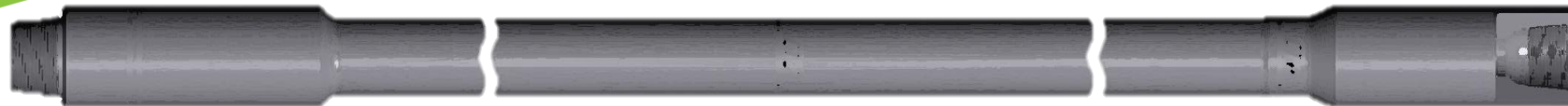




QUALITY CONTROL

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



3 1/2" DRILL PIPE INSPECTION REPORT

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



ONLINE TRACEABILITY

Submitted To: Hilong Oil Services & Engineering / Rig: HL-99



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



00964 7810009138



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



Iraq, Basra, Norh Rumaila

Customer	HILONG 99	Date Of Service	FROM 20-MAY-2024 TO 24-MAY-2024
Location	Aberdeen Technical Services - Yard	References	DS-1 Fifth Edition, Volume 3 /CAT-4

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-4) No's (410) of Joints 3 1/2" Drill Pipe Grade G2(G-105) With (NC 38) Connection weight (13.30lbs/ft)

These Procedures Done On All Pipes As Below.

- * Visual Connection
- * Dimensional -2
- * Internal Cleaning
- * Re Doped
- * Visual Tube
- * OD Gage
- * EMI1
- * Complete Inspection Of Drill Pipe Inspection Accordance With DS-1 Fifth Edition Volume 3 /CAT-4
- * MPI Slip/Upset
- * UT Wall Thickness
- * External Cleaning By Using Power Full Buff

Result

- *** (410) No's Joints 3 1/2" OD Drill Pipe Grade G-105 Weight 13.30 lbs/ft With (NC 38) Connection Total Inspected As Per (DS-1) Standards.
- *** 410 Joints Were Found Acceptable Premium Class (P/C)
- *** - Joints Were Found Un-Acceptable Rejected.

REJECTION DETAILS FROM PIN & BOX CONNECTION

- *** - Joints Were Found Un-Acceptable From Box Side (Rejected)
- *** - Joints Were Found Un-Acceptable From Pin Side (Rejected)
- *** - Joints Were Found Un-Acceptable From Pin&Box Side (Rejected)



ONLINE TRACEABILITY



Corporate
Partner



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

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	01 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN. NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.					PC	C2	C3	C4	
1	HL364	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.388"	PRESENT	OK	✓	..	-	-	Acceptable
2	HL99-006	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	-	-	Acceptable
3	HL-239	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.452"	PRESENT	OK	✓	..	-	-	Acceptable
4	HL99-009	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	-	-	Acceptable
5	HL99-04	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.430"	PRESENT	OK	✓	..	-	-	Acceptable
6	HL-125	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	-	-	Acceptable
7	HL-141	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.457"	PRESENT	OK	✓	..	-	-	Acceptable
8	HL99-017	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	-	-	Acceptable
9	HL370	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.388"	PRESENT	OK	✓	..	-	-	Acceptable
10	HL-407	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	-	-	Acceptable
11	HL24-9	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	-	-	Acceptable
12	HL-123	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	-	-	Acceptable
13	HL99-022	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	-	-	Acceptable
14	HL-327	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	-	-	Acceptable
15	HL-34	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	-	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%											
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL				DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT				DRILL PIPE USEABLE		15							
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:			SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN,2025	Hasan Omran							
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:			INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24		Magnaflux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP			CLIENT:				
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnaflux	220306	MARCH,2025								
UV LIGHT INTENSITY:		2850 µw/cm²				Fluorescent Magnetic Ink 14HF											
14HF Concentration:	0.1 to 0.4 ml/100 ml		7HF Concentration:	1.1 to 1.4 ml/100 ml													
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Original - Client Files Copy - Area Office QC/FN/DP/070 Rev.00

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL-99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.366"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	02 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			-

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP UPSET		CONNECTION INSPECTION		CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD	PIN ID	PIN CONN CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BOR DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE	PIN UPSET AREA	BOX UPSET AREA	PIN TOOL JOINT	BOX TOOL JOINT	PIN TOOL JOINT	BOX TOOL JOINT	PIN TOOL JOINT	BOX TOOL JOINT	INTERNAL PLASTIC COATING	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION					PC	C2	C3	C4	
16	HL-225	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.352"	PRESENT	OK	✓	..	..	-	Acceptable
17	HL-366	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	OK	✓	..	..	-	Acceptable
18	HL-297	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.452"	PRESENT	OK	✓	..	..	-	Acceptable
19	HL-260	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	..	-	Acceptable
20	HL-399	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	.365"	PRESENT	OK	✓	..	..	-	Acceptable
21	HL-159	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
22	HL-112	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.395"	PRESENT	OK	✓	..	..	-	Acceptable
23	HL-165	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359	PRESENT	OK	✓	..	..	-	Acceptable
24	HL24-16	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
25	HL-215	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.351"	PRESENT	OK	✓	..	..	-	Acceptable
26	HL-111	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	Acceptable
27	HL-355	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.364"	PRESENT	OK	✓	..	..	-	Acceptable
28	HL-360	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.352"	PRESENT	OK	✓	..	..	-	Acceptable
29	HL-106	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	Acceptable
30	HL-290	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.370"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED				15		PC = PREMIUM CLASS		15					
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT				N/A		C2 = CLASS II		N/A					
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° Internal surface any linear section of length 3 feet in tube area			DRILL PIPE NEED TO BE RECHASE				N/A		C3 = CLASSA III		N/A					
PIT/LC = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL	1= No loss; minor abrasion, 2= <25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT				N/A		C4 = CLASSA IV		N/A					
PIT/LC = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P=ID DEEP INTERNAL PITTING	Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK				N/A									
IPC = INTERNAL PLASTIC COATING.	CR = CRACK	ID.WO= ID WASHOUT	TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE				15									
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.B=BODY BENT																	
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW & SIGNATURE					
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:							
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnafux	220602	JUN,2025	Hasan Omran								
UT THICK. METER	820750	14-Aug-24	LUX METER	2722003	14-Aug-24														
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	8717374	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			Magnafux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT								
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24														
UV LIGHT INTENSITY:						2850 μW/cm²		MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:					
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF		Magnafux	220306	MARCH,2025							
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	03 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN. NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITI ON.	PC	C2					C3	C4				
31	HL-120	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	-	Acceptable
32	HL-322	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	-	Acceptable
33	HL-244	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.401"	PRESENT	OK	✓	..	..	-	-	Acceptable
34	HL-261	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	-	Acceptable
35	HL-92	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	-	Acceptable
36	HL24-22	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	-	Acceptable
37	HL-377	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.360"	PRESENT	OK	✓	..	..	-	-	Acceptable
38	HL-395	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	-	Acceptable
39	HL24-25	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	-	Acceptable
40	HL-242	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.379"	PRESENT	OK	✓	..	..	-	-	Acceptable
41	HL-210	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	-	Acceptable
42	HL24-36	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	-	Acceptable
43	HL24-39	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	-	Acceptable
44	HL-87	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.355"	PRESENT	OK	✓	..	..	-	-	Acceptable
45	HL24-55	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.387"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		15 N/A N/A N/A			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL															
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD															
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL															
P.T.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING															
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT															
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	White Contrast WCP-2 Black Magnetic Ink 7HF Fluorescent Magnetic Ink 14HF				MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:					
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	ASNT LEVEL II MT,PT,UT						
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	CLIENT:					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24					MANUFACTURE <td>BATCH NO<th>EXPIRE DATE</th><td colspan="4"></td></td>	BATCH NO <th>EXPIRE DATE</th> <td colspan="4"></td>	EXPIRE DATE							
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24					MANUFACTURE <td>BATCH NO<td>EXPIRE DATE</td><td colspan="4"></td></td>	BATCH NO <td>EXPIRE DATE</td> <td colspan="4"></td>	EXPIRE DATE							
UV LIGHT INTENSITY: 2850 µw/cm²																			
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration: 1.1 to 1.4 ml/100 ml																	
Original - Client Files						Copy - Area Office		QC/FN/DP/070		Rev.00									

