



5"DRILL PIPE INSPECTION REPORT

Al Takamul Company For Engineering Testing And Professional Safety Limted



Submitted To: DQ-37 / RU-610

















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





Al Takamul Company For Engineering Testing And Professional Safety Limted

Custumer	DAQING DRILLING	Date Of Service	16.APR.2024
Location	RU-610	References	DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM

First of all we would like to thank the rig crew for their adequate, proper, instant assistance given to Q.C TAKAMUL COMPANY during the inspection & thorough examination period. To achieve the job as perfect as it should be, as well we wish that our crew did the job as efficiently as it should be.

Procedure

Inspection is applied for (CAT-5) No's (38) of Joints 5" Drill Pipe Grade S2(S-135) Connection (NC50) weight (19.50 lbs/ft)

These Procedures Done On All Pipes As Below.

- * Visual Connection
- *Dimensional -2
- *Blacklight Connection
- *Heat Checking
- *Visual Tube
- * OD Gage
- * EMI

* External Cleaning By Using Power Full Buff

* MPI Slip/Upset

* UFD Slip/Upset

* UT Wall Thickness

* Internal Cleaning

Result

- (38) No's Joints 5" OD DRILL PIPE Grade S2 S-135 Weight 19.50 lbs/ft With (NC50) Total Inspected As Per (DS-1) Standards.
- 36 Joints Were Found Acceptable Premium Class (P/C)
- 2 Joints Were Found Un-Acceptable Rejected.

REJECTION DETAILS FROM PIN & BOX CONNECTION

- 2 Joints Were Found Un-Acceptable From Box Side Thread&Seal Damage (Rejected)
- NIL Joints Were Found Un-Acceptable From Pin Side Thread&Seal Damage&Galled&Pitted Thread (Rejected)
- NIL Joints Were Found Un-Acceptable From Pin&Box Side Seal&Thread Damage (Rejected)



















* Complete Inspection Of Drill Pipe In Accordance With DS-1 Fifth Edition, Volume 3 /NC50 CONNECTION OEM





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



Heat Checking

Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

UFD OF SLIP UPSET AREA

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

CUSTOMER:	DA	QING DRILLING		LOCATION	RU-610	RIG No:	DQ-37	DATE OF WORK:	16-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-135(S2)	REPORT NO:	DQ-37-QC-24-APR-001
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition	n, Volume 3 /NC50 CC	NNECTION OEM	REPORT PAGE NO:	1 to 4
INSPECTION METHOD				•					
Visua	Il Tube V Visual Connec	tion V	MPI Connection √	MPI Slip & Upset	√ Dry MPI	-	Dimensional 2 √	UT Wall Thickness V	-

