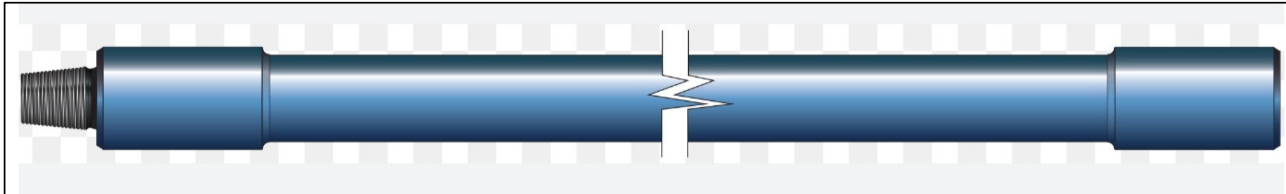




QUALITY CONTROL

**Al Takamul Company For Engineering Testing
And Professional Safety Limited**



3 1/2" G2 DRILL PIPE INSPECTION REPORT

**Al Takamul Company For Engineering
Testing And Professional Safety Limited**



ONLINE TRACEABILITY

Submitted To: ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ



**Corporate
Partner**



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



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admin@qualitycontrol-iraq.com



Iraq, Basra, Noth Rumaila

Customer	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ	Date Of Service	11.AUG.2024
Location	Ru-626	References	DS-1 Fifth Edition, Volume 3 / CAT-5 & HT50 CONNECTION SHU GUANG 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 (251) of Joints 3 1/2" Drill Pipe Grade G-105(G2) Connection (NC38) weight (13.30 lbs/ft)

These Procedures Done On All Pipes As Below.

- * Visual Connection
- * Dimensional -2
- * UT Wall Thickness
- * Heat Checking
- * Visual Tube
- * OD Gage
- * EMI
- * Complete Inspection Of Drill Pipe In Accordance With DS-1 Fifth Edition, Volume 3 /NC38 CONNECTION OEM
- * MPI Slip/Upset
- * Blacklight Connection
- * Internal Cleaning
- * External Cleaning By Using Power Full Buff
- * Re Doped

Result

*** (251) No's Joints 3 1/2" OD Drill Pipe Grade G-105(G2) Weight 13.30 lbs/ft With (NC-38) Total Inspected As Per (DS-1) Standards.

*** 244 Joints Were Found Acceptable Class 1 (C/1)

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

REJECTION DETAILS FROM PIN & BOX CONNECTION

*** 02 Joints Were Found Un-Acceptable From Box Side Damage & Pitted (Rejected)

*** 04 Joints Were Found Un-Acceptable From Pin Side Pitte & Damage (Rejected)

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

*** 01 Joints Were Found Un-Acceptable From Pin Side Bently BentDamage (Rejected)



ONLINE TRACEABILITY



Corporate
Partner



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

3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	6-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-001	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	1 to 20

INSPECTION METHOD

		Visual Tube		✓		Visual Connection			✓		MPI Connection			✓		MPI Slip & Upset		✓		Dry MPI		-		Dimensional 2			✓	UT Wall Thickness				✓				
		EMI		✓		Heat Checking			✓		OD Gauge			✓		TH.Profile Gauge		✓		DPT		-		UFD OF SLIP UPSET AREA			✓									
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET AREA)		BLACK LINGHT. CONNECTION (UPSET AREA)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	195P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable		
2	8880	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable		
3	1P822	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable		
4	3B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable		
5	21B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable		
6	178P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable		
7	89B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable		
8	179P1214	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable		
9	168116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable		
10	86P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable		
11	3065	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable		
12	208P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable		
13	37P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable		
14	48P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable		
15	41P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable		

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

ABBREVIATIONS USED				REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY				
PIN COND = PIN CONDITION		TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED			PC = PREMIUM CLASS		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 RE CUT			C2 = CLASS II		NIL					
S.P = SEVERE PITTING		PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE			C3 = CLASSA 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			C4 = CLASSA IV		NIL					
P/I.T.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										
IPC = INTERNAL PLASTIC COATING.		CR = CRACK	ID WO= ID WASHOUT	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 SARWAR			RAO SOHAIL			
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				NAVEED HUSSAIN			
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		MANUFACTURE	BATCH NO	EXPIRE DATE							
UV LIGHT INTENSITY:		2850 µw/cm²														
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF								
								Magnaflux		220306		MARCH,2025				

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

3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	6-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-002	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	2 to 20

INSPECTION METHOD

		Visual Tube		✓			Visual Connection		✓			MPI Connection		✓			MPI Slip & Upset		✓			Dry MPI		-			Dimensional 2		✓	UT Wall Thickness		✓				
		EMI		✓			Heat Checking		✓			OD Gauge		✓			TH.Profile Gauge		✓			DPT		-			UFD OF SLIP UPSET AREA				✓					
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LIGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	191P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
2	55P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
3	3090	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/16"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
4	5555	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"		OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable	
5	07P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable	
6	70517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable	
7	Z-24	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable	
8	54P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable	
9	07587	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable	
10	3175	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable	
11	321P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable	
12	154P51	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable	
13	3175	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable	
14	16P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable	
15	120P0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable	

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY		
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15		
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL		
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL		
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 = CLASSA IV		NIL		
P/I.T.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		ID WO= ID WASHOUT		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: M.SARWAR		SENIOR INSPECTOR: RAO SOHAIL					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN,2025								
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24			Black Magnetic Ink 7HF		MANUFACTURE							BATCH NO	EXPIRE DATE
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24	Magnaflux	220605			JULY,2025	CLIENT:							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE	BATCH NO	EXPIRE DATE								
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH,2025								
UV LIGHT INTENSITY:		2850 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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Address: North Ruma
Contact: +964-781-00

3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	7-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-003	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	3 to 20

INSPECTION METHOD

		Visual Tube		✓		Visual Connection		✓		MPI Connection		✓		MPI Slip & Upset		✓		Dry MPI		-		Dimensional 2		✓	UT Wall Thickness		✓							
		EMI		✓		Heat Checking		✓		OD Gauge		✓		TH.Profile Gauge		✓		DPT		-		UFD OF SLIP UPSET AREA					✓							
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)					BOX DIMENSION (INCHES)					MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET/SLIP)		BLACK LINGHT. CONNECTION (UPSET/SLIP)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNEC TION LTH	PIN NECK LTH	BEVEL DIA.	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.	INTERNA L PLASTIC COATING.	P /T INTERNA L CLEANIN G					P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC	C2		C3	C4
1	8338	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable	
2	91P0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable	
3	54P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable	
4	41P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable	
5	8880	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable	
6	40P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable	
7	1S24	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable	
8	42P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable	
9	5555	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable	
10	80P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable	
11	831634	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable	
12	1116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable	
13	173P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable	
14	9177	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable	
15	118P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable	

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

ABBREVIATIONS USED						REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL			
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 = CLASSA IV		NIL			
P/I.T.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		ID WO= ID WASHOUT		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 NAM	SENIOR INSPECTOR:					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24				Magnaflux	220602	JUN,2025	M.SARWAR	RAO SOHAIL					
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF			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	ASNT LEVEL II MT.P	NAVEED HUSSAIN					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & ST.	CLIENT:					
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24				Magnaflux	220306	MARCH,2025							
UV LIGHT INTENSITY:		2850 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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Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138

3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	7-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-004
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	4 to 20

