

### **5" DRILL PIPE INSPECTION REPORT**

### Al Takamul Company For Engineering Testing And Professional Safety Limted



Submitted To: ZPEC-25 / RU-612

















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









Cı	ustumer	ZHONGMAN PETROLEUM ENGINEERING TECHNOLOGY(HONG KONG) CO LIMITED IRAQ	Date Of Service	14.MAY.2024
L	ocation	RU-612	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 (344) of Joints 5" Drill Pipe Grade S2(S-135) Connection (HT50) weight (19.50 lbs/ft)

\* MPI Slip/Upset \* UFD Slip/Upset

\* UT Wall Thickness

\* Internal Cleaning

These Procedures Done On All Pipes As Below.

- \* Visual Connection
- \*Dimensional -2
- \*Blacklight Connection
- \*Heat Checking
- \*Visual Tube
- \* OD Gage
- \* EMI1
- OD Gage
- \* Complete Inspection Of Drill Pipe In Accordance With DS-1 Fifth Edition, Volume 3 / CAT-5&HT50 CONNECTION SHU GUANG OEM/DRILL PIPES MANUFACTURED SHU GUANG&MANUFACTURED YEAR 19/7/2022

### Result

- \*\*\* (344) No's Joints 5" OD Drill Pipe Grade S-135(S2) Weight 19.50 lbs/ft With (HT50) Total Inspected As Per (DS-1) Standards.
- \*\*\* 234 Joints Were Found Acceptable Premium Class (P/C)
- \*\* 110 Joints Were Found Un-Acceptable Rejected.

#### **REJECTION DETAILS FROM PIN & BOX CONNECTION**

- 72 Joints Were Found Un-Acceptable From Box Side Seal Damage (Rejected)
- \*\* 32 Joints Were Found Un-Acceptable From Pin Side Thread&Nose Seal Pitte&Thread Damage (Rejected)
- 6 Joints Was Found Un-Acceptable From Pin&Box Side Seal Damage Damage (Rejected)























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\* External Cleaning By Using Power Full Buff



CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	1 to 25
INSPECTION METHOD									

		El	MI1	٧			Heat	t Checking	9		٧			OD Gaug	)	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD O	F SLIP UPS	ET AREA			٧			
_																						81.189	LINGHT.									or				
	_		1	PIN DIMEN	ISION (II	NCHES	)	1			BOX DIME	NSION (	INCHES)	1		MPI OF		UT SLII	/UPSET		ONNECTION CTION.		CTION	INTER		AL TUBE	ITIOIN						FINAL	CLASS		
0	u ž			PIN	DIN		DIN	DIN		BOY	201		BOY	BOX	DOY							INSPE	CTION.					\GE	AGE F THIC		_		IIIAL	OLAGO		ı
S.N	PIPE RIAL	PIN OD.	PIN I.D	.CONNEC	PIN . NECK	BEVEL DIA.	PIN NOSE	. PIN TONG	Box OD	BOX SHOUL	BOX CONNEC	BEVEL DIA.	BOX C.BORE	C.BORE WALL	BOX TONG	PIN UPSET	BOX UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	INTERNAL	P /T INTERNAL	P/T	BODY	OD GA	AVERAGE PIPE WALL THIC	H.B	E					REMARKS
	SE	05.	1.0	LTH	LTH	Dat.	DIA	SPACE.		WIDTH	TION LTH	550	DIA.	THICKN ES	SPACE.	AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	PLASTIC COATING.	CLEANIN	P/T EXTERNAL CLEANING	ON.	0	₹ \$			PC	C2	C3	C4	
																									_											
1	207971	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/16"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.374"	NA	OK	√			-	Acceptable
2	208779	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ок	OK	ОК	ок	2	ОК	ОК	ОК	ОК	0.378"	NA	ОК	√			-	Acceptable
3	208526	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	ОК	OK	ок	OK	OK	ок	2	ОК	ОК	ОК	OK	0.393"	NA	ОК	<b>V</b>			-	Acceptable
4	208322 \$\( \begin{array}{cccccccccccccccccccccccccccccccccccc																																			
5																																				
6	208084	208084 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 8 3.44" 619/32" 18/32" 6.165" 61/8" 55/16" 1.875" 14/8" OK																																		
7	208186																																			
8	208005	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.381"	NA	ОК	<b>V</b>			-	Acceptable
9	207990	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.383"	NA	ОК	<b>V</b>			-	Acceptable
10	207818	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.379"	NA	ОК	<b>V</b>			-	Acceptable
11	207898	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	ОК	ок	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.382"	NA	ОК	<b>V</b>		-	-	Acceptable
12	208207	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ок	ок	ОК	ок	ОК	ок	ОК	2	ОК	ОК	ОК	OK	0.380"	NA	ОК	<b>√</b>			-	Acceptable
13	208361	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	ОК	ок	ок	ОК	ОК	ОК	2	ок	ОК	ок	OK	0.376"	NA	ОК	<b>√</b>				Acceptable
14	111	6 19/32"	3.50"	6.125"	1.25"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ок	ок	ОК	ОК	ОК	2	ок	ОК	ок	OK	0.378"	NA	ОК	<b>√</b>			-	Acceptable
15	207902	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ок	ок	ОК	ОК	ОК	2	ок	ОК	ок	OK	0.379"	NA	ОК	<b>√</b>			-	Acceptable
	•					•	•			•	•	Resul	t:15 To	ints \	Vere I	ound.	Accep	table l	From P	in & B	ox Side	es Pre	mium	Class	(P/C) (	Ready	To Use	e).	•	•						

					Resul	t:15 Joints \	Were Found Acceptable From P	in & Bo	ox Sides Pre	emium Class (	(P/C) (Ready '	l'o Use).			
ABBREVATIONS U	ISED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	NSPECTION	CLASSIFICATION OF DRILL	PIPE	ONLINE TRACEBILITY	
PIN COND = P	IN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P =	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3=>20% AND ≤35% 4	4= >35%	TOTAL D	RILL PIPE INSPECTE	D 15	PC = PREMIUM CLASS	15		
S.P = 1	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN	OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
P/T.I.C = PIPE/TU	JBE INTERNAL CLEAN	NING	SWO = SEAL WASHOUT		RB = RE		feet in tube area)			NEED TO BE RECHA		C3 = CLASSA III	N/A	<b>公司等基金</b>	
P/T.I.C = PIPE/TU	IBE EXTERNAL CLEAR	NING	RF = RE FACING		ID.D.I.P=ID DEEP II	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	:≥50%	DRILL PIPE	NEED TO BE STRAIG	GHT N/A	C4 = CLASSA IV	N/A		
IPC = INTER	NAL PLACTIC COATIN	NG.	CR = CRACK		N.P=NOS	E PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA	PIN, BOX	D	RILL PIPE JUNK	N/A			<b>高等系列的</b>	
CSA = CR	OSS SECTION AREA		BS =BOX SWELL		B.B=BOD	Y BENT	TO MPI 48" FROM BOX AND 36" FROM PIN		DRII	LL PIPE USEABLE	15			LI F III D THE CO	
INSPECTION EQUIP	CTION EQUIPMENT DETAILS PERSON DETAILS PERSON DETAILS PERSON DETAILS PERSON DETAILS SERIAL NUMBER CAL DUE DATE: SE														
EQUIPMENT	MENT SERIAL NUMBER CALDUE DATE: EQUIPMENT SERIAL NUMBER CALDUE DATE: EQUIPMENT SERIAL NUMBER CALDUE DATE: SERIAL NUMBER CALDUE DA														
AC YOKE	201504053	14-Aug-24			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAO SCHAIL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-24			2722003	14-Aug-24					,	NIDOT SELL			
DC COIL	SC22713	14-Aug-24			1017374	14-Aug-24		MAN	NUFACTURE	BATCH NO	EXPIRE DATE	CHALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025	T TO LIGHT TO		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE		97594	14-Aug-24						AL IT ZOO		*	
UV LIG	GHT INTENSITY:		290	0 μw/cm²				MAN	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR' & STAIR		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF	ı	Magnaflux	220306	MARCH,2025	A Kingering Set 1			
							Original - Client Files Copy - A	Area Offic	e QC/FN/	DP/070 Rev.00					



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	2 to 25
INSPECTION METHOD									

		E	MI1	٧			Heat	Checking	3		٧		(	OD Gaug	е	٧		TH.Pro	ile Gauge	٧		D	PT	-				UFD O	SLIP UPS	ET AREA			٧	[		
				PIN DIMEN	ISION (II	NCHES	)				BOX DIME	NSION (	INCHES)			MPI OF		IIT SI I	P /UPSET		ONNECTION		LINGHT.			AL TUBE					1					
	9			PIN										BOX		/UPSET	AREA	01 311	TOPOLI	INSPE	CTION.	INSPE		INTER	RNAL EXTE	RNAL CON	DITIOIN	35	B .∃				FINAL	CLASS		
S.NO	PIPE SERIAL .	PIN OD.	PIN I.D	.CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAG	AVERAGE PIPE WALL THIC	н.в	EMI	PC	C2	С3	C4	REMARKS
16	207728	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	2	ОК	ОК	ОК	ОК	0.379"	NA	ОК	<b>√</b>			-	Acceptable							
17	207961	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	2	ОК	ОК	ОК	ОК	0.376"	NA	ОК	<b>√</b>			-	Acceptable							
18	208064	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	Acceptable							
19	207715	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ок	2	ОК	ок	ОК	ОК	0.384"	NA	ОК	√			-	Acceptable						
20	D29																																			
21	207833	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	OK	OK	OK	2	OK	ОК	ОК	ОК	0.379"	NA	OK	√			-	Acceptable
22	208517	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	OK	ОК	OK	2	ОК	OK	ОК	OK	0.378"	NA	OK	√			-	Acceptable
23	207718	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 5/8"	OK	OK	ОК	ОК	OK	OK	ОК	OK	2	ОК	OK	ОК	OK	0.381"	NA	OK	√			-	Acceptable
24	208355	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 1/4"	OK	ОК	ОК	ОК	ОК	OK	OK	OK	2	OK	ОК	ОК	ОК	0.382"	NA	OK	√			-	Acceptable
25	208388	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	OK	OK	OK	2	OK	ОК	ОК	ОК	0.381"	NA	OK	√			-	Acceptable
26	207929	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	ОК	ОК	OK	OK	ОК	OK	2	ОК	OK	ОК	OK	0.384"	NA	OK	√			-	Acceptable
27	207895	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	ОК	ОК	OK	OK	ОК	OK	2	ОК	OK	ОК	OK	0.383"	NA	OK	√			-	Acceptable
28	208508	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	OK	ОК	OK	ОК	ОК	2	OK	ОК	OK	OK	0.379"	NA	OK	√			-	Acceptable
29	207857	6 20/32"	3.50"	6.125"	1.25"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	11 3/8"	OK	ОК	ОК	OK	ОК	OK	ОК	ОК	2	OK	ОК	OK	OK	0.383"	√	OK	√			-	Acceptable
30	D26	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 20/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	ОК	ОК	OK	OK	ОК	ОК	ОК	2	OK	OK	OK	OK	0.382"	√	OK	√			-	Acceptable
												Resul	t:15 Jo	ints \	Were 1	ound .	Accep	table :	From F	in & E	Box Sid	es Pre	mium	Class	(P/C) (	Ready	To Use	e).								

Result:15 Joints v	vere round Acceptable from Pin & B	ox Sides Premium Class (P/C) (Ready)	10 Use).
	REPRESENTATIONS	SUMMARY OF DRILL PIPE INSPECTION	CI

					Resui	r:12 loures a	were round Acceptable From F	шав	ox sides Fre	eminin Ciass (	r/G) (Ready .	io osej.			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	ISPECTION	CLASSIFICATION OF DRIL	L PIPE	ONLINE TRACEBILITY	
PIN COND = P	PIN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P =	LIGHT PITTING		SD = SEAL DAMAGE		MS = MAS	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	4= >35%	TOTAL D	RILL PIPE INSPECTE	D 15	PC = PREMIUM CLASS	15		
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	DRILL PIF	E NEED TO BE RECU	IT N/A	C2 = CLASS II	N/A	1	
P/T.I.C = PIPE/TU	UBE INTERNAL CLEAN	NING	SWO = SEAL WASHOUT		RB = RE	BEVEL	feet in tube area)		DRILL PIPE	NEED TO BE RECHA	SE N/A	C3 = CLASSA III	N/A	<b>公司等基础</b>	
P/T.I.C = PIPE/TU	JBE EXTERNAL CLEA	NING	RF = RE FACING		ID.D.I.P=ID DEEP I	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	:≥50%	DRILL PIPE	NEED TO BE STRAIG	SHT N/A	C4 = CLASSA IV	N/A	2550 N3C	
IPC = INTER	RNAL PLACTIC COATIN	NG.	CR = CRACK		N.P=NOS	E PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA	PIN, BOX	D	RILL PIPE JUNK	N/A				
CSA = CR	ROSS SECTION AREA		BS =BOX SWELL		B.B=BOI	DY BENT	TO MPI 48" FROM BOX AND 36" FROM PIN		DRII	L PIPE USEABLE	15				
INSPECTION EQUIP	TECHNICAL DETAILS PERSON DETAILS REVIEW BY														
EQUIPMENT	SERIAL NUMBER	CAL.DUE DA	TE: EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:		MA	NUFACTURE	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	RAO SCHALL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-24	LUX METER		2722003	14-Aug-24			iviagrialiux	220002	3014,2023	MOVE SELLING		W.ITAD	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR		1017374	14-Aug-24		MA	NUFACTURE	BATCH NO	EXPIRE DATE	COLALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER		1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025			WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE		97594	14-Aug-24			iviagrialiux			AS IT TOUCH		WAQASAWAN	
UV LIC	GHT INTENSITY:		290	0 μw/cm²				MA	NUFACTURE	BATCH NO	EXPIRE DATE	SICNATUR! & STAN		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	The incering Secret			
							Original - Client Files Copy -	Area Offic	e OC/FN/	DP/070 Rev.00	·				



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	3 to 25
INSPECTION METHOD									

		EMI1 V Heat Checking V  PIN DIMENSION (INCHES ) BOX DIMENSION (INCHES )													Ð	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD OI	SLIP UPS	ET AREA			٧	1		
_	1			DIN DIME	ICION (I	HOUES			10		DOV DIME	NCION /	NOUES )									RIACK	LINGHT.						1	1	1	1				
				PIN DIME	VSION (I	NCHES	) 				BOX DINE	NOION (	INCHES)			MPI OF		UT SLI	P /UPSET		ONNECTION ECTION.	CONNE	CTION	INTER		AL TUBE RNAL COND	ITIOIN		ci				FINAL	CLASS		
9	PIPE RIAL .N	DIN	DIN	PIN	PIN.	DE /EI	PIN	. PIN	D	BOX	BOX	פרו יידו	BOX	BOX C.BORE	BOX										P/T			GAGE	SAGE PE THI	н.в	5					
S.NO	PIE	PIN OD.	PIN I.D	.CONNEC	NECK LTH	BEVEL DIA.	NOSE DIA	TONG SPACE.	Box OD	SHOUL	CONNEC TION LTH	BEVEL DIA.	C.BORE DIA.	WALL	TONG SPACE.	UPSET	BOX	TOOL	TOOL	PIN TOOL	TOOL	PIN TOOL	TOOL	PLASTIC COATING.	INTERNAL	P/T EXTERNAL CLEANING	BODY CONDITI	9 QO	AVERAGE PIPE WALL THIC	п.Б	ū	PC	C2	C3	C4	REMARKS
	0			LIH										ES		AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.		. ,			10	O2	03	04	
31	208334	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.381"	NA	ОК	<b>V</b>			-	Acceptable
32	207855	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.379"	NA	ОК	<b>V</b>				Acceptable
33	208059	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.384"	NA	ОК	<b>V</b>				Acceptable
34	208343	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ок	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.385"	NA	ОК	<b>V</b>			-	Acceptable
35	D25	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.379"	NA	ОК	<b>V</b>			-	Acceptable
36	208172	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	OK	OK	ОК	ОК	OK	ОК	OK	2	OK	ОК	ОК	OK	0.381"	√	OK	√			-	Acceptable
37	208390	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 20/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	ОК	OK	ОК	OK	OK	OK	OK	2	OK	ОК	OK	OK	0.379"	√	OK	√			-	Acceptable
38	207706	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	ОК	ОК	OK	ОК	OK	2	OK	ОК	ОК	OK	0.380"	NA	OK	<b>V</b>			-	Acceptable
39	208312	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 20/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	11"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.381"	<b>V</b>	ОК	<b>V</b>			-	Acceptable
40	207953	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	ОК	OK	ОК	ОК	OK	ОК	OK	2	OK	OK	ОК	OK	0.384"	<b>V</b>	OK	<b>V</b>			-	Acceptable
41	208389	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	OK	ОК	ОК	OK	ОК	OK	2	OK	OK	ОК	OK	0.386"	NA	ОК	<b>V</b>			-	Acceptable
42	208430	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	OK	OK	ОК	ОК	OK	ОК	OK	2	OK	OK	ОК	OK	0.382"	<b>V</b>	ОК	<b>V</b>			-	Acceptable
43	208397	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	OK	ОК	ОК	OK	0.380"	NA	ОК	<b>V</b>			-	Acceptable
44	208334	6 19/32"	3.50"	6.125"	1.25"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	OK	ОК	ОК	OK	ОК	OK	2	OK	ОК	ОК	OK	0.381"	NA	OK	<b>V</b>			-	Acceptable
45	208469	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	ОК	ОК	ОК	ОК	OK	2	OK	OK	ОК	OK	0.382"	NA	ОК	<b>V</b>			-	Acceptable
												Resul	t:15 To	oints V	Vere 1	bruo	Accep	table l	From P	in & F	Sox Side	es Pre	mium	Class	(P/C) (	Ready	To Use	2).								

					Resul	t:15 Joints \	Were Found Acceptable From P	in & B	ox Sides Pr	emium Class (	P/C) (Ready ?	Γο Use).			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	SPECTION	CLASSIFICATION OF DRILL	PIPE	ONLINE TRACEBILITY	
PIN COND = P	PIN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P =	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	1= >35%	TOTAL D	RILL PIPE INSPECTE	15	PC = PREMIUM CLASS	15		
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	DRILL PI	E NEED TO BE RECU	T N/A	C2 = CLASS II	N/A		
P/T.I.C = PIPE/TU	UBE INTERNAL CLEAN	NING	SWO = SEAL WASHOUT		RB = RE	BEVEL	feet in tube area)		DRILL PIPE	NEED TO BE RECHA	SE N/A	C3 = CLASSA III	N/A	<b>公司等基础</b>	
P/T.I.C = PIPE/TU	JBE EXTERNAL CLEAR	NING	RF = RE FACING		ID.D.I.P=ID DEEP II	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	≥50%	DRILL PIPE	NEED TO BE STRAIG	HT N/A	C4 = CLASSA IV	N/A		
IPC = INTER	RNAL PLACTIC COATIN	NG.	CR = CRACK		N.P=NOS	E PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA	PIN, BOX	D	RILL PIPE JUNK	N/A				
CSA = CR	ROSS SECTION AREA		BS =BOX SWELL		B.B=BOD	Y BENT	TO MPI 48" FROM BOX AND 36" FROM PIN		DRI	L PIPE USEABLE	15			- V 1210 WEED	
INSPECTION EQUIP	IN EQUIPMENT DETAILS PERSON DETAILS PERSON DETAILS REVIEW BY														
EQUIPMENT	SERIAL NUMBER	CAL.DUE	DATE: EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:		MAI	NUFACTURE	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	RAOSCHAIL		M.FHAID	
UT THICK. METER	520750	14-Aug	-24 LUX METER		2722003	14-Aug-24			iviagrialiux			MINT SE		WITTALD	
DC COIL	SC22713	14-Aug	24 ULTRASONIC FLAW DETECTOR		1017374	14-Aug-24		MAI	NUFACTURE	BATCH NO	EXPIRE DATE	CUALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug	-24 INTENSITY METER		1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY.2025	( T 1 ( ) ( ) ( ) ( )		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug	-24 PIT GAUGE		97594	14-Aug-24			iviagrialiux	220003	JUL1,2025	AS IT TOUGH		WAQAS AWAN	
UV LIC	GHT INTENSITY:		290	0 μw/cm²				MAI	NUFACTURE	BATCH NO	EXPIRE DATE	SICNATURE & STAN		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Or Delivering Second		·	
							Original - Client Files Copy -	Area Offic	e OC/FN	DP/070 Rev.00					





