TH.Profile Gauge

	_			PIN DIMEN	SION (II	NCHES)	1		BOX DIME	ENSION (INCHES)	ı		MPI OF		UT SLIF	/UPSET	CONNE		CONNE	CTION	INTER	VISUA	L TUBE	ITIOIN					_	NAL CL	400		
	N.			PIN								201		2011	70F3E1	ANLA			INSPE	CTION	INSPEC	TION	IIII		CHAL COILD	lilone	JGE	필밀		_	F	NAL CL	ASS		
S.NO	PIPE	PIN OD.	PIN I.D	CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . SEALWI DTH	TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	TOOL I	NTERNAL PLASTIC COATING.	P /T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GA	AVERA PIPE WALL TI	H.B	EM	PC	C2	C3	C4	REMARKS
1	333212	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 3/16"	ОК	ок	1	ок	ОК	ОК	ОК	0.380"	V	ок	V			-	Acceptable						
2	333564	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ок	1	ОК	ОК	ОК	ОК	0.381"	V	ОК	√			-	Acceptable						
3	333401	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	1	ОК	ОК	ОК	ОК	0.384"	√	OK	V			-	Acceptable						
4	333188	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	1	ОК	ОК	ОК	ОК	0.383"	√	ОК	V			-	Acceptable						
5	333229	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ок	1	ОК	ОК	ОК	OK	0.374"	√	ОК	√			-	Acceptable						
6	333277	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	ОК	ОК	OK	ок	1	ОК	ОК	ОК	OK	0.386"	√	ОК	√			-	Acceptable
7	333581	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/8"	OK	OK	OK	ОК	ОК	ОК	OK	ОК	1	OK	OK	OK	ОК	0.380"	√	OK	V			-	Acceptable
8	333519	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	OK	ОК	1	ОК	OK	OK	OK	0.379"	√	OK	√			-	Acceptable
9	333189	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	OK	OK	OK	ОК	ОК	ОК	OK	ОК	1	OK	OK	OK	ОК	0.378"	√	OK	V			-	Acceptable
10	333555	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	OK	OK	ОК	OK	ОК	1	ОК	OK	OK	ОК	0.390"	√	OK	V			-	Acceptable
11	333418	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	OK	OK	ОК	OK	ОК	1	ОК	OK	OK	ОК	0.383"	√	OK	V			-	Acceptable
12	333364	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	OK	ОК	1	ОК	OK	OK	OK	0.386"	√	OK	√			-	Acceptable
13	333466	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	OK	OK	ОК	ОК	ОК	1	ОК	OK	OK	OK	0.381"	√	OK	V			-	Acceptable
14	333547	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	OK	OK	OK	OK	ОК	ОК	OK	ОК	1	ОК	OK	OK	OK	0.382"	√	OK	√			-	Acceptable
15	333541	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	OK	ОК	ОК	ОК	ОК	1	ОК	OK	OK	OK	0.378"	√	OK	V			-	Acceptable

