filter A

false activation

filter B

false activation

AK-V-5133 HP FUEL GAS SCRUBBER	
DESIGN PRESSURE	22.0 BARS
DESIGN TEMPERATURE	+70°C/-47°C
SIZE	730mm ID x 2900mm TAN/SEAM
VESSEL TRIM	AK-VT-51003-31472

AK-S-5132A/B FUEL GAS FILTER/SEPARATOR	
DESIGN PRESSURE	22.0 BARS
DESIGN TEMPERATURE	+70°C/-47°C
SIZE	457mm ID x 2767mm TAN/SEAM
VESSEL TRIM	AK-VT-51004-31472 AK-VT-51005-31472

AK-E-5131 FUEL GAS HEATER	
DESIGN PRESSURE	22.0 BARS
DESIGN TEMPERATURE	+97°C/-47°C
DUTY	169 KW
VESSEL TRIM	AK-VT-51006-31472

NOTES

1- FOR SYMBOLS AND GENERAL NOTES REFER TO DRAWING No. AKA-001-PX-2365-00000-001/002/003/004/005.
2- THYRISTOR CONTROL PANEL SUPPLIED BY VENDOR AND LOCATED IN SAFE AREA (FIELD AUXILARY ROOM)
3- DELETED.
4- DELETED.
5- NO POCKETS.
6- OUTLET PIPING TO BE SELF DRAINING TO FLARE KO DRUM. MINIMUM SLOPE SHALL BE 1:200 FOR SUB-HEADERS AND 1:500 FOR MAIN HEADERS. NO POCKETS.
7- DELETED
8- LOW POINT DRAIN.
9- GAP CONTROL.
10- DELETED.
11- ITEMS MARKED BY ** SHALL BE SUPPLIED BY ELECTRIC HEATER SUPPLIER.
12- VESSEL/FILTER LIQUID LEVELS ARE AS INDICATED BELOW.

LIQUID LEVEL SETTINGS	VALUE	AK-V-5133	AK-S-5132 A/B BOTTOM COMPARTMENT	AK-S-5132 A/B TOP COMPARTMENT
HHLL	MM	850	400 NOTE 23	N/A
HLL	MM	750	300 NOTE 23	354 NOTE 24
NLL	MM	NOTE 9	200 NOTE 23	208 NOTE 24
LLL	MM	400	100 NOTE 23	105 NOTE 24

13- PRESSURE RELIEF VALVE SIZE CONTROLLING CASE IS CONTROL VALVE FAILURE.
14- PRESSURE RELIEF VALVE SIZE CONTROLLING CASE IS FIRE.
15- DELETED.
16- ELECTRICAL TRACING
17- REFER TO INSTRUMENT DETAIL 'TYPICAL-1' ON DRAWING No. AKA-001-PX-2365-00000-004.
18- REFER TO INSTRUMENT DETAIL 'TYPICAL-2' ON DRAWING No. AKA-001-PX-2365-00000-004.
19- LINE TO BE ADEQUATELY SUPPORTED.
20- VALVE TO BE LOCATED AT CRP BATTERY LIMIT
21- VALVE TO BE EQUIPPED WITH MECHANICAL STOP AT 5% TO ENABLE INLET PIPING DEPRESSURIZING.
22- ISOLATING FLANGE KIT.
23- LIQUID LEVELS ARE MEASURED FORM BOTTOM SECTION WELD LINE.
24- LIQUID LEVELS ARE MEASURED FORM ESP PLATE.
25- DELETED.

THIS DRAWING IS ISSUED BY ENPPI BEING THE DETAILED ENGINEERING CONTRACTOR FOR THIS PROJECT NO. 3522-200 BASED ON SHELL UMP DRAWING NUMBER AKA-001-PX-2365-00051-001 REVISION A01 ISSUED DURING FEED STAGE

ALL PROJECT CONTINUATION FLAGS ARE PRECEDED BY AKA-001-PX-2365-

REV	DATE	DESCRIPTION	PROCESS	PROCESS LOAD ENG.	PIPING	INST.	START-UP	PROCESS DEPT. MGR.	P.T.D.M.	PCM	CLIENT
7	28 DEC. 14	AS-BUILT ISSUE									
6	09 JAN. 14	APPROVED FOR CONSTRUCTION	SIGNATURE ON RECORD								
5	14 FEB. 13	APPROVED FOR CONSTRUCTION	SIGNATURE ON RECORD								
4	13 DEC. 12	APPROVED FOR CONSTRUCTION WITH HOLD	SIGNATURE ON RECORD								
3	03 SEP. 12	RE-ISSUED FOR DESIGN	SIGNATURE ON RECORD								
2	03 JUNE 12	RE-ISSUED FOR DESIGN	SIGNATURE ON RECORD								
1	03 APR. 12	APPROVED FOR DESIGN	SIGNATURE ON RECORD								
0	15 MAR. 12	ISSUED FOR DESIGN APPROVAL	SIGNATURE ON RECORD								

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BADR PETROLEUM COMPANY

FOR BAPETCO — لاجل شركه بدر الدين للبترول
AT WESTERN DESERT, EGYPT — الوجه الصحراء الغربيه ، مصر

ASSIL AND KARAM GAS DEVELOPMENT PROJECT
FUEL GAS SKID
PROCESS ENGINEERING FLOW SCHEME

الشركه الهندسيه للصناعات البترولية والكيماوية
Enppi إنبي
ENGINEERING FOR THE PETROLEUM AND PROCESS INDUSTRIES

SCALE	ENPPI PROJECT NO.	DRAWING NUMBER	REVISION
NONE	3522-200	AKA-001-PX-2365-00051-001	7