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

CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	4 to 25
INSPECTION METHOD									

Dry MPI

MPI Slip & Upset 
√

		E	MI1	٧			Heat	Checking			٧		(	OD Gauge	Ð	٧		TH.Prof	ile Gauge	٧		D	PT	-				UFD O	F SLIP UPS	ET AREA			٧			
				PIN DIMEN	ISION (II	ICHES )	)				BOX DIME	NSION (	INCHES)			MPI OF		LIT SLIE	P /UPSET		ONNECTION		LINGHT.			AL TUBE					1					
0	Q			PIN										BOX		/UPSET	AREA	01 02	70.02.	INSPE	CTION.	INSPE		INTER		RNAL COND	DITIOIN	E E	AGE THC.		_		FINAL	CLASS		
S.NO	PIPE SERIAL	PIN OD.	PIN I.D	.CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	TONG SPACE.	Box OD	SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	C.BORE WALL THICKN	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	TOOL	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANIN	P/T EXTERNAL CLEANING	BODY	OD G4	AVERAGE PIPE WALL THIC	H.B	Ē	PC	C2	C3	C4	REMARKS
	.,,			LIII										ES		AREA.	AREA.	JOIN1.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.									
46	208358	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	2	ОК	ОК	ОК	OK	0.383"	NA	ОК	√			-	Acceptable						
47	208406	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	ок	ОК	ок	OK	ОК	ОК	2	ОК	ОК	ОК	ОК	0.380"	NA	ОК	√			-	Acceptable
48	207969	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	2	ОК	ОК	ОК	ОК	0.382"	NA	ОК	<b>V</b>		-	-	Acceptable						
49	208305	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК	2	ОК	ОК	ОК	OK	0.383"	NA	ОК	√			-	Acceptable
50	207849	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК	2	ОК	ОК	ОК	OK	0.378"	NA	ОК	√			-	Acceptable
51	208003	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	OK	ОК	ОК	OK	OK	ОК	2	OK	OK	ОК	OK	0.384"	NA	OK	√			-	Acceptable
52	207800	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	OK	ОК	ОК	OK	OK	ОК	2	OK	OK	ОК	OK	0.378"	NA	OK	√			-	Acceptable
53	208221	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	ОК	OK	ОК	ОК	OK	OK	ОК	2	OK	OK	ОК	OK	0.383"	<b>V</b>	OK	<b>V</b>			-	Acceptable
54	D24	6 20/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	ОК	ОК	2	ОК	ОК	ОК	OK	0.384"	<b>√</b>	ОК	√			-	Acceptable						
55	207540	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	2	ОК	ОК	ОК	OK	0.386"	NA	ОК	√			-	Acceptable						
56	207996	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	2	ОК	ОК	ОК	OK	0.385"	NA	ОК	√			-	Acceptable						
57	208479	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	Acceptable						
58	208117	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>√</b>			-	Acceptable						
59	208162	6 19/32"	3.50"	6.125"	1.25"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК	2	ОК	ОК	ОК	OK	0.384"	NA	ОК	<b>√</b>		-	-	Acceptable
60	207997	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	2	ОК	ОК	ОК	ОК	0.381"	NA	ОК	√		-	-	Acceptable						
												Resul	t-15 To	ints T	Vere I	ound.	Accen	table l	From P	in & P	lox Side	es Pre	minm	Class	(P/C) (	Ready	To Us	e)								

					Resul	t:15 Joints V	Were Found Acceptable From P	in & Bo	ox Sides Pre	emium Class (	(P/C) (Ready '	Γο Use).		
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMMA	ARY OF DRILL PIPE IN	NSPECTION	CLASSIFICATION OF DRILL	PIPE	ONLINE TRACEBILITY
PIN COND = P	PIN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ibe Area						
L.P = 1	LIGHT PITTING		SD = SEAL DAMAGE		MS = MAS	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	l= >35%	TOTAL D	RILL PIPE INSPECTE	D 15	PC = PREMIUM CLASS	15	
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		PE NEED TO BE RECU		C2 = CLASS II	N/A	
P/T.I.C = PIPE/TU	UBE INTERNAL CLEAN	ING	SWO = SEAL WASHOUT		RB = RE	BEVEL	feet in tube area)		DRILL PIPE	NEED TO BE RECHA	ASE N/A	C3 = CLASSA III	N/A	<b>公司等基础</b>
P/T.I.C = PIPE/TU	JBE EXTERNAL CLEAN	IING	RF = RE FACING		ID.D.I.P=ID DEEP I	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	≥50%	DRILL PIPE	NEED TO BE STRAIG	SHT N/A	C4 = CLASSA IV	N/A	ARREST RESECTION
IPC = INTER	RNAL PLACTIC COATIN	G.	CR = CRACK		N.P=NOS	E PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA	PIN, BOX	DI	RILL PIPE JUNK	N/A			
CSA = CR	ROSS SECTION AREA		BS =BOX SWELL		B.B=BO	Y BENT	TO MPI 48" FROM BOX AND 36" FROM PIN		DRII	LL PIPE USEABLE	15			LI FILL D THE CO
INSPECTION EQUIP	MENT DETAILS							TECHNICA	L DETAILS			PERSON DETAILS		REVIEW BY
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	E: EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:		MAN	NUFACTURE	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	RAO SCHALL ON		M.FHAID
UT THICK. METER	520750	14-Aug-24	LUX METER		2722003	14-Aug-24			iviagrialiux	220002	3014,2023	MDT		11.11110
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR		1017374	14-Aug-24		MAN	NUFACTURE	BATCH NO	EXPIRE DATE	CHALIFICATION:		INSPECTION SUPERVISOR:
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER		1608000134	14-Aug-24	Black Magnetic Ink 7HF	١,	Magnaflux	220605	JULY.2025	Control of the second		WAQAS AWAN
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE		97594	14-Aug-24			iviagrianux	220003		* I Zalo		WAQASAWAN
UV LIG	GHT INTENSITY:		290	0 μw/cm²				MAN	NUFACTURE	BATCH NO	EXPIRE DATE	SICNATUR! & STAIR		CLIENT:
14HF Concentarion:	0.1 to 0.4 ml/10	0 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Or Deincering Series		
							Original - Client Files Copy - A	Area Offic	e QC/FN/	DP/070 Rev.00				



















Visual Connection

## Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

M FHAID

SPECTION SUPERVISOR

WAQAS AWAN

CLIENT:

Dimensional 2 

✓ UT Wall Thickness 

✓

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

CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	EERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	5 to 25
INSPECTION METHOD									

MPI Slip & Upset 

√

Dry MPI

	EMI1    Heat Checking											ļ		OD Gauge	Ð	٧		TH.Pro	file Gauge	٧	_	DI	PT	-				UFD C	F SLIP UPS	SET AREA			٧			
				PIN DIMEN	ISION (II	NCHES	)				BOX DIME	ENSION (	INCHES)			MPI OF		UT SLI	P /UPSET		CONNECTION PECTION.		LINGHT. ECTION	witte		AL TUBE	DITION!									
S.NO	PIPE SERIAL .NO	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANIN G	P/T	BODY L CONDITI	OD GAGE	AVERAGE PIPE WALL THIC.	н.в	EMI	PC	C2	CLASS C3	C4	REMARKS
61	208063	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	ОК	ОК	ок	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	Acceptable
62	208155	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.380"	NA	ОК	<b>√</b>			-	Acceptable
63	208091	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	OK	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ок	ОК	0.382"	NA	ОК	<b>V</b>			-	Acceptable
64	208189	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	Acceptable
65	208255	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.378"	NA	ОК	<b>√</b>			-	Acceptable
66	207700	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.384"	NA	ОК	<b>√</b>			-	Acceptable
67	207788	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.378"	NA	ОК	<b>√</b>			-	Acceptable
68	207846	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ОК	ОК	0.383"	<b>V</b>	ОК	<b>V</b>			-	Acceptable
69	208314	6 20/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	ОК	ОК	ОК	ок	ОК	ОК	ОК	2	ок	ОК	ОК	ОК	0.384"	<b>V</b>	ОК	<b>V</b>			-	Acceptable
70	222	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	OK	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ок	ОК	0.386"	NA	ОК	<b>V</b>			-	Acceptable
71	208055	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	OK	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ок	ОК	0.385"	NA	ОК	<b>V</b>			-	Acceptable
72	207724	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.383"	NA	ОК	<b>√</b>			-	Acceptable
73	207917	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.383"	NA	ОК	<b>√</b>			-	Acceptable
74	208230	6 19/32"	3.50"	6.125"	1.25"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ок	ОК	ОК	ОК	2	ок	ОК	ОК	OK	0.384"	NA	ок	<b>V</b>				Acceptable
75	2222	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 15/16"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	OK	ОК	ОК	OK	ОК	ОК	2	ОК	OK	ОК	ОК	0.381"	NA	ОК	<b>V</b>			-	Acceptable
													lt:15 Je	oints V	Were 1	ound .	Accep	table :	From P	in & 1	Box Sid						To Us									
ABBREVATIONS USED																		ENTATION				SUMMA	RY OF D	RILL PIPE I	INSPECTION	ON			CLASSIFIC	ATION OF D	ORILL PIPE					ONLINE TRACEBILITY
PIN COND = PIN CONDITION TD = THREAD DAMAGE  I P = LIGHT PITTING SD = SFAL DAMAGE										-			TTED SEAL						ating Loss in T 0% AND ≤35%		-	TOTAL DE	RII I PIPE	INSPECTE	FD	15	-	PC = P	REMIUM CLA	ss		15				同義を3920回
	L.P = LIGHT PITTING         SD = SEAL DAMAGE           S.P = SEVERE PITTING         PT = PITTED THREAD										W.O	D.T = WORN				,			linear section					O BE REC		N/A	1		= CLASS II		1	N/A				<b>美国教育</b>
	P/T.I.C = PIPE/TUBE INTERNAL CLEANING SWO = SEAL WASHOUT											RB = RI					feet in t	tube area)						BE RECH		N/A			= CLASSA III			N/A				<b>然是要被6</b> 数
	P/T.I.C = PIPE/TUBE EXTERNAL CLEANING RF = RE FACING										ID.D.I.P	=ID DEEP I		PITTING				_	5% & <50%, 4:		DF			BE STRAI	IGHT	N/A		C4	= CLASSA IV			N/A				
IPC = INTERNAL PLACTIC COATING. CR = CRACK  CSA = CROSS SECTION AREA BS =BOX SWELL												N.P=NOS B.B=BO	DY BENT		Magneti			C Yoke UPSET OX AND 36"	FROM PIN	A PIN, BOX	-		L PIPE U			N/A 15	1				1					
INSPE	CSA = CROSS SECTION AREA BS =BOX SWELL  INSPECTION EQUIPMENT DETAILS											5.5-50				TO HIPT	Thom be	AIID 30		TECHNIC	CAL DETAIL		_ /    _ 0	-ADLL		10			PERSON DE	TAILS	1				R	EVIEW BY
				CAL.DU	E DATE:	EQUIPM	ENT				SERIAL	NUMBER	CAL.DL	E DATE:							IANUFACTU		BAT	CH NO	EXPIR	RE DATE			NSPECTOR			ì				R INSPECTOR:
	EQUIPMENT SERIAL NUMBER CAL.DUE DATE: EQUIPMENT  AC YOKE 201504053 14-Aug-24 GAUSS METER										1400	01175	14-A	ua-24		White	Contrast	WCP-2											umu							



14-Aug-24

14-Aug-24

15-Aug-24

UT THICK. METER

DC COIL

BLACK LIGHT

EMILINIT

520750

SC22713

1900084

TSF7W05152260



LUX METER

INTENSITY METER

PIT GALIGE



2722003

1017374

1608000134

97594



14-Aug-24

14-Aug-24

14-Aug-24

14-Aug-24



MPI Connection √





Black Magnetic Ink 7HF





Magnaflux

MANUFACTURE

Magnaflux

220602

220605

BATCH NO

JUN.2025

JULY,2025

EXPIRE DATE

MARCH,2025



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

CUSTOMER:	ZHONGMAN PETROLEUM ENGI	NEERING TECHNOLOGY(HON	NG KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	15-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	B 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	6 to 25
INSPECTION METHOD	)				•				
Vis	sual Tube V Visual Connect		MPI Connection   OD Gauge	MPI Slip & Upset	√ Dry MPI	-	Dimensional 2   UFD OF SLIP UPS	UT Wall Thickness V	

		E	MI1	٧	ļ		Heat	Checking	l		٧		,	DD Gauge	)	٧	]	TH.Prof	le Gauge	٧	]	DI	PI	-				UFDO	F SLIP UPS	EI AREA			٧	ļ		I
				PIN DIMEN	ISION (II	NCHES	)				BOX DIME	NSION (	NCHES)			MPI OF		UT SLIF	/IIPSFT		ONNECTION	BLACK	LINGHT.			AL TUBE										
	o S.			PIN										BOX		/UPSET	AREA	OT SEII	TOFOLI	INSPE	CTION.	INSPE		INTER	NAL EXTE	RNAL COND	ITIOIN	끯	B				FINAL	CLASS		
S.NO	PIPE SERIAL	PIN OD.	PIN I.D	.CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	TOOL	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GA	AVERAGE PIPE WALL THIC	H.B	EMI	PC	C2	C3	C4	REMARKS
76	207760	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	2	ОК	ОК	ОК	OK	0.385"	NA	ОК	<b>V</b>			-	Acceptable						
77	208284	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/4"	OK	ок	ОК	ОК	ОК	OK	ОК	ОК	2	ОК	ОК	ок	OK	0.382"	NA	ОК	<b>V</b>			-	Acceptable
78	208244	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	2	ОК	ОК	ОК	OK	0.381"	NA	ОК	<b>V</b>				Acceptable						
79	208118	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	2	ОК	ОК	ок	ОК	0.384"	NA	ОК	<b>V</b>			-	Acceptable						
80	208061	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ок	2	ОК	ОК	ок	ОК	0.379"	NA	ОК	<b>√</b>			-	Acceptable						
81	208035	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	2	ОК	ОК	ок	ОК	0.382"	NA	ОК	<b>√</b>			-	Acceptable						
82	208415	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	2	ОК	ОК	ок	ОК	0.379"	NA	ОК	<b>√</b>			-	Acceptable						
83	208 732	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	2	ОК	ОК	ок	ОК	0.388"	NA	ОК	<b>V</b>			-	Acceptable						
84	208749	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	2	ОК	ОК	ок	ОК	0.382"	NA	ОК	<b>V</b>			-	Acceptable						
85	207738	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	2	ОК	ОК	ок	ОК	0.388"	NA	ОК	<b>V</b>			-	Acceptable						
86	208154	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	2	ОК	ОК	ок	ОК	0.384"	NA	ОК	<b>V</b>			-	Acceptable						
87	777	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ок	2	ОК	ОК	ок	ОК	0.382"	NA	ОК	<b>√</b>			-	Acceptable						
88	200270 64922" 250" 6425" 475" 6420" 4242" 9770" 64922"											6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	2	ОК	ОК	ОК	ОК	0.380"	NA	ОК	<b>√</b>				Acceptable						
89													5 5/16"	1.875"	14 1/2"	ОК	ок	ОК	OK	ОК	OK	ОК	ОК	2	OK	ОК	ОК	ОК	0.382"	NA	ОК	<b>V</b>			-	Acceptable
90	209252 64030 350 64050 4750 64050 43400 64050 640													1.875"	15"	ОК	ок	ОК	OK	ОК	OK	ОК	ОК	2	OK	ОК	ОК	ОК	0.382"	NA	ОК	<b>V</b>			-	Acceptable
												Resul	t:15 Jo	ints V	Vere I	ound .	Ассер	table l	rom P	in & B	ox Sid	es Pre	mium	Class (	(P/C) (	Ready	To Use	e).								
AB	REVATIONS	USED															REPRESI	NTATION	S			SUMMA	RY OF DR	ILL PIPE IN	NSPECTIC	ON			CLASSIFICA	ATION OF D	RILL PIPE					ONLINE TRACEBILITY

					Resul	t:15 Joints V	Were Found Acceptable From P	in & B	ox Sides Pr	emium Class (	P/C) (Ready 1	l'o Use).		
ABBREVATIONS U	ISED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	ISPECTION	CLASSIFICATION OF DRI	LL PIPE	ONLINE TRACEBILITY
PIN COND = PI	IN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area						
	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	4= >35%		RILL PIPE INSPECTE		PC = PREMIUM CLASS	15	
	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN		Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A	
	JBE INTERNAL CLEAP		SWO = SEAL WASHOUT		RB = RE		feet in tube area)			E NEED TO BE RECHA		C3 = CLASSA III	N/A	
	IBE EXTERNAL CLEA		RF = RE FACING		ID.D.I.P=ID DEEP II		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	DRILL PIPE	NEED TO BE STRAIG		C4 = CLASSA IV	N/A		
IPC = INTERI	NAL PLACTIC COATIN	NG.	CR = CRACK		N.P=NOS	E PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA	PIN, BOX	D	RILL PIPE JUNK	N/A			
CSA = CRO	OSS SECTION AREA		BS =BOX SWELL		B.B=BOD	DY BENT	TO MPI 48" FROM BOX AND 36" FROM PIN			LL PIPE USEABLE	15			
INSPECTION EQUIP									IL DETAILS			PERSON DETAILS		REVIEW BY
	SERIAL NUMBER		ATE: EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:		MA	NUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	and the second	SENIOR INSPECTOR:
AC YOKE	201504053	14-Aug-2			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAO SCHAIL ON		M.FHAID
UT THICK. METER	520750	14-Aug-2			2722003	14-Aug-24					,	WE THE THE		
DC COIL	SC22713	14-Aug-2			1017374	14-Aug-24		MA	NUFACTURE	BATCH NO	EXPIRE DATE	CATALIFICATION:		INSPECTION SUPERVISOR:
BLACK LIGHT	1900084	14-Aug-2			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY.2025	GOT TO MAKE IT		WAQAS AWAN
EMI UNIT	TSEZW05152269	15-Aug-2			97594	14-Aug-24			•			AS.T Zald		**
UV LIG	SHT INTENSITY:		290	) μw/cm²				MA	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR'S & STAME	e e e e e e e e e e e e e e e e e e e	CLIENT:
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Opening Series		
							Original - Client Files Copy - A	Area Offic	ce QC/FN	/DP/070 Rev.00				



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	15-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	7 to 25
INSPECTION METHOD									

			EN	WI1	٧			Hea	t Check	king			٧		(	OD Gaug	Ð	٧		TH.Pro	ile Gauge	٧	]	D	PT	-				UFD O	F SLIP UPS	SET AREA			٧			
	10	- 1			PIN DIMEN	ICION (	NOUE						OV DIME	NSION (	NOUEC			MPI OF		1		VIS	UAL	BLACK	LINGHI.	_				li .	1	) [	1	ı .				
		,  -			PIN DIME	NSION (I	NCHES	1		_			OX DINE	NOION (	NCHES)			/UPSET		UT SLI	/UPSET		ECTION	CONNI	ECTION	INTER		AL TUBE RNAL CONI	DITIOIN		vi				FINAL	CLASS		
2	<u>ш</u>	z. _			PIN	PIN.		PIN	. PIN	N		BOX	BOX		BOX	BOX C.BORE	BOX										P/T			AGE	AGE THI		=					
ON O	PIPE	EKIA	PIN OD.	PIN I.D	.CONNEC	NECK LTH	DIA.	NOSE	TON	NG CF	Box OD	SHOUL	CONNEC TION LTH	BEVEL DIA.	C.BORE DIA.	WALL	TONG SPACE.	PIN UPSET	BOX UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL	TOOL	INTERNAL PLASTIC		P/T EXTERNAL CLEANING	BODY L CONDITI	9 00	AVERAGE PIPE WALL THIC	H.B	<u> </u>					REMARKS
		0			LTH											ES		AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.		` >			PC	C2	C3	C4	
9	2079	91 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	8 7/	8" 6	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ок	ок	ОК	ОК	0.374"	NA	ок	V			-	Acceptable
9	2084	129 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	8 7/	8" 6	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.378"	NA	ОК	V			-	Acceptable
9	2078	207815 61932" 3.50" 6.125" 1.75" 61/8" 4.312" 8 7/8" 619/32" 18/32" 6.166" 61/8" 5 5/16" 1.875" 14.34" OK OK OK OK OK OK 2077703 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 8 3/4" 619/32" 18/32" 6.166" 61/8" 5 5/16" 1.875" 14.78" OK OK OK OK OK OK															ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.393"	NA	ОК	V			-	Acceptable					
9	207	703 6	8 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 8 3/4" 6 19/32" 6.168" 6 1/8" 5 5/16" 1.875" 14 7/8" OK															ОК	0.394"	NA	ОК	<b>V</b>		-	-	Acceptable												
9	2085	515 6																ОК	0.384"	NA	ОК	<b>V</b>			-	Acceptable												
9	2084	208515 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 9" 619/32" 18/32" 6.168" 61/8" 55/16" 1.875" 14.78" OK															2	ОК	ок	ок	ОК	0.379"	NA	ОК	<b>V</b>			-	Acceptable									
9	7 2083	308 <b>6</b>	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	8 7/	'8" €	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ОК	ОК	0.375"	NA	ОК	<b>V</b>			-	Acceptable
9	2084	180 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	8 7/	8" 6	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.381"	NA	ОК	<b>V</b>			-	Acceptable
9	2077	725 6	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312	8 7/	8" 6	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	ок	ОК	ок	ОК	ОК	2	ОК	ок	ок	ОК	0.383"	NA	ОК	<b>V</b>		-	-	Acceptable
10	0 2080	30 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	8 7/	'8" E	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.379"	NA	ОК	<b>V</b>		-	-	Acceptable
10	1 208	125 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	" 8 3/-	4" 6	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.382"	NA	ОК	<b>V</b>			-	Acceptable
10	2077	736 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	" 8 3/-	4" 6	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.380"	NA	ОК	<b>V</b>			-	Acceptable
10	3 2082	229 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	" 9"	. 6	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	OK	ОК	0.376"	NA	ОК	<b>V</b>			-	Acceptable
10	4 2083	346 6	6 19/32"	3.50"	6.125"	1.25"	6 1/8"	4.312	8 7/	'8" €	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	OK	ОК	ОК	2	OK	OK	ОК	ОК	0.378"	NA	OK	<b>V</b>			-	Acceptable
10	5 2082	275 6	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312	8 3/-	4" 6	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	OK	ОК	ОК	ОК	2	OK	ОК	ОК	ОК	0.379"	NA	OK	<b>V</b>			-	Acceptable
														Resul	t:15 Jo	ints \	Vere I	ound .	Accep	table :	From P	in & E	Box Sid	es Pre	mium	Class	(P/C) (	Ready	To Us	e).								

					Resul	t:15 Joints V	Were Found Acceptable From P	in & B	Box Sides Pro	emium Class (	(P/C) (Ready '	Γο Use).			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE I	NSPECTION	CLASSIFICATION OF DR	LL PIPE	ONLINE TRACEBILITY	
PIN COND = P	PIN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P = I	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	1= >35%		RILL PIPE INSPECTE		PC = PREMIUM CLASS	15		
	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN		Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
	UBE INTERNAL CLEAN		SWO = SEAL WASHOUT		RB = RE		feet in tube area)			E NEED TO BE RECHA		C3 = CLASSA III	N/A		
	JBE EXTERNAL CLEA		RF = RE FACING		ID.D.I.P=ID DEEP II		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=			E NEED TO BE STRAIG		C4 = CLASSA IV	N/A		
IPC = INTER	IPC = INTERNAL PLACTIC COATING. CR = CRACK NP=NOSE PITTED Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX DRILL PIPE JUNK N/A  CSA = CROSS SECTION AREA BS =BOX SWELL B.B=BOX PENT TO MPI 48" FROM BOX AND 36" FROM PIN DRILL PIPE USEABLE 15														
CSA = CR	ROSS SECTION AREA		BS =BOX SWELL		B.B=BOD	Y BENT				LL PIPE USEABLE	15				
	CSA = CROSS SECTION AREA BS =BOX SWELL B.B=BODY BENT TO MIPI 48" FROM BOX AND 36" FROM PIN DRILL PIPE USEABLE 15  CTION EQUIPMENT DETAILS TECHNICAL DETAILS PERSON DETAILS REVIEW BY														
	SERIAL NUMBER		ATE: EQUIPMENT		SERIAL NUMBER			MA	ANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:	
AC YOKE	201504053	14-Aug-2			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAO SCHAIL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-2			2722003	14-Aug-24			•			MODEL SELLEN			
DC COIL	SC22713	14-Aug-2			1017374	14-Aug-24		MA	ANUFACTURE	BATCH NO	EXPIRE DATE	CMALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-2			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025	AS T TO MAKE I		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-2	4 PIT GAUGE		97594	14-Aug-24					-	AS IT TOUGH		This is a second of the second	
UV LIG	GHT INTENSITY:		290	0 μw/cm²				MA	ANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STARRY	to the second	CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Or Deincering Selfer			
							Original - Client Files Copy	Area Offic	ce QC/FN/	/DP/070 Rev.00					



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	15-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	8 to 25
INSPECTION METHOD									

	EMI1   ✓ Heat Checking   ✓													OD Gaug	Ð	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD O	SLIP UPS	ET AREA			٧			
		lí.																ı		VISI	IAI .	BLACK	INGHI.					ir			r	)r				
	0			PIN DIMEN	SION (II	NCHES	)	1			BOX DIME	NSION (	INCHES)	1		MPI OF		UT SLI	/UPSET	CONNE	CTION	CONNE	CTION	INTER		AL TUBE	ITIOIN		.:				EINAI	CLASS		
0	u ž			PIN	DIN		DIN	DIN		nov	DOV		BOY	BOX C.BORE	BOX					INSPE	CTION	INSPE	TION					\GE	AGE THE		_		IIIAL	OLAGO		
S.NO	PIPE	PIN OD.	PIN I.D	.CONNEC TION	PIN . NECK	BEVEL DIA.	PIN . NOSE	. PIN TONG	Box OD	BOX SHOUL	BOX CONNEC	BEVEL DIA.	BOX C.BORE	WALL	TONG	PIN UPSET	BOX UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL		INTERNAL PLASTIC		P/T EXTERNAL	BODY	/9 go	AVERAGE PIPE WALL THIC	H.B	EM					REMARKS
	S			LTH	LTH		DIA	SPACE.		WIDTH	TION LTH		DIA.	THICKN ES	SPACE.	AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	CLEANIN G	CLEANING	ON.	0	₹ ≩			PC	C2	C3	C4	
106	208524	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.379"	NA	OK	√			-	Acceptable
107	208396	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ок	OK	OK	ОК	OK	OK	2	OK	ок	ОК	ок	0.376"	NA	ОК	√			-	Acceptable
108	208521	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ок	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ок	0.383"	NA	ок	<b>V</b>			-	Acceptable
109	207989	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.384"	NA	ОК	<b>V</b>			-	Acceptable
110	207918	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ок	0.377"	NA	ок	<b>V</b>			-	Acceptable
111	207896	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ок	0.379"	NA	ок	<b>V</b>			-	Acceptable
112	208299	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.378"	NA	ОК	<b>V</b>			-	Acceptable
113	207770	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.381"	NA	ОК	<b>V</b>			-	Acceptable
114	208205	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.382"	NA	ОК	<b>V</b>			-	Acceptable
115	208408	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.381"	NA	ОК	<b>V</b>			-	Acceptable
116	208395	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.384"	NA	ОК	<b>V</b>			-	Acceptable
117	208038	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ок	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.383"	NA	ОК	<b>V</b>			-	Acceptable
118	207860	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ок	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.379"	NA	ОК	<b>V</b>			-	Acceptable
119	207881	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.383"	NA	ОК	<b>V</b>			-	Acceptable
120	208317	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	ок	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ок	0.382"	NA	ОК	<b>V</b>			-	Acceptable
			•			•	•	•				Dogul	4.1E Ta	ines I	Mara I	7a d	A	table 1	7 D	- 0- D	C: A	aa Dwa		Class	(D/C) (	Donder	To He	-1		·		•	•			

					Resul	t:15 Joints \	Were Found Acceptable From P	in & Bo	ox Sides Pre	emium Class (	(P/C) (Ready :	l'o Use).			
ABBREVATIONS U	ISED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	NSPECTION	CLASSIFICATION OF DRILL F	PIPE	ONLINE TRACEBILITY	
PIN COND = P	IN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P =	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3=>20% AND ≤35% 4	4= >35%	TOTAL D	RILL PIPE INSPECTE	D 15	PC = PREMIUM CLASS	15		
S.P = 1	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN	OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
P/T.I.C = PIPE/TU	JBE INTERNAL CLEAN	NING	SWO = SEAL WASHOUT		RB = RE		feet in tube area)			NEED TO BE RECHA		C3 = CLASSA III	N/A	<b>公司等基金</b>	
P/T.I.C = PIPE/TU	IBE EXTERNAL CLEAR	NING	RF = RE FACING		ID.D.I.P=ID DEEP II	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	:≥50%	DRILL PIPE	NEED TO BE STRAIG	GHT N/A	C4 = CLASSA IV	N/A		
IPC = INTER	IPC = INTERNAL PLACTIC COATING. CR = CRACK N.P=NOSE PITTED Magnetic Particle inspection By AC Yoke UPSET OR SUP 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														
CSA = CR	SON - SHOULD CENTRAL SOLUTION AND A HOMEN'S HO														
INSPECTION EQUIP	CTION EQUIPMENT DETAILS  TECHNICAL DETAILS  PERSON DETAILS  REVIEW BY														
EQUIPMENT	EQUIPMENT SERIAL NUMBER CALDUE DATE: EQUIPMENT SERIAL NUMBER CALDUE DATE: EQUIPMENT SERIAL NUMBER CALDUE DATE: SENIOR														
AC YOKE	201504053	14-Aug-24			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAO SCHALL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-24			2722003	14-Aug-24						ATOM SE			
DC COIL	SC22713	14-Aug-24			1017374	14-Aug-24		MAN	NUFACTURE	BATCH NO	EXPIRE DATE	COTALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025	TOT TO MADE IT		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE		97594	14-Aug-24					-	AS IT TOUGHT		*	
UV LIG	GHT INTENSITY:		290	0 μw/cm²				MAN	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR' & STARY		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF	ı	Magnaflux	220306	MARCH,2025	Traincering Set 3			
							Original - Client Files Copy - A	Area Offic	e QC/FN/	DP/070 Rev.00					



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	15-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	9 to 25
INSPECTION METHOD									

	EMI1 √ Heat Checking										٧		(	OD Gauge	Ð	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD O	F SLIP UPS	SET AREA			٧			
	)r			PIN DIMEN	ICION (I	NOUTO			10		DOY DIME	NSION (	NOUEC)							VIS	UAL	BLACK	LINGHI.					1	N .	)[	1	1				
	0			PIN DIMEN	ISION (I	NCHES	) 				BOX DIME	NSION (	NCHES)			MPI OF		UT SLIF	P/UPSET		ECTION		CTION	INTER		IL TUBE RNAL COND	DITIOIN						FINAL	CLASS		
0	Ä Ž.			PIN	PIN.		PIN .	PIN		BOX	BOX		BOX	BOX C.BORE	BOX										P/T			AGE	THI THI		=					
S.NO	PIPE ERIAL .	PIN OD.	PIN I.D	.CONNEC TION	NECK LTH	BEVEL DIA.	NOSE	TONG SPACE.	Box OD	SHOUL	CONNEC TION LTH	BEVEL DIA.	C.BORE DIA.	WALL	TONG SPACE.	PIN UPSET	BOX UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL	TOOL	INTERNAL PLASTIC		P/T EXTERNAL CLEANING	BODY CONDITI	9 00	AVERAGE PIPE WALL THIC	H.B	Ē					REMARKS
	S			LTH										ES		AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.		` >			PC	C2	C3	C4	
121	208216	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.383"	NA	ок	<b>V</b>			-	Acceptable
122	D02	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ок	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.380"	NA	ОК	V			-	Acceptable
123	207702	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.382"	NA	ОК	√			-	Acceptable
124	207714	6 19/32"	3.50"													ОК	ОК	ОК	0.383"	NA	ОК	√			-	Acceptable										
125	208240	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.378"	NA	ОК	<b>√</b>			-	Acceptable
126	208294	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ок	ОК	ок	ОК	ОК	2	ОК	ОК	ОК	ОК	0.384"	NA	ОК	<b>√</b>			-	Acceptable
127	207972	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.378"	NA	ОК	<b>√</b>			-	Acceptable
128	207808	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	ОК	ок	ок	ок	ок	ОК	2	ок	ОК	ок	ОК	0.383"	NA	ОК	<b>√</b>			-	Acceptable
129	D23	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ок	ОК	ок	ок	ОК	2	ОК	ОК	ОК	ОК	0.384"	NA	ок	<b>√</b>			-	Acceptable
130	207977	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.386"	NA	ОК	<b>√</b>			-	Acceptable
131	4444	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.385"	NA	ОК	<b>√</b>			-	Acceptable
132	333	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>√</b>		-	-	Acceptable
133	3333	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ок	ок	ок	ОК	2	ОК	ок	ОК	ОК	0.383"	NA	ок	<b>V</b>			-	Acceptable
134	207954	4 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 8 5/8" 619/32" 18/32" 6.165" 61/8" 5 5/16" 1.875" 14 5/8" OK											ОК	ок	ОК	ОК	0.384"	NA	ок	<b>V</b>			-	Acceptable												
135	207970												ОК	ОК	ОК	ОК	0.381"	<b>V</b>	ОК	<b>V</b>		-	-	Acceptable												
												Resul	t:15 Jo	ints \	Were I	ound .	Accep	table l	From P	in & E	ox Sid	es Pre	mium	Class	(P/C) (	Ready	To Us	e).								
ABE	Result:15 Joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Read														CLASSIFIC	ATION OF D	RILL PIPE					ONLINE TRACEBILITY														

					Resul	t:15 Joints V	Were Found Acceptable From P	in & B	ox Sides Pr	emium Class (	P/C) (Ready T	lo Use).			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	ISPECTION	CLASSIFICATION OF DR	ILL PIPE	ONLINE TRACEBILITY	
PIN COND = P	IN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P = I	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3=>20% AND ≤35% 4	1= >35%	TOTAL D	RILL PIPE INSPECTE	D 15	PC = PREMIUM CLASS	15	里 <b>沙沙沙里</b> 。里	
S.P = 5	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN	OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
P/T.I.C = PIPE/TU	JBE INTERNAL CLEA	NING	SWO = SEAL WASHOUT		RB = RE	BEVEL	feet in tube area)			E NEED TO BE RECHA		C3 = CLASSA III	N/A		
PT.LC = PIPETIUSE EXTERNAL CLEANING RF = REFACING D.D.D.P=ID DEEP THERNAL. PITTING 1: NO loss; minor abrasion, 2: 2: 25%, 3: 2: 55%, 4: 2: 50% DRILL PIPE NEED TO BE STRAIGHT N/A C4 = CLASSA IV N/A PLANTING N/A C4 = CLASSA IV N/A C4 = CLASSA															
IPC = INTER	III TANKETAS														
CSA = CR	SON - SHOOS CESTION NEEDS TO SON OF THE SOURCE S														
INSPECTION EQUIP	CTION EQUIPMENT DETAILS PERSON DETAILS REVIEW BY														
EQUIPMENT	SERIAL NUMBER		ATE: EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:		MAI	NUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:	
AC YOKE	201504053	14-Aug-2			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAO SCHAIL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-2			2722003	14-Aug-24					,	MOOT SELL			
DC COIL	SC22713	14-Aug-2			1017374	14-Aug-24		MAI	NUFACTURE	BATCH NO	EXPIRE DATE	CHALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-2			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025	T TO WAR IT		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-2	4 PIT GAUGE		97594	14-Aug-24			•		-	AL.I ZOLO	9		
UV LIG	GHT INTENSITY:		290	0 μw/cm²				MAI	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR'L & STAN	\$ · · ·	CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/1	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF	I	Magnaflux	220306	MARCH,2025	Deincering Sec.			
							Original - Client Files Copy - A	Area Offic	ce QC/FN	/DP/070 Rev.00		and the party of t			



















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

CUSTOMER:	ZHONGMAN PETROLEUM ENGI	NEERING TECHNOLOGY(HO	NG KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	15-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	B 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	10 to 25
INSPECTION METHOD	)			•					
Vis	sual Tube V Visual Connect		MPI Connection V	MPI Slip & Upset	√ Dry MPI	-	Dimensional 2   UFD OF SLIP UPS	UT Wall Thickness V	!

EMI1 V Heat Checking							1		٧			OD Gaug	Ð	٧		TH.Prof	ile Gauge	٧		D	PT	-	1			UFD O	F SLIP UPS	SET AREA			٧	1				
				PIN DIMEN	ISION (II	NCHES					BOX DIME	NSION (I	NCHES)			MPI OF		UT SLII	P /UPSET		ECTION		ECTION	wee		AL TUBE	TION									
9	L NO			PIN	PIN.		PIN .	PIN		BOX	BOX		BOX	BOX C.BORE	вох	/UPSET					CTION	INSPE			P/T	RNAL COND		GAGE	AGE PE THIC.		=		FINAL	CLASS		
S.N.	PIPE SERIAL	PIN OD.	PIN I.D	.CONNEC TION LTH	NECK LTH	BEVEL DIA.	NOSE	TONG SPACE.	Box OD	SHOUL	CONNEC TION LTH	BEVEL DIA.	C.BORE DIA.	WALL THICKN ES	TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	TOOL JOINT.	PIN TOOL JOINT.	TOOL JOINT.	PIN TOOL JOINT.	TOOL	INTERNAL PLASTIC COATING.	INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	9 00	AVERAGE PIPE WALL THIC	н.в	ä	PC	C2	C3	C4	REMARKS
136	7777	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	Acceptable
137	208680	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ок	ок	ок	ок	ОК	ОК	2	ок	ОК	ОК	ОК	0.380"	NA	ОК	<b>V</b>			-	Acceptable
138	207897	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	OK	ОК	ОК	ОК	ОК	OK	2	ОК	ОК	ОК	OK	0.382"	NA	OK	√			-	Acceptable
139	208321	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	OK	ОК	ОК	ОК	ОК	OK	2	ОК	ОК	ОК	OK	0.383"	NA	OK	√			-	Acceptable
140	44444	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	OK	OK	OK	OK	2	ОК	OK	OK	OK	0.378"	NA	OK	√			-	Acceptable
141	207933	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.384"	NA	OK	√			<u> </u>	Acceptable
142	22	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.378"	√	OK	√			-	Acceptable
143	208398	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	ОК	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.383"	NA	OK	√			-	Acceptable
144	207973	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	ОК	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.384"	NA	OK	√			-	Acceptable
145	208142	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	OK	OK	OK	OK	2	ОК	OK	OK	OK	0.386"	NA	OK	√			-	Acceptable
146	208461	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.385"	NA	OK	√			-	Acceptable
147	D11	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	ОК	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.383"	NA	OK	√			-	Acceptable
148	8 207945 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 9"					9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	OK	OK	OK	OK	2	ОК	OK	OK	OK	0.383"	NA	OK	√			-	Acceptable		
149	9 207810 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 87/8" 61						6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	OK	OK	OK	OK	2	ОК	OK	OK	OK	0.384"	NA	OK	√			-	Acceptable		
150	150         99999         6 19/32"         3.50"         6.125"         1.62"         6 1/8"         4.312"         8 15/16"         6 19/32							6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	ОК	OK	OK	2	ОК	OK	ОК	OK	0.381"	NA	OK	√			-	Acceptable	
												Resul	t:15 Jo	oints \	Vere I					in & I	Box Sid					Ready	To Use							nr.		
	ABBREVATIONS USED  DIN COND DIN CONDITION TD THREAD DAMAGE																	ENTATION				SUMMA	RY OF DE	RILL PIPE I	INSPECTION	ON			CLASSIFIC.	ATION OF D	RILL PIPE					ONLINE TRACEBILITY
F	PIN COND = PIN CONDITION TD = THREAD DAMAGE  I P = LIGHT PITTING SD = SEAL DAMAGE								PS = PIT							ating Loss in T		ļ .	TOTAL DE	RII I PIPF	INSPECTE	FD	15	-	PC = PF	REMIUM CLA	SS	ı	15		-		可能を2012年回			

					Resul	t:15 Joints V	Were Found Acceptable From P	in & B	ox Sides Pr	emium Class (	P/C) (Ready 1	l'o Use).			
ABBREVATIONS U	ISED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	ISPECTION	CLASSIFICATION OF DRI	LL PIPE	ONLINE TRACEBILITY	
PIN COND = PI	IN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	4= >35%		RILL PIPE INSPECTE		PC = PREMIUM CLASS	15	□ (663 <b>%是</b> ;□	
	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN		Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
	JBE INTERNAL CLEAP		SWO = SEAL WASHOUT		RB = RE		feet in tube area)			E NEED TO BE RECHA		C3 = CLASSA III	N/A		
PT.LC = PIPETAUB EXTERNAL CLEANING RF = REFACING D.D.1.9=ID DEEP INTERNAL PITTING 1= No loss; minor abrasion, ≥= 25%, s=>25%, s=>25% a. 57%, s=>25% b. DRILL PIPE NEED TO BE STRAGHT N/A C4 = CLASSA // N/															
IPC = INTERI															
CSA = CRO	SON														
	CTION EQUIPMENT DETAILS  TECHNICAL DETAILS  TECHNICAL DETAILS  PERSON DETAILS  REVIEW BY														
	SERIAL NUMBER		ATE: EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:		MA	NUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	and the second	SENIOR INSPECTOR:	
AC YOKE	201504053	14-Aug-2			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAO SCHAIL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-2			2722003	14-Aug-24					,	WE THE THE			
DC COIL	SC22713	14-Aug-2			1017374	14-Aug-24		MA	NUFACTURE	BATCH NO	EXPIRE DATE	CATALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-2			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY.2025	GOT TO MAKE IT		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-2			97594	14-Aug-24			•			AS.T Zald		**	
UV LIG	SHT INTENSITY:		290	) μw/cm²				MA	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR'S & STAME	e e e e e e e e e e e e e e e e e e e	CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Opening Series			
							Original - Client Files Copy - A	Area Offic	ce QC/FN	/DP/070 Rev.00					





















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	22-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	11 to 25
INSPECTION METHOD									

		E	MI1	٧			Heat	Checking	I		٧			OD Gaug	е	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD OI	SLIP UPS	ET AREA			٧			
				PIN DIMEN	ISION (II	NCHES	)	1			BOX DIME	NSION (	INCHES)			MPI OF		UT SLII	P /UPSET	CONN	UAL ECTION	CONNE	ECTION	INTEG		AL TUBE	NITIOIN									
S.NO	PIPE ERIAL .NO	PIN OD.	PIN I.D	PIN .CONNEC TION	PIN . NECK LTH	BEVEL DIA.	PIN NOSE	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN	BOX TONG SPACE.	PIN UPSET	BOX UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	INTERNAL	P/T	D/T	BODY	OD GAGE	AVERAGE PIPE WALL THIC	н.в	EMI			CLASS		REMARKS
	Ø			LTH	2		0.01	GI /IOL		***************************************	HOITEIN		5,70	ES	OI FIOL.	AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.		۷ ۶			PC	C2	C3	C4	
151	207806	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	OK	ОК	ОК	OK	0.379"	NA	ОК	<b>V</b>			-	Acceptable
152	207952	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.377"	NA	ОК	<b>V</b>			-	Acceptable
153	208754	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.380"	NA	ОК	<b>V</b>			-	Acceptable
154	208413	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.378"	<b>√</b>	ОК	<b>V</b>			-	Acceptable
155	208128	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.381"	NA	ОК	<b>V</b>			-	Acceptable
156	207940	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.382"	NA	ОК	<b>V</b>			-	Acceptable
157	208457	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.377"	NA	ОК	<b>V</b>			-	Acceptable
158	207873	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.373"	NA	ОК	<b>V</b>			-	Acceptable
159	D15	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 15/16"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.382"	NA	ОК	<b>V</b>			-	Acceptable
160	D14	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.386"	<b>√</b>	ОК	<b>V</b>			-	Acceptable
161	208309	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.383"	NA	ОК	<b>V</b>			-	Acceptable
162	208490	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.381"	NA	ОК	<b>√</b>			-	Acceptable
163	207994	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ок	ОК	ОК	ок	ок	ОК	2	ОК	ОК	ОК	OK	0.380"	NA	ок	<b>V</b>	ļ ¯		-	Acceptable
164	207915	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/4"	ОК	ок	ок	ОК	ОК	ок	ок	ОК	2	ОК	ОК	ОК	OK	0.382"	√	ок	<b>V</b>	ļ ¯		-	Acceptable
165	208404	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	ок	ОК	ОК	2	ОК	ОК	ок	OK	0.380"	NA	ОК	<b>√</b>			-	Acceptable
												Resul	t:15 To	oints \	Were I	Found	Accep	table l	From P	in & F	ox Sid	es Pre	mium	Class	(P/C) (	Ready	To Use	2).								

					Resul	t:15 Joints \	Were Found Acceptable From P	in & B	ox Sides Pr	emium Class (	(P/C) (Ready T	Γο Use).			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	NSPECTION	CLASSIFICATION OF DR	ILL PIPE	ONLINE TRACEBILITY	
PIN COND = P	PIN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P = I	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	4= >35%		RILL PIPE INSPECTE		PC = PREMIUM CLASS	15		
	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN		Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
	UBE INTERNAL CLEAN		SWO = SEAL WASHOUT		RB = RE		feet in tube area)			NEED TO BE RECHA		C3 = CLASSA III	N/A		
	LP = LIGHT PITTING SD = SEAL DANAGE MIS = MASHED SEAL In No. spin or abstrain, 2 = 20%, 3 = 20% MAS = 35% SP = SEVERE PITTING SP = SEVERE PITTING PT = PITTED THREAD W.O.T = WORN OUT THREAD W.O.T = WORN OUT THREAD DRILL PIPE NEED TO BE RECUT N/A C2 = CLASS II N/A PT.I.G = PIPETTUBE EXTERNAL CLEANING RF = REFACING D.D.I.P = DEEP TITTED DEEP NETTERNAL PITTING I NO loss; minor abstrain, 2 = 20%, 3 = 20% MASHED DRILL PIPE NEED TO BE RECUT N/A C3 = CLASS AII N/A PT.I.G = PIPETTUBE EXTERNAL CLEANING RF = REFACING D.D.I.P = DEEP TITTED N/A PT.I.G = PIPETTUBE EXTERNAL CLEANING RF = REFACING D.D.I.P = DEEP TITTED Magnetic Particle inspection 9 AC Yellow USET OR SIJE PARE PIN, BOX DRILL PIPE NEED TO BE RECUT N/A C3 = CLASS AII N/A DRILL PIPE NEED TO BE STRAIGHT N/A C4 = CLASS AII N/A DRILL PIPE NEED TO BE STRAIGHT N/A C4 = CLASS AII N/A DRILL PIPE NEED TO BE STRAIGHT N/A C5 = CLASS AII N/A DRILL PIPE NEED TO BE STRAIGHT N/A														
IPC = INTER	IPC = INTERNAL PLACTIC COATING. CR = CRACK N.P=NOSE PITTED Magnetic Particle inspection by AC Yoke UPSET OR SLP 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														
CSA = CR	SUPERATOR SUPERA														
	CECTION EQUIPMENT DETAILS  TECHNICAL DETAILS  PERSON DETAILS  PERSON DETAILS  REVIEW BY														
	SERIAL NUMBER		ATE: EQUIPMENT		SERIAL NUMBER			MA	NUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:	
AC YOKE	201504053	14-Aug-2			14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN.2025	RAOSCHALOW		M.FHAID	
UT THICK. METER	520750	14-Aug-2			2722003	14-Aug-24			•			MOOT SELL			
DC COIL	SC22713	14-Aug-2			1017374	14-Aug-24		MA	NUFACTURE	BATCH NO	EXPIRE DATE	COJALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-2			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025	AS T TOP INGLE IT		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-2	24 PIT GAUGE		97594	14-Aug-24						Lato Valo	9	This is a second of the second	
UV LIG	GHT INTENSITY:		315	0 μw/cm²				MA	NUFACTURE	BATCH NO	EXPIRE DATE	SIGNATUR' & STAME		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Theincering Self			
							Original - Client Files Copy - A	Area Offic	ce QC/FN/	DP/070 Rev.00					





















Visual Connection V

## Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

Dimensional 2 

✓ UT Wall Thickness ✓

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

CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	22-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	12 to 25
INSPECTION METHOD									

Dry MPI -

MPI Slip & Upset 

√

	EMI1 V Heat Checking													OD Gauge	1	٧		TH.Prof	ile Gauge	٧	] [	DI	PT	-				UFD O	F SLIP UPS	ET AREA			٧			
	(	1		PIN DIMEN	CION / IN	ICHES	١		1		DOV DIME	ENSION (	INCHES			MPI OF	OLID			VIS	UAL	BLACK	LINGHT.		74011	AL TUBE		1				1			11	
	0			FIN DIMEN	SION (III	VCHES	1				BOX DINE	NOION	INCHES			/UPSET		UT SLIF	/UPSET		ECTION	CONNE		INTER		ERNAL COND	ITIOIN		ш с				FINAL	CLASS		
S.NO	PIPE SERIAL .N	PIN OD.	PIN I.D	PIN CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNA CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAGE	AVERAGI PIPE WALL THI	н.в	EMI	PC	C2	C3	C4	REMARKS
166	208126	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.381"	NA	ОК	<b>√</b>		-	1	Acceptable
167	208401	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ОК	ОК	0.380"	NA	ОК	√			-	Acceptable
168	208001	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	ОК	0.378"	NA	ОК	<b>√</b>		-	1	Acceptable
169	207946	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	OK	OK	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.374"	NA	ОК	√			-	Acceptable
170	208047	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	OK	OK	OK	OK	ОК	2	ОК	ОК	ОК	OK	0.384"	NA	ОК	√		-	-	Acceptable
171	208075	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	OK	OK	OK	OK	OK	2	ОК	ОК	ОК	OK	0.383"	NA	OK	√			-	Acceptable
172	D22	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	OK	OK	OK	OK	OK	2	ОК	ОК	ОК	OK	0.379"	NA	OK	√			-	Acceptable
173	207955	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	OK	OK	ОК	OK	OK	OK	2	OK	ОК	ОК	OK	0.375"	NA	OK	<b>V</b>			Acceptable	
174	207084	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	OK	OK	OK	OK	OK	2	ОК	ОК	ОК	OK	0.381"	NA	OK	√			-	Acceptable
175	208301	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	ОК	OK	OK	ОК	2	OK	OK	ОК	OK	0.384"	NA	ОК	√			-	Acceptable
176	207761	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	ОК	OK	OK	ОК	2	OK	OK	ОК	OK	0.382"	NA	OK	√			-	Acceptable
177	207859	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.380"	√	OK	√		-	-	Acceptable
178	208330	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.379"	NA	OK	√		-	-	Acceptable
179	207712	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	OK	OK	0.381"	NA	OK	√			-	Acceptable
180	208460	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"		14 3/4"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	ОК	OK	0.378"	NA	OK	√	<u> </u>		-	Acceptable
												Resul	t:15 J	oints V	Vere I	ound A	Accep	table I	From P	in & B	ox Side					(Ready	To Us									
	PIN COND = F		FICAL			TD -	TUDEAE	DAMAGE		1		DC - DIT	TED SEAL		INVERN		REPRESE		S			SUMMA	RY OF DF	RILL PIPE I	INSPECTI	ON			CLASSIFIC	ATION OF D	ORILL PIPE					ONLINE TRACEBILITY
												MS = MAS							ting Loss in To % AND ≤35% 4		1	TOTAL DE	RILL PIPE	INSPECTE	ED	15		PC = PI	REMIUM CLA	SS		15				
	S.P = SEVERE PITTING PT = PITTED THREAD W.O.T = WORN OUT												EAD			_		linear section					O BE REC		N/A			= CLASS II			N/A				<b>整理器</b>	
	P/T.I.C = PIPE/TUBE INTERNAL CLEANING SWO = SEAL WASHOUT RB = RE BEVEL																ube area)						BE RECH		N/A			CLASSA III			N/A				<b>经正常补偿的</b>	
-	P/T.I.C = PIPE/TUBE EXTERNAL CLEANING RF = RE FACING ID.D.I.P=ID DEEP INTERNAL  IPC = INTERNAL PLACTIC COATING. CR = CRACK N.P=NOSE PITTED											PITTING			_	_	% & <50%, 4=		DR			BE STRAI	IGHT	N/A		C4 =	CLASSA IV		1	N/A						
				ING.						-	-				Magneti				OR SLIP AREA	PIN, BOX	l		ILL PIPE			N/A	11				1					
INCD	CSA = CROSS SECTION AREA BS =BOX SWELL B.8=BODY SENT TO MIPLAS* FROM BOX AND 36* FROM PIN DRILL PIPE USEABLE 15  REVIEW BY  TECHNICAL DETAILS  PERSON DETAILS  REVIEW BY																																			
INSPECTION EQUIPMENT DETAILS  EQUIPMENT SERIAL NUMBER CALDUE DATE:   EQUIPMENT   SERIAL NUMBER   CALDUE DATE:																ANUFACTU		BAT	CH NO	EXPI	RE DATE			ISPECTOR		_					R INSPECTOR:					
											,								1417			5,41					- 11	-		_				020		



14-Aug-24

14-Aug-24

14-Aug-24

15-Aug-24

AC YOKE

DC COIL

BLACK LIGHT

EMILINIT

UT THICK. METER

201504053

520750

SC22713

1900084

TSF7W05152260

Visual Tube √



LUX METER

INTENSITY METER

PIT GALIGE



2722003

1017374

1608000134

97594





14-Aug-24

14-Aug-24

14-Aug-24

14-Aug-24

14-Aug-24

MPI Connection √





White Contrast WCP-2

Black Magnetic Ink 7HF

Fluorescent Magnetic Ink 14HF
Original - Client Files





Magnaflux

MANUFACTURE

Magnaflux

MANUFACTURE

220602

220605

BATCH NO

JUN.2025

EXPIRE DATE

JULY,2025

EXPIRE DATE

RAO SOLIAL

M.FHAID

NSPECTION SUPERVISOR:

WAQAS AWAN

CLIENT:



### **Al Takamul CompanyFor Engineering Testing And Professional Safety Limited**

M FHAID

CLIENT:

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

CUSTOMER:	ZHONGMAN PETROLEUM ENGI	NEERING TECHNOLOGY(HON	NG KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	22-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	B 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	13 to 25
INSPECTION METHOD				•					
	al Tube   ✓ Visual Connection  Mat. / Heat Checking		MPI Connection   OD Gauge	MPI Slip & Upset	√ Dry MPI	-	Dimensional 2 √	UT Wall Thickness V	

		Е	MI1	٧	_		Hea	t Checking	9		٧	1		OD Gaug	16	٧	ļ	TH.Pro	file Gauge	٧	_	D	PT	-				UFD O	F SLIP UPS	SET AREA			٧	1		
			ı	PIN DIMEN	ISION (I	NCHES	)			T	BOX DIME	NSION (	INCHES)	1		MPI OF		UT SLI	P /UPSET		ECTION		ECTION	INTER		AL TUBE	ITIOIN						FINAL	CI ACC		
S.NO	PIPE SERIAL .NG	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVE DIA.		TONG	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	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	INTERNAL	P /T INTERNAL CLEANIN G	P/T	BODY CONDITI	OD GAGE	AVERAGE PIPE WALL THIC	н.в	EMI	PC	C2	C3	C4	REMARKS
181	D03	6 19/32"	3.50"	6.125"	1.75"	6 1/8	4.312	9	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ок	ОК	ОК	OK	0.383"	NA	ОК	<b>V</b>		-		Acceptable
182	208236	6 19/32"	3.50"	6.125"	1.75"	6 1/8	4.312	9	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.380"	NA	ОК	V			-	Acceptable
183	208293	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.382"	NA	ОК	V			-	Acceptable
184	207212	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.383"	NA	ОК	, V			-	Acceptable
185	208050	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.378"	NA	ок	, ,	T		-	Acceptable
186	333333	6 19/32"	3.50"	6.125"	1.62"	6 1/8	" 4.312	" 8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.384"	NA	ок	, ,	T		-	Acceptable
187	207711	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.378"	NA	ок	, ,	T		-	Acceptable
188	208140	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ок	OK	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	, V			-	Acceptable
189	208332	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.384"	NA	ОК	1	T.,		-	Acceptable
190	207864	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	OK	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.386"	NA	ОК	1			-	Acceptable
191	208253	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ок	OK	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.385"	NA	ОК	1			-	Acceptable
192	207904	6 20/32"	3.50"	6.125"	1.75"	6 1/8	4.312	8 7/8"	6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	OK	ОК	ОК	OK	0.383"	NA	ОК	V			-	Acceptable
193	207861	6 20/32"	3.50"	6.125"	1.75"	6 1/8	4.312	9	6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	11"	ОК	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	OK	ОК	ОК	OK	0.383"	<b>V</b>	ОК	V			-	Acceptable
194	207965	6 19/32"	3.50"	6.125"	1.75"	6 1/8	" 4.312	9	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.384"	NA	ОК	<b>V</b>			-	Acceptable
195	208418	6 19/32"	3.50"	6.125"	1.75"	6 1/8	4.312	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ОК	ОК	ОК	ок	ОК	2	ОК	ОК	ОК	ОК	0.381"	NA	ОК	<b>V</b>			-	Acceptable
		***							**			Resul	t:15 Jo	oints \	Were l	ound .	Accep	table	From F	in & B	Box Sid	es Pre	mium	Class (	(P/C) (	Ready	To Use	≘).								
	EVATIONS (																	ENTATION				SUMMA	RY OF DE	RILL PIPE IN	NSPECTIO	N			CLASSIFIC.	ATION OF D	ORILL PIPE	Ē.				ONLINE TRACEBILITY
F	IN COND = F				ļ			AD DAMAGE					TED SEAL			AL PLASTIC C					ļ .	TOTAL S	DILL DIES	INCOPPORT		- 4-		DO		100	,			-		mes-sector
-		SEVERE F						DAMAGE D THREAD		1		MS = MAS ).T = WORN		EAD		loss; minor ab								O BE RECU		15 N/A	-		= CLASS II	155	+	15 N/A		-		是學學學是
F	T.I.C = PIPE/T			NING	-			WASHOUT			W.C	RB = RE		LAU	Localized	Coating Loss 3		ii surrace any tube area)	mear section	or length 3				BE RECHA		N/A	1		CLASSA III		<del>                                     </del>	N/A		1		
	T.I.C = PIPE/TU							E FACING		1	ID.D.I.P	=ID DEEP I		PITTING	1= N	o loss; minor a	brasion, 2=	>25%, 3= >2	5% & <50%, 4	≥50%				BE STRAIG		N/A	1		CLASSA IV		1	N/A		1		2947 TO \$7
	DO INTER	DALAL DI AC	TIO 00 4T		i		00	00101		1	1	N.D. NOO	E DITTED		1						1		ULL DIDE	11.15.11.6		NI/A					1			1		2000 夏安安尔克器

IFC - INTER	NAL FLACTIC COATIN	iG.		CIC - CICACIC		14.7 -14001	LITTLD
CSA = CR	OSS SECTION AREA			BS =BOX SWELL		B.B=BOD	Y BENT
INSPECTION EQUIP	MENT DETAILS						
EQUIPMENT	SERIAL NUMBER	CAL.DU	E DATE:	EQUIPMENT		SERIAL NUMBER	CAL.DUE DATE:
AC YOKE	201504053	14-Aı	ıg-24	GAUSS METER		14001175	14-Aug-24
UT THICK. METER	520750	14-A	ıg-24	LUX METER		2722003	14-Aug-24
DC COIL	SC22713	14-Aı	ıg-24	ULTRASONIC FLAW DETECTOR		1017374	14-Aug-24
BLACK LIGHT	1900084	14-Aı	ıg-24	INTENSITY METER		1608000134	14-Aug-24
EMI UNIT	TSEZW05152269	15-Aı	ıg-24	PIT GAUGE		97594	14-Aug-24
UV LIG	HT INTENSITY:			3150	) μw/cm²		·
14HF Concentarion:	0.1 to 0.4 ml/10	0 ml		7HF Concentarion:		1.2 to 2.4	ml/100 ml



EXPIRE DATE

MARCH,2025

BATCH NO















Fluorescent Magnetic Ink 14HF





MANUFACTURE



CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	22-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	14 to 25
INSPECTION METHOD									

		EI	MI1	٧			Heat	Checking	1		٧			OD Gauge	Ð	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD O	SLIP UPS	ET AREA			٧			
																				VIS		BLACK														
	_			PIN DIMEN	ISION (II	ICHES		1			BOX DIME	NSION (	NCHES)			MPI OF		UT SLI	/UPSET	CONNE	ECTION	CONNE	CTION	INTER		AL TUBE RNAL COND	ITIOIN						FINAL	CLASS		
	S			PIN										BOX		70F3E1	ANLA			INSPE	CTION	INSPE	CTION	INTE		INIAL COND	I	GE.	AVERAGE PIPE WALL THIC				FINAL	CLASS		
S.NC	PIPE RIAL	PIN	PIN	.CONNEC	PIN . NECK	BEVEL	PIN . NOSE	. PIN TONG	Box	BOX SHOUL	BOX CONNEC	BEVEL	BOX C.BORE	C.BORE WALL	BOX TONG	PIN	BOX	PIN	вох	PIN	BOX	PIN		INTERNAL	P/T	P/T	BODY	GA	ERA PIPE	H.B	E		1			REMARKS
0,	SER	OD.	I.D	TION	LTH	DIA.	DIA	SPACE.	OD	WIDTH	TION LTH	DIA.	DIA.	THICKN	SPACE.	UPSET AREA	UPSET	TOOL	TOOL	TOOL	TOOL	TOOL	TOOL	PLASTIC	CLEANIN	CL FANING	CONDITI	ОО	WA B			PC	C2	C3	C4	1.2
	208378 6 18927 3.50° 6.122° 1.72° 6 18° 4.312° 8 78° 6 18922 6.167° 6 18° 6 19922 6.167° 6 18° 6 19922 6.167° 6 18° 6 19922 6.167° 6 18° 6 19922 6.168° 6 19922 6.168° 6 19922 6.168° 6 19922 6.168° 6 188° 6																																			
196	208378	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	OK	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	V			-	Acceptable
197	208238	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.380"	J	ОК	1			-	Acceptable
	10101	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	OK	ОК	ОК	2	ОК	ок	ОК	ОК	0.382"	NA.	ОК	./				Acceptable
198	200101																01/	01/	01/	01/	011	011	011		01/	011	01/				01/	V				
199	0 207863 51932" 3.50" 6.125" 1.75" 6 1/8" 4.312" 9" 619/32" 18/32" 6.167" 6 1/8" 55/16" 1.875" 15" OK																																			
200	207863 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 9" 6 19/32" 18/32" 6.167" 6 1/8" 5 5/16" 1.875" 15" OK																																			
201	2020	18124 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 9" 6 19/32" 18/32" 6.168" 6 1/8" 5 5/16" 1.875" 14.312  18763 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 9" 6 19/32" 18/32" 6.166" 6 1/8" 5 5/16" 1.875" 15"  18700 6 19/32" 3.50" 6.125" 1.62" 6 1/8" 4.312" 8 3/4" 6 19/32" 18/32" 6.166" 6 1/8" 5 5/16" 1.875" 14.312  18700 6 19/32" 3.50" 6.125" 1.62" 6 1/8" 4.312" 8 7/8" 6 19/32" 18/32" 6.166" 6 1/8" 5 5/16" 1.875" 14.312  18700 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 8 7/8" 6 19/32" 18/32" 6.168" 6 1/8" 5 5/16" 1.875" 15"  18700 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 8 7/8" 6 19/32" 18/32" 6.168" 6 1/8" 5 5/16" 1.875" 15"  18700 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 8 7/8" 6 19/32" 18/32" 6.168" 6 1/8" 5 5/16" 1.875" 14.1/2  18700 6 19/32" 3.50" 6.125" 1.75" 6 1/8" 4.312" 8 7/8" 6 19/32" 18/32" 6.168" 6 1/8" 5 5/16" 1.875" 15"														OK	ОК	ОК	ОК	ОК	OK	ОК	ок	2	ОК	ОК	ОК	OK	0.384"	NA	ОК	<b>V</b>			-	Acceptable
202	D28	1010														ОК	ОК	ок	ОК	ОК	ОК	ОК	ок	2	ОК	ОК	ок	OK	0.378"	√	ок	<b>√</b>			-	Acceptable
198   208124   61932* 3.50*   6.125* 1.75*   618*   4.312*   9*   61932* 1.875*   618*   618*   5.516*   1.875* 14.34*   OK															<b>V</b>				Acceptable																	
204	2020 6 19/32" 3.50" 6.125" 1.62" 6 1/8" 4.312" 8 3.4" 6 19/32" 18/32" 6 1/8" 5 5/16" 1.875" 14 3/4" OK																																			
205	208049	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.386"	NA	ОК	<b>V</b>			-	Acceptable
206	208250	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.385"	NA	ОК	<b>V</b>			-	Acceptable
207	207876	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.383"	NA	ОК	<b>V</b>			-	Acceptable
208	208234	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ок	ОК	ОК	ок	ОК	2	ок	ОК	ок	OK	0.383"	NA	ОК	<b>V</b>			-	Acceptable
209	208058	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.384"	NA	ОК	<b>V</b>			-	Acceptable
210	208347	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ок	ОК	ок	ОК	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.381"	NA	ОК	<b>V</b>			-	Acceptable
					•			1				Resul	t:15 To	ints V	Vere I	ound.	Accep	table l	From P	in & B	ox Side	es Pre	mium	Class	(P/C) (	Ready	To Use	e).								

					Resul	t:15 Joints \	Were Found Acceptable From P	in & Bo	ox Sides Pre	emium Class (	(P/C) (Ready :	l'o Use).			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	NSPECTION	CLASSIFICATION OF DRILL F	PIPE	ONLINE TRACEBILITY	
PIN COND = P	IN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ube Area							
L.P =	LIGHT PITTING		SD = SEAL DAMAGE		MS = MASI	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3=>20% AND ≤35% 4	4= >35%	TOTAL D	RILL PIPE INSPECTE	D 15	PC = PREMIUM CLASS	15		
S.P = 1	SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN	OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section	of length 3		PE NEED TO BE RECU		C2 = CLASS II	N/A		
P/T.I.C = PIPE/TU	JBE INTERNAL CLEAN	NING	SWO = SEAL WASHOUT		RB = RE		feet in tube area)			NEED TO BE RECHA		C3 = CLASSA III	N/A	<b>公司等基金</b>	
P/T.I.C = PIPE/TU	JBE EXTERNAL CLEAR	NING	RF = RE FACING		ID.D.I.P=ID DEEP II	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	:≥50%	DRILL PIPE	NEED TO BE STRAIG	GHT N/A	C4 = CLASSA IV	N/A		
IPC = INTER	RNAL PLACTIC COATIN	NG.	CR = CRACK		N.P=NOS	E PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA	PIN, BOX	D	RILL PIPE JUNK	N/A			<b>高等系列的</b>	
CSA = CR	CTION EQUIPMENT DETAILS  TECHNICAL DETAILS  PERSON DETAILS  REVIEWBY														
INSPECTION EQUIP	TION EQUIPMENT DETAILS  SERIAL NUMBER   CALDUE DATE:   EQUIPMENT   SERIAL NUMBER   CALDUE DATE:    MANUFACTURE   BATCH NO   EXPIRE DATE   INSPECTOR NAME:   SENIOR INSPECTOR:														
EQUIPMENT	UIPMENT SERIAL NUMBER CALDUE DATE: EQUIPMENT SERIAL NUMBER CALDUE DATE: SENIOR INSPECTOR. MANUFACTURE BATCH NO EXPIRE DATE INSPECTOR. MANUFACTURE BATCH NO														
AC YOKE	UIPMENT SERIAL NUMBER CALDUE DATE: CYCKE 201504053 14-Aug-24 GAUSS METER 14001175 14-Aug-24 White Contrast WCP-2 W														
UT THICK. METER	520750	14-Aug-24			2722003	14-Aug-24						ATOM SE			
DC COIL	SC22713	14-Aug-24			1017374	14-Aug-24		MAN	NUFACTURE	BATCH NO	EXPIRE DATE	COTALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24			1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY,2025	TOT TO MADE IT		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE		97594	14-Aug-24					-	AS IT TOUGHT		*	
UV LIG	GHT INTENSITY:		315	0 μw/cm²				MAN	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR' & STARY		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	00 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF	ı	Magnaflux	220306	MARCH,2025	Traincering Set 3			
							Original - Client Files Copy - A	Area Offic	e QC/FN/	DP/070 Rev.00					



















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

CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	23-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	15 to 25
INSPECTION METHOD									

ļ		Visua	al Tube	٧	1		Visual (	Connectio	n		٧	1	MP	I Connect	ion	٧	1	MPI Slic	& Upset	٧	1	Drv	MPI	_	1	Dir	nensional 2	:	٧	UT W	Vall Thickr	ness	٧	Т		i i
		E	MI1	٧			Heat	Checking			٧			OD Gauge	,	٧		TH.Prof	le Gauge	٧		DI	PT	-				UFD O	F SLIP UPS	SET AREA			٧	1		
												1									4				1									4		
				PIN DIMEN	ISION (II	NCHES					BOX DIME	NSION (	INCHES)			MPI OF		UT SLIF	/UPSET	CONN	UAL ECTION	CONNE	CTION			AL TUBE				1	Ĭ					
	9													BOX		/UPSET	AREA			INSPE	CTION	INSPE	TION	INTER	RNAL EXTE	RNAL CON	DITIOIN	Ж	용 :				FINAL	CLASS		
S.NO	PE.	PIN	PIN	PIN .CONNEC	PIN .	BEVEL	PIN.	PIN	Box	BOX	BOX	BEVEL	BOX	C.BORE	BOX	PIN	BOX	PIN	вох	PIN	BOX	PIN	вох	INTERNAL	P/T	P/T	BODY	Ğ	AVERAGE PIPE WALL THIC	H.B	Ξ		_		1	DEMARKS.
တ	교	OD.	I.D	TION	NECK LTH	DIA.	NOSE DIA	TONG SPACE.	OD	SHOUL	CONNEC TION LTH	DIA.	C.BORE DIA.	WALL	TONG SPACE.	UPSET	UPSET	TOOL	TOOL	TOOL	TOOL	TOOL	TOOL	PLASTIC	INTERNAL CLEANIN	EXTERNAL	CONDITI	9	AVE VAL			PC	C2	СЗ	C4	REMARKS
	o			LTH										ES		AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.		` >			FC	02	0.3	04	
	000400	6 19/32"	0.500	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5.5400	4.0751	14 7/8"	Olí	OK	Olí	01/	ОК	OV	01/	ок		01/	OK	ОК	01/	0.383"	NA	01/		+-	+		Associated
211	208492	6 19/32	3.50"	6.125	1./5	6 1/8"	4.312	9	6 19/32"	18/32	6.16/	6 1/8"	5 5/16"	1.875"	14 //8"	OK	OK	OK	OK	UK	OK	OK	UK	2	OK	OK		OK	0.383	NA	OK	√	<del>_</del>		-	Acceptable
212	208159	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	OK	OK	OK	2	OK	OK	ОК	OK	0.380"	NA	OK	√			-	Acceptable
213	208135	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ок	OK	ОК	ОК	ОК	ок	2	ОК	ОК	ок	OK	0.382"	NA	ок	√			-	Acceptable
214	208013	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ок	ОК	ОК	ОК	2	ОК	OK	ОК	ОК	0.383"	NA	ОК	<b>√</b>			-	Acceptable
215	208262	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.378"	NA	ОК	V			-	Acceptable
216	D05	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.384"	NA	ОК	1	T		-	Acceptable
217	208001	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	ОК	ОК	OK	OK	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.378"	al.	ОК	1	† <u>"</u>	T	-	Acceptable
218	207775	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ок	2	ОК	ОК	ОК	OK	0.383"	NA.	ОК	./			-	Acceptable
	202	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	OK	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.384"	NA	ОК	./		<b>—</b>	-	Acceptable
219	207967	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	OK	OK	ОК	ОК	ОК	2	OK	OK	ОК	OK	0.386"	NA	ОК	N .	+		-	Acceptable
220	208455	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	OK	OK	ОК	ОК	ОК	2	OK	OK	ОК	OK	0.385"	NA	ОК	N I			-	Acceptable
221	0722	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	V	+	-		Acceptable
222	D10	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	V	+	+		Acceptable
223	208435	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	OK	ОК	ок	ок	ок	2	ОК	ОК	ОК	ОК	0.384"	NA.	ОК	٧	+	+		Acceptable
224		1																						2								V	+	<del>-</del>		
225	208272	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	ОК	OK	OK	OK	OK	OK		OK	OK	OK	OK	0.381"	NA	OK	√	<u> ⊥</u>		-	Acceptable
												Resul	t:15 Jo	ints V	Vere I	ound .	Accep	table l	rom P	in & B	Box Sid	es Pre	mium	Class	(P/C) (	(Ready	To Use	:).								
	REVATIONS USED           PIN COND = PIN CONDITION         TD = THREAD DAMAGE         PS = P															NTATION	S			SUMMA	RY OF DR	ILL PIPE I	NSPECTIO	ON		(	CLASSIFICA	ATION OF D	ORILL PIP	E				ONLINE TRACEBILITY		
F		L.P = LIGHT PITTING SD = SEAL DAMAGE MS = MA															ting Loss in Tu % AND ≤35% 4			TOTAL DE	III DIDE	INSPECTE	-n	15	-	DC - DE	REMIUM CLA	100	_	15		4		(a) (25.08 <b>0</b> ) (a)		
		S.P = SEVERE PITTING PT = PITTED THREAD W.O.T = WOR										AD					linear section					O BE RECI		N/A			= CLASS II	100		N/A		-				
F	/T.I.C = PIPE/TUBE INTERNAL CLEANING SWO = SEAL WASHOUT RB =								RB = RE						ube area)			DF	RILL PIPE	NEED TO	BE RECHA	ASE	N/A		C3 =	CLASSA III			N/A		1					
											PITTING		_	_	_	% & <50%, 4=		DF			BE STRAIG	GHT	N/A		C4 =	CLASSA IV			N/A		]					
-		= INTERNAL PLACTIC COATING.         CR = CRACK         N.P=NOSE           CSA = CROSS SECTION AREA         BS =BOX SWELL         B.B=BOD								Magneti				OR SLIP AREA	PIN, BOX			ILL PIPE J			N/A					1			4		<b>□→36/95</b> %					
NODE				١		BS	=BOX S	WELL				B.B=BOD	DY BENT			TO MPI 4	18" FROM BO	X AND 36"		TECHNIC	AL DETAIL		L PIPE US	EABLE		15		_	EDCONOC	TAUC		_				REVIEWBY
INSPE	CTION EQUIP	-MENI DE	ETAILS																	LECHNIC	ME DETAIL	0						P	ERSON DE	IAILS					- 1	TEALERA D.L.



14-Aug-24

14-Aug-24

14-Aug-24

14-Aug-24

15-Aug-24

201504053

UT THICK. METER

DC COIL

BLACK LIGHT

EMILINIT

520750

SC22713

1900084

TSF7W05152260

UV LIGHT INTENSITY:



LUX METER

INTENSITY METER

PIT GALIGE



2722003

1017374

1608000134

97594





14-Aug-24

14-Aug-24

14-Aug-24

14-Aug-24

14-Aug-24





White Contrast WCP-2

Black Magnetic Ink 7HF

Fluorescent Magnetic Ink 14HF
Original - Client Files





MANUFACTURE

Magnaflux

MANUFACTURE

Magnaflux

MANUFACTURE

220602

220605

BATCH NO

JUN.2025

EXPIRE DATE

JULY 2025

EXPIRE DATE

RAOSSHAIL

M FHAID

WAQAS AWAN

CLIENT:

SPECTION SUPERVISOR



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

CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	23-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volum	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	16 to 25
INSPECTION METHOD				•					

Dry MPI

MPI Slip & Upset 
√

		EN	MI1	٧			Heat	Checking	9		٧			OD Gauge	•	٧		TH.Prof	ile Gauge	٧		DI	PT	-				UFD O	F SLIP UPS	SET AREA			٧	1		
				PIN DIMEN	SION (II	ICHES	)				BOX DIME	NSION (	INCHES)			MPI OF		LIT CLU	P /UPSET	CONN	UAL ECTION	CONNE				AL TUBE										
	Q.			PIN										BOX		/UPSET	AREA	UI SLI	PIUPSEI		CTION	INSPE		INTER		RNAL CON	DITIOIN	끯	HC.				FINAL	CLASS		
S.NO	PIPE SERIAL.	PIN OD.	PIN I.D	.CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	NOSE DIA	TONG SPACE	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GA	AVERAGE PIPE WALL THIC.	H.B	EMI	PC	C2	C3	C4	REMARKS
226	207709	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	2	OK	ОК	ОК	ОК	0.379"	NA	ОК	<b>√</b>		-	-	Acceptable							
227	208151	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	2	ок	ОК	ОК	ОК	0.377"	NA	ОК	<b>V</b>			-	Acceptable							
228	204	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	2	ОК	ОК	ОК	OK	0.381"	NA	ОК	√			-	Acceptable						
229	29 208451 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 87/8" 619/32" 3.50" 6.125" 1.75" 61/8" 4.312" 87/8" 619/32" 18/32" 6.168" 61/8" 55/16" 1.875" 15" OK																																			
230	29 207869 519/32" 3.50" 6.125" 1.75" 6.18" 4.312" 8.78" 619/32" 1.51" 1.75" 6.18" 4.312" 8.78" 619/32" 1.51" 1.414" OK																																			
231	20 207869 8 1932" 3.50" 6.125" 1.75" 6 18" 4.312" 8 78" 6 1932" 1832" 6.165" 6 18" 4.312" 8 78" 6 1932" 1832" 8.165" 6 18" 4.312" 8 78" 6 1932" 1832" 8.165" 6 18" 4.312" 8 78" 6 1932" 1832" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18" 4.312" 8 78" 6 1932" 8.165" 6 18																																			
232	10 207889 61932" 3.50" 6.125" 1.75" 618" 4.312" 878" 61932" 6.167" 618" 5516" 1.875" 14.14" OK																																			
233	208387	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15 1/2"	OK	ОК	2	ОК	ОК	ОК	OK	0.382"	NA	ОК	√		-	-	Acceptable						
234	D12	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	OK	ОК	OK	OK	OK	OK	2	ОК	ОК	ОК	OK	0.381"	NA	OK	√			-	Acceptable
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												Resul	t:09 Jc	ints V	Vere I	ound .	Accep	table l	From P	in & B	Box Sid	es Pre	mium	Class	(P/C)	Ready	To Us	e).								

					Resul	t:09 Joints V	Were Found Acceptable From P	in & B	ox Sides Pro	emium Class (	(P/C) (Ready	To Use).			
ABBREVATIONS U	JSED						REPRESENTATIONS		SUMM	ARY OF DRILL PIPE IN	NSPECTION	CLASSIFICATION OF DRILL	L PIPE	ONLINE TRACEBILITY	
PIN COND = P	PIN CONDITION		TD = THREAD DAMAGE		PS = PIT	TED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tu	ibe Area							
L.P = 1	LIGHT PITTING		SD = SEAL DAMAGE		MS = MAS	HED SEAL	1= No loss; minor abrasion, 2= ≤20%, 3= >20% AND ≤35% 4	l= >35%	TOTAL D	RILL PIPE INSPECTE	D 9	PC = PREMIUM CLASS	9		
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		E NEED TO BE RECU		C2 = CLASS II	N/A		
P/T.I.C = PIPE/TU	UBE INTERNAL CLEAN	IING	SWO = SEAL WASHOUT		RB = RE	BEVEL	feet in tube area)		DRILL PIPE	NEED TO BE RECHA	ASE N/A	C3 = CLASSA III	N/A	<b>公司在外</b> 提供	
P/T.I.C = PIPE/TU	JBE EXTERNAL CLEAN	IING	RF = RE FACING		ID.D.I.P=ID DEEP I	NTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4=	≥50%	DRILL PIPE	NEED TO BE STRAIG	GHT N/A	C4 = CLASSA IV	N/A		
IPC = INTER	LP = LIGHT PITTING S = SEAL DIAMAGE MS = MASHED SEAL 1 = No loss; minor abrasion, 2 = 20%, 3 = 20% MA = 20% TOTAL DRILL PIPE INSPECTED 9 PC = PREMIUM CLASS 9  LP = LIGHT PITTING S = SEAL DIAMAGE MS = MASHED SEAL 1 = No loss; minor abrasion, 2 = 20%, 3 = 20% MA = 20% TOTAL DRILL PIPE NEED TO BE RECUT N/A C2 = CLASS II N/A  T.I.G = PIPETUBE EXTERNAL CLEANING N/O = RE = RE FACING D.D.I.E. PIDE PIDE EXTERNAL CLEANING RF = RE FACING D.D.I.E. PIDE PIDE PITTING DESTROAGE N/A C3 = CLASS AII N/A  F.I.G = PIPETUBE EXTERNAL CLEANING RF = RE FACING D.D.I.E. PIDE PIDE PITTING D.D.I.E. PIDE PIDE PITTING DESTROAGE N/A C4 = CLASS AII N/A  F.I.G = PIPETUBE EXTERNAL CLEANING RF = RE FACING D.D.I.E. PIDE PIDE PITTING DESTROAGE N/A C4 = CLASS AII N/A  CA = CLASS AII N/A  TOTAL DRILL PIPE INSPECTED 9 PC = PREMIUM CLASS 9  F.I.G. = PIPETUBE EXTERNAL CLEANING N/O = 20% D.D.I.E. PIPE NEED TO BE RECHASE N/A C3 = CLASS AII N/A  F.I.G. = PIPETUBE EXTERNAL CLEANING RF = RE FACING D.D.I.E. PIDE PIDE PITTING D.D.I.E. PIDE PIDE PIDE PIDE PIDE PIDE PIDE PIDE														
CSA = CR	TION EQUIPMENT DETAILS  TECHNICAL DETAILS  TECHNICAL DETAILS  TECHNICAL DETAILS  PERSON DETAILS  REVIEW BY														
INSPECTION EQUIP	ON EQUIPMENT OF THE STATE OF TH														
EQUIPMENT	ON EQUIPMENT DETAILS  TECHNICAL DETAILS  TECHNICAL DETAILS  TECHNICAL DETAILS  PERSON DETAILS  PERSON DETAILS  REVIEW BY  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	RAO SCHALL ON		M.FHAID	
UT THICK. METER	520750	14-Aug-24	LUX METER		2722003	14-Aug-24			wagnanux	220002	3014,2023	AIDT SE		W. I I W M.	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR		1017374	14-Aug-24		MA	NUFACTURE	BATCH NO	EXPIRE DATE	CHALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER		1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY.2025	( ) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		WAQAS AWAN	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE		97594	14-Aug-24			iviagrialiux	220003		AS.T Zalo		WAQASAWAN	
UV LIG	GHT INTENSITY:		315	0 μw/cm²				MA	NUFACTURE	BATCH NO	EXPIRE DATE	SIC NATUR! & STAWY		CLIENT:	
14HF Concentarion:	0.1 to 0.4 ml/10	0 ml	7HF Concentarion:		1.2 to 2.4	ml/100 ml	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH,2025	Tikincering Series			
							Original - Client Files Copy - A	Area Offic	e QC/FN/	DP/070 Rev.00					



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	17 to 25
INSPECTION METHOD									

		Visua	I Tube	٧	]		Visual	Connection	n		٧	]	MP	Connection	n	٧	[	MPI Slip	& Upset	٧		Dry I	MPI	-		Din	nensional	2	٧	UT W	Vall Thickn	Iess	٧	I		
		EN	MI1	٧			Heat	Checking			٧		(	DD Gauge		٧		TH.Prof	ile Gauge	٧		DF	PT	-				UFD OF	SLIP UPS	ET AREA			٧	<u> </u>		
	1	1		PIN DIMEN	ICION (II	ICHEC			ır		BOX DIME	ENGION /	INCHES		ı	MPI OF	OL ID			T	ONNECTION	BLACK	INGHT.		MOLLA	L TUBE		1	11	1	n e	1			ı	
	2			FIN DIWER	ISION (II	VORES					BOX DINE	NOION	INCHES )	BOX		/UPSET		UT SLIF	/UPSET	INSPE		CONNE	CTION	INTER		RNAL COND	ITIOIN	ш	ш <u>с</u>				FINAL	CLASS		
S.NO	PIPE SERIAL .h	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	C.BORE WALL	BOX TONG PACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.		INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAG	AVERAG PIPE WALL TH	н.в	EMI	PC	C2	С3	C4	REMARKS
1	208510	6 5/8"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 5/8"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	ОК	ОК	ОК	ОК	S.D	ок	ОК	ОК	2	ок	ОК	ок	OK	0.381"	<b>V</b>	ок	V	Ī.,	-	-	PIN SIDE SEAL DAMAGE REJECTED
2	208083	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ок	ОК	ок	S.D	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.379"	NA	ОК	<b>√</b>			-	PIN SIDE SEAL DAMAGE REJECTED
3	208011	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ок	ОК	ок	S.D	ок	ОК	ОК	2	ок	ОК	ок	ОК	0.384"	NA	ОК	<b>√</b>			-	PIN SIDE SEAL DAMAGE REJECTED
4	208039	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ок	S.D	ок	ОК	ОК	2	ОК	ОК	ок	ОК	0.385"	NA	ОК	<b>√</b>			-	PIN SIDE SEAL DAMAGE REJECTED
5	208532	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ок	ОК	ОК	S.D	ок	ОК	ОК	2	ОК	ок	ок	OK	0.379"	NA	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
6	208082	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	S.D	ок	OK	ОК	2	ОК	ОК	ОК	OK	0.381"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
7	208410	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	OK	S.D	ок	ОК	ОК	2	ОК	ОК	ОК	OK	0.379"	NA	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
8	207827	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 5/8"	OK	OK	OK	OK	S.D	OK	OK	ОК	2	OK	OK	OK	OK	0.380"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
9	207826	6 5/8"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 15/16"	6 5/8"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	OK	OK	OK	S.D	ОК	OK	ОК	2	OK	OK	OK	OK	0.381"	<b>V</b>	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
10	208427	6 19/32"		6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"		14 7/8"	OK	OK	OK	OK	S.D	ОК	OK	OK	2	OK	OK	OK	OK	0.384"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
11	207937	6 19/32"		6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"		14 1/2'	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.386"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
12	208179	6 19/32"	3.50"	6.125"	1.75"	6 1/8"		8 15/16"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"		14 1/2"	OK OK	OK	OK	OK	S.D	OK OK	OK OK	OK	2	OK	OK	OK	OK	0.382"	NA NA	OK	√		-	-	PIN SIDE SEAL DAMAGE REJECTED
13	208339	6 19/32" 6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32" 6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"		14 1/2"	OK	ок	OK OK	OK OK	S.D	OK	OK	OK OK	2	ОК	ок	ок	OK OK	0.380"	NA NA	OK OK	√		-	-	PIN SIDE SEAL DAMAGE REJECTED PIN SIDE SEAL DAMAGE REJECTED
14	207900	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	15"	OK	ок	ОК	ОК	S.D	ОК	ОК	ОК	2	ОК	ОК	ок	OK	0.382"	NA NA	ОК	1		-	-	PIN SIDE SEAL DAMAGE REJECTED
15						1		<u> </u>	ult:15	Toints		Foun				rom Pir		nectio		Dama					<u> </u>	C) (Rea	<u> </u>	<u> </u>		lo Be R	<u> </u>	N N			<u> </u>	
ABE	REVATIONS U	SED								, , , , , , , , , , , , , , , , , , , ,	***************************************			1				NTATION			1				INSPECTIO	<u> </u>	1			ATION OF D		<b>-</b>		ı		ONLINE TRACEBILITY
	PIN COND = P	IN CONDIT	TION			TD =	THREAD	DAMAGE				PS = PII	TED SEAL		INTERN	AL PLASTIC CO	ATING (IPC)	: Overall Coa	ating Loss in T	ube Area																
		LIGHT PIT					= SEAL C						HED SEAL			loss; minor abr								INSPECTE		15			REMIUM CLA	SS		15				
	S.P = : P/T.I.C = PIPE/TU	SEVERE P		NING			= SEAL W	THREAD /ASHOUT			W.C	RB = RI	OUT THRE	AD	Localized C	Coating Loss 36	i0° (Internal feet in to		linear section	of length 3				O BE RECH		N/A N/A			= CLASS II CLASSA III			N/A N/A				<b>聚基础设施</b>
	P/T.I.C = PIPE/TU						= RE				ID.D.I.P		NTERNAL F	ITTING	1= No	loss; minor al	brasion, 2= :	>25%, 3= >25	% & <50%, 4:	≥50%				BE STRAI		N/A			CLASSA IV			N/A		1		
	IPC = INTER	NAL PLAC	TIC COAT	NG.		CI	R = CI	RACK				N.P=NOS	E PITTED			Particle inspe							ILL PIPE .			N/A	11									
	CSA = CR					BS	=BOX S	WELL				B.B=BO	DY BENT			TO MPI 48	" FROM BO	X AND 36" I					. PIPE US	EABLE		-						11				
	QUIPMENT		NUMBER	CAL.DU	E DATE:	FOUIPM	ENT				SERIAL	NUMBER	CAL.DU	DATE							AL DETAIL		BATA	CH NO	EYDID	E DATE			SPECTOR			₩				R INSPECTOR:
	AC YOKE		04053	14-A		LQUIPM		SS METER				01175	14-AL			White 0	Contrast \	WCP-2		IVI								- IN	umu.							
	HICK. METER		0750	14-A	ıg-24		LUX	KMETER				2003	14-AL	g-24							Magnaflux			0602		1,2025		1/2	RAO SON	18/10						M.FHAID
	DC COIL		22713	14-A		ı		C FLAW DETEC				7374	14-AL							M	ANUFACTU	RE	BAT	CH NO	EXPIR	E DATE		The same	MALIELLA	DESCRIPTION NAMED IN	7/				INSPECTI	ON SUPERVISOR:
	ACK LIGHT EMI UNIT		05152269	14-A	ug-24 ug-24	-		GAUGE	к	-		000134 '594	14-AL			Black N	lagnetic I	nk 7HF			Magnaflux		220	0605	JULY	Y,2025		AS.	T 7 7	CO J	100				WA	QAS AWAN
		HT INTEN		.540	,				290	0 μw/cm²			1 1-776							M	ANUFACTU	RE	BATO	CH NO	EXPIR	E DATE	- 2	SIC	NATUR'- N	STAIR		1				CLIENT:
14HF	Concentarion:	0.1	to 0.4 ml/1	00 ml		7H	Concen	tarion:				1.2 to 2.4	ml/100 ml			Fluorescen	t Magneti	ic Ink 14H	F		Magnaflux		220	0306	MARC	CH,2025	, A.	1	Singineerin	ng Sairie	7					
															1	Original -	Client F	iles	Copy -	Area Offi	ce	QC/FN/I	P/070	Rev.00					-							





















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	17-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	18 to 25
INSPECTION METHOD									

,		Visua	l Tube	٧	]		Visual	Connection	on		٧	]	MP	Connecti	on	٧		MPI Slip	& Upset	٧	]	Dry I	MPI	-		Din	nensional	2	٧	UT W	Vall Thickn	ess	٧	I		
		EN	MI1	٧			Heat	Checking			٧			DD Gauge		٧		TH.Prof	ile Gauge	٧		DI	PT	-	1			UFD O	SLIP UPS	SET AREA			٧			
		ır .		PIN DIMEN	ICION (II	HOUES			1		DOV DIME	ENSION (	INCHES)		-							BLACK	INGHT.	_				1	ır	nr -	1	1			1	1
	0			PIN DIMEN	ISION (II	NCHES	) 	1			BOX DIME	ENSION (	INCHES)			MPI OF		UT SLIF	/UPSET	VISUAL CO INSPE	ONNECTION CTION.	CONNE	CTION	INTER	VISUA RNAL EXTE	L TUBE RNAL COND	ITIOIN						FINAL	CLASS		
S.NO	PIPE SERIAL .N	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAGE	AVERAGE PIPE WALL THIC	н.в	EMI	PC	C2	C3	C4	REMARKS
16	208446	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	S.D	ОК	ОК	ок	2	ОК	ок	ок	ОК	0.374"	NA	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
17	208127	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	S.D	ок	ОК	ок	2	ОК	ок	ок	ОК	0.378"	NA	ок	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
18	207839	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/16"	ОК	ОК	ОК	ОК	S.D	ок	ОК	ок	2	ОК	ОК	ОК	ОК	0.393"	<b>V</b>	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
19	D77	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	S.D	ок	ОК	ок	2	ОК	ОК	ОК	ОК	0.394"	NA	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
20	208188	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	OK	S.D	ОК	OK	ОК	2	ОК	OK	ОК	OK	0.384"	NA	ОК	<b>√</b>			-	PIN SIDE SEAL DAMAGE REJECTED
21	208357	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	OK	OK	S.D	OK	ОК	ОК	2	ОК	OK	ОК	OK	0.379"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
22	208201	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	S.D	OK	OK	ОК	2	OK	OK	OK	OK	0.375"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
23	D06	6 19/32"	3.50"	6.125"	1.75"		4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.381"	NA	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
24	207828	6 20/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	9"	6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.383"	√	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
25	208383	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.379"	NA	OK	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
26	207927	6 20/32"	3.50"	6.125"	1.75"		4.312"		6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	11 1/4"	OK	OK	OK	OK	S.D	OK	OK	OK	2	OK	OK	OK	OK	0.382"	√ N.	OK	√			-	PIN SIDE SEAL DAMAGE REJECTED
27	208340	6 19/32" 6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32" 6 20/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK OK	OK OK	ОК	OK OK	8.0	OK OK	OK OK	ОК	2	OK OK	ОК	ОК	ок	0.380"	NA	OK OK	1		-	-	PIN SIDE SEAL DAMAGE REJECTED  PIN SIDE SEAL DAMAGE REJECTED
28	207710	6 19/32"		6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ок	S.D	OK	ОК	ОК	2	ОК	ОК	ОК	OK	0.378"	√ NA	ОК	1				PIN SIDE SEAL DAMAGE REJECTED
29	208458	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	S.D	ОК	ОК	ок	2	ОК	ОК	ок	ОК	0.379"	NA.	ОК	1				PIN SIDE SEAL DAMAGE REJECTED
30								Res	ult:15	Toints	Were	Found	d UnA	ccepta	ble F	rom Pi	n Con	nectio	n Seal	Dama	ge Reje	ected 1	Premi	um Cla	ass (P/C	(Rea	dy To	Use).	Need '	To Be R	Repair.	-	1			
ABB	REVATIONS U	JSED															REPRESE	NTATION							INSPECTIO	<u> </u>				ATION OF D						ONLINE TRACEBILITY
-	IN COND = P							DAMAGE					TED SEAL			AL PLASTIC C																				mms-weet mi
		SEVERE P				00	= SEAL D	THREAD			wo	MS = MAS	HED SEAL OUT THRE	AD		loss; minor ab Coating Loss 3								O BE REC		15 N/A	-		EMIUM CLA = CLASS II	ASS		15 N/A				<b>高級教育</b>
-	/T.I.C = PIPE/TL			NING			= SEAL W				11.0	RB = RE		,,,,	Localizeu	coating coss a		ube area)	iiieai secuoi	or length 3				BE RECH		N/A			CLASSA III			N/A		1		
F	T.I.C = PIPE/TU	JBE EXTER	NAL CLEA	NING		RF	= RE	FACING			ID.D.I.P	=ID DEEP I	NTERNAL F	ITTING	1= N	o loss; minor a	brasion, 2=	>25%, 3= >25	% & <50%, 4	≥50%	DF	ILL PIPE	NEED TO	BE STRAI	IGHT	N/A		C4 =	CLASSA IV			N/A		1		
	IPC = INTER						R = C					N.P=NOS			Magneti	Particle insp				PIN, BOX			ILL PIPE			N/A										
INCO	CSA = CR					BS	=BOX S	WELL				B.B=BOI	DY BENT			TO MPI 4	8" FROM BC	X AND 36" I	ROM PIN	TECHNICA	AL DETAIL		L PIPE US	SEABLE		-			ERSON DE	ETAIL C		1			D	EVIEW BY
	UIPMENT		NUMBER	CAL.DU	E DATE:	EQUIPM	ENT				SERIAL	NUMBER	CAL.DU	DATE:							ANUFACTU		BAT	CH NO	EXPIR	E DATE			SPECTOR							R INSPECTOR:
	C YOKE	2015	04053	14-Aı	ug-24		GAUS	SS METER			1400	01175	14-Aı	g-24		White	Contrast 1	WCP-2			Magnaflux			0602		.2025		//	RAO SO							M.FHAID
	HICK. METER		750	14-A		<b>!</b>		KMETER				2003	14-AL															_((=	MID	T 181	1					
	OC COIL ACK LIGHT		2713 0084	14-Aı	ug-24 ug-24	-		SITY METER		-		7374 000134	14-AL			Black	Magnetic I	nk 7HF			NUFACTU			CH NO		E DATE		100	MALIFICA	PROPERTY.	77					ION SUPERVISOR:
	MIUNIT		05152269	15-A	_	╁		GAUGE				594	14-AL			Diuok i					Magnaflux		22	0605	JULY	r,2025	2	AS	TON	0	-				WA	QAS AWAN
	UV LIG	GHT INTEN	SITY:			*			290	) μw/cm²										MA	NUFACTU	RE	BAT	CH NO	EXPIR	E DATE	- 3	SIG	NATUR'		7					CLIENT:
14HF	Concentarion:	0.1	to 0.4 ml/1	00 ml		7H	F Concen	tarion:				1.2 to 2.4	ml/100 ml			Fluoresce					Magnaflux			0306	MARC	H,2025		11	Engineeri	ng Serii	/					
																Original -	Client F	iles	Copy -	Area Offic	ce	QC/FN/I	DP/070	Rev.00												



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	23-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	19 to 25
INSPECTION METHOD									

1	Visu	al Tube	٧	]		Visual	Connect	ion		٧	]	MPI	Connect	tion	٧	]	MPI Slij	& Upset	٧		Dry N	MPI	-		Din	nensional	2	٧	UTV	Wall Thicks	ness	٧	I		
	Е	MI1	٧			Heat	Checkin	g		٧		C	DD Gauge	•	٧		TH.Prof	ile Gauge	٧		DP	T	٠				UFD OF	SLIP UPS	SET AREA			٧			
	,		•																					- 			,								
		1	PIN DIMEN	ISION (IN	NCHES	)	T			BOX DIME	NSION (	NCHES)			MPI OF		UT SLI	P /UPSET		ONNECTION ECTION.	BLACK L CONNEI INSPEC	CTION	INTER	VISUA RNAL EXTE	L TUBE RNAL COND	ITIOIN		vi				FINAL	CLASS		
S.NO PIPE SERIAL .N	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE		BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	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	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAGE	AVERAGE PIPE WALL THIC.	н.в	EMI	PC	C2	C3	C4	REMARKS
31 207779	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ок	ОК	S.D	ОК	ОК	ОК	2	ОК	ок	ОК	ОК	0.380"	NA	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
32 208072	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/4"	OK	ОК	ОК	ОК	S.D	ОК	ОК	ОК	2	ОК	ОК	ОК	OK	0.382"	NA	ОК	<b>V</b>			-	PIN SIDE SEAL DAMAGE REJECTED
								-																											
																													_						
																					_														
																_																			
	Result:02 Joints Were Found UnAcceptable Fr														rom Pi	n Con	nectio	n Seal	Dama	ge Reje	cted I	Premi	um Cla	ass (P/C	C) (Rea	dy To	Use).	Need '	To Be I	Repair.					
ABBREVATIONS																	ENTATION				SUMMAR	RY OF DR	RILL PIPE I	INSPECTIO	N		(	CLASSIFIC	ATION OF	DRILL PIP	E				ONLINE TRACEBILITY
PIN COND =	PIN CONDI LIGHT PI				ID =	= SEAL D	DAMAGE	=			PS = PIT MS = MAS							ating Loss in T 1% AND ≤35%		1	OTAL DR	ILL PIPE	INSPECTE	ED	2	<b>-</b>	PC = PR	EMIUM CLA	ASS		2				
S.P =	SEVERE I	PITTING	NIINO.				THREAD			W.C	T = WORN	OUT THRE	AD			60° (Internal		linear section			RILL PIPE	NEED TO	O BE REC	UT	N/A		C2	= CLASS II			N/A N/A				<b>发展等</b> 多差
P/T.I.C = PIPE/T						= SEAL W = RE	VASHOUT FACING		<del>                                     </del>	ID.D.I.P	RB = RE	BEVEL NTERNAL P	ITTING	1= N	o loss; minor		,	5% & <50%, 4	: ≥50%				BE RECH BE STRAI		N/A N/A	-		CLASSA III CLASSA IV			N/A N/A				
IPC = INTE						R = C					N.P=NOS				Particle insp	ection By AC	Yoke UPSET	OR SLIP AREA				ILL PIPE			N/A										
CSA = C		TION AREA		<u> </u>	BS	=BOX S	SWELL		<u> </u>	<u> </u>	B.B=BOI	Y BENT			TO MPI	18" FROM BO	OX AND 36"	FROM PIN	TECHNIC	AL DETAIL:		. PIPE US	EABLE		-		p	ERSON DE	ETAILS				<u> </u>	RI	EVIEW BY
EQUIPMENT	SERIAL	NUMBER		E DATE:	EQUIPM						NUMBER	CAL.DUE								ANUFACTU		BAT	CH NO	EXPIR	E DATE			SPECTOR			Ì				R INSPECTOR:
AC YOKE UT THICK, METER		504053 20750	14-Aı		-		SS METER X METER			140	2003	14-Au 14-Au			White	Contrast	WCP-2			Magnaflux		220	0602	JUN	,2025		//	RAO SOL	Comp	_					M.FHAID
DC COIL	SC	22713	14-Aı	ug-24	ı	JLTRASONIO	C FLAW DET			101	7374	14-Au	g-24						MA	ANUFACTU	RE	BAT	CH NO	EXPIR	E DATE			IALIFIC.	ION:					NSPECTI	ON SUPERVISOR:
BLACK LIGHT EMI UNIT		00084 /05152269	14-Aı 15-Aı		1		SITY METE	ER			000134 594	14-Au 14-Au			Black	Magnetic	Ink 7HF			Magnaflux		220	0605	JULY	′,2025	9	AS.	т + -	0	Vie				WA	QAS AWAN
	IGHT INTE		13-41	uy 24	JL	711	JAUGE	290	10 μw/cm <sup>2</sup>	1 9/	004	14-AU	9 24						MA	ANUFACTU	RE	BATO	CH NO	EXPIR	E DATE	2	SIC	NATUR'.	S STAIR						CLIENT:
14HF Concentarion:	0.	1 to 0.4 ml/1	00 ml		7H	F Concen	ntarion:				1.2 to 2.4	ml/100 ml			Fluoresce	nt Magnet	tic Ink 14H	F		Magnaflux		220	0306	MARC	H,2025	8	Li	Soxineeri	ng Seriil						
															Original -	Client I	Files	Сору -	Area Offi	ce	QC/FN/D	P/070	Rev.00												





















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	20 to 25
INSPECTION METHOD									

I		Visua	l Tube	٧			Visual	Connection	on		٧	1	MP	Connecti	on	٧	]	MPI Slip	& Upset	٧		Dry N	MPI	-	 ا ا	Din	nensional	2	٧	UTV	Vall Thickn	ess	٧			I
		EN		٧				Checking			٧	1	_	D Gauge		٧	1		ile Gauge	٧		DF		-	1				SLIP UPS	-			٧			
											l	1					l				l l				1 1											· ·
				PIN DIMEN	SION (IN	ICHES )	1				BOX DIME	NSION (	NCHES)			MPI OF	SLIP	LIT OLIF	/UPSET	VISUAL CO	NNECTION	BLACK			VISUAI	. TUBE										
0	E .NO			PIN	PIN.		PIN.	PIN		BOX	BOX		вох	BOX C.BORE	вох	/UPSET	AREA	UI SLIF	/UPSET	INSPEC	CTION.	INSPEC		INTER	P/T	NAL COND		GAGE	AGE E THIC.		_		FINAL	CLASS		
S.NO	PIPE SERIAL	PIN OD.	PIN I.D	.CONNEC TION LTH	NECK LTH	BEVEL DIA.	NOSE DIA	TONG SPACE.	Box OD	SHOUL	CONNEC TION LTH	BEVEL DIA.	C.BORE DIA.	WALL	TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	INITEDNIAL	P/T EXTERNAL CLEANING		/9 QO	AVERAGE PIPE WALL THIC.	H.B	EMI	PC	C2	С3	C4	REMARKS
1	207798	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	S.D	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	PIN&BOX SEAL DAMAGE REJECTED
2	208167	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	OK	S.D	S.D	OK	ОК	2	OK	OK	ОК	OK	0.380"	NA	ОК	√			-	PIN&BOX SEAL DAMAGE REJECTED
3	208531	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ОК	ОК	S.D	S.D	ОК	ОК	2	OK	ОК	ОК	OK	0.382"	NA	ОК	<b>V</b>			-	PIN&BOX SEAL DAMAGE REJECTED
4	207852	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	S.D	S.D	OK	OK	2	OK	OK	ОК	OK	0.383"	NA	OK	√			-	PIN&BOX SEAL DAMAGE REJECTED
5	208184	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	S.D	S.D	OK	ОК	2	OK	OK	ОК	OK	0.378"	NA	OK	√			-	PIN&BOX SEAL DAMAGE REJECTED
6	D07	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	S.D	S.D	OK	OK	2	OK	OK	OK	OK	0.384"	NA	OK	√			-	PIN&BOX SEAL DAMAGE REJECTED
-																																				
_																																				
							F	Result	06 Join	nts We	ere For	und U	nAcce	ptable	From	Pin &	Вож	Conne	ction S	eal Da	mage l	Rejecto	ed Pre	mium	Class (	P/C) (I	Ready	To U	se).Ne	ed To I	Be Rep	air.			-	
	REVATIONS U																	ENTATION				SUMMAR	RY OF DR	RILL PIPE I	INSPECTIO	N		(	CLASSIFIC	ATION OF D	DRILL PIPE					ONLINE TRACEBILITY
	IN COND = P							DAMAGE					TED SEAL			AL PLASTIC CO																				range-page ran
		LIGHT PITT SEVERE PI					PITTED	THREAD				MS = MAS	OUT THRE	ΔD		loss; minor ab Coating Loss 3								INSPECTE O BE REC		6 N/A			EMIUM CLA	SS		6 N/A				是2000年
	/T.I.C = PIPE/TU			NING				/ASHOUT				RB = RE			Localized (	COULING LUSS 3		tube area)	car section	or rengui 3				BE RECH		N/A			CLASSA III			N/A				
F	T.I.C = PIPE/TU						= RE				ID.D.I.P		NTERNAL P	ITTING	1= N	o loss; minor a	brasion, 2=	>25%, 3= >25	% & <50%, 4:	: ≥50%	DR			BE STRAI	IGHT	N/A		C4 =	CLASSA IV			N/A				
	IPC = INTER CSA = CR	OSS SECT	ION AREA	NG.			= CI =BOX S					N.P=NOS B.B=BOI			Magneti	Particle inspe TO MPI 4		Yoke UPSET DX AND 36" F	ROM PIN			DRILL	ILL PIPE . L <b>PIPE US</b>			N/A -										E14374/0033
	CTION EQUIP																			TECHNICA									ERSON DE							EVIEW BY
	C YOKE	SERIAL I		CAL.DUE		EQUIPM		SS METER				NUMBER 01175	CAL.DUI			White	Contrast	WCP-2		MA	NUFACTU	RE		CH NO	EXPIRE	DATE		IN	SPECTOR	NAME:	_					R INSPECTOR:
UT T	IICK. METER	520	750	14-Au	ig-24		LUX	KMETER			272	2003	14-Au	g-24		Annte	Contrast	1107-2			Magnaflux			0602	JUN,			1/3	RAO SOL	m / 2						M.FHAID
	OC COIL		2713	14-Au		U		C FLAW DETE				7374	14-Au							MA	NUFACTU	RE	BATO	CH NO	EXPIRE	DATE		- Charles	MALIELLA		7/			I	NSPECTI	ON SUPERVISOR:
	MI UNIT	TSEZW0	0084	14-Au 15-Au		<b> </b>		GAUGE	к	-		000134 594	14-Au			Black N	Magnetic	INK 7HF			Magnaflux		220	0605	JULY	,2025	3	AS	T TO	0	Life				WA	QAS AWAN
		HT INTENS		10-740	5 ±7	<u>  </u>	- 11	2.1002	2900	0 μw/cm²										MA	NUFACTU	RE	BATO	CH NO	EXPIRE	DATE	- 2	SIC	NATUR'- N	STAIN						CLIENT:
14HF	Concentarion:	0.1	to 0.4 ml/1	00 ml		7HF	Concen	tarion:				1.2 to 2.4	ml/100 ml			Fluorescer	nt Magnet	tic Ink 14H	F		Magnaflux		220	0306	MARC	H,2025	N.	1	Springerin	ng Serie	7					
											•			JI.		Original -	Client I	Files	Сору -	Area Offic	e	QC/FN/D	P/070	Rev.00												























CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	21 to 25
INSPECTION METHOD									

ı		Visua	I Tube	٧	]		Visual	Connection	n		٧	]	MP	l Connect	ion	٧		MPI Slip	& Upset	٧	]	Dry I	MPI	-		Din	nensional	2	٧	UT V	Wall Thickn	Iess	٧	I		
		EI	MI1	٧			Heat	Checking			٧			OD Gauge	)	٧		TH.Prof	ile Gauge	٧		DF	PT					UFD O	SLIP UPS	ET AREA			٧			
	1	ır		PIN DIMEN	ICION (II	ICHEC			ır		BOX DIME	ENGION (	INCHES )			MPI OF	OL ID			T	INNECTION	BLACK	INGHT.	1	MOLLA	L TUBE			11	1		1			ı	
	0			FIN DIWER	ISION (II	VORES					BOX DINE	-NOION (	INCHES			/UPSET		UT SLIF	/UPSET	INSPE		CONNE	CTION	INTER	RNAL EXTE		ITIOIN		ш с				FINAL	CLASS		
S.NO	PIPE SERIAL .N	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.		INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAGE	AVERAGI PIPE WALL THI	н.в	EMI	PC	C2	СЗ	C4	REMARKS
1	208273	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ок	ОК	OK	ок	S.D	ОК	ОК	2	ок	ок	ок	ОК	0.383"	NA	ОК	<b>V</b>	1		-	BOX SIDE SEAL DAMAGE REJECTED
2	2079634	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	S&T.D	ОК	ОК	2	ОК	ОК	ок	ОК	0.380"	NA	ок	<b>√</b>			-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
3	208089	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ок	S&T.D	ОК	ОК	2	ОК	ОК	ок	ОК	0.382"	NA	ок	<b>V</b>			-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
4	208433	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	S&T.D	ОК	ОК	2	ОК	ОК	ок	OK	0.383"	NA	ОК	<b>√</b>		-	-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
5	208009	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/4"	ОК	ок	ОК	ОК	ОК	S&T.D	ОК	ОК	2	ОК	ок	ок	ОК	0.378"	NA	ОК	<b>V</b>			-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
6	207764	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	OK	ОК	OK	ОК	S.D	OK	ОК	2	ОК	OK	ОК	OK	0.384"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
7	208366	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	ОК	S.P	OK	OK	2	ОК	OK	ОК	OK	0.378"	NA	OK	<b>√</b>			-	BOX SIDE SEAL PITTED REJECTED
8	D48	6 5/8"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 5/8"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	10 3/8"	OK	OK	OK	OK	OK	S.D	OK	ОК	2	OK	OK	OK	OK	0.383"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
9	208477	6 5/8"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 5/8"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	OK	OK	OK	OK	S.P	OK	ОК	2	OK	OK	OK	OK	0.384"	NA	OK	√			-	BOX SIDE SEAL PITTED REJECTED
10	207999	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.386"	NA	OK	√		-	-	BOX SIDE SEAL DAMAGE REJECTED
11	207752	6 19/32"	3.50"	6.125"	1.75"		4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.385"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
12	208474	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK OK	OK OK	OK	OK	OK OK	S.D	OK OK	OK	2	OK	OK	OK	OK	0.383"	NA NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
13	208022	6 19/32" 6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32" 6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK OK	OK OK	OK	S.D	OK	ОК	2	ОК	ок	ОК	OK OK	0.383"	NA NA	OK OK	√		-	-	BOX SIDE SEAL DAMAGE REJECTED  BOX SIDE SEAL DAMAGE REJECTED
14	207924	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK	ок	ОК	OK	ок	S.P.	ок	ок	2	ОК	ОК	ок	ОК	0.384"	INA.	ОК	V .	-	-		BOX SIDE SEAL PITTED REJECTED
15						<u> </u>		Toint	e Wor	e Four	<u> </u>	<u> </u>	1			onnect			read I		- RrSon1				remiur		(P/C)		1	Use).No		Ro P	ongir			
ARE	REVATIONS L	ISED				IXES	uit. I.	) JUIII	S WEI	e rour	id OIL	иссер	table 1	TOIL	DUA C			NTATION		oamage	OLDCAI		<u> </u>		INSPECTIO		(1/4)	<u> </u>	<del></del>	ATION OF D			chan	1		ONLINE TRACEBILITY
	PIN COND = P		ION			TD =	THREAD	DAMAGE				PS = PI	TED SEAL		INTERN	IAL PLASTIC CO				ube Area						-										
		LIGHT PIT				00	= SEAL C	27 000 000					HED SEAL		1= No	loss; minor abi	rasion, 2= ≤	20%, 3= >20	% AND ≤35%	4= >35%				INSPECT		15			REMIUM CLA	SS		15				<b>奥教教教</b> 具
	S.P = P/T.I.C = PIPE/TU	SEVERE P		NING			= SEAL W	THREAD			W.O		OUT THRI	EAD	Localized	Coating Loss 30		l surface any ube area)	linear section	of length 3				O BE RECH		N/A N/A			= CLASS II CLASSA III		-	N/A N/A				观点的变数
	P/T.I.C = PIPE/TU						= RE				ID.D.I.P		NTERNAL F	PITTING	1= N	o loss; minor a			% & <50%, 4=	:≥50%				BE STRAI		N/A			CLASSA IV			N/A		1		
	IPC = INTER	NAL PLAC	TIC COATI	NG.		CI	R = CI	RACK				N.P=NOS	E PITTED			c Particle inspe						DR	ILL PIPE .	JUNK		N/A	и									
	CSA = CR					BS	=BOX S	WELL				B.B=BO	DY BENT			TO MPI 4	8" FROM BO	X AND 36" I					. PIPE US	SEABLE		-										
	QUIPMENT		NUMBER	CAL DII	E DATE:	EQUIPM					CEDIAL	NUMBER	CAL.DU	E DATE.							NUFACTU		DAT	CH NO	EVDID	E DATE			ERSON DE			<u> </u>				EVIEW BY
	AC YOKE					EQUIPM		SS METER								White (	Contrast 1	WCP-2		MA								IN	i amul							R INSPECTOR:
	HICK. METER																				Magnaflux		220	0602	JUN	,2025		1/2	RAO SOL	18/10						M.FHAID
	DC COIL					ι														M.A	NUFACTU	IRE	BAT	CH NO	EXPIR	E DATE			MALIFICA	THE RESERVE TO SERVE	77/				INSPECTI	ON SUPERVISOR:
	ACK LIGHT					ļ			R							Black N	Magnetic I	Ink 7HF			Magnaflux		220	0605	JULY	7,2025	- 3	As.	T 7 7 11	0.1	LEE				WA	QAS AWAN
				13-A	ay-24		711	GAUGE	29n	) uw/cm²	97	J04	14-A	uy-24						MA	NUFACTU	IRE	BATO	CH NO	EXPIR	E DATE	- 2	SIG	NATUR'- S	STAN						CLIENT:
14HF	Concentarion:	IICK METER         520750         14-Aug-24         LUX METER         2722003         14-Aug-24           DC COIL         SC22713         14-Aug-24         LUX METER         1017374         14-Aug-24           OC COIL         190084         14-Aug-24         INTENSITY METER         1608000134         14-Aug-24           MI UNIT         TSEZW05152269         15-Aug-24         PIT GAUGE         97594         14-Aug-24           UV LIGHT INTENSITY:         2900 µw/cm²													Fluorescen	nt Magnet	ic Ink 14H	F		Magnaflux			0306		H,2025	à.		Engineerii	NE SUCCES	//						
		GHT   1900084													iles	Сору -	Area Offi	ce	QC/FN/I	P/070	Rev.00															



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	22 to 25
INSPECTION METHOD									

										٧		MF	l Connec	tion	٧		MPI Slip	& Upset	٧	]	Dry I	MPI	-		Din	nensional	2	٧	UT V	Wall Thickn	ess	٧	I			
		El	MI1	٧			Heat	Checking	ı		٧			OD Gauge	Ð	٧		TH.Prof	ile Gauge	٧		DF	PT	-				UFD O	F SLIP UPS	SET AREA			٧			
																10						BLACK	IN AUT						20	00	- VC	,				
	_		1	PIN DIMEN	ISION (II	NCHES	)	1		1	BOX DIME	ENSION (	INCHES)			MPI OF		UT SLIF	/UPSET	VISUAL CO	ONNECTION CTION.	CONNE	CTION	INTER	VISUAL RNAL EXTER		ITIOIN						FINAL	CLASS		
0	шž			PIN	PIN.		PIN	. PIN		BOX	BOX		BOX	BOX C.BORE	BOX							INSPEC	JION.		P/T			AGE.	AGE THE		_		IIIAL	CLAGO		
N.	PIPE	PIN OD.	PIN I.D	.CONNEC TION LTH	NECK LTH	BEVEL DIA.	NOSE DIA		Box OD	SHOUL	CONNEC TION LTH	BEVEL DIA.	C.BORE DIA.		TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	TOOL	INTERNAL PLASTIC COATING.	INTERNAL	P/T EXTERNAL CLEANING		OD GA	AVERAC PIPE WALL TH	H.B	EMI	PC	C2	С3	C4	REMARKS
16	208102	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ок	ОК	ОК	ок	S.D	ОК	ОК	2	ОК	ОК	ок	ОК	0.385"	NA	ок	<b>V</b>			-	BOX SIDE SEAL DAMAGE REJECTED
17	208485	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.382"	NA	ОК	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED
18	208157	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	OK	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.381"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
19	208052	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	OK	OK	ОК	OK	0.384"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
20	208447	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	ОК	S&T.D	ОК	ОК	2	OK	OK	ОК	OK	0.379"	NA	OK	√			-	BOX SIDE SEAL&THREAD DAMAGE REJECTED
21	207829	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.382"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
22	207950	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 5/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	OK	S.D	OK	ОК	2	OK	OK	OK	OK	0.379"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
23	208220	6 5/8"	3.50"	6.125"	1.75"	6 1/8"		1	6 5/8"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.388"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
24	207848	6 5/8"	3.50"	6.125"	1.62"	6 1/8"	4.312"	-	6 5/8"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.382"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
25	208190	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.388"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
26	207885	6 19/32"	3.50"	6.125"	1.75"	6 1/8"		-	6 19/32" 6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.384"	NA 	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
27	100	6 19/32" 6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK OK	OK OK	OK OK	OK OK	OK OK	5.D	OK OK	ОК	2	OK OK	OK OK	ОК	OK OK	0.382"	NA NA	OK OK	√		••	-	BOX SIDE SEAL DAMAGE REJECTED  BOX SIDE SEAL DAMAGE REJECTED
28	208448	6 19/32"		6.125"	1.25"	6 1/8"	4.312"	-	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	OK	OK	ОК	S.D.	ОК	ОК	2	ОК	OK	ОК	OK	0.382"	NA NA	ОК	1				BOX SIDE SEAL DAMAGE REJECTED
29	207124	6 19/32"		6.125"	1.75"	-	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"		15"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ок	2	ОК	ОК	ок	ОК	0.382"	NA.	ОК	٧		-	-	BOX SIDE SEAL DAMAGE REJECTED
30		1				<u> </u>	Re	sult:1	5 Joint	s Wer	Foun	ıd Un.	Accept	table 1	rom	Box Co	nnect	ion Se	al&Th	read D	amage	Reje	cted P	remiu	m Class	(P/C)	(Read	y To	<u> </u>	leed To	o Be Re	epair.			<u> </u>	
ABB	REVATIONS L	JSED															REPRESE	NTATION	S			SUMMA	RY OF DR	RILL PIPE I	INSPECTION	N .		-	CLASSIFIC	ATION OF I	DRILL PIPE					ONLINE TRACEBILITY
	IN COND = P							DIDAMAGE					TED SEAL			NAL PLASTIC C								WOREOFF												ERISS-ASSICIO
-		SEVERE P					= SEAL I	THREAD			W.O		HED SEAL OUT THR	EAD		loss; minor ab Coating Loss 3		_						O BE REC		15 N/A			= CLASS II	155		15 N/A				
	/T.I.C = PIPE/TU	UBE INTER	RNAL CLEA			SWO	= SEAL V	VASHOUT				RB = R	BEVEL			8		ube area)			DF	RILL PIPE	NEED TO	BE RECH	IASE	N/A		C3 =	CLASSA III			N/A				
	T.I.C = PIPE/TU							FACING			ID.D.I.P		NTERNAL	PITTING		lo loss; minor a					DF			BE STRAI	IGHT	N/A		C4 =	CLASSA IV			N/A				
-	IPC = INTERNAL PLACTIC COATING.						R = C			-	-	N.P=NOS B.B=BO	E PITTED DY BENT		Magnet	ic Particle insp TO MPI 4		Yoke UPSET OX AND 36" I		PIN, BOX			ILL PIPE .			N/A	1									国 李江东设建设
CSA = CROSS SECTION AREA INSPECTION EQUIPMENT DETAILS							20/10					2.5 50				.5				TECHNIC	AL DETAIL			, L. NOLL			T.	P	ERSON DE	ETAILS					RI	EVIEW BY
EQUIPMENT   SERIAL NUMBER   CAL.DUE DATE:   EQUIPMENT											NUMBER	CAL.DU							MA	NUFACTU	IRE	BATO	CH NO	EXPIRE	DATE		IN	SPECTOR	NAME:					SENIO	R INSPECTOR:	
UT THICK. METER 520750 14-Aug-24 LUX					SS METER X METER				01175 2003		ug-24 ug-24		White	Contrast	WCP-2			Magnaflux		220	0602	JUN,	2025		11	RAO SOL	A On						M.FHAID			
DC COIL SC22713 14-Au						-		C FLAW DETE	CTOR	<u> </u>		7374		ug-24 ug-24						MA	ANUFACTU	IRE	BATO	CH NO	EXPIRE	DATE			MALIFICA	TON:	1				NSPECTI	ON SUPERVISOR:
	ACK LIGHT		00084	14-A	_			SITYMETE	R			000134		ug-24		Black I	Magnetic	Ink 7HF			Magnaflux		220	0605	JULY,	.2025		(As	T -	(19.1	GR				WA	QAS AWAN
	MIUNIT	TSEZWI	05152269	15-A	ug-24	<u> </u>	PIT	r GAUGE	200	0 uw/cm²	97	594	14-A	ug-24						M	NUFACTU			CH NO	EXPIRE		- 2	William	NATUR:	0	<u> </u>					CLIENT:
14HF	Concentarion:		to 0.4 ml/1	00 ml		7H	F Concer	ntarion:	290	pwcnr		1.2 to 2.4	ml/100 ml			Fluoresce	nt Magnet	ic Ink 14H	F	IVI	Magnaflux			0306	MARCH		- A-	310	Pringere	NE SECON	J -					OLILAT.
																Original -	O11 1	111	0	Aren Offi		OC/EN/E	TD (070	D 00	<u> </u>		<u></u>					1				



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	RU-612	RIG No:	ZPEC-25	DATE OF WORK:	14-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	23 to 25
INSPECTION METHOD									