15 333541	5 20/32" 2 3/4"	4 1/2" 1/2"	6 2/32" 13/32" 10 3/4"	6 20/32"	18/3	2" 6 2/32"	5 10 /32" 20	/32" 10 1/	16"	OK OF		OK C	OK C)K	OK	OK	OK	1	OK	OK	OK	OK	0.378"	√	()K	√	 	-		Acce	ptable	
						Resu	lt:11 Join	ts Wei	e Fo	und Acc	epta	ble Fro	m Pin	& Bo	x Side	es Pre	mium	Class ((P/C) (Ready	To Us	e).											
ABBREVATIONS US	ED									REPR	ESENTA	ATIONS				SUMMAR	RY OF DRI	LL PIPE IN	ISPECTIO	N		C	LASSIFIC	ATION OF	DRILL	PIPE				ONLINE	TRACEBIL	ITY	
PIN COND = PIN	CONDITION		TD = THREAD DAMA	GE		PS = F	PITTED SEAL	IN	TERNAL P	PLASTIC COATING	(IPC): Ove	erall Coating L	oss in Tube Ar	ea																			
L.P = Lit	GHT PITTING		SD = SEAL DAMAG	E		MS = MA	ASHED SEAL	1	= No loss;	minor abrasion,	2= ≤20%,	, 3= >20% ANE	0 ≤35% 4= >35	6				NSPECTED		15		PC = PRE	MIUM CL	SS			15	ı		甲烷	从规模	4	
S.P = SE	VERE PITTING		PT = PITTED THREA	AD		W.O.T = WO	RN OUT THREA	Loca	lized Coati	ting Loss 360° (Inte			section of len	gth 3	DI	RILL PIPE	NEED TO	BE RECU	IT	NIL		C2 =	CLASS II				NIL	ı		- P. 14	20 T		
P/T.I.C = PIPE/TUB	E INTERNAL CLEAN	ING	SWO = SEAL WASHO				RE BEVEL			fee	et in tube a	area)						BE RECHA		NIL		C3 = 1	CLASSA II				NIL	ı		12.3	2000	2	
P/T.I.C = PIPE/TUBI	E EXTERNAL CLEAN	IING	RF = RE FACINO	3		ID.D.I.P=ID DEEI		ING	1= No los:	s; minor abrasion	ı, 2= >25%	%, 3= >25% & <	50%, 4= ≥50%		DRI	ILL PIPE N	IEED TO E	BE STRAIG	SHT	NIL		C4 = C	LASSA IV				NIL	ı		150		7	
IPC = INTERNA	AL PLACTIC COATIN	G.	CR = CRACK			N.P=NO	OSE PITTED	Ma	gnetic Par	rticle inspection B	y AC Yoke	e UPSET OR SL	IP AREA PIN, I	ОХ		DRI	LL PIPE JI	JNK		NIL								ı		11/4	A6.47	ę,	
CSA = CROS	SS SECTION AREA		BS =BOX SWELL		B.B=B	ODY BENT			TO MPI 48" FROI	M BOX A	ND 36" FROM	PIN			DRILL	PIPE USE	ABLE		15											N. ROP-LIN	0		
INSPECTION EQUIPM												TEC	INICAL	. DETAILS	3							RSON D							REVIEW BY				
						SERIAL NUMBER								MANU	UFACTU	RE	BATC	H NO	EXPIRE	DATE		INS	PECTOR	NAME:		_1			SENIC	OR INSPEC	TOR:		
AC YOKE	201504053	14-Aug-24	GAUSS MET			14001175	14-Aug-2			White Contra	ast WCF	P-2		M	1agnaflux		220	602	JUN.	2025		/	RADISO	diCo.						M.FHAID			
UT THICK. METER	520750	14-Aug-24	LUX METE	R		2722003	14-Aug-2								9									30									
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW D			1017374	14-Aug-2							MANU	UFACTUE	RE	BATC	H NO	EXPIRE	DATE		// Q	ALIFIC	ON:	2//				INSPECT	TION SUPE	RVISOR:		
BLACK LIGHT	1900084	14-Aug-24	INTENSITY ME	TER		1608000134	14-Aug-2			Black Magne	tic Ink 7	7HF		M	1agnaflux		220	805	IIII V	,2025		10000	- (ACET TO						WAQAS			
EMI UNIT	TSEZW05152269	14-Aug-2								ŭ						2	41.70	10	49	5-8													
UV LIGH	T INTENSITY:	2950 μw/							MANU	UFACTUE	RE	BATC	H NO	EXPIRE	DATE	3	SIG	AITH	3-1 mm						CLIENT:								
14HF Concentarion:	0.1 to 0.4 ml/100	D ml	7HF Concentarion:		Flu	orescent Mag	jnetic In	nk 14HF		Ma	Magnaflux		220	306	MARC	H,2025	732	1/2	Enginee	ing Service													
									Or	iginal - Clier	at Files	s C	opy - Area	Office		QC/FN/D	P/070	Rev.00															











MPI Connection OD Gauge







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



Visual Connection

Heat Checking

Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

Dimensional 2 V UT Wall Thickness

UFD OF SLIP UPSET AREA

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

CUSTOMER:	DA	QING DRILLING		LOCATION	RU-610	RIG No:	DQ-37	DATE OF WORK:	16-Apr-24
PIPE NOMINAL OD:	5"	CONNECTION:	NC50	WEIGHT:	(19.50 lbs/ft)	GRADE:	G-135(S2)	REPORT NO:	DQ-37-QC-24-APR-001
TYPE OF INSPECTION:	CATEGORY-5	NOMINAL WALL THICK:	0.362"	STANDARD:	DS-1 Fifth Edition	n, Volume 3 /NC50 CO	NNECTION OEM	REPORT PAGE NO:	2 to 4
INSPECTION METHOD				•					