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION:	ATS Yard	RIG No:	HL-99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.366"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	04 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			-

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOULD WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING	P / T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION.					PC	C2	C3	C4	
46	HL-398	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
47	HL24-81	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.358"	PRESENT	OK	✓	..	..	-	Acceptable
48	HL-404	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	Acceptable
49	HL-199	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	Acceptable
50	HL-212	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	OK	✓	..	..	-	Acceptable
51	HL-137	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	Acceptable
52	HL24-76	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	Acceptable
53	HL24-77	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	Acceptable
54	HL-107	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.379"	PRESENT	OK	✓	..	..	-	Acceptable
55	12920-1	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.483"	PRESENT	OK	✓	..	..	-	Acceptable
56	HL-86	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
57	HL-146	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.398"	PRESENT	OK	✓	..	..	-	Acceptable
58	HL-156	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.401"	PRESENT	OK	✓	..	..	-	Acceptable
59	HL-29	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10 "	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
60	HL99-018	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 13/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/16"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY																							
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED						15		PC = PREMIUM CLASS				15																													
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT						N/A		C2 = CLASS II				N/A																													
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° Internal surface any linear section of length 3 feet in tube area			DRILL PIPE NEED TO BE RECHASE						N/A		C3 = CLASSA III				N/A																													
PIT/LC = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL	1= No loss; minor abrasion, 2= <25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT						N/A		C4 = CLASSA IV				N/A																													
PIT/EC = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P= ID DEEP INTERNAL PITTING	Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK						N/A																																			
IPC = INTERNAL PLASTIC COATING.	CR = CRACK	ID W/O= ID WASHOUT	TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE						15																																			
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.B=BODY BENT																																													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY																													
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	MANUFACTURE						BATCH NO						EXP. 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						Hasan Omran																	
UT THICK. METER	820750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF						Magnaflux						220605						JULY,2025						ASNT LEVEL II MT,PT,UT																	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	8017374	14-Aug-24							MANUFACTURE						BATCH NO						EXP. DATE						QUALIFICATION:						INSPECTION SUPERVISOR:											
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24							Magnaflux						220605						JULY,2025																							
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24							MANUFACTURE						BATCH NO						EXP. DATE						SIGNATURE & STAMP						CLIENT:											
UV LIGHT INTENSITY:						2850 μw/cm²																																									
14HF Concentration:			0.1 to 0.4 mJ/100 ml			7HF Concentration:			1.1 to 1.4 mJ/100 ml			Fluorescent Magnetic Ink 14HF						Magnaflux						220306						MARCH,2025																	
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	05 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
61	HL-163	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	-	-	Acceptable	
62	HL-317	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	-	-	Acceptable	
63	HL-402	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.395"	PRESENT	OK	✓	..	-	-	Acceptable	
64	HL-24-5	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	-	-	Acceptable	
65	HL-241	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	-	-	Acceptable	
66	HL-170	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	-	-	Acceptable	
67	HL-197	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.400"	PRESENT	OK	✓	..	-	-	Acceptable	
68	HL-96	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	-	-	Acceptable	
69	HL-134	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	-	-	Acceptable	
70	HL-346	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	-	-	Acceptable	
71	HL-100	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.341"	PRESENT	OK	✓	..	-	-	Acceptable	
72	HL-235	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.355"	PRESENT	OK	✓	..	-	-	Acceptable	
73	HL-35	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	-	-	Acceptable	
74	HL-325	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	-	-	Acceptable	
75	HL-55	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	8 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	-	-	Acceptable	

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT				DRILL PIPE USEABLE		15							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN, 2025	Hasan Omran						
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24												
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24												
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT		INSPECTION SUPERVISOR:				
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH, 2025	SIGNATURE & STAMP		CLIENT:				
UV LIGHT INTENSITY:		2850 µw/cm²				Fluorescent Magnetic Ink 14HF											
14HF Concentration:	0.1 to 0.4 ml/100 ml		7HF Concentration:														
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Corporate Partner

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	06 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
76	HL-168	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.355"	PRESENT	OK	✓	..	-	-	Acceptable	
77	HL-58	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.349"	PRESENT	OK	✓	..	-	-	Acceptable	
78	HL-164	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.360"	PRESENT	OK	✓	..	-	-	Acceptable	
79	HL-374	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.357"	PRESENT	OK	✓	..	-	-	Acceptable	
80	HL-20	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.393"	PRESENT	OK	✓	..	-	-	Acceptable	
81	HL24-13	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	-	-	Acceptable	
82	HL-236	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	-	-	Acceptable	
83	HL-373	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.357"	PRESENT	OK	✓	..	-	-	Acceptable	
84	HL-176	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	OK	✓	..	-	-	Acceptable	
85	HL-370	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.357"	PRESENT	OK	✓	..	-	-	Acceptable	
86	HL-220	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	-	-	Acceptable	
87	HL-329	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	-	-	Acceptable	
88	HL-129	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	-	-	Acceptable	
89	HL-378	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.390"	PRESENT	OK	✓	..	-	-	Acceptable	
90	HL-102	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	-	-	Acceptable	

