div> <div>Coop - Area Office</div> <div>OC/ZN/DP/070</div> <div>Rev.00</div> </div>											



Al Takamul Company For Engineering Testing And Professional Safety Limited

5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	DAQING DRILLING				LOCATION	R-807	RIG No:	DQ-12	DATE OF WORK:	13-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / NC50 CONNECTION OEM				REPORT PAGE NO:	17 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI	✓	Heat Checking	✓	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

SNO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN SEAL WIDTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC	C2	C3					C4				
1	5577	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	T.P	OK	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	PIN SIDE THREAD PITTED REJECTED
2	S-15	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	T.D	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	PIN SIDE THREAD DAMAGE REJECTED
3	555	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 7/8"	OK	OK	OK	OK	S&T.D	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
4	X-12	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	T&S.D	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
5	X-227	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	T&S.D	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
6	7D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	T&S.D	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
7	2222	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/4"	OK	OK	OK	OK	T&S.D	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
8	S7	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	T&S.D	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
9	X-198	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/2"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	T&S.D	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
10	X-37	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	PIN SIDE SEAL DAMAGE REJECTED
11	2D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	T&S.P	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL PITTED REJECTED
12	X-23	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 1/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	T.D	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	PIN SIDE THREAD DAMAGE REJECTED
13	777	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	T.D	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	PIN SIDE THREAD DAMAGE REJECTED
14	10058	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	S&T.D	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED
15	X-90	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	S&T.D	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	PIN SIDE THREAD&SEAL DAMAGE REJECTED


Result:15 Joints Were Found Acceptable From Pin Connection Thread&Seal Damage&Thread Pitted Rejected .

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY		
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15		
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL		
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		15		C3 = CLASSA III		NIL		
PIT.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASSA IV		NIL		
PIT.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke Upset OR SLIP AREA PIN, BOX				DRILL PIPE JUNK		NIL						
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		N.P=NOSE PITTED		TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE USEABLE		-						
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT														
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY		
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE:	White Contrast WCP-2		MANUFACTURE		BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux		220602	JUN, 2025	RAO SOHAIL		M.FHAID				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24			MANUFACTURE		BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	8017374	14-Aug-24			Magnaflux		220605	JULY, 2025	RAO		WAQAS				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE:		CLIENT:				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux		220306	MARCH, 2025							
UV LIGHT INTENSITY:		3150 µw/cm²																
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml												
Original - Client Files Copy - Area Office OC/FN/DP/070 Rev.00																		



CUSTOMER:	DAQING DRILLING			LOCATION:	R-807	RIG No:	DQ-12	DATE OF WORK:	15-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-12-QC-24-APR-018
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM			REPORT PAGE NO:	18 to 18

[illegible]

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		3		PC = PREMIUM CLASS		3			
LP = LIGHT PITTING		ED = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4= >35%		DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL			
SP = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		3		C3 = CLASS III		NIL			
P.I.T.C = PIPE/TUBE INTERNAL CLEANING		SWD = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASS IV		NIL			
P.I.T.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE CRACK		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING		CR = CRACKING		N.P=NOSE PITTED				DRILL PIPE USEABLE		-							
CSA = CROSS SECTION AREA		BS = BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY	
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN.2025	RAO SACHIN		M.FHAID				
UT THICK. METER	520750	14-Aug-24	LUX METER	27222003	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	IO17374	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY.2025	RAO SACHIN		WAQAS				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH.2025							
UV LIGHT INTENSITY:		3150 µw/cm²															
14HF Concentration:		0.1 to 0.4 m/100 ml		7HF Concentration:		1.1 to 1.4 m/100 ml											

Original - Client Files
Coop - Area Office
OC/ZN/DP/070
Rev.00