MPI Slip & Upset

√

TH.Profile Gauge

_		PIN DIMENSION (INCHES) BOX DIMENSION (INCHES) MPI OF SLIP VISUAL BEAGR LINGHI. VISUAL TUBE																																	
		<u> </u>		PIN DIMEN	ISION (II	NCHES)			BOX DIM	ENSION (INCHES	1		MPI OF		UT SLII	/UPSET	CONNE		CONNE		INTER		L TUBE RNAL COND	UTIOIN					_				
	 9.			PIN											/UPSET	AREA			INSPE	CTION	INSPEC	TION	INTER		RNAL COND	IIIOIN	ig.	RAGE PE LTHIC.		_	F	INAL CL	ASS		
S.NO	PIPE	PIN OD.	PIN I.D	.CONNEC	PIN . NECK	BEVEL DIA.	SEALWI DTH	TONG SPACE.	Box OD	BOX SHOUL	BEVEL DIA.	BOX C.BORE	BOX C.BORE WIDTH	TONG SPACE.	PIN UPSET	BOX UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	INTERNAL PLASTIC	INTERNAL	P/T EXTERNAL	BODY	OD G/	AVERA PIPI MALL	H.B	Ē					REMARKS
	S			LTH	LTH		рін	SPACE.		WIDTH		DIA.	WIDTH	SPACE.	AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	CLEANIN G	CLEANING	ON.	0	A X			PC	C2	C3	C4	
16	333296	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	OK	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ОК	0.397"	V	ОК	V			-	Acceptable
17	333406	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	OK	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ОК	0.377"	V	ОК	V			-	Acceptable
18	333415	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	OK	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ОК	0.384"	V	ОК	V			-	Acceptable
19	333344	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	1	ОК	ОК	OK	ОК	0.387"	V	OK	√			-	Acceptable
20	333561	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.390"	V	ОК	√			-	Acceptable
21	333184	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.394"	V	ОК	√			-	Acceptable
22	333240	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ок	ОК	ок	1	ок	ок	ОК	ОК	0.386"	V	ОК	√			-	Acceptable
23	333497	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.384"	V	ОК	V			-	Acceptable
24	333407	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ок	ОК	ок	1	ок	ок	ОК	ОК	0.389"	V	ОК	√			-	Acceptable
25	333584	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.380"	√	ОК	√			-	Acceptable
26	333346	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.375"	V	ОК	√			-	Acceptable
27	333509	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.394"	V	ОК	√			-	Acceptable
28	333453	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.381"	V	ОК	√			-	Acceptable
29	333472	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	OK	OK	ОК	OK	ок	1	ОК	ок	OK	ОК	0.389"	√	ОК	√			-	Acceptable
30	333444	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ок	1	ОК	ок	ОК	ОК	0.380"	V	ОК	√			-	Acceptable