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		N/A N/A N/A N/A			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN													
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD															
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL															
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING															
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT															
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2				MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24					Magnaflux	220602	JUN, 2025	Hasan Omran						
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24														
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24					Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT						
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24														
UV LIGHT INTENSITY: 2850 µw/cm²						Fluorescent Magnetic Ink 14HF				MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml						Magnaflux	220306	MARCH, 2025							
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	07 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION.	PC					C2	C3	C4		
91	HL-84	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	Acceptable
92	HL-294	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
93	HL-287	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
94	HL-309	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
95	HL24-33	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	Acceptable
96	HL24-37	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
97	HL-410	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	Acceptable
98	HL-177	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	Acceptable
99	HL-119	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable
100	HL-175	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	Acceptable
101	HL-394	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
102	HL-224	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
103	HL24-67	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
104	HL-347	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	Acceptable
105	HL24-72	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.407"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss, minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss, minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN						TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		15 N/A N/A N/A							
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL																					
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD																					
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL																					
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING																					
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT																					
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT																					
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	White Contrast WCP-2						MANUFACTURE		BATCH NO		EXPIRE DATE		INSPECTOR NAME:		SENIOR INSPECTOR:					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Black Magnetic Ink 7HF						Magnaflux		220602		JUN,2025		Hasan Omran		INSPECTION SUPERVISOR:					
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24							MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:							
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24							Magnaflux		220605		JULY,2025		ASNT LEVEL III MT,PT,UT							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24							Magnaflux		220306		MARCH,2025		SIGNATURE & STAMP				CLIENT:			
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF						MANUFACTURE		BATCH NO		EXPIRE DATE		SIGNATURE & STAMP							
UV LIGHT INTENSITY:			2850 µw/cm²									Magnaflux		220306		MARCH,2025									
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:								1.1 to 1.4 ml/100 ml													
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	08 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDI TI ON.	PC					C2	C3	C4		
106	HL-342	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	-	✓	..	..	-	Acceptable
107	HL-138	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.364"	PRESENT	OK	✓	..	..	-	Acceptable
108	HL-180	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	..	-	Acceptable
109	HL-153	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
110	HL-161	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.438"	PRESENT	OK	✓	..	..	-	Acceptable
111	HL-253	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	Acceptable
112	HL-18	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
113	HL-152	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.415"	PRESENT	OK	✓	..	..	-	Acceptable
114	HL99-037	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.407"	PRESENT	OK	✓	..	..	-	Acceptable
115	HL-286	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.378"	PRESENT	OK	✓	..	..	-	Acceptable
116	HL99-003	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
117	HL-344	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
118	S20-1	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
119	HL-166	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.399"	PRESENT	OK	✓	..	..	-	Acceptable
120	HL-68	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE JUNK		N/A							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT						DRILL PIPE USEABLE		15							
CSA = CROSS SECTION AREA		BS = BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	White Contrast WCP-2				MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Black Magnetic Ink 7HF				Magnafux	220602	JUN,2025	Hasan Omran		INSPECTION SUPERVISOR:				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:						
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24					Magnafux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT						
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF				MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24					Magnafux	220306	MARCH,2025							
UV LIGHT INTENSITY: 2850 µw/cm²																			
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration: 1.1 to 1.4 ml/100 ml																	
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	09 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.											
																										PC					C2	C3	C4			
121	HL-260	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 "	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	-	Acceptable
122	HL-250	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	-	Acceptable
123	HL24-8	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.403"	PRESENT	OK	✓	..	..	-	-	Acceptable
124	HL-365	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.381"	PRESENT	-	✓	..	..	-	-	Acceptable
125	HL99-02445	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.344"	PRESENT	OK	✓	..	..	-	-	Acceptable
126	HL-292	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	-	Acceptable
127	HL-131	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	-	Acceptable
128	HL-389	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	-	Acceptable
129	HL-230	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	-	Acceptable
130	HL-12	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.410"	PRESENT	OK	✓	..	..	-	-	Acceptable
131	HL-37	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.353"	PRESENT	OK	✓	..	..	-	-	Acceptable
132	HL-201	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	-	Acceptable
133	HL-353	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	-	Acceptable
134	HL-23	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	-	Acceptable
135	HL-275	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY		
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15		
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4> 35%		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A		
SP = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A		
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A		
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A						
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT		DRILL PIPE USEABLE		15								
CSA = CROSS SECTION AREA		BS = BOX SWELL		B.B=BODY BENT												
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS			REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC Yoke	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnafux	220602	JUN,2025	Hasan Omran		INSPECTION SUPERVISOR:				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:						
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	Magnafux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnafux	220306	MARCH,2025							
UV LIGHT INTENSITY:						2850 µw/cm²										
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml										
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Corporate Partner



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



CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL-99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	10 to 28

Visual Tube	√	Visual Connection	√	MPI Connection	-	MPI Slip & Upset	√	Dry MPI	-	Dimensional 2	√	UT Wall Thickness	√	
EMI 1	√	Heat Checking	-	OD Gauge	√	TH.Profile Gauge	√	DPT	-	UFD OF SLIP UPSET AREA				-

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

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

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	11 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
151	HL-254	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	-	Acceptable
152	HL24-18	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	-	Acceptable
153	HL-172	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	-	Acceptable
154	HL-406	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	-	✓	..	..	-	-	Acceptable
155	HL-228	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	-	Acceptable
156	HL-91	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.352"	PRESENT	OK	✓	..	..	-	-	Acceptable
157	HL24-19	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	-	Acceptable
158	HL24-21	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.406"	PRESENT	OK	✓	..	..	-	-	Acceptable
159	HL-178	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	-	✓	..	..	-	-	Acceptable
160	HL-17	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	-	Acceptable
161	HL-46	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	-	Acceptable
162	HL24-24	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	-	Acceptable
163	HL-383	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	-	Acceptable
164	HL-408	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.386"	PRESENT	-	✓	..	..	-	-	Acceptable
165	HL-335	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED				REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		PC = PREMIUM CLASS					
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		C2 = CLASS I					
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		C3 = CLASS II					
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		C4 = CLASS IV					
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE JUNK							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID.W.O= ID WASHOUT		DRILL PIPE USEABLE				15							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS				REVIEW BY	
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:					
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnafux	220602	JUN, 2025	Hasan Omran							
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:					
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24		Magnafux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT							
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:					
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		Magnafux	220306	MARCH, 2025								
UV LIGHT INTENSITY:						2850 µw/cm²											
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml											
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CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL-99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	12 to 28

Visual Tube	√	Visual Connection	√	MPI Connection	-	MPI Slip & Upset	√	Dry MPI	-	Dimensional 2	√	UT Wall Thickness	√	
EMI 1	√	Heat Checking	-	OD Gauge	√	TH.Profile Gauge	√	DPT	-	UFD OF SLIP UPSET AREA				-

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGH CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN .CORNE CTION LTH	PIN .NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
166	HL24-23	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
167	HL-30	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
168	HL-192	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.379"	PRESENT	OK	✓	..	..	-	Acceptable
169	HL-393	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
170	HL-193	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
171	HL24-44	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
172	HL-233	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
173	HL24-27	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	Acceptable
174	HL-183	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.383"	PRESENT	OK	✓	..	..	-	Acceptable
175	HL24-28	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	Acceptable
176	HL-29	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.397"	PRESENT	OK	✓	..	..	-	Acceptable
177	HL-27	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable
178	HL24-29	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
179	HL24-30	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.386"	PRESENT	OK	✓	..	..	-	Acceptable
180	HL24-31	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	Acceptable

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE		ONLINE TRACEABILITY			
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		<div>TOTAL DRILL PIPE INSPECTED15</div> <div>DRILL PIPE NEED TO BE RECUTN/A</div> <div>DRILL PIPE NEED TO BE RECHASEN/A</div> <div>DRILL PIPE NEED TO BE STRAIGHTN/A</div> <div>DRILL PIPE JUNKN/A</div> <div>DRILL PIPE USEABLE15</div>			PC = PREMIUM CLASS15					
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		3= No loss, minor abrasion, 3= <50%, 3= >50% AND 35% 4= >55%					C2 = CLASS II					
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)					C3 = CLASS III					
P.I.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss, minor abrasion, 2= >25% 3= >25% & <50%, 4= >50%					C4 = CLASS IV					
P.I.T.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		I.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle inspection By AC Yoke UPRST OR SUP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN										
IPC = INTERNAL PLASTIC COATING		CR = CRACK		ID WO= ID WASHOUT												
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT												
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS			PERSON DETAILS		REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	<div>White Contrast WCP-2</div> <div>Black Magnetic Ink 7HF</div> <div>Fluorescent Magnetic Ink 14HF</div>			INSPECTOR NAME:		SENIOR INSPECTOR:					
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24				Magnaflux		220602		JUN,2025		Hassan Omran	
UT THICK METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		QUALIFICATION:	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24				MANUFACTURE		BATCH NO		EXPIRE DATE		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24				Magnaflux		220605		JULY,2025		ASNT LEVEL II MT,PT,UT	
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	MANUFACTURE		BATCH NO		EXPIRE DATE		SIGNATURE & STAMP		CLIENT:		
UV LIGHT INTENSITY:		2850 µw/cm²														
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml										
Original - Client Files						Copy - Area Office		QC/FN/DP/070		Rev.00						



