1	2	3	4	5	6	7	8	9	10	11	12

TAG.NO.: P-4411A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM CIRCULATION PUMP		
DESIGN CAPACITY	33	l/min
DISCH. PRESSURE	14	barg
POWER REQUIRED	1.1	kW

TAG.NO.: PM-4411A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM CIRCULATION PUMP MOTOR		
DUTY	1.5	kW
VOLTAGE	690	V
PH./FREQ.	3/50	ph/Hz

TAG.NO.: P-4412A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM TOP-UP PUMP		
DESIGN CAPACITY	7.2	l/min
DISCH. PRESSURE	19	barg
POWER REQUIRED	0.18	kW

TAG.NO.: PM-4412A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM TOP-UP PUMP MOTOR		
DUTY	0,55	kW
VOLTAGE	690	V
PH./FREQ.	3/50	ph/Hz

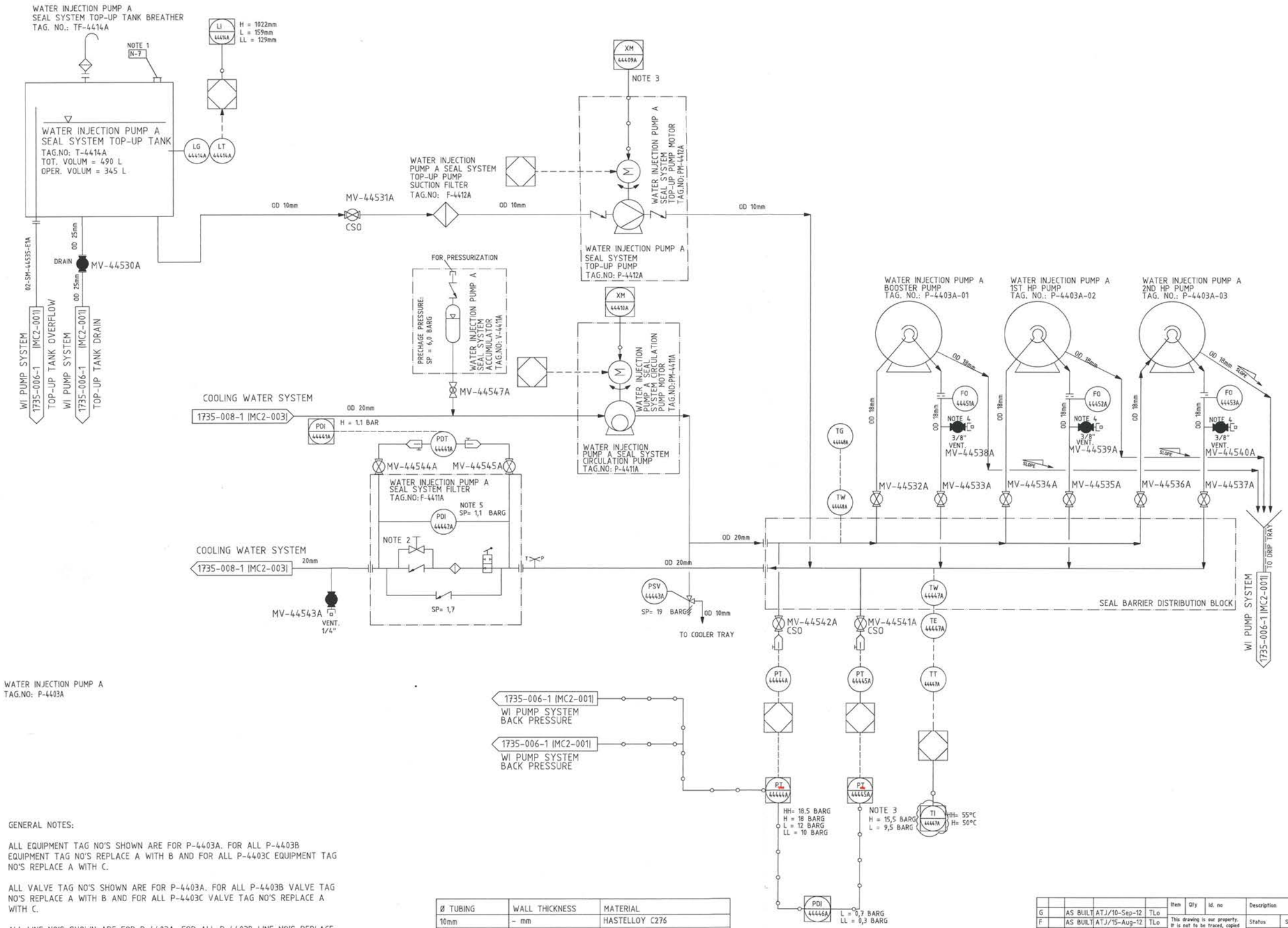
TAG.NO.: F-4411A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM FILTER		
DESIGN CAPACITY	40	l/hr
FILTER RATING	60	micron
DESIGN PRESSURE	210	barg