30 333444 6 20/32" 2 3/4" 4 1/2" 1/2" 6 2/32" 13/32" 10 3/4" 6 20/32" 18/32" 6 2/32" 5 10 /32" 20/32"	10 1/16" OK OK OK OK	OK OK OK 1 OK OK	OK OK 0.380" √ OK √	Acceptable
Result:11 Joints	Were Found Acceptable From Pin & l	Box Sides Premium Class (P/C) (Ready		
ABBREVATIONS USED	REPRESENTATIONS	SUMMARY OF DRILL PIPE INSPECTION	CLASSIFICATION OF DRILL PIPE	ONLINE TRACEBILITY
PIN COND = PIN CONDITION TD = THREAD DAMAGE PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			ET WOOT-VET
L.P = LIGHT PITTING SD = SEAL DAMAGE MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%	TOTAL DRILL PIPE INSPECTED 15	PC = PREMIUM CLASS 15	电影影影 画
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 PIPE NEED TO BE RECUT NIL	C2 = CLASS II NIL	(表)的 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
P/T.I.C = PIPE/TUBE INTERNAL CLEANING SWO = SEAL WASHOUT RB = RE BEVEL	feet in tube area)	DRILL PIPE NEED TO BE RECHASE NIL	C3 = CLASSA III NIL	12 6 7 7 6 6
P/T.I.C = PIPE/TUBE EXTERNAL CLEANING RF = RE FACING ID.D.I.P=ID DEEP INTERNAL PITTING	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= ≥50%	DRILL PIPE NEED TO BE STRAIGHT NIL	C4 = CLASSA IV NIL	190000967
IPC = INTERNAL PLACTIC COATING. CR = CRACK N.P=NOSE PITTED	Magnetic Particle inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX	DRILL PIPE JUNK NIL		
CSA = CROSS SECTION AREA BS =BOX SWELL B.B=BODY BENT	TO MPI 48" FROM BOX AND 36" FROM PIN	DRILL PIPE USEABLE 15		[E17867.884162]
INSPECTION EQUIPMENT DETAILS	TECHNIC	AL DETAILS	PERSON DETAILS	REVIEW BY
EQUIPMENT SERIAL NUMBER CAL.DUE DATE: EQUIPMENT SERIAL NUMBER CAL.DUE DATE:	M.	ANUFACTURE 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	RAD SOHAIL OA	M.FHAID
UT THICK. METER 520750 14-Aug-24 LUX METER 2722003 14-Aug-24		Magnanux 220002 3014,2025		WITTALD
DC COIL SC22713 14-Aug-24 ULTRASONIC FLAW DETECTOR 1017374 14-Aug-24		ANUFACTURE BATCH NO EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:
BLACK LIGHT 1900084 14-Aug-24 INTENSITY METER 1608000134 14-Aug-24	Black Magnetic Ink 7HF	Magnaflux 220605 JULY,2025	NOT MAKE IT	WAQAS
EMI UNIT TSEZW05152269 15-Aug-24 PIT GAUGE 97594 14-Aug-24		Wagnanux 220005 JOL1,2025	SIGNATURE	WAQAS
UV LIGHT INTENSITY: 2950 μw/cm²	M.	ANUFACTURE BATCH NO EXPIRE DATE	DIG ATORE & STATE	CLIENT:
1.1 to 1.4 ml/100 ml	Fluorescent Magnetic Ink 14HF	Magnaflux 220306 MARCH,2025	A Control of the Cont	
	Original - Client Files Copy - Area Off	ice QC/FN/DP/070 Rev.00		











MPI Connection

OD Gauge











Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

CUSTOMER:				DA	QING I	RILLING	ſ		LOCATION	RU-610		RIG No:	DQ-37	DATE OF W	VORK:	16-Apr-24
PIPE NOMINAL C	OD:		5"		CON	NECTION:	NC50		WEIGHT:	(19.50 lbs/ft)		GRADE:	G-135(S2)	REPORT	NO:	DQ-37-QC-24-APR-001
TYPE OF INSPECT	TION:		CATEGO	RY-5	NOMINAL	WALL THICK:	0.362"		STANDARD:	DS	1 Fifth Edition,	Volume 3 /NC50	CONNECTION OEM	REPORT PA	GE NO:	3 to 4
INSPECTION MET	HOD			,												
'	Visual Tube	٧		Visual Connect	ion	٧	MPI Connection	٧	MPI Slip & Upset	v D	ry MPI	-	Dimensional 2 √	UT Wall Thickness	٧	1
	EMI	٧		Heat Checkin	g	V	OD Gauge	٧	TH.Profile Gauge	√	DPT	-	UFD OF SLIP UP	SET AREA	٧	· ·

				PIN DIMEN	ISION (I	NCHES)			BOX DIM	ENSION (INCHES)			MPI OF		UT SLI	P /UPSET		ECTION	CONNE				L TUBE										
	9														/UPSET	AREA				CTION	INSPEC		INTER	RNAL EXTE	RNAL CONE	DITIOIN	щ	₩ 5				FINA	L CLASS		
S.NO	PIPE SERIAL	PIN OD.	PIN I.D	PIN .CONNEC TION LTH	PIN . NECK LTH	BEVEL DIA.	PIN . SEALWI DTH	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P /T INTERNAL CLEANIN G	P/T EXTERNAL CLEANING	BODY CONDITI ON.	OD GAG	AVERAGE PIPE WALL THIC	н.в	EMI	PC	C2	C3	C4	REMARKS
31	333169	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ок	0.386"	√	ОК	√		-	-	Acceptable
32	333291	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ок	0.402"	√	ОК	√		-	-	Acceptable
33	333356	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ок	0.393"	√	ОК	√		-	-	Acceptable
34	333578	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	1	ОК	ОК	ОК	ок	0.387"	√	ОК	√		-	-	Acceptable
35	333220	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ок	1	ок	ОК	ОК	ОК	0.381"	√	ОК	V		-	-	Acceptable							
36	333271	6 20/32"	2 3/4"	4 1/2"	1/2"	6 2/32"	13/32"	10 3/4"	6 20/32"	18/32"	6 2/32"	5 10 /32"	20/32"	10 1/16"	ОК	1	ОК	ОК	ОК	ОК	0.380"	√	ОК	V		-	-	Acceptable							
																		,					,												
-																																			
											Resul	t:06 To	oints ³	Were I	ound.	Accep	table	From F	in & I	Box Sid	es Pre	mium	Class	(P/C) (Ready	To Us	e).								

				Resul	t:06 Joints	Were Four	nd Accep	ptable From Pin	a & Box	x Sides Pre	mium Class	(P/C) (Ready	To Use)									
ABBREVATIONS US	SED						REPRESE	ENTATIONS		SUMMAR	RY OF DRILL PIPE I	NSPECTIO	N		CLASS	IFICATION	OF DRI	ILL PIPE			ONLI	IE TRACEBILI	ΓY
PIN COND = PI	N CONDITION		TD = THREAD DAMAGE	PS = PI	TTED SEAL	INTERNAL PLAS	STIC COATING (IPC	C): Overall Coating Loss in Tube A	Area														1
L.P = L	LIGHT PITTING		SD = SEAL DAMAGE	MS = MAS	SHED SEAL	1= No loss; min	nor abrasion, 2= S	≤20%, 3= >20% AND ≤35% 4= >3	35%		ILL PIPE INSPECTE		6	PC	= PREMIUN	CLASS			6			80%39%	
S.P = S	SEVERE PITTING		PT = PITTED THREAD	W.O.T = WOR	N OUT THREAD	Localized Coating I		al surface any linear section of le	ength 3		NEED TO BE RECU		NIL		C2 = CLAS	iS II			NIL		浸	(學)是一定	
	BE INTERNAL CLEAN		SWO = SEAL WASHOUT		RE BEVEL		feet in t	tube area)			NEED TO BE RECHA		NIL		C3 = CLAS	SA III			NIL		道	\$2.55 A.S	
P/T.I.C = PIPE/TUI	BE EXTERNAL CLEAN	ING	RF = RE FACING	ID.D.I.P=ID DEEP	INTERNAL PITTING	1= No loss; m	ninor abrasion, 2=	:>25%, 3=>25% & <50%, 4=≥50	1%	DRILL PIPE N	NEED TO BE STRAIG	SHT	NIL		C4 = CLASS	A IV			NIL		15		
IPC = INTERN	NAL PLACTIC COATIN	G.	CR = CRACK	N.P=NO	SE PITTED	Magnetic Particle	e inspection By AC	C Yoke UPSET OR SLIP AREA PIN,	, вох	DRI	LL PIPE JUNK		NIL								ĺπί		
CSA = CRO	OSS SECTION AREA		BS =BOX SWELL	B.B=BC	DDY BENT	TO	MPI 48" FROM BO	OX AND 36" FROM PIN			. PIPE USEABLE		6									MIN. 1997-1973	
INSPECTION EQUIPM							TEC	CHNICAL D	DETAILS						N DETAILS					REVIEW	BY		
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE:				MANU	UFACTURE	BATCH NO	EXPIR	E DATE		INSPEC	TOR NAME	:			S	ENIOR INSP	ECTOR:	
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	w	hite Contrast	WCP-2	Ma	lagnaflux	220602	ILIN	.2025		840	SCHAIL					M FHAI	1	
UT THICK. METER	520750	14-Aug-24	LUXMETER	2722003	14-Aug-24								,				3011						
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24				MANU	UFACTURE	BATCH NO	EXPIRI	E DATE		// QUALI	CATON:	1151			INSI	ECTION SU	PERVISOR:	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Bla	ack Magnetic	Ink 7HF	Ma	lagnaflux	220605	IIII V	(,2025	- 1		THOM	The same	\$			WAQA	8	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24										SIGNATO	1019		S C					
UV LIG	HT INTENSITY:	2950 μw	/cm²						MANU	UFACTURE	BATCH NO	EXPIRI	E DATE		DIG AIL	12 2 2					CLIEN	Т:	
14HF Concentarion:	0.1 to 0.4 ml/100	0 ml	7HF Concentarion:	1.1 to 1.4 ml/100 m	ıl	Fluore	escent Magnet	tic Ink 14HF	Ma	lagnaflux	220306	MARC	H,2025	78	1 87	Derving Se							
						Origi	nal - Client	Files Copy - Are	ea Office	QC/FN/E	P/070 Rev.00												





















Al Takamul CompanyFor Engineering Testing And Professional Safety Limited

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

	CUSTOMER	₹:						DA	QING	DRILI	ING							ATION		RU-				G No:		DQ-3					DATE O	F WORK:			16-Apr-24
PII	E NOMINAL	OD:			5					NNECTION:				NC50			WEI	GHT:		(19.50	lhs/ft)		GR	ADE:		G-135	(S2)				REPO	RT NO:			DQ-37-QC-24-APR-001
	E OF INSPEC				CATEG					AL WALL TH	CK:			0.362"			STAN			(13.30		ifth Edition			NNECTION		(02)			F		PAGE NO			4 to 4
	CTION ME	-																					,												7.07
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			al Tube Mi	٧				al Connec		V	-		Connec		√ √			& Upset		1	Dry DI		-		Dim	ensional 2		V F SLIP UPS	-	Wall Thic	kness	√ √	+		
			IVII	٧	ļ		пе	at Checkir	ig	٧			JD Gaug	je	V		IH.Pron	lie Gauge	٧]	Di	-1	-	_			UPD OF	SLIP UP	SEI AREA	•		V	_		
		T .		PIN DIMEN	ISION (I	NCHES	١			BOX DIM	ENSION (INCHES)			MPI OI	SLIP			VISUAL CO	NNECTION		LINGHI.		VISIIA	L TUBE			l .	1	1	1				
	9				ì										/UPSET	AREA	UT SLIP	/UPSET	INSPE	CTION.	INSPE	CTION	INTER	RNAL EXTE	RNAL COND	ITIOIN	ш	ய ப்				FINA	CLASS		
9		PIN	PIN	PIN .CONNEC	PIN .	BEVEL	PIN.	PIN	Box	BOX	BEVEL	BOX	вох	BOX		BOX						BOX		P/T		BODY	GAGE	AVERAGE PIPE WALL THIC	н.в	E					
o,	PIPE SERIAL	OD.	I.D	TION	NECK LTH	DIA.	SEALWI DTH	TONG SPACE.	OD	SHOUL	DIA.	C.BORE DIA.	C.BORE	TONG SPACE.	PIN UPSET	UPSET	PIN TOOL	BOX TOOL	PIN TOOL	BOX TOOL	PIN TOOL	TOOL	INTERNAL PLASTIC	INTERNAL	P/T EXTERNAL	CONDITI	OD (AL ME	5	ш					REMARKS
	Ø			LTH	2			OI / IOL		***************************************		Dir.	*********	OI NOL.	AREA.	AREA.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	JOINT.	COATING.	G	CLEANING	ON.	"	\ S			PC	C2	C3	C4	
																							_						1	<u> </u>	+				
1	333169	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 7/8"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 7/8"	OK	OK	OK	OK	OK	T&S.D	OK	OK	2	OK	OK	OK	OK	0.390"	-	OK	√			-	BOX SIDE THREAD&SEAL DAMAGE REJECTED
2	333291	6 18/32"	2 3/4"	4 7/16"	1/2"	6 2/32"	13/32"	8 13/16"	6 18/32"	18/32"	6 2/32"	5 10 /32"	20/32"	11 1/2"	ок	OK	OK	OK	OK	T&S.D	OK	OK	2	OK	OK	OK	OK	0.389"	_	OK	√	١		-	BOX SIDE THREAD&SEAL DAMAGE REJECTED