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

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

CUSTOMER:	Hilong Oil Services & Engineering				LOCATION:	ATS Yard	RIG No:	HL-99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001	
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.366"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4				REPORT PAGE NO:	

INSPECTION METHOD									
Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-
				Dimensional 2		✓	UT Wall Thickness		✓
				UFD OF SLIP UPSET AREA					

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGRI CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				
		PIN OD	PIN ID	PIN CONN CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE	PIN UPSET AREA	BOX UPSET AREA	PIN TOOL JOINT	BOX TOOL JOINT	PIN TOOL JOINT	BOX TOOL JOINT	INTERNAL PLASTIC COATING	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION	PC	C2					C3	C4			
181	HL24-42	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
182	HL24-32	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
183	HL-390	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	Acceptable
184	HL24-34	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	Acceptable
185	HL-89	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
186	HL24-35	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	Acceptable
187	HL-191	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.389"	PRESENT	OK	✓	..	..	-	Acceptable
188	HL-117	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.397"	PRESENT	OK	✓	..	..	-	Acceptable
189	HL-194	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable
190	HL24-38	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	Acceptable
191	HL-216	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
192	HL-366	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.364"	PRESENT	OK	✓	..	..	-	Acceptable
193	HL-196	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	Acceptable
194	HL-324	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
195	HL-189	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.372"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED			REPRESENTATIONS			SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY		
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED			PC = PREMIUM CLASS			15		
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT			C2 = CLASS II			N/A		
SP = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE			C3 = CLASSA III			N/A		
PIT.LC = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL	3= No loss; minor abrasion, 2=>35%, 3=>35% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT			C4 = CLASSA IV			N/A		
PIT.OC = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID.D.I.P=ID DEEP INTERNAL PITTING	Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX			DRILL PIPE JUNK								
IPC = INTERNAL PLASTIC COATING	CR = CRACK	ID.WO= ID WASHOUT	TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE USEABLE			15					
CSA = CROSS SECTION AREA	BS = BOX SWELL	B.B=BODY BENT												

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:							
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux	220602	JUN,2025	Hasan Omran								
UT THICK. METER	820750	14-Aug-24	LUX METER	2722003	14-Aug-24												
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	8017374	14-Aug-24												
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24												
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24												
UV LIGHT INTENSITY:				2850 μW/cm²				SIGNATURE & STAMP				CLIENT:					
14HF Concentration:		0.1 to 0.4 mJ/100 ml		7HF Concentration:		1.1 to 1.4 mJ/100 ml											

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	14 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN. NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
196	HL24-50	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	-	Acceptable
197	HL-43	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	-	Acceptable
198	HL24-51	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	-	Acceptable
199	HL24-52	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	-	Acceptable
200	HL-323	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	-	Acceptable
201	HL-220	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	-	Acceptable
202	HL24-54	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	-	Acceptable
203	HL-276	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.397"	PRESENT	OK	✓	..	..	-	-	Acceptable
204	HL-315	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	-	Acceptable
205	HL-310	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	-	Acceptable
206	HL-142	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	8 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.388"	PRESENT	OK	✓	..	..	-	-	Acceptable
207	HL-208	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	-	Acceptable
208	HL-73	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.351"	PRESENT	OK	✓	..	..	-	-	Acceptable
209	HL-248	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	-	Acceptable
210	HL24-56	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.357"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED				REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY
PIN COND = PIN CONDITION	TD = THREAD DAMAGE	PS = PITTED SEAL	INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE			PC = PREMIUM CLASS		15	
LP = LIGHT PITTING	SD = SEAL DAMAGE	MS = MASHED SEAL	1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%						C2 = CLASS I		N/A	
S.P = SEVERE PITTING	PT = PITTED THREAD	W.O.T = WORN OUT THREAD	Localized Coating Loss 360° [Internal surface any linear section of length 3 feet in tube area]			C3 = CLASS II		N/A				
P.T.I.C = PIPE/TUBE INTERNAL CLEANING	SWO = SEAL WASHOUT	RB = RE BEVEL	1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			C4 = CLASS IV		N/A				
P.T.E.C = PIPE/TUBE EXTERNAL CLEANING	RF = RE FACING	ID D.L.P=ID DEEP INTERNAL PITTING	Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN					N/A				
IPC = INTERNAL PLASTIC COATING.	CR = CRACK	ID WO= ID WASHOUT										
CSA = CROSS SECTION AREA	BS =BOX SWELL	B.B=BODY BENT										
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS			PERSON DETAILS		REVIEW BY	
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	MANUFACTURE			INSPECTOR NAME:		SENIOR INSPECTOR:	
AC Yoke	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Magnaflux			JUN,2025		Hasan Omran	
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Magnaflux			JULY, 2025		ASNT LEVEL II MT,PT,UT	
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	Magnaflux			220605		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Magnaflux			220605		SIGNATURE & STAMP	
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Magnaflux			220306		MARCH,2025	
UV LIGHT INTENSITY:						2850 µw/cm²					CLIENT:	
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml						
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	15 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
211	HL-319	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	-	Acceptable
212	HL-306	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	-	Acceptable
213	HL24-57	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	-	Acceptable
214	HL-27	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.360"	PRESENT	OK	✓	..	..	-	-	Acceptable
215	HL99-015	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	-	Acceptable
216	HL-234	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.393"	PRESENT	OK	✓	..	..	-	-	Acceptable
217	HL24-58	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	-	Acceptable
218	HL-186	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.358"	PRESENT	OK	✓	..	..	-	-	Acceptable
219	HL-78	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	-	Acceptable
220	HL-384	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.370"	PRESENT	OK	✓	..	..	-	-	Acceptable
221	HL-379	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	-	Acceptable
222	HL24-91	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.355"	PRESENT	OK	✓	..	..	-	-	Acceptable
223	HL-184	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	-	Acceptable
224	HL-243	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.364"	PRESENT	OK	✓	..	..	-	-	Acceptable
225	HL-188	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.383"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		15 N/A N/A N/A		
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL														
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD														
P/T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL														
P/T.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		I.D.I.P=ID DEEP INTERNAL PITTING														
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		I.D.WO= ID WASHOUT														
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT														
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY				
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	MANUFACTURE		BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:						
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	White Contrast WCP-2		Magnafux	220602	JUN, 2025	Hasan Omran							
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24													
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	Black Magnetic Ink 7HF		Magnafux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT		INSPECTION SUPERVISOR:					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24													
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24													
UV LIGHT INTENSITY: 2850 µw/cm²						Fluorescent Magnetic Ink 14HF		MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Magnaflux		220306	MARCH,2025							
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Corporate Partner


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



CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL-99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	16 to 28

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGH: CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN .CORNE CTION LTH	PIN. NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
226	HL24-63	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.352"	PRESENT	OK	✓	..	..	-	Acceptable
227	HL24-64	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	OK	✓	..	..	-	Acceptable
228	HL-127	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
229	HL-206	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
230	HL-345	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.386"	PRESENT	OK	✓	..	..	-	Acceptable
231	HL24-65	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
232	HL24-66	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.397"	PRESENT	OK	✓	..	..	-	Acceptable
233	HL-204	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
234	HL-94	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
235	HL-150	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
236	HL24-68	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
237	HL-155	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	Acceptable
238	HL-397	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	Acceptable
239	HL-331	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.405"	PRESENT	OK	✓	..	..	-	Acceptable
240	HL24-80	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	Acceptable

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY	
PIN COND = PIN CONDITION LP = LIGHT PITTING S.P = SEVERE PITTING PIT I.C = PIPE/TUBE INTERNAL CLEANING PIT C = PIPE/TUBE EXTERNAL CLEANING PIC = INTERNAL PLASTIC COATING CSA = CROSS SECTION AREA	TD = THREAD DAMAGE SD = SEAL DAMAGE SWO = SEAL WASHOUT RF = RE FACING CR = CRACK SS =BOX SWELL	PS = PITTED SEAL MS = MASHED SEAL W.O.T = WORN OUT THREAD RB = RE BEVEL ID.D.P=ID DEEP INTERNAL PITTING ID.WO= D WASHOUT B.B.=BODY BENT	INTERNAL PLASTIC COATING (IPC) Overall Coating Loss in Tube Area 3+ No loss; minor abrasion, 3- >30%, 3+ >20% AND 33% 4+ >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1- No loss; minor abrasion, 2+ >25%, 3+ >25% & <50%, 4+ >50% Magnetic Particle Inspection By AC Yoke Uprift OR SUP AREA PIN, BOX TO MP1 48" FROM BOX AND 36" FROM PIN	TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE	15 N/A N/A N/A N/A 15	PC = PREMIUM CLASS C2 = CLASS II C3 = CLASSA II C4 = CLASSA IV	15 N/A N/A N/A N/A								
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS			PERSON DETAILS			REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN,2025	Hassan Omran					
UT THICK METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	K017374	14-Aug-24		Magnaflux	220605	JULY,2025	ASNT LEVEL III MT,PT,UT					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Black Magnetic Ink 7HF				SIGNATURE & STAMP	CLIENT:				
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE						
UV LIGHT INTENSITY:		2850 µw/cm²				Fluorescent Magnetic Ink 14HF	Magnaflux	220306	MARCH,2025						
14HF Concentration:	0.1 to 0.4 ml/100 ml	7HF Concentration:	1.1 to 1.4 ml/100 ml												
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Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	17 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE.	PIN /UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION.	PC					C2	C3	C4		
241	HL-4	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.379"	PRESENT	OK	✓	..	..	-	Acceptable
242	HL-151	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	Acceptable
243	HL-174	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	Acceptable
244	HL99-047	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
245	HL24-71	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.378"	PRESENT	OK	✓	..	..	-	Acceptable
246	HL-334	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
247	HL24-73	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	Acceptable
248	HL-162	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	Acceptable
249	HL24-74	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	Acceptable
250	HL24-75	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
251	HL-255	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	Acceptable
252	HL-271	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	Acceptable
253	HL-26	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.352"	PRESENT	OK	✓	..	..	-	Acceptable
254	HL-149	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	Acceptable
255	HL-21	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%				DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P/T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%				DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
P/T.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				DRILL PIPE JUNK		N/A							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT						DRILL PIPE USEABLE		15							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2				MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Black Magnetic Ink 7HF				Magnaflux	220602	JUN,2025	Hasan Omran		INSPECTION SUPERVISOR:				
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:						
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24					Magnaflux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT						
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24					MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP						
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF				Magnaflux	220306	MARCH,2025			CLIENT:				
UV LIGHT INTENSITY:						2850 µw/cm²													
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml													
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	18 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT- CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION				OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS	
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN. NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.					PC	C2	C3	C4		
256	HL24-85	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	-	Acceptable
257	HL-403	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.402"	PRESENT	OK	✓	..	..	-	-	Acceptable
258	HL24-89	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	-	Acceptable
259	HL-195	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.398"	PRESENT	OK	✓	..	..	-	-	Acceptable
260	HL-232	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	-	Acceptable
261	HL-218	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.358"	PRESENT	OK	✓	..	..	-	-	Acceptable
262	HL-318	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	-	Acceptable
263	HL-249	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.378"	PRESENT	OK	✓	..	..	-	-	Acceptable
264	HL-214	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	-	Acceptable
265	HL-124	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	-	Acceptable
266	HL-219	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.389"	PRESENT	OK	✓	..	..	-	-	Acceptable
267	HL-185	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/16"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.406"	PRESENT	OK	✓	..	..	-	-	Acceptable
268	HL99-020	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.390"	PRESENT	OK	✓	..	..	-	-	Acceptable
269	HL-229	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.360"	PRESENT	OK	✓	..	..	-	-	Acceptable
270	HL-93	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.402"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° [Internal surface any linear section of length 3 feet in tube area] 1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		15 N/A N/A N/A			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL															
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD															
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL															
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING															
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT															
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2 Black Magnetic Ink 7HF Fluorescent Magnetic Ink 14HF				MANUFACTURE		BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:			
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24					Magnaflux		220602	JUN, 2025	Hasan Omran					
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24					MANUFACTURE		BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:			
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24					Magnaflux		220605	JULY, 2025	ASNT LEVEL II MT,PT,UT					
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24					Magnaflux		220605	JULY, 2025	SIGNATURE & STAMP		CLIENT:			
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24					MANUFACTURE		BATCH NO	EXPIRE DATE						
UV LIGHT INTENSITY: 2850 µw/cm²																			
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration: 1.1 to 1.4 ml/100 ml																	
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	19 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	P/T INTERNA L CLEANN G	P/T INTERNA L CLEANN G	P/T EXTERNA L CLEANN G	BODY CONDITI ON.	PC	C2	C3					C4				
271	HL-231	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.360"	PRESENT	OK	✓	..	..	-	Acceptable
272	HL24-1	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.418"	PRESENT	OK	✓	..	..	-	Acceptable
273	HL-291	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.357"	PRESENT	OK	✓	..	..	-	Acceptable
274	HL-279	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.384"	PRESENT	OK	✓	..	..	-	Acceptable
275	HL-340	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.388"	PRESENT	OK	✓	..	..	-	Acceptable
276	HL-38	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.346"	PRESENT	OK	✓	..	..	-	Acceptable
277	HL-381	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/16"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.354"	PRESENT	OK	✓	..	..	-	Acceptable
278	HL-179	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
279	HL-138	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	Acceptable
280	HL-213	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	Acceptable
281	HL-217	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	Acceptable
282	HL-83	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.370"	PRESENT	OK	✓	..	..	-	Acceptable
283	HL99-036	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 5/16"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
284	HL-211	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.379"	PRESENT	OK	✓	..	..	-	Acceptable
285	HL-27	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE			ONLINE TRACEABILITY
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area			TOTAL DRILL PIPE INSPECTED		PC = PREMIUM CLASS		15	
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%			DRILL PIPE NEED TO BE RECUT		C2 = CLASS I		N/A	
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)			DRILL PIPE NEED TO BE RECHASE		C3 = CLASS II		N/A	
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%			DRILL PIPE NEED TO BE STRAIGHT		C4 = CLASS IV		N/A	
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN			DRILL PIPE JUNK					
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT		DRILL PIPE USEABLE			15					
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT										
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS			PERSON DETAILS			REVIEW BY		
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	MANUFACTURE			BATCH NO		INSPECTOR NAME:		SENIOR INSPECTOR:	
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	White Contrast WCP-2			220602		Hasan Omran			
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24									
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	MANUFACTURE			BATCH NO		QUALIFICATION:		INSPECTION SUPERVISOR:	
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Magnaflux			220605		ASNT LEVEL I MT,PT,UT			
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	MANUFACTURE			BATCH NO		SIGNATURE & STAMP		CLIENT:	
UV LIGHT INTENSITY:		2850 µw/cm²				Fluorescent Magnetic Ink 14HF			220306					
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml								
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	20 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
286	HL-252	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 9/16"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.409"	PRESENT	OK	✓	..	-	-	Acceptable	
287	HL-383	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	-	-	Acceptable	
288	HL-11	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.387"	PRESENT	OK	✓	..	-	-	Acceptable	
289	HL-139	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/16"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	-	-	Acceptable	
290	HL-350	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	-	-	Acceptable	
291	HL-19	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	-	-	Acceptable	
292	HL-42	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	-	-	Acceptable	
293	HL-273	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.372"	PRESENT	OK	✓	..	-	-	Acceptable	
294	HL24-3	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.430"	PRESENT	-	✓	..	-	-	Acceptable	
295	HL-319	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.409"	PRESENT	-	✓	..	-	-	Acceptable	
296	HL-337	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.473"	PRESENT	OK	✓	..	-	-	Acceptable	
297	HL24-4	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.477"	PRESENT	OK	✓	..	-	-	Acceptable	
298	HL24-6	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	-	-	Acceptable	
299	HL-182	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	-	-	Acceptable	
300	HL-207	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	-	✓	..	-	-	Acceptable	

