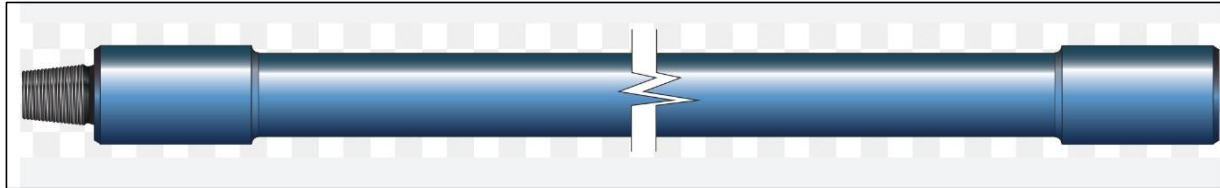




QUALITY CONTROL

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-37 / RU-610



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	07.APR.2024
Location	RU-610	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 (28) of Joints 5" Drill Pipe Grade S2(S-135) Connection (NC50) weight (19.50 lbs/ft)

These Procedures Done On All Pipes As Below.

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

Result

*** (28) No's Joints 5" OD Drill Pipe Grade S-135 Weight 19.50 lbs/ft With (NC50) Total Inspected As Per (DS-1) Standards.

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

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

REJECTION DETAILS FROM PIN & BOX CONNECTION

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

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

*** 5 Joints Were Found Un-Acceptable From Pin&Box Side Seal&Thread Damage&Galled Thread (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:	DAQUING DRILLING			LOCATION:	RU-610	RIG No:	DQ-37	DATE OF WORK:	7-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	DO-37-QC-24-APR-004
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 4

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				MOORE CONNECTION INSPECTION				VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EM	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONN LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALW DTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BOX CONN LTH	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	81269	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	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	81643	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.369"	-	OK	√	-	Acceptable		
3	81568	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	√	..	..	-	Acceptable	
4	81296	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.372"	√	OK	√	..	..	-	Acceptable	
5	81316	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	√	OK	√	..	..	-	Acceptable	
6	81639	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	√	OK	√	..	..	-	Acceptable	
7	81604	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	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	
8	81206	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	11 3/4"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	√	..	..	-	Acceptable	
9	81490	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	7 5/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	√	OK	√	..	..	-	Acceptable	
10	81402	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	√	..	..	-	Acceptable	
11	81248	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	12"	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	√	..	..	-	Acceptable	

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

ABBREVIATIONS USED PIN COND = PIN CONDITION LP = LIGHT PITCHING SP = SEVERE PITCHING P/T.I.C = PIPE/TUBE INTERNAL CLEANING P/T.E.C = PIPE/TUBE EXTERNAL CLEANING IPC = INTERNAL PLASTIC COATING CSA = GROSS SECTION AREA TD = THREAD DAMAGE SD = SEAL DAMAGE PT = PITCHED 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.PAID DEEP INTERNAL PITCHING N.P.=NOSE PITTED B.B=BODY BENT			REPRESENTATIONS INTERNAL PLASTIC COATING (IPC) Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <25%, 3=>25% 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			SUMMARY OF DRILL PIPE INSPECTION TOTAL DRILL PIPE INSPECTED 11 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 11			CLASSIFICATION OF DRILL PIPE PC = PREMIUM CLASS 11 C2 = CLASS II NIL C3 = CLASS III NIL C4 = CLASS IV NIL			ONLINE TRACEABILITY
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	RAG SOHAL	M.FHAD		
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Magnaflux	220605	JULY,2025	QUALIFICATION:	INSPECTION SUPERVISOR:		
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24	Magnaflux	220306	MARCH,2025	CLIENT:	WAQAS		
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	160800134	14-Aug-24							
EMI LMT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24							
UV LIGHT INTENSITY: 3050 μw/cm²			14HF Concentration: 0.1 to 0.4 ml/100 ml			7HF Concentration: 1.1 to 1.4 ml/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-610	RIG No:	DO-37	DATE OF WORK:	7-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	DO-37-QC-24-APR-004-1
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 4	

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		INTERNAL CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS			
		PIN OD.	PIN LD	PIN CONN LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALW DTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BOX CONN LTH	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	81232	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	12"	OK	OK	OK	OK	T&S D	T-D	OK	OK	2	OK	OK	OK	OK	OK	0.378"	-	OK						PIN SIDE THREAD SEAL DAMAGE BOX SIDE THREAD DAMAGE REJECTED
2	81561	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	S.D	S.D&G.T	OK	OK	2	OK	OK	OK	OK	0.381"	-	OK						PIN SIDE SEAL DAMAGE BOX SIDE SEAL DAMAGE REJECTED	
3	JDAB81380	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	8"	OK	OK	OK	OK	S.D	S.D	OK	OK	2	OK	OK	OK	OK	0.375"	v	OK						PIN SIDE SEAL DAMAGE BOX SIDE SEAL DAMAGE REJECTED	
4	81353	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	11 3/8"	OK	OK	OK	OK	S.D	S.D	OK	OK	2	OK	OK	OK	OK	0.379"	-	OK						PIN SIDE SEAL DAMAGE BOX SIDE SEAL DAMAGE REJECTED	
5	81581	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	8"	OK	OK	OK	OK	S.D	T-D	OK	OK	2	OK	OK	OK	OK	0.381"	v	OK						PIN SIDE SEAL DAMAGE BOX SIDE THREAD DAMAGE REJECTED	

Result: 05 Joints Were Found UnAcceptable From Pin Connection Seal & Thread Damage & Box Connection Seal & Thread Damage & Galled Thread Rejected.

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		ONLINE TRACEABILITY			
PN COND = PIN CONDITION	LD = LIGHT PITTING	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			
SP = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	MS = MASHED SEAL	1- No loss; minor abrasion, 2- <25%, 3- >25% AND <35% 4- >35%	DRILL PIPE NEED TO BE RECUT	NIL	C2 = CLASS II	NIL			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL	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	5	C3 = CLASSA III	NIL			
P.T.E.C = PIPE/TUBE EXTERNAL CLEANING	G.T = GALLED THREAD	ID.D.I.PAID DEEP INTERNAL PITTING	N.P.=NOSE PITTED	3- No loss; minor abrasion, 2- >25%, 3- >25% & <50%, 4- >50%	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASSA IV	NIL			
IPC = INTERNAL PLASTIC COATING	CR = CRACK	N.P.=NOSE PITTED	B.B=BODY BENT	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					
CSA = GROSS SECTION AREA	BS = BOX SWELL				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 YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux	220602	JUN,2025	RAG SOHAL	M.FHAD	
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Magnaflux	1017374		QUALIFICATION:	INSPECTION SUPERVISOR:	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR			Magnaflux	220605	JULY,2025		WAQAS	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	160800134	14-Aug-24	Magnaflux	220306	MARCH,2025		CLIENT:	
EMI LINT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24						
UV LIGHT INTENSITY:		3050 µw/cm²									
14HF Concentration:	0.1 to 0.4 ml/100 ml	7HF Concentration:	1.1 to 1.4 ml/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-610	RIG No:	DQ-37	DATE OF WORK:	7-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	DQ-37-QC-24-APR-004-2
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 4

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		CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EM	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN CONN LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALW DTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BOX CONN LTH	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	PIT EXTERNAL CLEANING	BODY CONDITION	PC					C2	C3	C4			
1	81367	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.377"	-	OK					PIN SIDE SEAL DAMAGE REJECTED
2	81536	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	SAB D&G T	OK	OK	OK	2	OK	OK	OK	OK	0.374"	-	OK					PIN SIDE SEAL BEVEL DAMAGE & GALLED THREAD REJECTED
3	JDAB81513	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	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	0.382"	-	OK					PIN SIDE SEAL DAMAGE REJECTED
4	81384	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	11 3/4"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK					PIN SIDE SEAL DAMAGE REJECTED
5	81379	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	8 1/8"	OK	OK	OK	OK	S.D & G T	OK	OK	OK	2	OK	OK	OK	OK	0.375"	v	OK					PIN SIDE SEAL DAMAGE & GALLED THREAD REJECTED
6	81202	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10 /32"	20/32"	11 1/2"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK					PIN SIDE SEAL DAMAGE REJECTED

Result: 06 Joints Were Found UnAcceptable From Pin Connection Seal & Bevel Damage & Galled Thread Rejected.