																																		T	
																					_														
-																																			
											Rest	lt:02	oints	Were	Found	UnA	ccepta	ble Fr	om Bo	x Con	nectio	n Thre	ead&S	eal Dar	nage R	ejected	1.								
	EVATIONS L																NTATION				SUMMA	RY OF DE	RILL PIPE	INSPECTIO	N		(CLASSIFIC	CATION OF	F DRILL PI	PE				ONLINE TRACEBILITY
Pi	N COND = P	LIGHT PIT						AD DAMAG				TTED SEA SHED SEA						ating Loss in T % AND ≤35%			TOTAL DE	DII I DIDE	INSPECTI	ED	2		DC - DD	REMIUM CLA	224		2		4		
		SEVERE P						ED THREAD		v	MS = MA V.O.T = WOR							% AND \$35% linear section			ORILL PIPI	E NEED T	O BE REC	UT	NIL	-		= CLASS II			NIL		1		
	T.I.C = PIPE/TI							L WASHOUT				RE BEVEL					ube area)						BE RECH		2			CLASSA III			NIL				
	r.i.c = PIPE/TU PC = INTER						CR =	CRACK		ID.D	I.P=ID DEEP	SE PITTED						% & <50%, 4 OR SLIP ARE		DF		NEED TO	BE STRAI	IGHT	NIL NIL		C4 =	CLASSA IV			NIL		-		100 BE 100 B
	CSA = CR							X SWELL				DDY BENT		····ug.ieti			X AND 36" F		, 500			L PIPE US			-								1		
	TION EQUIP		NUMBER			1				lace-									TECHNICA			877		EVE:-				ERSON DE							REVIEW BY
	JIPMENT C YOKE		04053	CAL.DU		EQUIPM		AUSS METE	R		AL NUMBER 4001175	14-Au		1	White	Contrast 1	WCP-2			NUFACTU			CH NO		E DATE		íN:	SPECTOR						SENIC	OR INSPECTOR:
UT TH	ICK. METER	520	0750	14-A	ıg-24		L	UXMETER		2	722003	14-Aı	ig-24							Magnaflux			0602		1,2025		_//	RADISOL	20						M.FHAID
	C COIL CK LIGHT		22713	14-Aı 14-Aı				ONIC FLAW DE			017374 08000134	14-Au 14-Au			Plach	Magnetic I	nk 7UE		MA	NUFACTL	JRE	BAT	CH NO	EXPIR	E DATE		7/ 0	MALIF C	OF RESIDENCE	21	-				TION SUPERVISOR:
	MI UNIT		05152269	14-A		+		PIT GAUGE	LIN		97594	14-AL		1	BIACK	wagnetic i	IIIK / FIF			Magnaflux	(22	0605	JULY	Y,2025	2	477		ug I	0.00					WAQAS
		SHT INTEN			2950 μw/	m²													M.A	NUFACTU	JRE	BAT	CH NO	EXPIR	E DATE	- 2	SIG	AIL							CLIENT:



0.1 to 0.4 ml/100 ml



7HF Concentarion:



.1 to 1.4 ml/100 ml







Fluorescent Magnetic Ink 14HF





MARCH,2025