



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-22 / RU-618



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



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Iraq, Basra, Norh Rumaila

Customer	DAQING DRILLING	Date Of Service	29.MAY.2024
Location	DQ-22	References	DS-1 Fifth Edition, Volume 3 /CAT-5

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 (116) 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 | * Re Doped |
| * EMI ₁ | |
| * Complete Inspection Of Drill Pipe In Accordance With DS-1 Fifth Edition, Volume 3 /CAT-5 | |

Result

*** (116) 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.

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

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

REJECTION DETAILS FROM PIN & BOX CONNECTION

*** 20 Joints Were Found Un-Acceptable From Box Side Thread&Seal damage&Thread Pitted (Rejected)

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

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



ONLINE TRACEABILITY



Corporate
Partner



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Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

CUSTOMER:	DAQING DRILLING				LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	29-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	1 to 11	

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

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 ID	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 CONDITION.	PC					C2	C3	C4		
1	31811	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8"	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	0.381"	-	OK	✓	..	..	-	Acceptable	
2	31493	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.393"	-	OK	✓	..	..	-	Acceptable	
3	77014	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 1/16"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable	
4	2255	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/2"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	Acceptable	
5	2217	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable	
6	31794	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 15/16"	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	0.390"	-	OK	✓	..	..	-	Acceptable	
7	77009	6 18/32"	3 1/4"	4 1/2"	1/2"	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	
8	77206	6 18/32"	3 1/4"	4 1/2"	1/2"	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	
9	77174	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
10	2233	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
11	77388	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable	
12	77309	6 18/32"	3 1/4"	4 1/2"	1/2"	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	3	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable	
13	2236	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	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	0.392"	-	OK	✓	..	..	-	Acceptable	
14	77157	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
15	26545	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	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							
L.P = LIGHT FITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= >20%, 3= >20% AND <35% 4= >35%	DRILL PIPE NEED TO BE RE CUT		NIL		C2 = CLASS II		NIL							
S.P = SEVERE FITTING	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							
PT.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 = CLASS IV		NIL							
PT.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=PHOSE 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	Black Magnetic Ink 7HF	Magnaflux	220602	JUN,2025	RAG SORVAL	M.F.HAD						
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	1017374	14-Aug-24		Magnaflux	220605	JULY,2025	PICTURE	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: 3050 μw/cm²																	
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration:		1.2 to 2.4 ml/100 ml													
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5" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION,VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	DAQING DRILLING				LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	29-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	2 to 11	

INSPECTION METHOD																										
Visual Tube		v	Visual Connection			v	MPI Connection			v	MPI Slip & Upset			v	Dry MPI			-	Dimensional 2			v	UT Wall Thickness			v
EMI1		v	Heat Checking			v	OD Gauge			v	TH.Profile Gauge			v	DPT			-	UFD OF SLIP UPSET AREA							v

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 ID	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 CONDITION	PC					C2	C3	C4		
16	31800	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/8"	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	
17	31741	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	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	0.390"	-	OK	✓	..	..	-	Acceptable	
18	2235	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 1/4"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable	
19	31815	6 18/32"	3 1/4"	4 1/2"	1/2"	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	
20	77026	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/4"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
21	31552	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
22	77120	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 5/8"	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	0.366"	-	OK	✓	..	..	-	Acceptable	
23	77260	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
24	77023	6 18/32"	3 1/4"	4 1/2"	1/2"	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	
25	77247	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/2"	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	0.387"	-	OK	✓	..	..	-	Acceptable	
26	31456	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.390"	-	OK	✓	..	..	-	Acceptable	
27	77220	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/4"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
28	77362	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
29	77059	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.366"	-	OK	✓	..	..	-	Acceptable	
30	2218	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	3	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										
L.P = LIGHT FITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= >20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RE CUT			NIL										
S.P = SEVERE FITTING	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										
PT.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL				DRILL PIPE NEED TO BE STRAIGHT			NIL										
PT.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P= DEEP INTERNAL PITTING				DRILL PIPE JUNK			NIL										
IPC = INTERNAL PLASTIC COATING	CR = CRACK	N=PHOSE PITTED	Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX																
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.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	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				M.F.HAD						
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	1017374	14-Aug-24	Magnaflux	220605	JULY,2025	WAQAS										
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE				CLIENT:						
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnaflux	220306	MARCH,2025										
UV LIGHT INTENSITY: 3050 µw/cm²						Fluorescent Magnetic Ink 14HF													
14HF Concentration: 0.1 to 0.4 mJ/100 ml		7HF Concentration:		1.2 to 2.4 mJ/100 ml															
Original - Client Files														Copy - Area Office		QC/FN/DP/070		Rev.00	

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



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Contact: +964-781-000-9138



Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

CUSTOMER:	DAQING DRILLING				LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	29-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	3 to 11	

INSPECTION METHOD

Visual Tube	v	Visual Connection	v	MPI Connection	v	MPI Slip & Upset	v	Dry MPI	-	Dimensional 2	v	UT Wall Thickness	v
EMI	v	Heat Checking	v	OD Gauge	v	TH.Profile Gauge	v	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 ID	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 CONDITION	PC	C2	C3		C4
31	2263	6 18/32"	3 1/4"	4 1/2"	7/16	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.377"	-	OK	✓	..	..	-	Acceptable
32	2261	6 18/32"	3 1/4"	4 1/2"	7/16	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
33	31516	6 18/32"	3 1/4"	4 1/2"	1/2"	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	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
34	77346	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	9 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	-	OK	✓	..	..	-	Acceptable
35	31468	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.390"	-	OK	✓	..	..	-	Acceptable
36	77153	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/8"	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	0.387"	-	OK	✓	..	..	-	Acceptable
37	2257	6 18/32"	3 1/4"	4 1/2"	7/16	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
38	31808	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable
39	31700	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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
40	31624	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.366"	-	OK	✓	..	..	-	Acceptable
41	31681	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable
42	77159	6 18/32"	3 1/4"	4 1/2"	1/2"	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	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
43	26553	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.394"	-	OK	✓	..	..	-	Acceptable
44	77266	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable
45	77330	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/4"	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	0.376"	-	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			
L.P = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% >35%				DRILL PIPE NEED TO BE RE CUT		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			
PT.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		ID.D.I.P= DEEP INTERNAL PITTING				DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASS IV		NIL			
PT.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		N=HOLE PITTED		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX				DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING		CR = CRACK		B.B=BODY BENT		TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE USEABLE		15							
CSA = CROSS SECTION AREA		BS =BOX SWELL																	
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.F.HAD								
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	1017374	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE		WAQAS								
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE		CLIENT:								
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnaflux	220306	MARCH,2025										
UV LIGHT INTENSITY:			3050 µw/cm²																
14HF Concentration:		0.1 to 0.4 m/100 ml		7HF Concentration:		1.2 to 2.4 m/100 ml													
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Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

CUSTOMER:	DAQING DRILLING				LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	30-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	4 to 11	

INSPECTION METHOD																										
Visual Tube		v	Visual Connection			v	MPI Connection			v	MPI Slip & Upset			v	Dry MPI			-	Dimensional 2			v	UT Wall Thickness			v
EMI1		v	Heat Checking			v	OD Gauge			v	TH.Profile Gauge			v	DPT			-	UFD OF SLIP UPSET AREA							v

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 ID	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 CONDITION	PC					C2	C3	C4		
46	77007	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8"	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	0.383"	-	OK	✓	..	..	-	Acceptable	
47	31644	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.393"	-	OK	✓	..	..	-	Acceptable	
48	2219	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	OK	3	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable	
49	31826	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/2"	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	
50	76976	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 3/8"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
51	31767	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 15/16"	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	0.390"	-	OK	✓	..	..	-	Acceptable	
52	31775	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable	
53	77366	6 18/32"	3 1/4"	4 1/2"	1/2"	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	
54	77073	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable	
55	2227	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
56	31430	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable	
57	31726	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.388"	-	OK	✓	..	..	-	Acceptable	
58	77037	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 3/8"	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	0.392"	-	OK	✓	..	..	-	Acceptable	
59	31784	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
60	6276	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	3	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															
L.P.= LIGHT FITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= >20%, 3= >20% AND 50% 4= >50%	DRILL PIPE NEED TO BE RE CUT		NIL	C2 = CLASS II	NIL															
S.P. = SEVERE FITTING	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															
PT.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 = CLASS IV	NIL															
PT.E.C. = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P.= 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=PHOSE 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		INSPECTION SUPERVISOR:		WAQAS		CLIENT:								
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	1017374	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE															
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220605	JULY,2025														
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24				MANUFACTURE	BATCH NO	EXPIRE DATE												
UV LIGHT INTENSITY:				2900 µw/cm²																			
14HF Concentration:		0.1 to 0.4 mJ/100 ml	7HF Concentration:		1.2 to 2.4 mJ/100 ml	Fluorescent Magnetic Ink 14HF																	

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Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

CUSTOMER:	DAQING DRILLING				LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	30-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	5 to 11	