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		ONLINE TRACEABILITY		
PN COND = PIN CONNECTION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area	TOTAL DRILL PIPE INSPECTED	6	PC = PREMIUM CLASS	6			
LP = LIGHT PITTING	PT = PITTED THREAD	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	SWO = SEAL WASHOUT	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	6	C3 = CLASS III	NIL			
PIT.I.C = PIPE/TUBE INTERNAL CLEANING	CR = CRACK	ID.D.I.PAID DEEP INTERNAL PITTING	3- No loss; minor abrasion, 2- >25%, 3- >25% & <50%, 4- >50%	DRILL PIPE NEED TO BE STRAIGHT	NIL	C4 = CLASS IV	NIL			
PIT.E.C = PIPE/TUBE EXTERNAL CLEANING	BS = BOX SWELL	N.P = NOSE PITTED	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		B.B = BODY BENT		DRILL PIPE USEABLE	-					
CSA = CROSS SECTION AREA										
INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS				PERSON DETAILS		
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	REVIEW BY:
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux	220602	JUN,2025	RAG SOHAL	M.FHAD
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Magnaflux	220605	JULY,2025	QUALIFICATION:	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	160800134	14-Aug-24	Magnaflux	220306	MARCH,2025		CLIENT:
EMI LINT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24					
UV LIGHT INTENSITY:		3050 µw/cm²								
14HF Concentration:	0.1 to 0.4 mJ/100 ml	7HF Concentration:	1.1 to 1.4 mJ/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-610	RIG No:	DO-37	DATE OF WORK:	7-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	DQ-37-QC-24-APR-004-3
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 4

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		INTERNAL CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EM	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONN LTH	PIN NECK LTH	BEVEL DIA.	PIN SEALW DTH	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BOX CONN LTH	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	PIT EXTERNAL CLEANING	BODY CONDIT ON.	PC	C2	C3					C4				
1	81184	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 13/16"	18/32"	4.55"	6 5/8"	5 10/32"	20/32"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.369"	-	OK	✓	-	BOX SIDE BOX SWELL REJECTED
2	81322	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	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	0.384"	-	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
3	81306	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	8 1/8"	OK	OK	OK	OK	OK	S&T D	OK	OK	2	OK	OK	OK	OK	0.379"	✓	OK	✓	..	..	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
4	81324	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	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	0.375"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
5	81461	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	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	0.379"	-	OK	✓	..	..	-	BOX SIDE THREAD DAMAGE REJECTED
6	81348	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 3/4"	6 18/32"	18/32"	4.50"	6 2/32"	5 10/32"	20/32"	12"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.380"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED

Result:06 Joints Were Found Unacceptable From Box Connection Seal&Thread Damage&Box Swell Rejected.

ABBREVIATIONS USED		REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE		ONLINE TRACEABILITY																													
PN COND = PIN CONDITION	LD = LIGHT PITTING	SP = SEVERE PITTING	P.T.I.C = PIPE/TUBE INTERNAL CLEANING	P.T.E.C = PIPE/TUBE EXTERNAL CLEANING	IPC = INTERNAL PLASTIC COATING	CSA = GROSS SECTION AREA	PS = PITTED SEAL	MS = MASHED SEAL	W.O.T = WORN OUT THREAD	RB = RE BEVEL	ID.I.P = ID 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- <25%, 3- >25% 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	6	PC = PREMIUM CLASS	6	C2 = CLASS II	NIL	C3 = CLASS III	NIL	C4 = CLASS IV	NIL	DRILL PIPE NEED TO BE RECHASE	6	DRILL PIPE NEED TO BE STRAIGHT	NIL	DRILL PIPE JUNK	NIL	DRILL PIPE USEABLE	-	QR CODE
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	RAC SOHAL	M.FHAD																											
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Magnaflux	1017374		QUALIFICATION:	INSPECTION SUPERVISOR:																											
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR			Magnaflux	220605	JULY,2025		WAQAS																											
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Magnaflux	220306	MARCH,2025		CLIENT:																											
EMI LINT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24																																
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