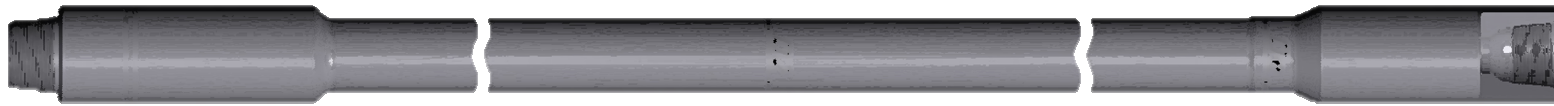




QUALITY CONTROL

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 / IU-37



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	05.MAY.2024
Location	IU-37	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 () 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 | |
| * EMI1 | |
| * Complete Inspection Of Drill Pipe In Accordance With DS-1 Fifth Edition, Volume 3 /CAT-5 | |

Result

*** (129) 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.

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

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

REJECTION DETAILS FROM PIN & BOX CONNECTION

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

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

*** 7 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



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

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

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

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



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



CUSTOMER:	DAQING DRILLING				LOCATION	IU-37	RIG No:	DQ-12	DATE OF WORK:	4-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-DQ-04-24-0133 -2	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5				REPORT PAGE NO:	1 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓	
EMH	✓	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	P83	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	0.381"	-	OK	✓	..	..	-	Acceptable
2	333X	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
3	X195	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	333	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 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	Acceptable
5	X2	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	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
6	X21	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
7	45D2019	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	0.387"	-	OK	✓	..	..	-	Acceptable
8	X47	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	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
9	415	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
10	44D2019	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
11	M26	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 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
12	12-010	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"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable
13	X2-9	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"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	Acceptable
14	X73	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	0.386"	-	OK	✓	..	..	-	Acceptable
15	X214	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

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			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		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		RAO SOHAIL														
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:		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		OC/FN/DP/070		Rev.00							

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




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

CUSTOMER:	DAQING DRILLING				LOCATION	IU-37	RIG No:	DQ-12	DATE OF WORK:	4-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-DQ-04-24-0133 -3	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5				REPORT PAGE NO:	1 to 18

INSPECTION METHOD																	
Visual Tube		✓	Visual Connection		✓	MPI Connection		✓	MPI Slip & Upset		✓	Dry MPI		-			
EMH		✓	Heat Checking		✓	OD Gauge		✓	TH.Profile Gauge		✓	DPT		-			
Dimensional 2														✓	UT Wall Thickness		✓
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 PPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONN ECTION 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.	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	10051	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	OK	OK	OK	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	Acceptable
2	X27	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	0.393"	-	OK	✓	..	..	-	Acceptable
3	0777	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
4	12-013	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	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	0.372"	-	OK	✓	..	..	-	Acceptable
5	10114	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	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
6	X138	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
7	X20	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
8	X184	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 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
9	X252	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	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
10	P31	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
11	X179	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
12	12-011	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable
13	M28	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	0.392"	-	OK	✓	..	..	-	Acceptable
14	555	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	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
15	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 5/8"	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			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			ID.D.I.P=ID DEEP INTERNAL CLEANING			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			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 YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN.2025		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		INSPECTION SUPERVISOR:																	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		Magnaflux	220605	JULY.2025		RAO SOHAIL																	
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 mJ/100 ml		7HF Concentration:				1.1 to 1.4 mJ/100 ml																				
						Fluorescent Magnetic Ink 14HF																						




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

CUSTOMER:	DAQING DRILLING				LOCATION	IU-37	RIG No:	DQ-12	DATE OF WORK:	4-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-DQ-04-24-0133-4	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5				REPORT PAGE NO:	1 to 18

INSPECTION METHOD																	
Visual Tube		✓	Visual Connection		✓	MPI Connection		✓	MPI Slip & Upset		✓	Dry MPI		-			
EMH		✓	Heat Checking		✓	OD Gauge		✓	TH.Profile Gauge		✓	DPT		-			
Dimensional 2														✓	UT Wall Thickness		✓
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	X255	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	0.381"	-	OK	✓	..	..	-	Acceptable
2	P14	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	0.393"	-	OK	✓	..	..	-	Acceptable
3	X195	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
4	X912	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	0.372"	-	OK	✓	..	..	-	Acceptable
5	12-017	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"	11 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
6	12-016	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
7	M77	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	0.387"	-	OK	✓	..	..	-	Acceptable
8	X141	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
9	35D2019	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
10	X56	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	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
11	00301	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 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	Acceptable
12	10044	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	0.388"	-	OK	✓	..	..	-	Acceptable
13	10056	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	0.392"	-	OK	✓	..	..	-	Acceptable
14	X17	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
15	907019	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

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			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.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			15													
CSA = CROSS SECTION AREA			BS =BOX SWELL			8.B=BODY BENT																					REVIEW BY	
INSPECTION EQUIPMENT DETAILS S						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	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	8017374	14-Aug-24	Magnaflux	220605	JULY.2025	RAO SOHAIL																			
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	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												Copy - Area Office		OC/FN/DP/070		Rev.00												



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


CUSTOMER:	DAQING DRILLING				LOCATION	IU-37	RIG No:	DQ-12	DATE OF WORK:	4-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-DQ-04-24-0133 -5	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5				REPORT PAGE NO:	1 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMH	✓	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.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC	C2	C3					C4				
1	32020	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"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	Acceptable
2	85K	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 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
3	11103	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
4	402020	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	0.372"	-	OK	✓	..	..	-	Acceptable
5	X197	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
6	444	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
7	100381	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	OK	OK	OK	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	Acceptable
8	10016	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	0.390"	-	OK	✓	..	..	-	Acceptable
9	10037	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
10	X12	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 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	Acceptable
11	51D2019	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
12	10010	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 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	Acceptable
13	X11	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	0.392"	-	OK	✓	..	..	-	Acceptable
14	S11	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
15	X133	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

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			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		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		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		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		RAO SOHAIL							
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												Copy - Area Office				OC/FN/DP/070				Rev.00							

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





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

INSPECTION METHOD																										
Visual Tube		✓	Visual Connection			✓	MPI Connection			✓	MPI Slip & Upset			✓	Dry MPI			-	Dimensional 2			✓	UT Wall Thickness			✓
EMIh		✓	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 LIGNT. 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 CONN LTH	PIN. NECK LTH	BEVEL DIA.	PIN. SEALTH	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 CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
1	17D2019	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	OK	OK	OK	2	OK	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	Acceptable
2	52D2019	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"	12"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	Acceptable
3	X262	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"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
4	12-006	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"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	Acceptable
5	12-005	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 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	Acceptable
6	10019	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 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	Acceptable
7	X6	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	OK	0.387"	-	OK	✓	..	..	-	Acceptable
8	X2	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	OK	0.390"	-	OK	✓	..	..	-	Acceptable
9	S18	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	OK	0.386"	-	OK	✓	..	..	-	Acceptable
10	88-00	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	OK	0.376"	-	OK	✓	..	..	-	Acceptable
11	1S623	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	OK	0.366"	-	OK	✓	..	..	-	Acceptable
12	1221	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	OK	0.388"	-	OK	✓	..	..	-	Acceptable
13	10052	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	OK	0.392"	-	OK	✓	..	..	-	Acceptable
14	12-015	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	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	OK	0.386"	-	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 P/T.I.C = PIPE/TUBE INTERNAL CLEANING P/T.I.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 ID.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:		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		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		1017374		14-Aug-24				Magnaflux		220605		JULY.2025										RAO SOHAIL									
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 Copy - Area Office QC/FN/DP/070 Rev.00																									

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

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

[illegible]

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			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										
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 CRACKING			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			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 YOK		201504053		14-Aug-24		GAUSS METER		14001175		14-Aug-24				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		IO17374		14-Aug-24				Magnaflux		220605		JULY.2025						RAO SOHAIL							
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:				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	IU-37	RIG No:	DQ-12	DATE OF WORK:	4-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-DQ-04-24-0133 -6	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5				REPORT PAGE NO:	1 to 18

INSPECTION METHOD

Visual Tube	✓	Visual Connection		✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMH	✓	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	599	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"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
2	12-919	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	12"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
3	4444	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	OK	OK	P.S	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL PITTED REJECTED
4	517	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	G.TH	2	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	BOX SIDE GALLED THREAD REJECTED
5	X168	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	S.D	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
6	2223	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"	12"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
7	X23	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"	12"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.387"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
8	10016	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"	12"	OK	OK	OK	OK	OK	OK	OK	G.TH	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE GALLED THREAD REJECTED
9	10036	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	S.D	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
10	P04	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 1/2"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
11	391X	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	S.D	2	OK	OK	OK	OK	0.366"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
12	8D2019	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	OK	OK	S.D	2	OK	OK	OK	OK	0.388"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
13	12-002	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	S.D	2	OK	OK	OK	OK	0.392"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
14	10015	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	S.D	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
15	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 1/4"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.376"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED

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 REVEL ID.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:		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		1017374		AUG-24		INSPECTION SUPERVISOR:																	
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR								Magnaflex		220605		JULY,2025		RAO SOHAIL																	
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24				Magnaflex		220306		MARCH,2025		CLIENT:																	
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24				Magnaflex																							
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																									
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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	IU-37	RIG No:	DQ-12	DATE OF WORK:	4-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-DQ-04-24-0133 -6	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume 3 /CAT-5			REPORT PAGE NO:	1 to 18	

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	✓	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMH	✓	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.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION.	PC	C2					C3	C4			
1	211	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	S.D	2	OK	OK	OK	OK	0.381"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
2	53D2019	6 18/32"	3 1/4"	4 1/2"	7/16"	6 2/32"	13/32"	9"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 5/8"	OK	OK	OK	OK	OK	OK	OK	S.D	2	OK	OK	OK	OK	0.393"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
3	X143	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	S.D	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
4	10038	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 3/4"	OK	OK	OK	OK	OK	OK	OK	P.S	2	OK	OK	OK	OK	0.372"	-	OK	✓	..	..	-	BOX SIDE SEAL PITTED REJECTED
5	49D2019	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	S.D	2	OK	OK	OK	OK	0.386"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
6	12-009	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	S.D	2	OK	OK	OK	OK	0.390"	-	OK	✓	..	..	-	BOX SIDE SEAL DAMAGE REJECTED
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			
13																																			
14																																			
15																																			

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			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:		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.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		RAO SOHAIL													
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		Magnaflux		220306		MARCH,2025															
UV LIGHT INTENSITY:				3150 µw/cm²																											
14HF Concentration:		0.1 to 0.4 mT/100 ml		7HF Concentration:				1.1 to 1.4 mT/100 ml																							
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Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138





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

INSPECTION METHOD																				
Visual Tube		√	Visual Connection		√	MPI Connection		√	MPI Slip & Upset		√	Dry MPI		-	Dimensional 2		√	UT Wall Thickness		√
EMH1		√	Heat Checking		√	OD Gauge		√	TH.Profile Gauge		√	DPT		-	UFD OF SLIP UPSET AREA					√

[illegible]

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		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 = CLASS III		NIL			
P.I.T.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			
P.I.T.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE CRACK		I.D.I.P=I.D DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLP 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		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			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	I017374	14-Aug-24			Magnaflux		220605	JULY.2025			RAO SOHAIL			
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & SEAL		CLIENT:			
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											
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