TAG No.: F-4412A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM TOP-UP PUMP SUCTION FILTER		
DESIGN CAPACITY	NA	m^3/hr
FILTER RATING	100	micron
DESIGN PRESSURE	414	barg
DESIGN TEMP. MAX/MIN	400/-40°C	

TAG No.: TF-4414A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM TOP-UP TANK BREATHER		
DESIGN CAPACITY	76	m^3/hr
FILTER RATING	3	micron
DESIGN TEMP.	121	°C

TAG No.: T-4414A			
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM TOP-UP TANK			
	DESIGN	OPER	TEST
TEMPERATURE [°C]	60	25	NA
PRESSURE [BARG]	0,02	0,015	0,03/LEAK

TAG No.: V-4411A		
SERVICE: WATER INJECTION PUMP A SEAL SYSTEM ACCUMULATOR		
VOLUME CAPACITY	4	L
DESIGN PRESSURE	330	barg
DESIGN TEMP.	60	°C



WATER INJECTION PUMP A
TAG.NO: P-4403A

NOTES:

1. N-XX REF. NOZZLE NO. ON GEN. ARR. DOC. NO.: 1735-005-1 [MB1-001]
2. AFTER SERVICE SLOWLY OPEN THE COMMUTER VALVE FOR PRESSURISING THE FILTER BOWL. REF. CIRC. FILTER OPERATING INSTRUCTION.
3. TOP-UP PUMP IS FILLING UP ACCUMULATOR, AND PUMP MOTOR STARTS / STOPS AT PT SET PT.: 14/15 barg
4. HIGH POINT VENT
5. VISUAL POP-UP INDICATOR

T P — PRESSURE TESTING POINT

PROCESS CONTROL SYSTEM

CONDITION MONITORING SYSTEM

MCC — MOTOR CONTROL CENTRE

FIELD MOUNTED INSTRUMENT

LOCAL PANEL MOUNTED INSTRUMENT

PROCESS SHUTDOWN SYSTEM

INSTRUMENT B&B VALVE

SCREWED PLUG

MEMBRAN PUMP

LIQUID RING PUMP

GENERAL NOTES:

ALL EQUIPMENT TAG NO'S SHOWN ARE FOR P-4403A. FOR ALL P-4403B EQUIPMENT TAG NO'S REPLACE A WITH B AND FOR ALL P-4403C EQUIPMENT TAG NO'S REPLACE A WITH C.

ALL VALVE TAG NO'S SHOWN ARE FOR P-4403A. FOR ALL P-4403B VALVE TAG NO'S REPLACE A WITH B AND FOR ALL P-4403C VALVE TAG NO'S REPLACE A WITH C.

ALL LINE NO'S SHOWN ARE FOR P-4403A. FOR ALL P-4403B LINE NO'S REPLACE 445XX WITH 446XX AND FOR ALL P-4403C LINE NO'S REPLACE 445XX WITH 447XX.

ALL NON-COMPLIANT TUBING MARKED RED.

Ø TUBING	WALL THICKNESS	MATERIAL
10mm	- mm	HASTELLOY C276
18mm	- mm	6Mo
20mm	- mm	6Mo
25mm	- mm	6Mo

Nexen Petroleum (U.K.) Limited
Golden Eagle Area Development

VENDOR : Frank Mohn AS

EQUIPMENT TITLE : WATER INJECTION PUMPS

EQUIPMENT TAG NO(S) : P-4403 A/B/C

GEAD Vendor Document Number

Purchase Order Number	Doc Type Code	Seq. No	Rev.	DATE
168397-200-PO-3272 -	MC2 -	005	08	10.09.12

INCLUDED DOCUMENT CODES : TOTAL SHEETS : 01

✓	F	Final (accepted) – manufacturing may proceed.
	A	Qualified Release – revise and re-submit. Manufacturing may proceed subject to incorporation of comments.
	R	Rejected – revise and re-submit. Manufacturing may not proceed.
	I	Accepted for information only.

Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.

Engineer : Date: 3/10/12

R.	Zone	R.O.no.	Sign./Date	Ctrl
G		AS BUILT	ATJ/10-Sep-12	TLo
F		AS BUILT	ATJ/15-Aug-12	TLo
E		UPDATE	ATJ/23-Jan-12	TLo
D		UPDATE	ATJ/19-Dec-11	TLo
C		UPDATE	ATJ/28-Nov-11	TLo
B		UPDATE	ATJ/04-Nov-11	TLo
A		UPDATE	ATJ/26-Sep-11	TLo

Item | Qty | Id. no

This drawing is our property. It is not to be traced, copied or published without our written consent, nor to be misused in any way.

Project. used | Original Scale

Description	Status	Sign.	Date
	Constr.	ATJ	15.08.11
	Drawn by	ATJ	15.08.11
	Checked	WBI	15.08.11
	Prot. rel.		
	Prod. rel.	TLo	15.08.11

Drg. no./Type

Frank Mohn AS
FRAMO

P&ID
SEAL BARRIER SYSTEM

Material

Weld. drg./Cast. drg.

Replaces:

1735-010-1

Replaced by: