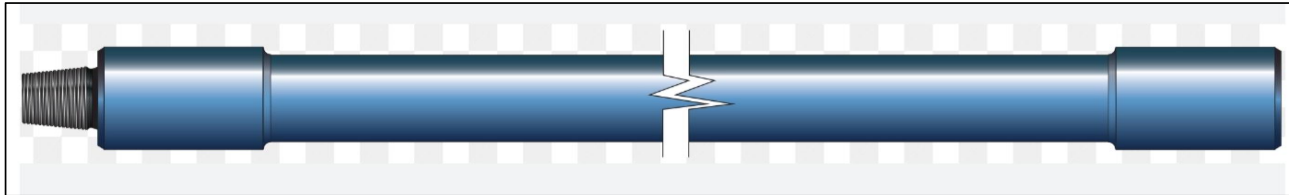




QUALITY CONTROL

Al Takamul Company For Engineering Testing
And Professional Safety Limited



3 1/2" S-2 DRILL PIPE INSPECTION REPORT

Al Takamul Company For Engineering
Testing And Professional Safety Limited



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



Corporate
Partner



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



00964 7810009138



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



Iraq, Basra, North 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

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 (162) of Joints 3 1/2" Drill Pipe Grade S-135(S2) 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

*** (162) No's Joints 3 1/2" OD Drill Pipe Grade S-135(S2) Weight 13.30 lbs/ft With (NC-38) Total Inspected As Per (DS-1) Standards.

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

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

REJECTION DETAILS FROM PIN & BOX CONNECTION

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

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

*** 00 Joints Were Found Un-Acceptable From Pin&Box Side Seal Pitted& Damage (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 1/2 IF)		WEIGHT:	(13.30 lbs/ft)		GRADE:	S-135(S2)		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 12	

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	169280	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable
2	60187	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable
3	169321	5"	2 3/32"	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	0.452"	✓	OK	✓	..	..	-	Acceptable
4	169472	5"	2 3/32"	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	0.480"	✓	OK	✓	..	..	-	Acceptable
5	60223	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 9/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.430"	✓	OK	✓	..	..	-	Acceptable
6	169543	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable
7	169497	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable
8	169613	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable
9	141205	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable
10	60072	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
11	60903	5"	2 3/32"	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	0.481"	✓	OK	✓	..	..	-	Acceptable
12	169567	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
13	169394	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
14	23P617	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
15	169450	5"	2 3/32"	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	II	OK	OK	OK	OK	0.475"	✓	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:	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.SARWAI		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 MT.		ISPECTION SUPERVISOR:			
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24			Magnaflux	220605	JULY,2025	SIGNATURE & S		NAVEED HUSSAIN			
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			Magnaflux	220306	MARCH,2025			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 Y
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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:	6-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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 12

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	141305	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable		
2	169590	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable		
3	169371	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable		
4	169413	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
5	141008	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
6	5559	5"	2 3/32"	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	II	OK	OK	OK	OK	0.481"	✓	OK	✓	..	..	-	Acceptable		
7	141010	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/16"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
8	111182	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
9	141210	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.466"	✓	OK	✓	..	..	-	Acceptable		
10	169416	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable		
11	169294	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
12	141099	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable		
13	169652	5"	2 3/32"	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	0.452"	✓	OK	✓	..	..	-	Acceptable		
14	169502	5"	2 3/32"	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	0.480"	✓	OK	✓	..	..	-	Acceptable		
15	169481	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 11/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.430"	✓	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		QUALIFICATION:								INSPECTION SUPERVISOR:	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24	Black Magnetic Ink 7HF	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		Magnaflux	220605	JULY, 2025	SIGNATURE & STAMP				CLIENT:		
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							

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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:	S-135(S2)	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 12

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	169385	5"	2 3/32"	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	0.481"	✓	OK	✓	..	..	-	Acceptable		
2	169446	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
3	169291	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.492"	✓	OK	✓	..	..	-	Acceptable		
4	169682	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
5	169452	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable		
6	60467	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable		
7	60120	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable		
8	169404	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
9	169346	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
10	169421	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
11	141118	5"	2 3/32"	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	II	OK	OK	OK	OK	0.492"	✓	OK	✓	..	..	-	Acceptable		
12	141101	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
13	60570	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.475"	✓	OK	✓	..	..	-	Acceptable		
14	60361	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
15	169674	5"	2 3/32"	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	0.485"	✓	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				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		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				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:		INSPECTION SUPERVISOR:	
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		1017374		14-Aug-24		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		ASNT LEVEL II MT.PT.		NAVEED HUSSAIN	
BLACK LIGHT		1900084		14-Aug-24		INTENSITY METER		1608000134		14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		SIGNATURE & STA		CLIENT:	
EMI UNIT		TSEZW05152269		15-Aug-24		PIT GAUGE		97594		14-Aug-24		Fluorescent Magnetic Ink 14HF		Magnaflux		220306		MARCH,2025					
UV LIGHT INTENSITY:		0.1 to 0.4 ml/100 ml				7HF Concentration:		1.1 to 1.4 ml/100 ml															
14HF Concentration:		0.1 to 0.4 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:	7-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2 IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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 12

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	169674	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable	
2	169580	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable	
3	141060	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable	
4	60291	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable	
5	169526	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable	
6	60122	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 11/16"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.485"	✓	OK	✓	..	..	-	Acceptable	
7	60413	5"	2 3/32"	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	II	OK	OK	OK	OK	0.481"	✓	OK	✓	..	..	-	Acceptable	
8	169488	5"	2 3/32"	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	II	OK	OK	OK	OK	0.463"	✓	OK	✓	..	..	-	Acceptable	
9	141333	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/16"	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	0.492"	✓	OK	✓	..	..	-	Acceptable	
10	169704	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable	
11	141071	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable	
12	60527	5"	2 3/32"	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	II	OK	OK	OK	OK	0.457"	✓	OK	✓	..	..	-	Acceptable	
13	60066	5"	2 3/32"	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	II	OK	OK	OK	OK	0.477"	✓	OK	✓	..	..	-	Acceptable	
14	60265	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 9/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 11/16"	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.488"	✓	OK	✓	..	..	-	Acceptable	
15	141317	5"	2 3/32"	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	0.463"	✓	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:		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		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		ASNT LEVEL II MT.PT.UT		NAVEED 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		Fluorescent Magnetic Ink 14HF		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:	7-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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 12

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	169604	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
2	169317	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable		
3	169586	5"	2 3/32"	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	0.481"	✓	OK	✓	..	..	-	Acceptable		
4	141272	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
5	169605	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
6	169251	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
7	169389	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable		
8	141324	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable		
9	141254	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable		
10	169570	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
11	169599	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
12	60166	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
13	141162	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
14	169424	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
15	4112279	5"	2 3/32"	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	II	OK	OK	OK	OK	0.475"	✓	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			SENIOR INSPECTOR:		
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			VEED HUSSAIN		
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF			MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:			CTION SUPERVISOR:		
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24				Magnaflux	220605	JULY,2025	ASNT LEVEL II MT.PT,UT			VEED 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	Fluorescent Magnetic Ink 14HF			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:	8-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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 12

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	60630	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable
2	141154	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable
3	169530	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable
4	169541	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
5	141226	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
6	169366	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
7	60335	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
8	169380	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable
9	141076	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable
10	60450	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable
11	169666	5"	2 3/32"	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	0.481"	✓	OK	✓	..	..	-	Acceptable
12	60671	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
13	169549	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
14	169344	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	10"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
15	169408	5"	2 3/32"	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	0.469"	✓	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				MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:		INSPECTION SUPERVISOR:	
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		1017374		14-Aug-24		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		ASNT LEVEL II MT.PT.UT		NAVEED 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		Fluorescent Magnetic Ink 14HF		Magnaflux		220306		MARCH,2025					
UV LIGHT INTENSITY:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml																	
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

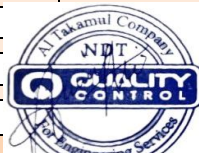
CUSTOMER:	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY SERVICES (HONG KONG) CO LIMITED IRAQ				LOCATION:	RU-626	RIG No:	ZPEC-25	DATE OF WORK:	8-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-8-24-0216-007	
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-5				REPORT PAGE NO:	7 to 12

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	169629	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
2	169311	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
3	141087	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable		
4	60358	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
5	141006	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable		
6	141130	5"	2 3/32"	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	0.481"	✓	OK	✓	..	..	-	Acceptable		
7	141001	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
8	622	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
9	141260	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
10	141380	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable		
11	169654	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable		
12	141106	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable		
13	169388	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
14	169361	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
15	DP-2	5"	2 3/32"	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	0.463"	✓	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:					
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:					
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					
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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QUALITY CONTROL
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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:	S-135(S2)	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 12

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	169548	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
2	DP-3	5"	2 3/32"	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	II	OK	OK	OK	OK	0.492"	✓	OK	✓	..	..	-	Acceptable		
3	60342	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 3/8"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
4	60137	5"	2 3/32"	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	0.469"	✓	OK	✓	..	..	-	Acceptable		
5	169250	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable		
6	60503	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.477"	✓	OK	✓	..	..	-	Acceptable		
7	169369	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
8	169399	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
9	60269	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
10	60369	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
11	60329	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
12	168316	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable		
13	169654	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
14	60356	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 1/2"	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	0.485"	✓	OK	✓	..	..	-	Acceptable		
15	141174	5"	2 3/32"	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	0.465"	✓	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:		INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24			Magnaflux		220605	JULY,2025	ASNT LEVEL II MT.PT.UT		NAVEED 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			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										
								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:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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 12

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	169432	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
2	141379	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
3	169355	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable
4	60115	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable
5	169461	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable
6	169439	5"	2 3/32"	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	0.465"	✓	OK	✓	..	..	-	Acceptable
7	169377	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
8	60542	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
9	141089	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
10	141177	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 3/4"	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	0.469"	✓	OK	✓	..	..	-	Acceptable
11	169382	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable
12	169475	5"	2 3/32"	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	0.477"	✓	OK	✓	..	..	-	Acceptable
13	177P517	5"	2 3/32"	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	II	OK	OK	OK	OK	0.488"	✓	OK	✓	..	..	-	Acceptable
14	141233	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
15	60153	5"	2 3/32"	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	II	OK	OK	OK	OK	0.463"	✓	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						
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:	9-Aug-24
PIPE NOMINAL OD:	3 1/2"		CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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 12

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	141134	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable		
2	169536	5"	2 3/32"	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	II	OK	OK	OK	OK	0.477"	✓	OK	✓	..	..	-	Acceptable		
3	60581	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
4	169433	5"	2 3/32"	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	II	OK	OK	OK	OK	0.463"	✓	OK	✓	..	..	-	Acceptable		
5	169259	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
6	169422	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
7	60121	5"	2 3/32"	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	II	OK	OK	OK	OK	0.466"	✓	OK	✓	..	..	-	Acceptable		
8	169463	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable		
9	169593	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable		
10	60357	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable		
11	169529	5"	2 3/32"	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	II	OK	OK	OK	OK	0.465"	✓	OK	✓	..	..	-	Acceptable		
12	60464	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable		
13	169648	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	8 5/8"	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	0.492"	✓	OK	✓	..	..	-	Acceptable		
14	169645	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable		
15	169284	5"	2 3/32"	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	0.469"	✓	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				MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:		SPECTION SUPERVISOR:													
DC COIL		SC22713		14-Aug-24		ULTRASONIC FLAW DETECTOR		1017374		14-Aug-24		Black Magnetic Ink 7HF		Magnaflux		220605		JULY,2025		ASNT LEVEL II MT.PT.UT		NAVEED 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		Fluorescent Magnetic Ink 14HF		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:	10-Aug-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC 38 (3 1/2IF)	WEIGHT:	(13.30 lbs/ft)	GRADE:	S-135(S2)	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:	111 to 12

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	166445	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
2	141176	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
3	60438	5"	2 3/32"	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	0.475"	✓	OK	✓	..	..	-	Acceptable
4	60359	5"	2 3/32"	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	0.488"	✓	OK	✓	..	..	-	Acceptable
5	169484	5"	2 3/32"	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	0.485"	✓	OK	✓	..	..	-	Acceptable
6	60394	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 11/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.465"	✓	OK	✓	..	..	-	Acceptable
7	169595	5"	2 3/32"	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	0.463"	✓	OK	✓	..	..	-	Acceptable
8	169641	5"	2 3/32"	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	0.492"	✓	OK	✓	..	..	-	Acceptable
9	169478	5"	2 3/32"	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	0.466"	✓	OK	✓	..	..	-	Acceptable
10	60654	5"	2 3/32"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/16"	OK	OK	OK	OK	OK	OK	OK	OK	II	OK	OK	OK	OK	0.469"	✓	OK	✓	..	..	-	Acceptable
11	60016	5"	2 3/32"	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	0.457"	✓	OK	✓	..	..	-	Acceptable
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
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Result:11 Joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED		11		PC = PREMIUM CLASS		11						
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								
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								
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								
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		11										
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.B=BODY BENT																
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY				
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnafux		220602		JUN,2025	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	Black Magnetic Ink 7HF		Magnafux		220605	JULY,2025	ASNT LEVEL II MT,PT,U		NAVEED HUSSAIN				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & STAM		CLIENT:				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF		Magnafux		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





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:	S-135(S2)	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:	12 to 12

[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		PC = PREMIUM CLASS		
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° [Internal surface any linear section of length 3 feet in tube area]		DRILL PIPE NEED TO BE RECUT		C2 = CLASS II		
P/I.T.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL				DRILL PIPE NEED TO BE RECHASE		C3 = CLASSA III		
P/I.T.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		C4 = CLASSA IV		
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				
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT		TO MPH 48" FROM BOX AND 36" FROM PIN		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.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	SC2713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24							
BLACK LIGHT	190008M	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24							
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24							
UV LIGHT INTENSITY:			2850 µw/cm²			Fluorescent Magnetic Ink 14HF		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		0.1 to 1.4 ml/100 ml		Magnaflux	220306	MARCH. 2025		
						Original - Client Files		Copy - Area Office		QC/FN/DP/070 Rev.00		



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