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

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY			
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE				15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		15 N/A N/A N/A			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL																	
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD																	
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL																	
P.T.E.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING																	
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT																	
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT																	
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY							
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	White Contrast WCP-2 Black Magnetic Ink 7HF Fluorescent Magnetic Ink 14HF				MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:						
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24					Magnaflux	220602	JUN,2025	Hasan Omran								
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24					MANUFACTURE		BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:					
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24					Magnaflux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT								
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24					MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:					
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24					Magnaflux	220306	MARCH,2025									
UV LIGHT INTENSITY: 2850 µw/cm²																					
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml																	
Original - Client Files						Copy - Area Office		QC/FN/DP/070		Rev.00											

Original - Client Files

Copy - Area Office

QC/FN/DP/070

Rev.00

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	21 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT, CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION						OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDI TN.	PC	C2					C3	C4			
301	HL-198	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	-	Acceptable
302	HL24-7	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.372"	PRESENT	OK	✓	..	..	-	-	Acceptable
303	HL-47	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	-	✓	..	..	-	-	Acceptable
304	HL-269	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	-	Acceptable
305	HL-222	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.415"	PRESENT	OK	✓	..	..	-	-	Acceptable
306	HL-376	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.395"	PRESENT	-	✓	..	..	-	-	Acceptable
307	HL-12	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	-	Acceptable
308	HL-72	5"	2 3/8"	3 15/16"	7/16"	9 7/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	-	Acceptable
309	HL99-044	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.430"	PRESENT	OK	✓	..	..	-	-	Acceptable
310	HL-80	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	-	Acceptable
311	HL99-041	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.473"	PRESENT	OK	✓	..	..	-	-	Acceptable
312	HL-2	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.395"	PRESENT	OK	✓	..	..	-	-	Acceptable
313	HL-321	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.355"	PRESENT	OK	✓	..	..	-	-	Acceptable
314	HL99-037	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	-	Acceptable
315	HL-16	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	..	-	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS						SUMMARY OF DRILL PIPE INSPECTION						CLASSIFICATION OF DRILL PIPE						ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)						TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		15 N/A N/A N/A N/A 15		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV				15 N/A N/A N/A					
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50% Magnetic Particle Inspection By AC Yoke UPSET OR SUP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN																			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD																					
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL																					
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING																					
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT																					
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT																					
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS						PERSON DETAILS						REVIEW BY							
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:												
AC Yoke	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220602	JUN, 2025	Hasan Omran		INSPECTION SUPERVISOR:												
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:														
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP														
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24			MANUFACTURE	BATCH NO	EXPIRE DATE	CLIENT:														
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH, 2025															
UV LIGHT INTENSITY:		2850 µw/cm²																							
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml																			
Original - Client Files														Copy - Area Office		QC/FN/DP/070		Rev.00							

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	22 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION						OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC	C2					C3	C4			
316	HL-187	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.360"	PRESENT	-	✓	..	..	-	Acceptable
317	HL-359	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.347"	PRESENT	OK	✓	..	..	-	Acceptable
318	HL-49	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	Acceptable
319	HL-3	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.358"	PRESENT	OK	✓	..	..	-	Acceptable
320	HL-32	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
321	HL-326	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	Acceptable
322	HL-88	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.391"	PRESENT	OK	✓	..	..	-	Acceptable
323	HL24-10	5"	2 3/8"	3 15/16"	7/16"	9 7/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
324	HL-227	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
325	HL-238	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	Acceptable
326	HL-136	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
327	HL-143	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
328	HL24-11	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	OK	✓	..	..	-	Acceptable
329	HL-79	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
330	HL24-15	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1" No loss; minor abrasion, 2" <20%, 3" >20% AND <35% 4" >35%		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1" No loss; minor abrasion, 2" >25%, 3" >25% & <50%, 4" >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT				DRILL PIPE USEABLE		15							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN, 2025	Hasan Omran						
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24			Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT						
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH,2025							
UV LIGHT INTENSITY:		2850 µw/cm²															
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml											
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	23 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN. NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.										
																										PC					C2	C3	C4		
331	HL-6	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.355"	PRESENT	OK	✓	..	..	-	Acceptable
332	HL-351	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
333	HL24-14	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	..	-	Acceptable
334	222	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
335	HL-277	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	Acceptable
336	HL-295	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.378"	PRESENT	OK	✓	..	..	-	Acceptable
337	HL-333	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
338	HL-258	5"	2 3/8"	3 15/16"	7/16"	9 7/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable
339	HL-363	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.383"	PRESENT	OK	✓	..	..	-	Acceptable
340	HL-256	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	Acceptable
341	HL24-20	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.389"	PRESENT	OK	✓	..	..	-	Acceptable
342	HL-81	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.373"	PRESENT	OK	✓	..	..	-	Acceptable
343	HL-157	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	-	✓	..	..	-	Acceptable
344	HL-240	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
345	HL-357	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable

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


ABBREVIATIONS USED							REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL			INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		PC = PREMIUM CLASS		15					
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL			1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%						C2 = CLASS I		N/A					
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD			Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)						C3 = CLASS II		N/A					
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL			1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%						C4 = CLASSA IV		N/A					
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID.D.I.P=ID DEEP INTERNAL PITTING			Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN				N/A		N/A		N/A					
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT							N/A									
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT							15									
INSPECTION EQUIPMENT DETAILS							TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL.DUE DATE		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:									
AC YOK	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	White Contrast WCP-2	Magnaflux	220602	JUN,2025	Hasan Omran										
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24															
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24		MANUFACTURE	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	ASNT LEVEL II MT,PT,UT										
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24															
UV LIGHT INTENSITY:			2850 µw/cm²				MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	CLIENT:									
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF		Magnaflux		220306		MARCH,2025						
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CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL-99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	24 to 28

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LINGH: CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN .CORNE CTION LTH	PIN .NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC					C2	C3	C4		
346	HL-202	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.390"	PRESENT	OK	✓	..	..	-	Acceptable
347	HL-266	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	Acceptable
348	HL-77	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	-	✓	..	..	-	Acceptable
349	HL24-26	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.358"	PRESENT	OK	✓	..	..	-	Acceptable
350	HL-380	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.387"	PRESENT	OK	✓	..	..	-	Acceptable
351	HL-101	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 7/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.378"	PRESENT	OK	✓	..	..	-	Acceptable
352	HL-135	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.366"	PRESENT	OK	✓	..	..	-	Acceptable
353	HL24-43	5"	2 3/8"	3 15/16"	7/16"	9 7/8"	9 1/2"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
354	HL-205	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	Acceptable
355	HL-31	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
356	HL-144	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.380"	PRESENT	OK	✓	..	..	-	Acceptable
357	HL-371	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
358	HL-11	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.381"	PRESENT	OK	✓	..	..	-	Acceptable
359	HL24-40	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
360	HL24-41	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.353"	PRESENT	OK	✓	..	..	-	Acceptable

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION			CLASSIFICATION OF DRILL PIPE		ONLINE TRACEABILITY	
PIN COND = PIN CONDITION LP = LIGHT PITTING S.P = SEVERE PITTING PIT I.C = PIPE/TUBE INTERNAL CLEANING PIT C = PIPE/TUBE EXTERNAL CLEANING PIC = INTERNAL PLASTIC COATING CSA = CROSS SECTION AREA	TD = THREAD DAMAGE SD = SEAL DAMAGE SWO = SEAL WASHOUT RF = RE FACING CR = CRACK SS =BOX SWELL	PS = PITTED SEAL MS = MASHED SEAL W.O.T = WORN OUT THREAD RB = RE BEVEL ID.D.P=ID DEEP INTERNAL PITTING ID WO= D WASHOUT B.B.=BODY BENT	INTERNAL PLASTIC COATING (IPC) Overall Coating Loss in Tube Area 3= No loss; minor abrasion, 3+ >30%, 3- >20% AND 35% 4+ >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area) 1= No loss; minor abrasion, 2+ >25%, 3+ >25% & <50%, 4+ >50% Magnetic Particle Inspection By AC Yoke Uprift OR SUP AREA PIN, BOX TO MP1 48" FROM BOX AND 36" FROM PIN	TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE	15 N/A N/A N/A N/A 15	PC = PREMIUM CLASS C2 = CLASS II C3 = CLASS III C4 = CLASS IV	15 N/A N/A N/A N/A							
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS			PERSON DETAILS		REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL/DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:	SENIOR INSPECTOR:			
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN,2025	Hassan Omran				
UT THICK METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:	INSPECTION SUPERVISOR:			
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	1017374	14-Aug-24		Magnaflux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP	CLIENT:			
EMI UNIT	TSEZW05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24	Magnaflux	220306	MARCH,2025						
UV LIGHT INTENSITY:				2850 µw/cm²		Fluorescent Magnetic Ink 14HF								
14HF Concentration:	0.1 to 0.4 mJ/100 ml	7HF Concentration:	1.1 to 1.4 mJ/100 ml											
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Address: North Rumaila, Al Takamul Yard.
Contact: +964-781-000-9138



CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL-99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	25 to 28

Visual Tube	√	Visual Connection	√	MPI Connection	-	MPI Slip & Upset	√	Dry MPI	-	Dimensional 2	√	UT Wall Thickness	√	
EMI 1	√	Heat Checking	-	OD Gauge	√	TH.Profile Gauge	√	DPT	-	UFD OF SLIP UPSET AREA				-

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

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

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	26 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION						OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN LD	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.	PC	C2					C3	C4			
376	HL-61	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.390"	PRESENT	OK	✓	..	..	-	Acceptable
377	HL-130	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	Acceptable
378	HL-247	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	Acceptable
379	HL24-62	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable
380	HL-400	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.371"	PRESENT	OK	✓	..	..	-	Acceptable
381	HL24-69	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
382	HL24-70	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	Acceptable
383	HL-396	5"	2 3/8"	3 15/16"	7/16"	9 7/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
384	HL-148	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.362"	PRESENT	OK	✓	..	..	-	Acceptable
385	HL-367	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	Acceptable
386	HL-267	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.356"	PRESENT	OK	✓	..	..	-	Acceptable
387	HL-140	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.375"	PRESENT	OK	✓	..	..	-	Acceptable
388	HL-1	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.364"	PRESENT	OK	✓	..	..	-	Acceptable
389	HL-338	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.376"	PRESENT	OK	✓	..	..	-	Acceptable
390	HL-95	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1" No loss; minor abrasion, 2" <20%, 3" >20% AND <35% 4" >35%		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1" No loss; minor abrasion, 2" >25%, 3" >25% & <50%, 4" >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.I.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT		DRILL PIPE USEABLE		15									
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:			SENIOR INSPECTOR:				
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24		Magnaflux	220602	JUN,2025	Hasan Omran							
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24												
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:			INSPECTION SUPERVISOR:				
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24		Magnaflux	220605	JULY,2025	ASNT LEVEL II MT,PT,UT							
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24												
UV LIGHT INTENSITY: 2850 µw/cm²						Fluorescent Magnetic Ink 14HF	MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP			CLIENT:				
14HF Concentration: 0.1 to 0.4 ml/100 ml		7HF Concentration: 1.1 to 1.4 ml/100 ml					Magnaflux	220306	MARCH,2025								
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3 1/2" DRILL PIPE ACCORDING TO DS-1 FIFTH EDITION, VOLUME 3 INSPECTION CERTIFICATE


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	27 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH.Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)						MPI OF SLIP /UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION		BLACK LIGHT CONNECTION INSPECTION		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNECTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BORE WIDTH	BOX TONG SPACE.	PIN /UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNAL PLASTIC COATING.	P/T INTERNAL CLEANING	P/T EXTERNAL CLEANING	BODY CONDITION.										
																										PC					C2	C3	C4		
391	HL-181	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 *	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
392	HL-343	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	Acceptable
393	HL-145	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.394"	PRESENT	OK	✓	..	..	-	Acceptable
394	HL-254	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.358"	PRESENT	OK	✓	..	..	-	Acceptable
395	HL-190	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.388"	PRESENT	OK	✓	..	..	-	Acceptable
396	HL-50	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.353"	PRESENT	-	-	..	..	-	Acceptable
397	HL24-86	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.396"	PRESENT	OK	✓	..	..	-	Acceptable
398	HL-337	5"	2 3/8"	3 15/16"	7/16"	9 7/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.367"	PRESENT	OK	✓	..	..	-	Acceptable
399	HL-44	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 3/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.382"	PRESENT	OK	✓	..	..	-	Acceptable
400	HL24-87	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.361"	PRESENT	OK	✓	..	..	-	Acceptable
401	HL-74	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 3/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.395"	PRESENT	OK	✓	..	..	-	Acceptable
402	HL24-90	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 1/2"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.385"	PRESENT	OK	✓	..	..	-	Acceptable
403	HL-63	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 1/4"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.392"	PRESENT	OK	✓	..	..	-	Acceptable
404	HL-274	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	9 5/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.369"	PRESENT	OK	✓	..	..	-	Acceptable
405	HL-301	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.374"	PRESENT	OK	✓	..	..	-	Acceptable

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

ABBREVIATIONS USED						REPRESENTATIONS		SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area		TOTAL DRILL PIPE INSPECTED		15		PC = PREMIUM CLASS		15			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1= No loss; minor abrasion, 2= <20%, 3= >20% AND <35% 4= >35%		DRILL PIPE NEED TO BE RECUT		N/A		C2 = CLASS I		N/A			
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD		Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)		DRILL PIPE NEED TO BE RECHASE		N/A		C3 = CLASS II		N/A			
P.T.I.C = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL		1= No loss; minor abrasion, 2= >25%, 3= >25% & <50%, 4= >50%		DRILL PIPE NEED TO BE STRAIGHT		N/A		C4 = CLASS IV		N/A			
P.T.I.C = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING		Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN		DRILL PIPE JUNK		N/A							
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT				DRILL PIPE USEABLE		15							
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT													
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY			
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	White Contrast WCP-2		MANUFACTURE	BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:				
AC Yoke	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24			Magnaflux	220602	JUN, 2025	Hasan Omran						
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24	Black Magnetic Ink 7HF		MANUFACTURE	BATCH NO	EXPIRE DATE	QUALIFICATION:		INSPECTION SUPERVISOR:				
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24			Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT						
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24	Fluorescent Magnetic Ink 14HF		MANUFACTURE	BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:				
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24			Magnaflux	220306	MARCH, 2025							
UV LIGHT INTENSITY:		2850 µw/cm²															
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml											
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Original - Client Files Copy

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


CUSTOMER:	Hilong Oil Services & Engineering			LOCATION	ATS Yard	RIG No:	HL -99	DATE OF WORK:	20-May-24
PIPE NOMINAL OD:	3 1/2"	CONNECTION:	NC38	WEIGHT:	(13.30 lbs/ft)	GRADE:	G-105(G2)	REPORT NO:	QC-HL99-2024-05-DP-001
TYPE OF INSPECTION:	CATEGORY-4	NOMINAL WALL THICK:	0.368"	STANDARD:	DS-1 Fifth Edition, Volume 3 / CAT-4			REPORT PAGE NO:	28 to 28

INSPECTION METHOD

Visual Tube	✓	Visual Connection	✓	MPI Connection	-	MPI Slip & Upset	✓	Dry MPI	-	Dimensional 2	✓	UT Wall Thickness	✓
EMI 1	✓	Heat Checking	-	OD Gauge	✓	TH Profile Gauge	✓	DPT	-	UFD OF SLIP UPSET AREA			

S.NO	PIPE SERIAL NO	PIN DIMENSION (INCHES)						BOX DIMENSION (INCHES)					MPI OF SLIP UPSET AREA		UT SLIP /UPSET		VISUAL CONNECTION INSPECTION.		BLACK LIGHT, CONNECTION INSPECTION.		VISUAL TUBE INTERNAL EXTERNAL CONDITION					OD GAGE	AVERAGE PIPE WALL THIC.	H.B	EMI	FINAL CLASS				REMARKS
		PIN OD.	PIN ID	PIN CONNE CTION LTH	PIN NECK LTH	BEVEL DIA.	PIN TONG SPACE.	Box OD	BOX SHOUL WIDTH	BEVEL DIA.	BOX C.BORE DIA.	BOX C.BOR E WIDTH	BOX TONG SPACE.	PIN UPSET AREA.	BOX UPSET AREA.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	PIN TOOL JOINT.	BOX TOOL JOINT.	INTERNA L PLASTIC COATING.	P/T INTERNA L CLEANIN G	P/T EXTERNA L CLEANING	BODY CONDITI ON.					PC	C2	C3	C4	
406	HL-278	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.363"	PRESENT	OK	✓	..	..	-	Acceptable
407	HL-75	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.377"	PRESENT	OK	✓	..	..	-	Acceptable
408	HL-303	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.368"	PRESENT	OK	✓	..	..	-	Acceptable
409	HL24-88	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	10"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/4"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.359"	PRESENT	OK	✓	..	..	-	Acceptable
410	HL-393	5"	2 3/8"	3 15/16"	7/16"	4 5/8"	9 7/8"	5"	17/32"	4 5/16"	4 1/16"	20/32"	10 1/8"	OK	OK	-	-	OK	OK	-	-	4	OK	OK	OK	OK	0.365"	PRESENT	OK	✓	..	..	-	Acceptable

Result:05 Joints Were Found Acceptable From Pin & Box Sides Premium Class (P/C) (Ready To Use).

ABBREVIATIONS USED						REPRESENTATIONS				SUMMARY OF DRILL PIPE INSPECTION				CLASSIFICATION OF DRILL PIPE				ONLINE TRACEABILITY	
PIN COND = PIN CONDITION		TD = THREAD DAMAGE		PS = PITTED SEAL		INTERNAL PLASTIC COATING (IPC): Overall Coating Loss in Tube Area 1" No loss; minor abrasion, 2" <20%, 3" >20% AND 4" >35% Localized Coating Loss 360° (Internal surface any linear section of length 3 feet in tube area)				TOTAL DRILL PIPE INSPECTED DRILL PIPE NEED TO BE RECUT DRILL PIPE NEED TO BE RECHASE DRILL PIPE NEED TO BE STRAIGHT DRILL PIPE JUNK DRILL PIPE USEABLE		5 N/A N/A N/A N/A 5		PC = PREMIUM CLASS C2 = CLASS I C3 = CLASS II C4 = CLASS IV		N/A N/A N/A N/A			
LP = LIGHT PITTING		SD = SEAL DAMAGE		MS = MASHED SEAL		1" No loss; minor abrasion, 2" >25%, 3" >25% & <50%, 4" >50% Magnetic Particle Inspection By AC Yoke UPSET OR SLIP AREA PIN, BOX TO MPI 48" FROM BOX AND 36" FROM PIN													
S.P = SEVERE PITTING		PT = PITTED THREAD		W.O.T = WORN OUT THREAD															
P.T.LC = PIPE/TUBE INTERNAL CLEANING		SWO = SEAL WASHOUT		RB = RE BEVEL															
P.T.LC = PIPE/TUBE EXTERNAL CLEANING		RF = RE FACING		ID D.L.P=ID DEEP INTERNAL PITTING															
IPC = INTERNAL PLASTIC COATING.		CR = CRACK		ID WO= ID WASHOUT															
CSA = CROSS SECTION AREA		BS =BOX SWELL		B.B=BODY BENT															
INSPECTION EQUIPMENT DETAILS						TECHNICAL DETAILS				PERSON DETAILS				REVIEW BY					
EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	EQUIPMENT	SERIAL NUMBER	CAL DUE DATE	MANUFACTURE		BATCH NO	EXPIRE DATE	INSPECTOR NAME:		SENIOR INSPECTOR:							
AC YOKE	201504053	14-Aug-24	GAUSS METER	14001175	14-Aug-24	White Contrast WCP-2		Magnaflux	220602	JUN, 2025	Hasan Omran								
UT THICK. METER	520750	14-Aug-24	LUX METER	2722003	14-Aug-24														
DC COIL	SC22713	14-Aug-24	ULTRASONIC FLAW DETECTOR	I017374	14-Aug-24	Black Magnetic Ink 7HF		Magnaflux	220605	JULY, 2025	ASNT LEVEL II MT,PT,UT		INSPECTION SUPERVISOR:						
BLACK LIGHT	1900084	14-Aug-24	INTENSITY METER	1608000134	14-Aug-24														
EMI UNIT	TSE2V05152269	15-Aug-24	PIT GAUGE	97594	14-Aug-24														
UV LIGHT INTENSITY:						2850 µw/cm²		MANUFACTURE		BATCH NO	EXPIRE DATE	SIGNATURE & STAMP		CLIENT:					
14HF Concentration:		0.1 to 0.4 ml/100 ml		7HF Concentration:		1.1 to 1.4 ml/100 ml		Fluorescent Magnetic Ink 14HF		Magnaflux	220306	MARCH, 2025							
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