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

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 ID	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 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 CONDITION.	PC	C2					C3	C4			
61	77046	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.390"	-	OK	✓	..	..	-	Acceptable	
62	26548	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
63	77042	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.376"	-	OK	✓	..	..	-	Acceptable	
64	31656	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.366"	-	OK	✓	..	..	-	Acceptable	
65	31694	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.366"	-	OK	✓	..	..	-	Acceptable	
66	77005	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 5/8"	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	
67	2216	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 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
68	2229	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 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
69	77276	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.366"	-	OK	✓	..	..	-	Acceptable	
70	77302	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.386"	-	OK	✓	..	..	-	Acceptable	
71	77122	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
72	22-14	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 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable	
73	2207	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"	6 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.394"	✓	OK	✓	..	..	-	Acceptable	
74	31804	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.386"	-	OK	✓	..	..	-	Acceptable	
75	77329	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.376"	-	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							
L.P = 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 RE CUT		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		ID.D.I.P= DEEP INTERNAL PITTING				DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASS IV		NIL							
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		N=PHOSE PITTED		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX				DRILL PIPE JUNK													
IPC = INTERNAL PLASTIC COATING		CR = CRACK		B.B=BODY BENT		TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE USEABLE		15											
CSA = CROSS SECTION AREA		BS =BOX SWELL																					
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	RAC SOHAIL	M.F.HAD												
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	1017374	14-Aug-24		Magnaflux	220605	JULY,2025	PIET B MATHI	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:				2900 µw/cm²																			
14HF Concentration:		0.1 to 0.4 mJ/100 ml		7HF Concentration:		1.2 to 2.4 mJ/100 ml																	
								Original - Client Files				Copy - Area Office				QC/FN/DP/070				Rev.00			

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



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Contact: +964-781-000-9138



Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

CUSTOMER:	DAQING DRILLING				LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	30-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	6 to 11	

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

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 ID	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 CONDITION	PC					C2	C3	C4		
61	77046	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.390"	-	OK	✓	..	..	-	Acceptable	
62	26548	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable	
63	77042	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.376"	-	OK	✓	..	..	-	Acceptable	
64	31656	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.366"	-	OK	✓	..	..	-	Acceptable	
65	31694	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.366"	-	OK	✓	..	..	-	Acceptable	
66	77005	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 5/8"	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	
67	2216	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 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
68	2229	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 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
69	77276	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.366"	-	OK	✓	..	..	-	Acceptable	
70	77302	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.386"	-	OK	✓	..	..	-	Acceptable	
71	77122	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable	
72	22-14	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 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable	
73	2207	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"	6 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.394"	✓	OK	✓	..	..	-	Acceptable	
74	31804	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.386"	-	OK	✓	..	..	-	Acceptable	
75	77329	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.376"	-	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							
L.P = LIGHT FITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= >20%, 3= >20% AND <35% 4= >35%	DRILL PIPE NEED TO BE RE CUT		NIL		C2 = CLASS II		NIL							
S.P = SEVERE FITTING	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							
PT.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 = CLASS IV		NIL							
PT.E.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P= 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=HOLE 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	Black Magnetic Ink 7HF	Magnaflux	220602	JUN,2025	RAG SORIAL	M.F.HAD						
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	1017374	14-Aug-24		Magnaflux	220605	JULY,2025	INSPECTION SUPERVISOR:	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: 2900 μw/cm²																	
14HF Concentration: 0.1 to 0.4 m/100 ml		7HF Concentration:		1.2 to 2.4 m/100 ml													
Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00																	



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CUSTOMER:	DAQING DRILLING			LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	30-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY016
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3/CAT-5			REPORT PAGE NO:	7 to 11

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 ID	PIN CONNEC- TION 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	
76	77232	6 18/32"	3 1/4"	4 1/2"	1/2"	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	OK	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	Acceptable
77	4434	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	3	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
78	77236	6 18/32"	3 1/4"	4 1/2"	1/2"	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	0.386"	-	OK	✓	..	..	-	Acceptable
79	31535	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/8"	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	0.372"	-	OK	✓	..	..	-	Acceptable
80	31449	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	8 1/4"	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
81	77096	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.390"	-	OK	✓	..	..	-	Acceptable
82	2204	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"	OK	OK	OK	OK	OK	OK	OK	OK	3	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
83	31771	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 1/4"	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
84	31814	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	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	0.386"	-	OK	✓	..	..	-	Acceptable
85	77184	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 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	0.376"	-	OK	✓	..	..	-	Acceptable
86	77147	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 3/4"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable

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 st No loss; minor abrasion, 2 nd <50%, 3 rd >50% and <55% <+35%			11			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)			NIL			NIL			
PT.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL				NIL			C3 = CLASS III			
PT.L.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	I.D.I.P.H.D DEEP INTERNAL PITTING				NIL			C4 = CLASS IV			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK	N.P=NOSE PITTED	Magnetic Particle inspection by AC Yoke UPSET OR SLP AREA PIN, BOX			DRILL PIPE JUNK						
CSA = CROSS SECTION AREA	BS = BOX SWELL	B.B=BODY BENT	TO MPH 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE			11			
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:		
GAUSS METER	201550853	14-Aug-24	GAUSS METER	14011175	14-Aug-24	White Contrast WCP-2	Magnaflux	220602	JUN,2025	RAG SOWAL	M.F.HAD	
UT THICK METER	520750	14-Aug-24	LUX METER	2722023	14-Aug-24		Magnaflux	2722023	14-Aug-24	QUALIFICATION	INSPECTION SUPERVISOR:	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	6017374	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220605	JULY.2025	PRIT BIR MANDAL	WAQAS	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		Magnaflux	220306	MARCH,2025	SINHA VIKAS	CLIENT:	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025			
UV LIGHT INTENSITY: 2900 µW/cm²												
14HF Concentration: 0.1 to 0.4 mW/100 ml			7HF Concentration: 1.2 to 2.4 mW/100 ml									
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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	RU-618	RIG No:	DQ-22	DATE OF WORK:	29-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	8 to 11

INSPECTION METHOD																				
Visual Tube		v	Visual Connection		v	MPI Connection		v	MPI Slip & Upset		v	Dry MPI		-	Dimensional 2		v	UT Wall Thickness		v
EMI1		v	Heat Checking		v	OD Gauge		v	TH Profile Gauge		v	DPT		-	UFD OF SLIP UPSET AREA					v

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 ID	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 CONDITION	PC	C2	C3					C4				
1	2254	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 5/8"	OK	OK	OK	OK	OK	S.D	OK	OK	3	OK	OK	OK	OK	OK	0.379"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE & THREAD PITTED REJECTED
2	77328	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 15/16"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/2"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
3	31489	6 18/32"	3 1/4"	4 1/2"	1/2"	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	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.382"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
4	31597	6 18/32"	3 1/4"	4 1/2"	1/2"	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	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
5	31407	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
6	2205	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 1/8"	OK	OK	OK	OK	OK	T&S.D	OK	OK	3	OK	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE THREAD & SEAL DAMAGE REJECTED
7	31566	6 18/32"	3 1/4"	4 1/2"	1/2"	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	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
8	2262	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	11"	OK	OK	OK	OK	OK	S.D	OK	OK	3	OK	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
9	31486	6 18/32"	3 1/4"	4 1/2"	1/2"	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	T&S.D	OK	OK	2	OK	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE THREAD & SEAL DAMAGE REJECTED
10	2213	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	7 3/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10"	OK	OK	OK	OK	OK	S.D	OK	OK	3	OK	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
11	77374	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 1/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
12	77189	6 18/32"	3 1/4"	4 1/2"	1/2"	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	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
13	77089	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	T&S.D	OK	OK	2	OK	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	BOX SIDE THREAD & SEAL DAMAGE REJECTED
14	2253	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 5/8"	OK	OK	OK	OK	OK	S.D	OK	OK	3	OK	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
15	77151	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10/32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED

Result: 15 Joints Were Found UnAcceptable From Box Connection Thread & Seal Damage & Thread Pitted Premium Class (P/C) Rejected.

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND. = PIN CONDITION				PS = PITTED SEAL				INTERNAL PLASTIC COATING (IPC) Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED				15	
L.P = LIGHT PITTING				MS = MASHED SEAL				1 No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT				N/A	
S.P = SEVERE PITTING				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				N/A	
PIT.LC = PIPE/TUBE INTERNAL CLEANING				RB = RE BEVEL				1= No loss; minor abrasion, 2= <25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT				N/A	
PIT.LC = PIPE/TUBE EXTERNAL CLEANING				I.D.L.P.H.D DEEP INTERNAL PITTING				Magnetic Particle Inspection By AC Yoke UPSET OR SUP AREA PIN, BOX				DRILL PIPE JUNK				N/A	
IPC = INTERNAL PLASTIC COATING				N.P=NOSE PITTED				TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE USEABLE				-	
CSA = CROSS SECTION AREA				B.B=BODY BENT													

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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	RU-618	RIG No:	DQ-22	DATE OF WORK:	30-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY-016	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	9 to 11	