INSPECTION METHOD

		Visual Tube		✓			Visual Connection		✓			MPI Connection		✓			MPI Slip & Upset		✓			Dry MPI		-			Dimensional 2		✓	UT Wall Thickness		✓				
		EMI		✓			Heat Checking		✓			OD Gauge		✓			TH.Profile Gauge		✓			DPT		-			UFD OF SLIP UPSET AREA				✓					
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LINGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNEC TION LTH	PIN NECK LTH	BEVEL DIA.	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.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC	C2					C3	C4					
1	23P215	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
2	131P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
3	Z 23	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
4	3018	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
5	1P115	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
6	148P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
7	Z 25	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
8	115P0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
9	3167	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable
10	5P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
11	60393	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
12	02183711	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
13	3096	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
14	128517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	7 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
15	4P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	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							
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 RE CUT			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 RE CHASE			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							
P/I.T.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	ID WO= ID WASHOUT	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.SARW/			RAO SOHAIL		
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICA			INSPECTION SUPERVISOR:		
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24			Magnaflux	220605	JULY,2025	ASNT LEVEL II M			NAVEED HUSSAIN		
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE &			CLIENT:		
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH,2025						
UV LIGHT INTENSITY:		2850 µw/cm²														
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF								

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



3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	7-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-005	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	5 to 20

INSPECTION METHOD

		Visual Tube		✓			Visual Connection		✓			MPI Connection		✓			MPI Slip & Upset		✓			Dry MPI		-			Dimensional 2		✓	UT Wall Thickness		✓				
		EMI		✓			Heat Checking		✓			OD Gauge		✓			TH.Profile Gauge		✓			DPT		-			UFD OF SLIP UPSET AREA				✓					
																								-												
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LINGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	78P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
2	363P117	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
3	8P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
4	22-8	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
5	2P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable
6	231P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
7	S31777	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
8	22-4	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
9	48P0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
10	11P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
11	316P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
12	103P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
13	164P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
14	61P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
15	109B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			15		PC = PREMIUM CLASS		15				
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			NIL		C2 = CLASS II		NIL				
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			NIL		C3 = CLASSA III		NIL				
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 = CLASSA IV		NIL				
P/I.T.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	ID WO= ID WASHOUT	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.SARWAR				RAO SOHAIL		
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE		BATCH NO	EXPIRE DATE	QUA				INSPECTION SUPERVISOR:	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24			Magnaflux		220605	JULY,2025	ASNT LE				NAVEED HUSSAIN	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNAT				CLIENT:	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux		220306	MARCH,2025						
UV LIGHT INTENSITY:		2850 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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Address: North Rumaila, AI Takamul Company
Contact: +964-781-000-9138



3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES (HONG KONG) CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	7-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-006	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	6 to 20

INSPECTION METHOD

		Visual Tube		✓			Visual Connection		✓			MPI Connection		✓			MPI Slip & Upset		✓			Dry MPI		-			Dimensional 2		✓	UT Wall Thickness		✓				
		EMI		✓			Heat Checking		✓			OD Gauge		✓			TH.Profile Gauge		✓			DPT		-			UFD OF SLIP UPSET AREA				✓					
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LIGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	159P519	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
2	31P0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
3	1876	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
4	92P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
5	110P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/16"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
6	169P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
7	69P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
8	3086	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
9	157P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
10	28P118	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
11	9999	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable
12	113P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 3/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
13	175P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
14	3145	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
15	77P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	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																
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4= >35%																
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)																
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%																
P/I.T.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																
IPC = INTERNAL PLASTIC COATING.	CR = CRACK	ID WO= ID WASHOUT	TO MPI 48" FROM BOX AND 36" FROM PIN																
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	M.SARW.	RAO SOHAIL	
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24							
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICA	INSPECTION SUPERVISOR:	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnaflux	220605	JULY,2025	ASNT LEVEL II N	NAVEED HUSSAIN	
UV LIGHT INTENSITY:			2850 µw/cm²			Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE &	CLIENT:	
14HF Concentration:	0.1 to 0.4 ml/100 ml		7HF Concentration:	1.1 to 1.4 ml/100 ml				Magnaflux	220306	MARCH,2025		



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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES (HONG KONG) CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	8-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-007	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	7 to 20

INSPECTION METHOD

		Visual Tube		✓		Visual Connection		✓		MPI Connection		✓		MPI Slip & Upset		✓		Dry MPI		-		Dimensional 2			✓	UT Wall Thickness			✓					
		EMI		✓		Heat Checking		✓		OD Gauge		✓		TH.Profile Gauge		✓		DPT		-		UFD OF SLIP UPSET AREA			✓									
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LIGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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 CONDITON.	PC	C2					C3	C4			
1	11014	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
2	44P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
3	29P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
4	176P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
5	39P014	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
6	118P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
7	66B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
8	54P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable
9	108B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
10	146P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
11	1B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
12	303P716	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
13	28P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
14	106P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
15	148P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY			
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			15			PC = PREMIUM CLASS				15			
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			NIL			C2 = CLASS II				NIL			
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			NIL			C3 = CLASSA III				NIL			
P/T.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			
P/T.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	ID WO= ID WASHOUT	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:				ENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN,2025	M.SARWAR				RAO SOHAIL				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24			MANUFACTURE		BATCH NO	EXPIRE DATE	QUALIFICATION:				ECTION SUPERVISOR:			
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24			Magnaflux	220605	JULY,2025	ASNT LEVEL II MT.PT.UT				IAVEED HUSSAIN				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & STAMP				CLIENT:			
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24														
UV LIGHT INTENSITY:		2850 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															

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

3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	8-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-008
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	8 to 20

INSPECTION METHOD

		Visual Tube		✓			Visual Connection		✓			MPI Connection		✓			MPI Slip & Upset		✓			Dry MPI		-			Dimensional 2		✓	UT Wall Thickness		✓				
		EMI		✓			Heat Checking		✓			OD Gauge		✓			TH.Profile Gauge		✓			DPT		-			UFD OF SLIP UPSET AREA				✓					
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LIGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	23P1114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
2	116517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
3	73P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
4	101P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
5	37P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
6	58P0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
7	13P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
8	3151	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
9	183P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
10	05P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
11	33P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
12	25P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
13	294P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
14	3036	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
15	108P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	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 1= No loss; minor abrasion, 2= <20%, 3= >20% AND ≤35% 4= >35%				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD						DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL			
P/I.T.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL						DRILL PIPE NEED TO BE STRAIGHT		NIL		C4 = CLASSA IV		NIL			
P/I.T.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING						DRILL PIPE JUNK		NIL							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT		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.SARWAR		RAO SOHAIL						
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF		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	ASNT LEVEL II MT.PT.		NAVEED HUSSAIN						
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STA		CLIENT:						
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH,2025									
UV LIGHT INTENSITY:		2850 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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Contact: +964-781-000-9138



3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	8-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-009
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	9 to 20

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 (UPSETION)		BLACK LINGHT. CONNECTION (UPSETION)		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 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.	INTERNA L PLASTIC COATING.	P /T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC	C2					C3	C4			
1	DP-4	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.369"	√	OK	√	..	..	-	Acceptable		
2	50P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.381"	√	OK	√	..	..	-	Acceptable		
3	209P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.368"	√	OK	√	..	..	-	Acceptable		
4	112B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.392"	√	OK	√	..	..	-	Acceptable		
5	168P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.372"	√	OK	√	..	..	-	Acceptable		
6	40B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.375"	√	OK	√	..	..	-	Acceptable		
7	2P115	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.383"	√	OK	√	..	..	-	Acceptable		
8	107P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.385"	√	OK	√	..	..	-	Acceptable		
9	95P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.372"	√	OK	√	..	..	-	Acceptable		
10	3068	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.380"	√	OK	√	..	..	-	Acceptable		
11	3154	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.370"	√	OK	√	..	..	-	Acceptable		
12	13P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.369"	√	OK	√	..	..	-	Acceptable		
13	3157	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.357"	√	OK	√	..	..	-	Acceptable		
14	3353	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.377"	√	OK	√	..	..	-	Acceptable		
15	72B116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	0.388"	√	OK	√	..	..	-	Acceptable		

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

ABBREVIATIONS USED						REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED		15	PC = PREMIUM CLASS		15				
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT		NIL	C2 = CLASS II		NIL				
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE		NIL	C3 = CLASSA III		NIL				
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 = CLASSA IV		NIL				
P/I.T.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	ID WO= ID WASHOUT	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:		RAO SOHAIL		
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN,2025	M.SARWAR				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:		NAVEED HUSSAIN		
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24			Magnaflux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:		
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH,2025					
UV LIGHT INTENSITY:		2850 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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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-010
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	10 to 20

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 (UPSET)		BLACK LIGHT. CONNECTION (UPSET)		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 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	194B116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable
2	375P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
3	215P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
4	104P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
5	74P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
6	3165	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
7	144P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
8	54P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
9	71P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
10	3120	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
11	25P1114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
12	Z 29	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
13	175P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
14	412P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
15	105P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY							
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15							
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL							
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL							
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 = CLASSA IV		NIL							
P/I.T.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		ID WO= ID WASHOUT		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.SARWAR		RAO SOHAIL	
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		ASNT LEVEL II MTJ		INSPECTION SUPERVISOR:	
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		1017374		14-Aug-24				Magnaflux		220605		JULY,2025		NAVEED HUSSAIN		INSPECTION SUPERVISOR:	
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24				Magnaflux		220605		JULY,2025		NAVEED HUSSAIN		INSPECTION SUPERVISOR:	
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24				Magnaflux		220306		MARCH,2025		NAVEED HUSSAIN		INSPECTION SUPERVISOR:	
UV LIGHT INTENSITY:						2850 µw/cm²						Fluorescent Magnetic Ink 14HF						CLIENT:					
14HF Concentration:						0.1 to 0.4 ml/100 ml						7HF Concentration:						1.1 to 1.4 ml/100 ml					

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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES (HONG KONG) CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-011
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	11 to 20

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 (UPSETION)		BLACK LIGHT. CONNECTION (UPSETION)		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 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 CONDITON.	PC	C2					C3	C4			
1	99P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
2	122P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
3	124P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
4	69P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
5	142P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
6	47P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
7	135P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
8	3P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable
9	128P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
10	152P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
11	307	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable
12	188P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
13	83308	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable
14	305P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
15	323P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED				15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT				NIL		C2 = CLASS II		NIL			
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE				NIL		C3 = CLASSA III		NIL			
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 = CLASSA IV		NIL			
P/I.T.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	ID WO= ID WASHOUT	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.SARWAR		RAO SOHAIL				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24												
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICA		INSPECTION SUPERVISOR:				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			Magnaflux	220605	JULY,2025	ASNT LEVEL II I		NAVEED HUSSAIN				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE &		CLIENT:				
UV LIGHT INTENSITY:		2850 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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Address: North Rumaila, Al Takamul
Contact: +964-781-000-9138



3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-012
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	12 to 20

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 (UPSET)		BLACK LIGHT. CONNECTION (UPSET)		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 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	89P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable	
2	60037	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable	
3	2-13	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.370"	✓	OK	✓	..	..	-	Acceptable	
4	103P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable	
5	60040	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.357"	✓	OK	✓	..	..	-	Acceptable	
6	3169	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable	
7	104P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable	
8	3014	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable	
9	166B116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable	
10	021B1663	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable	
11	17P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable	
12	021B1645	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable	
13	60162	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable	
14	11P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable	
15	2-8	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.385"	✓	OK	✓	..	..	-	Acceptable	

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY							
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15							
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL							
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL							
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 = CLASSA IV		NIL							
P/I.T.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		ID WO= ID WASHOUT		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.SARWAR		RAO SOHAIL	
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24		Black Magnetic Ink 7HF		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		ASNT LEVEL II M		NAVEED HUSSAIN	
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:				2850 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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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-013	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	13 to 20

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 (UPSET)		BLACK LIGNT. CONNECTION (UPSET)		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 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	187P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
2	108P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
3	32P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
4	44B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
5	257P121	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
6	24P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
7	107B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
8	119P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
9	117B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
10	138B517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.371"	✓	OK	✓	..	..	-	Acceptable
11	874P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
12	125P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.379"	✓	OK	✓	..	..	-	Acceptable
13	104B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.376"	✓	OK	✓	..	..	-	Acceptable
14	179P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.373"	✓	OK	✓	..	..	-	Acceptable
15	82P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY			
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15				
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL				
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL				
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 = CLASSA IV		NIL				
P/I.T.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		ID WO= ID WASHOUT		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.SARWAR			RAO SOHAIL				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24				MANUFACTURE			BATCH NO	EXPIRE DATE	QUALIFICATION:					
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24				Magnaflux			220605	JULY,2025	ASNT LEVEL II MT.PT.UT					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24				MANUFACTURE			BATCH NO	EXPIRE DATE	SIGNATURE & STAMP					
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24														
UV LIGHT INTENSITY:						2850 µw/cm²													
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF			Magnaflux			220306		MARCH,2025			



AI Takamul Company
WOT
QUALITY CONTROL

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Address: North Rumaila, Al Takamul Yard.
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	10-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-013	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	14 to 20

INSPECTION METHOD

		Visual Tube		✓			Visual Connection		✓			MPI Connection		✓			MPI Slip & Upset		✓			Dry MPI		-			Dimensional 2		✓	UT Wall Thickness		✓				
		EMI		✓			Heat Checking		✓			OD Gauge		✓			TH.Profile Gauge		✓			DPT		-			UFD OF SLIP UPSET AREA				✓					
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LINGHT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS		
		PIN OD.	PIN I.D	PIN CONNEC TION LTH	PIN NECK LTH	BEVEL DIA.	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.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC	C2					C3	C4					
1	64B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
2	64B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
3	3159	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.371"	✓	OK	✓	..	..	-	Acceptable
4	51P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
5	91P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.379"	✓	OK	✓	..	..	-	Acceptable
6	410P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.376"	✓	OK	✓	..	..	-	Acceptable
7	127P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.373"	✓	OK	✓	..	..	-	Acceptable
8	162P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
9	25P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
10	Z 26	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
11	3171	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
12	63P617	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
13	141210	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
14	71B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
15	22P121	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED				REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		PC = PREMIUM CLASS		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		C2 = CLASS II		NIL			
S.P = SEVERE PITTING		PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		C3 = CLASSA 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		C4 = CLASSA IV		NIL			
P/I.T.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							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK	ID WO= ID WASHOUT	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.SARWAR		RAO SOHAIL			
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICAT		INSPECTION SUPERVISOR:			
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24		Magnaflux	220605	JULY,2025	ASNT LEVEL II M		NAVEED HUSSAIN			
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:		2850 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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Address: North Rumaila, AI Takamul
Contact: +964-781-000-9138



3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

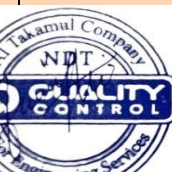
CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	10-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-013
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	15 to 20

INSPECTION METHOD

		Visual Tube		✓		Visual Connection		✓		MPI Connection		✓		MPI Slip & Upset		✓		Dry MPI		-		Dimensional 2		✓	UT Wall Thickness		✓							
		EMI		✓		Heat Checking		✓		OD Gauge		✓		TH.Profile Gauge		✓		DPT		-		UFD OF SLIP UPSET AREA		✓										
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LIGNT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	102B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.379"	✓	OK	✓	..	..	-	Acceptable
2	105P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.376"	✓	OK	✓	..	..	-	Acceptable
3	55P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.373"	✓	OK	✓	..	..	-	Acceptable
4	46P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable
5	7P714	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.377"	✓	OK	✓	..	..	-	Acceptable
6	95B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.388"	✓	OK	✓	..	..	-	Acceptable
7	3100	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable
8	3149	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.381"	✓	OK	✓	..	..	-	Acceptable
9	116P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable
10	16P216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable
11	43P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable
12	18P1114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable
13	3058	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable
14	171P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.371"	✓	OK	✓	..	..	-	Acceptable
15	48P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY					
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15					
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		NIL		C2 = CLASS II		NIL					
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		NIL		C3 = CLASSA III		NIL					
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 = CLASSA IV		NIL					
P/I.T.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		ID WO= ID WASHOUT		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:			
AC YOKE		201504053		14-Aug-24		GAUSS METER		14001175		14-Aug-24		White Contrast WCP-2		Magnaflux		220602		JUN,2025		M.SARWAR	
UT THICK. METER		520750		14-Aug-24		LUX METER		2722003		14-Aug-24		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		ASNT LEVEL II MT.PT.UT	
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		1017374		14-Aug-24				Magnaflux		220306		MARCH,2025			
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				Magnaflux		220306		MARCH,2025			
UV LIGHT INTENSITY:				2850 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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AI Takamul Company
NDT
QUALITY CONTROL
For Engineering Services

REVIEW BY		REVIEW BY	
INIOR INSPECTOR:		RAO SOHAIL	
ECTION SUPERVISOR:		AVEED HUSSAIN	
CLIENT:			

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



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

3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE

CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	10-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24-0216-013
TYPE OF INSPECTION:	CATEGORY-5		NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	16 to 20

INSPECTION METHOD

		Visual Tube		✓		Visual Connection			✓		MPI Connection			✓		MPI Slip & Upset		✓		Dry MPI		-		Dimensional 2			✓	UT Wall Thickness				✓				
		EMI		✓		Heat Checking			✓		OD Gauge			✓		TH.Profile Gauge		✓		DPT		-		UFD OF SLIP UPSET AREA						✓						
S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION (UPSET)		BLACK LIGNT. CONNECTION (UPSET)		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN I.D	PIN CONNETH LTH	PIN NECK LTH	BEVEL DIA.	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	43P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.368"	✓	OK	✓	..	..	-	Acceptable		
2	5337	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.392"	✓	OK	✓	..	..	-	Acceptable		
3	86P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable		
4	38B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable		
5	70B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.383"	✓	OK	✓	..	..	-	Acceptable		
6	35B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.371"	✓	OK	✓	..	..	-	Acceptable		
7	57P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.375"	✓	OK	✓	..	..	-	Acceptable		
8	59P517	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.379"	✓	OK	✓	..	..	-	Acceptable		
9	69B0114	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.376"	✓	OK	✓	..	..	-	Acceptable		
10	202P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	7 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.373"	✓	OK	✓	..	..	-	Acceptable		
11	12P715	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.376"	✓	OK	✓	..	..	-	Acceptable		
12	61P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.372"	✓	OK	✓	..	..	-	Acceptable		
13	294P717	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.380"	✓	OK	✓	..	..	-	Acceptable		
14	13P116	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 3/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.369"	✓	OK	✓	..	..	-	Acceptable		
15	3151	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.378"	✓	OK	✓	..	..	-	Acceptable		

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

ABBREVIATIONS USED				REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION		CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15	PC = PREMIUM CLASS		15		
LP = LIGHT PITTING		SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%		DRILL PIPE NEED TO BE RECUT		NIL	C2 = CLASS II		NIL		
S.P = SEVERE PITTING		PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		NIL	C3 = CLASSA III		NIL		
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 = CLASSA IV		NIL		
P/I.T.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	ID WO= ID WASHOUT	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			
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:			
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux	220602	JUN,2025	M.SARWAR			
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24							
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:			
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Magnaflux	220605	JULY,2025	ASNT LEVEL II MT.PT.UT			
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP			
UV LIGHT INTENSITY:			2850 µw/cm²			Fluorescent Magnetic Ink 14HF						
14HF Concentration:	0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml							
						Original - Client Files		Copy - Area Office		QC/FN/DP/OTO Rev.00		



REVIEW BY
ENIOR INSPECTOR:
RAO SHAHAIL
SECTION SUPERVISOR:
HAYEED HUSSAIN
CLIENT:

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



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



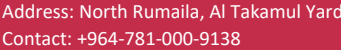
CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ			LOCATION	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	10-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24--0216-013
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	17 to 20

[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		4	PC = PREMIUM CLASS	4	
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 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	
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL			DRILL PIPE NEED TO BE STRAIGHT		NIL	C4 = CLASSA IV	NIL	
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P=ID 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	ID W.O= ID WASHOUT	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX		DRILL PIPE USEABLE		4			
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.B=BODY BENT	TO MPI 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:	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.SARWAR			RAO SOHAIL		
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:			PECTION SUPERVISOR:		
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	ASNT LEVEL II MT,PT,UT			NAVEED HUSSAIN		
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220605	JULY,2025	SIGNATURE & STAMP			CLIENT:		
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE						
UV LIGHT INTENSITY: 2850 µw/cm²															
14HF Concentration:	0.1 to 0.4 ml/100 ml		7HF Concentration:	1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025						







CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ			LOCATION	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24--0216-014
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	18 to 20

[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		4	PC = PREMIUM CLASS		
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		4	C3 = CLASSA III	NIL	
P/T.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	
P/T.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	ID WO= ID WASHOUT	TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE					
CSA = CROSS SECTION AREA	BS = BOX SWELL	B.B=BODY BENT									

INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS			PERSON DETAILS			REVIEW BY		
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	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.SARWAR			RAO SOHAIL	
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	ASNT LEVEL II MT,PT,U			NAVEED HUSSAIN	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAM			CLIENT:	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnaflux	220306	MARCH,2025					
UV LIGHT INTENSITY: 2850 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								





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Contact: +964-781-000-9138



CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ			LOCATION	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24--0216-015
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	19 to 20

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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							
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1° No Loss; minor abrasion, 2° <20%, 3° >20% AND <35% 4° >35%	TOTAL DRILL PIPE INSPECTED	2	PC = PREMIUM CLASS	2			
S.P = SEVERE PITTING	PT = SPIDED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° [Internal surface any linear section of length 3 feet in tube area]	DRILL PIPE NEED TO BE RECUT	NIL	C2 = CLASS II	NIL			
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL		DRILL PIPE NEED TO BE RECHASE	2	C3 = CLASSA III	NIL			
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P=ID DEEP INTERNAL PITTING	1° 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	ID WO= ID WASHOUT	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX	DRILL PIPE JUNK	NIL					
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.B=BODY BENT	TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE						

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CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES(HONG KONG)CO LIMITED IRAQ			LOCATION	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	ZPEC-25-QC-8-24--0216-016
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5			REPORT PAGE NO:	20 to 20

[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									
L.P = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1° No Loss; minor abrasion, 2° <20%, 3° >20% AND 35% 4° >35%			TOTAL DRILL PIPE INSPECTED		15	PC = PREMIUM CLASS		15	
S.P = SEVERE PITTING	PT = SPIDED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° [Internal surface any linear section of length 3 feet in tube area]			DRILL PIPE NEED TO BE RECUT		NIL	C2 = CLASS II		NIL	
P/T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL				DRILL PIPE NEED TO BE RECHASE		NIL	C3 = CLASSA III		NIL	
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P=ID DEEP INTERNAL PITTING	1° 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	ID WO= ID WASHOUT	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK		NIL				
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:	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.SARWAR			RAO SOHAIL
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:			SPECTION SUPERVISOR:
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24		Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,U			NAVEED HUSSAIN
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,U			NAVEED HUSSAIN
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAM			CLIENT:
UV LIGHT INTENSITY: 2850 µw/cm²													
14HF Concentration:	0.1 to 0.4 ml/100 ml		7HF Concentration:	1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025				





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