		Visua	l Tube	٧	]		Visual	Connection	on		٧	]	MP	PI Connec	tion	٧	]	MPI Slip	& Upset	٧	]	Dry I	MPI	-	] [	Din	nensional	2	٧	UT V	Wall Thickr	ness	٧	I		ĺ
		EI	MI1	٧			Heat	Checking			٧			OD Gaug	е	٧		TH.Prof	ile Gauge	٧		DF	PT	-				UFD O	F SLIP UPS	SET AREA			٧			
		,			4						,	•	,				•	,			4	,											,	•		•
				PIN DIMEN	ISION (II	NCHES	)				BOX DIME	ENSION (	INCHES)			MPI O		UT SLIF	/UPSET		ONNECTION CTION.	BLACK			VISUAL											
	N.			PIN										вох		/UPSET	AKEA			INSPE	CTION.	INSPEC	TION.	INTER	RNAL EXTER	MAL COND	ITIOIN	В	AGE THIC.				FINAL	CLASS		
S.N	PIPE	PIN OD.	PIN I.D	.CONNEC	PIN . NECK	BEVEL	PIN . NOSE	PIN TONG	Box	BOX SHOUL	BOX CONNEC	BEVEL	BOX C.BORE	C.BORE WALL	TONG	PIN	BOX	PIN	BOX	PIN	BOX	PIN	BOX	INTERNAL	P /T INTERNAL	P/T	BODY	8	AVERAC PIPE WALL TH	H.B	E					REMARKS
	SEF	OD.	1.0	TION	LTH	DIA.	DIA	SPACE.	OD	WIDTH	TION LTH	DIA.	DIA.	THICKN	SPACE.	UPSET AREA.	UPSET AREA.	TOOL JOINT.	TOOL JOINT.	TOOL JOINT.	TOOL JOINT.	TOOL JOINT.	TOOL JOINT.	PLASTIC COATING.	CLEANIN	EXTERNAL CLEANING		8	§ §			PC	C2	С3	C4	
														E3											G											
31	208201	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	BOX SIDE SEAL DAMAGE REJECTED
32	208306	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ок	ОК	ок	S.D	ок	ОК	2	OK	OK	ок	OK	0.380"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
33	208098	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.382"	NA	ОК	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED
34	208067	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED
35	208250	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.378"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
36	208422	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.384"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
37	207790	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	OK	OK	OK	S.D	OK	ОК	2	OK	OK	ОК	ОК	0.378"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
38	444	6 5/8"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 5/8"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	OK	OK	ОК	S.D	ОК	ОК	2	OK	OK	ОК	OK	0.383"	NA	OK	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED
39	33333	6 5/8"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 7/8"	6 5/8"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	ОК	S.D	OK	OK	2	OK	OK	ОК	OK	0.384"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
40	D13	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 5/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.386"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
41	208002	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	OK	S.D	OK	ОК	2	OK	OK	OK	OK	0.385"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
42	207746	6 19/32"		6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.383"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
43	207930	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.383"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
44	208295	6 19/32"	3.50"	6.125"	1.25"	6 1/8"	4.312"	9" 8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK OK	OK OK	OK OK	OK OK	OK OK	S.D S.D	OK OK	ОК	2	OK OK	OK OK	ОК	OK OK	0.384"	NA 	OK OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
45	20/06/	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	<u> </u>		18/32"	<u> </u>	6 1/8"	5 5/16"		<u> </u>		<u> </u>	<u> </u>		<u> </u>					ass (P/C		<u> </u>	<u> </u>	L	NA To Bo					-	BOX SIDE SEAL DAMAGE REJECTED
A DI	REVATIONS U	UCED						IXES	uit.13	Joints	Were	round	Ullra	ссерь	TOTE F			NTATION		Dame	lge Kej				INSPECTION	/ \	I I			ATION OF I						ONLINE TRACEBILITY
	PIN COND = F		TION			TD =	THREAD	DAMAGE		Τ	T T	PS = PIT	TED SEAL		INTER	NAL PLASTIC C				ube Area		COMMINIA	KT OF DI	CILL I II L I	INOI LOTIOI				OLAGOII IO	ATION OF I	DICIEL I II I					
		LIGHT PIT				00	= SEAL D	DAMAGE					HED SEAL		1= No	loss; minor al	rasion, 2= ≤	20%, 3= >20	% AND ≤35%	1= >35%				INSPECTE		15			REMIUM CLA	SS		15				
	S.P = P/T.I.C = PIPE/TI	SEVERE P		NING			= SEAL W	THREAD			W.O		OUT THRI	EAD	Localized	Coating Loss		l surface any ube area)	linear section	of length 3				O BE RECH		N/A N/A			= CLASS II			N/A N/A				数据转变数
	P/T.I.C = PIPE/TU						= RE				ID.D.I.P		NTERNAL F	PITTING	1= N	lo loss; minor			% & <50%, 4:	≥50%				BE STRAI		N/A			CLASSA IV			N/A				
	IPC = INTER	RNAL PLAC	TIC COAT	NG.		CF	R = C	RACK				N.P=NOS	E PITTED		Magnet	ic Particle insp	ection By AC	Yoke UPSET	OR SLIP AREA	PIN, BOX		DR	ILL PIPE .	JUNK		N/A	· I									
		ROSS SECT				BS	=BOX S	WELL				B.B=BO	DY BENT			TO MPI	18" FROM BO	OX AND 36"					L PIPE US	EABLE		-						N.				
	OUIPMENT		NUMBER	CALPU	E DATE:	EOUIDA	ENT				SERIAL	NUMBER	CAL.DU	E DATE:							AL DETAIL		BATA	CH NO	EXPIRE	EDATE	-		ERSON DI			1				R INSPECTOR:
	AC YOKE		04053	14-Aı		LGUIPM		SS METER				01175		ug-24		White	Contrast	WCP-2		IVIA									i amu							
UT	THICK. METER		0750	14-Aı				KMETER				2003		ug-24							Magnaflux			0602	JUN,			_//	RAO SOL	18 / m						M.FHAID
_	DC COIL LACK LIGHT		22713	14-A		L		SITY METE				7374		ug-24		Di- 1		L-1- 7115		MA	NUFACTU	IRE	BATO	CH NO	EXPIRE	EDATE		107	MALIETE!	MON:	7/				NSPECTI	ON SUPERVISOR:
	EMI UNIT		05152269	14-Aı 15-Aı		1		GAUGE		1		594		ug-24 ug-24		DIACK	Magnetic	IIIK / FIF			Magnaflux		220	0605	JULY,	,2025	3	AS	IT TO	0	-48				WA	QAS AWAN
		GHT INTEN							290	0 μw/cm <sup>2</sup>										MA	NUFACTU	IRE	BATO	CH NO	EXPIRE	E DATE_	- 3	SIG	NATUR:	STAN	77					CLIENT:
14HI	14HF Concentarion: 0.1 to 0.4 ml/100 ml			00 ml		7HI	F Concen	tarion:				1.2 to 2.4	ml/100 ml			Fluoresce	nt Magnet	ic Ink 14H	F		Magnaflux		220	0306	MARCI	H,2025	-	1	Engineeri	ng Sercite	/				-	
14HF COncentation.																												-								





















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	18-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	24 to 25
INSPECTION METHOD									

		Visua	I Tube	٧			Visual	Connection	on		٧		MP	Connecti	ion	٧		MPI Slip	& Upset	٧		Dry		-		Din	nensional	2	٧	UT V	Wall Thickn	ess	٧				
		EN	MI1	٧			Heat	Checking			٧		•	OD Gauge	,	٧		TH.Prof	ile Gauge	٧		DI	PT	-	_			UFD O	F SLIP UPS	SET AREA			٧	ļ			
		ır		PIN DIMEN	ICION (I	NCUES	,		1		DOV DIME	ENSION (	INCHES )			MDI OF	OLID	1		I		BLACK	LINGHT.	1	1//01/4	L TUBE		1	_	1	1	ır —					
	0			PIN DINIER	NSION (I	NCHES	1				BOX DINE	-NSION (	INCHES)			MPI OF /UPSET		UT SLIF	P /UPSET		ONNECTION ECTION.	CONNE	CTION	INTE	VISUA RNAL EXTE		ITIOIN	l	ن				FINAL	CLASS			
S.NO	PIPE SERIAL .N	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . NOSE DIA	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BOX CONNEC TION LTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WALL THICKN ES	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING	P/T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING		OD GAGE	AVERAGE PIPE WALL THI	н.в	EMI	PC	C2	C3	C4	REMARKS	
46	208488	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ок	S.D	ОК	ок	2	ОК	ОК	ок	ОК	0.379"	NA	ок	<b>V</b>		-	-	BOX SIDE SEAL DAMAGE REJECTED	
47	207884	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.376"	NA	ОК	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED	
48	207804	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 5/8"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	<b>V</b>			-	BOX SIDE SEAL DAMAGE REJECTED	
49	208267	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ок	ОК	ОК	ОК	0.384"	NA	ок	√			-	BOX SIDE SEAL DAMAGE REJECTED	
50	208488	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	OK	OK	S.D	ОК	ОК	2	ОК	ОК	ОК	OK	0.377"	NA	OK	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED	
51	207797	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.165"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ок	ОК	0.379"	NA	OK	1		-	-	BOX SIDE SEAL DAMAGE REJECTED	
52	207854	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.378"	NA	OK	<b>V</b>			-	BOX SIDE SEAL DAMAGE REJECTED	
53	D10	6 19/32"		6.125"	1.62"	-	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.381"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED	
54	208755	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.382"	NA 	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED	
55	207783	6 19/32" 6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32" 6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK OK	OK OK	ОК	OK OK	OK OK	S.D	OK OK	ОК	2	OK OK	ОК	ОК	OK OK	0.381"	NA NA	ОК	1			-	BOX SIDE SEAL DAMAGE REJECTED  BOX SIDE SEAL DAMAGE REJECTED	
56	207675	6 19/32"		6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	ок	OK	ОК	S.D	OK	OK	2	OK	OK	ОК	OK	0.383"	NA NA	OK	1			-	BOX SIDE SEAL DAMAGE REJECTED	
57	208717	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	15"	OK	ОК	ОК	ОК	ОК	S.D	ОК	ок	2	ОК	ОК	ок	ОК	0.379"	NA.	ОК	V			_	BOX SIDE SEAL DAMAGE REJECTED	
58	208320	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.383"	NA	ОК	N N			-	BOX SIDE SEAL DAMAGE REJECTED	
60	208037	6 19/32"	3.50"	6.125"	1.62""	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 1/2"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.382"	NA	ОК	1			-	BOX SIDE SEAL DAMAGE REJECTED	
								•	Resul	t:15 Jo	ints V	Vere F	ound	UnAc	ceptal	ole Fron	m Bo	ж Солг	nection	Seal I	Damag	еРтеп	ium (	Class (1	P/C) (R	eady T	o Use)	.Nee	d To B	e Repai	ir.						
	VATIONS U																	ENTATION				SUMMARY OF DR		RILL PIPE	INSPECTIO	N			CLASSIFIC	ATION OF D	DRILL PIPE					ONLINE TRACEBILITY	
PIN	COND = P	IN CONDIT					= SEAL C	DAMAGE				MS = MAS	TED SEAL			IAL PLASTIC CO loss; minor ab						TOTAL DE	DII I DIDE	INSPECT	ED	15	-	DC - D	REMIUM CLA	100	1	15				(m) 22: 08 <b>2</b> (m)	
		SEVERE PI				PT =	PITTED	THREAD					OUT THRE	AD		Coating Loss 3		_						O BE REC		N/A			= CLASS II			N/A		1			
	.I.C = PIPE/TU						= SEAL W					RB = RE						tube area)						BE RECH		N/A			CLASSA III			N/A					
	I.C = PIPE/TU C = INTER				-		= RE R = C			-	ID.D.I.P		NTERNAL F	'II ſING		o loss; minor a Particle inspe					DF		NEED TO	BE STRA	IGHT	N/A N/A	1	C4 =	CLASSA IV		+	N/A					
	CSA = CR			iivo.			S =BOXS					B.B=BOI			magneti			OX AND 36"		TIN, BUX			L PIPE US			IN/A	1										
INSPECT	TION EQUIP																			TECHNIC	AL DETAIL		0					P	PERSON DI	ETAILS				н	R	EVIEW BY	
	IPMENT	OLITIFIC	NUMBER		E DATE:	EQUIPN						NUMBER	CAL.DU							M.	ANUFACTU	JRE	BAT	CH NO	EXPIR	E DATE		IN	ISPECTOR	NAME:					SENIO	R INSPECTOR:	
	AC YOKE 201504053 14-A UT THICK, METER 520750 14-A				ug-24 ug-24	╂		SS METER X METER				01175 2003	14-AL			White	Contrast	WCP-2			Magnaflux	(	22	20602	JUN	,2025		1	RAO SOL	Omo						M.FHAID	
	COIL		2713		ug-24			C FLAW DETE	CTOR			7374	14-AL							M.	ANUFACTU	JRE	BAT	CH NO	EXPIR	E DATE			CUALIFIC.	ION:	1				INSPECT	ON SUPERVISOR:	
	BLACK LIGHT 1900084 14-Aug						SITY METE	R			000134	14-AL			Black N	Magnetic	Ink 7HF			Magnaflux	,	22	0605	.1111.5					inc				V//	OAS AWAN			
EM	IUNIT		05152269	15-A	ug-24	<u> </u>	PIT	GAUGE			97	594	14-A	ıg-24							_						Kale Ro				<u> </u>			WAQAS AWAN			
UV LIGHT INTENSITY:  14HF Concentarion: 0.1 to 0.4 ml/100 ml				00 ml		7H	F Concen	ntarion:	290	D μw/cm²		1.2 to 2.4	ml/100 ml			Fluorescer	nt Magnet	tic Ink 14H	F	M.A	Magnaflux			CH NO 20306		E DATE CH,2025	- Š.	SIC	MATUR!	X STAIP						CLIENT:	
																Original -	Client I	Files	Copy -	Area Offi	ce	QC/FN/I	DP/070	Rev.00													



















CUSTOMER:	ZHONGMAN PETROLEUM ENGIN	NEERING TECHNOLOGY(HON	G KONG) CO LIMITED IRAQ	LOCATION	AW-66	RIG No:	ZPEC-25	DATE OF WORK:	22-May-24
PIPE NOMINAL OD:	5"	CONNECTION:	HT50	WEIGHT:	(19.50 lbs/ft)	GRADE:	S-135(S2)	REPORT NO:	ZPEC-25-QC-24-MAY-008
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition, Volume	e 3 / CAT-5&HT50 CONN	ECTION SHU GUANG OEM	REPORT PAGE NO:	25 to 25
INSPECTION METHOD									

1		٧	Visual Connection Heat Checking						٧		MPI Connection		√ √		MPI Slip	& Upset	٧		Dry I		-		Din	nensional	2	٧	UT V	Wall Thickn	ess	٧	Į					
EMI1 V Heat Checking  PIN DIMENSION (INCHES )									٧		- 1	DD Gauge		٧		TH.Prof	ile Gauge	٧	1	DF	PT	-				UFD O	F SLIP UPS	SET AREA			٧	ļ				
				DIN DIME	ICION (II	NOUTO					BOX DIME	NCION (	INCHES )									BLACK	INGHT.					ı		1		ı				
	0			PIN DIME	NSION (II	NCHES	<del>)</del>	1			BOX DIME	NSION (	INCHES)			MPI OF /UPSET		UT SLIF	/UPSET		ONNECTION ECTION.	CONNE	CTION	INTER	VISUAI RNAL EXTER		ITIOIN						FINAL	CLASS		
0	ωž.			PIN	PIN.		PIN.	PIN		BOX	BOX		BOX	BOX C.BORE	BOX							iii Ci	711014.		P/T			4GE	AGE THICK		_					
S.NO	PIP SERIAL	PIN OD.	PIN I.D	.CONNEC	NECK LTH	DIA.	NOSE DIA		Box OD	SHOUL	CONNEC TION LTH	DIA.	C.BORE DIA.	WALL	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.	PLASTIC COATING.	INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GA	AVERA PIPE WALL T	H.B	EM	PC	C2	СЗ	C4	REMARKS
61	D04	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.166"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ок	S.D	ОК	ОК	2	ОК	ОК	ок	ОК	0.383"	NA	ОК	V			-	BOX SIDE SEAL DAMAGE REJECTED
62	207706	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	9"	6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 3/4"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.380"	NA	ок	<b>√</b>			-	BOX SIDE SEAL DAMAGE REJECTED
63	207719	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	ОК	OK	OK	ОК	S.D	OK	ОК	2	OK	OK	ОК	OK	0.382"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
64	208016	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	ОК	ОК	ОК	OK	S.D	ОК	ОК	2	OK	OK	ОК	OK	0.383"	NA	ОК	√			-	BOX SIDE SEAL DAMAGE REJECTED
65	20200	6 19/32"	3.50"	6.125"	1.62"	6 1/8"	4.312"	8 3/4"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	OK	OK	OK	OK	OK	S.D	OK	ОК	2	OK	OK	OK	OK	0.378"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
66	203	6 19/32"		6.125"	1.62"	-		8 13/16"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 3/4"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.384"	NA	OK	1			-	BOX SIDE SEAL DAMAGE REJECTED
67	207986	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	14 1/2"	OK	OK	OK	OK	OK	S.D	OK	OK	2	OK	OK	OK	OK	0.378"	NA	OK	√			-	BOX SIDE SEAL DAMAGE REJECTED
68	208502	6 20/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 20/32"	18/32"	6.167"	6 1/8"	5 5/16"	1.875"	11 1/8"	OK OK	ОК	OK OK	ОК	OK OK	S.D	ОК	ок	2	ок	OK OK	ОК	ОК	0.383"	√ NA	OK OK	√			-	BOX SIDE SEAL DAMAGE REJECTED  BOX SIDE SEAL DAMAGE REJECTED
69	207791	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"		6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/6	OK	OK	OK	ОК	ОК	S.D	OK	OK	2	OK	OK	OK	OK	0.386"	NA NA	ОК	1			-	BOX SIDE SEAL DAMAGE REJECTED
70	208275	6 19/32"	3.50"	6.125"	1.75"	6 1/8"		-	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	14 7/8"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ОК	ОК	0.385"	NA	ОК	٧			-	BOX SIDE SEAL DAMAGE REJECTED
72	208428	6 19/32"	3.50"	6.125"	1.75"	6 1/8"	4.312"	8 7/8"	6 19/32"	18/32"	6.168"	6 1/8"	5 5/16"	1.875"	15"	ОК	ОК	ОК	ОК	ОК	S.D	ОК	ОК	2	ОК	ОК	ок	ОК	0.383"	NA	ОК	√ √			-	BOX SIDE SEAL DAMAGE REJECTED
								Res	ult:12	Toints	Were	Found	l UnA	ccepta	ble F	rom Be	ox Cor	nnecti	on Sea	Dama	ageRei	ected 1	Premi	um Cla	ass (P/C	(Rea	dv To	Use)	.Need '	To Be I	Repair.					
ABBI	REVATIONS L	USED																NTATION					MARY OF DRILL PIP		<u> </u>					ATION OF D	-					ONLINE TRACEBILITY
F	IN COND = F							DAMAGE					TED SEAL			IAL PLASTIC CO		,																		more estated
		SEVERE P					= SEAL I	THREAD			wo	MS = MAS	HED SEAL OUT THRE	ΔD		loss; minor ab Coating Loss 3								O BE REC		12 N/A	-		= CLASS II	SS		12 N/A				<b>常观频</b> 篇
F	/T.I.C = PIPE/TI			NING				VASHOUT			11.0	RB = RE		,,,,	Localized	Coating Loss 3		ube area)	iiieai secuoii	or religin 3				BE RECH		N/A			CLASSA III			N/A				200 C
_	T.I.C = PIPE/TU						= RE				ID.D.I.P		NTERNAL F	ITTING		o loss; minor a					DF			BE STRAI	IGHT	N/A		C4 =	CLASSA IV			N/A				
	CSA = CR						R = C					N.P=NOS B.B=BOI			Magneti	c Particle insp		Yoke UPSET OX AND 36" I		PIN, BOX	-		ILL PIPE .			N/A					1					
INSPE	CSA = CH			`		В	, -BUX 8	OVV ELL				D.D-BU	JI DEINI			TO MPI 4	o FRUNIBO	AND 36" I		TECHNIC	AL DETAIL		. FIPE US	EABLE				P	ERSON DE	TAILS					RI	EVIEW BY
	UIPMENT		NUMBER	CAL.DU	E DATE:	EQUIPM	IENT					NUMBER	CAL.DU	DATE:							ANUFACTU		BAT	CH NO	EXPIRI	E DATE			SPECTOR							R INSPECTOR:
_	AC YOKE 201504053 14-Aug-24					SS METER X METER				01175 2003	14-Aı			White	Contrast	WCP-2			Magnaflux		220	0602	JUN,	2025		11	RAO SOL	ALONDO.						M.FHAID		
	UT THICK. METER 520750 14-Aug-24  DC COIL SC22713 14-Aug-24				-		C FLAW DETE	CTOR	-		7374	14-AI							MA	ANUFACTU	RE	BATO	CH NO	EXPIRI	E DATE		6/-	MALIENCA	ION:	1				NSPECTI	ON SUPERVISOR:	
BL	ACK LIGHT	190	10084	14-A	ug-24		INTEN	SITY METE			16080	000134	14-A	g-24		Black I	Magnetic	Ink 7HF			Magnaflux			0605		,2025		As		STATE OF THE PARTY NAMED IN						QAS AWAN
	MIUNIT		05152269	15-A	ug-24		PIT	GAUGE	245	0/am²	97	594	14-A	g-24													-	Genname	Ka	0	01					
14HF Concentarion: 0.1 to 0.4 ml/100 ml						7H	F Concer	ntarion:	3150	0 μw/cm²		1.2 to 2.4	ml/100 ml			Fluorescei	nt Magnet	ic Ink 14H	F	MA	ANUFACTU Magnaflux			O306	MARC	H,2025	-3.	SIC	NATUR'	STAIR	7					CLIENT:
			7HF Concentarion:							1.2 to 2.4 ml/100 ml			Original - Client Files					Area Offi	ice	OC/FN/I	D/070	Rev.00	<u> </u>				reen		_	<u> </u>						

