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

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)							BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BACK DRIFT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	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 CONDITION.	PC	C2	C3					C4				
16	31522	6 18/32"	3 1/4"	4 1/2"	1/2"	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	S.D	OK	OK	2	OK	OK	OK	OK	0.380"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE/THREAD PITTED REJECTED	
17	22-002	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	S.D	OK	OK	3	OK	OK	OK	OK	0.382"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED	
18	76983	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED	
19	62110	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 5/8"	OK	OK	OK	OK	OK	S.D	OK	OK	3	OK	OK	OK	OK	0.379"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED	
20	77117	6 18/32"	3 1/4"	4 1/2"	1/2"	6 2/32"	13/32"	7 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.384"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED	

Result:05 Joints Were Found UnAcceptable From Box Connection Seal Damage Premium Class (P/C) 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		5		PC = PREMIUM CLASS		5							
L.P. = LIGHT PITTING		PT = PITTED THREAD		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS II		N/A							
S.P. = SEVERE PITTING		SWO = SEAL WASHOUT		W.O.T = WORN OUT THREAD		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				DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS III		N/A							
PIT.I.C = PIPE/TUBE INTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING						DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A							
IPC = INTERNAL PLASTIC COATING		CR = CRACK		N.P=NOSE PITTED						DRILL PIPE JUNK		N/A											
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT						DRILL PIPE USEABLE		-											
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		Magnaflux		220602		JUN,2025		RAC SOHAIL M.F.HAD			
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		INSPECTION SUPERVISOR:			
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		017374		14-Aug-24													
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24													
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24										WAQAS			
UV LIGHT INTENSITY:				2900 J/mcm²																			
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:				1.2 to 2.4 ml/100 ml															

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CUSTOMER:	DAQING DRILLING			LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	29-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY016
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3/CAT-5			REPORT PAGE NO:	10 to 11

[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		1		PC = PREMIUM CLASS		1			
LP = LIGHT PITTING		SD = SEVERE DAMAGED		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <50%, 3= >50% and <55% 4= >55%		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS II		N/A			
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		N/A		C3 = CLASS III		N/A			
PT.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >5%, 3= >5% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
PT.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		I.D.I.P.H.D DEEP INTERNAL PITTING		Magnetic Particle Inspection by AC Yoke UPSET OR SUP AREA PIN, BOX TO MPR 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A							
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:							
GAUSS METER	201550853	14-Aug-24	GAUSS METER	14011175	14-Aug-24	White Contrast WCP-2	Magnaflux	220602	JUN,2025	RAG SOWAL	M.F.HAD						
UT THICK METER	520750	14-Aug-24	LUX METER	2722023	14-Aug-24		Magnaflux	220605	JULY,2025	INSPECTION SUPERVISOR:	WAQAS						
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	6017374	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220306	MARCH,2025	CLIENT:							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		Magnaflux	220306	MARCH,2025								
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025								
UV LIGHT INTENSITY:		3050 μW/cm²															
14HF Concentration:		0.1 to 0.4 mW/100 ml		7HF Concentration:		1.2 to 2.4 mW/100 ml											



CUSTOMER:	DAQING DRILLING			LOCATION	RU-618	RIG No:	DQ-22	DATE OF WORK:	30-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	DQ-22-QC-24-MAY016
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3/CAT-5			REPORT PAGE NO:	11 to 11

[illegible]

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND. = PIN CONDITION		TD = TYPICAL DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC) Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		9		PC = PREMIUM CLASS		9			
L.P = 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			
PIT LC = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL				DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASS IV		NIL			
PIT LC = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.LPHID DEEP INTERNAL PITTING		1+ No loss; minor abrasion, 2+ <25%, 3+ >25% & <50%, 4+ >50%		DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING		CR = CRACK		N.P-NOSE PITTED		Magnetic Particle Inspection By AC Yoke UPSET OR SUP AREA PIN, BOX		DRILL PIPE USEABLE		-							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT		TO MPH 48" FROM BOX AND 36" FROM PIN											
INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	INSPECTOR NAME:	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:						
AC YOK	20150453	14-Aug-24	GAUSS METER	14001179	14-Aug-24	White Contrast WCP-2	Magnaflux	220602	JUN,2025	RAG SORVAL	M.F.HAD						
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	Black Magnetic Ink 7HF	Magnaflux	220605	JULY,2025	INSPECTION SUPERVISOR:	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:		2900 μW/cm²															
14HF Concentration:		0.1 to 0.4 mW/100 ml		7HF Concentration:		1.2 to 2.4 mW/100 ml											

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