ITEM	147-D-102 A
SERVICE	MEDIUM PRESSURE SUCTION DRUM
ID x TL. TL	1600 mm x 3400 mm
DES. PRESS.	18.0 barg
DES. TEMP.	MIIN: -44 °C/MAX: 85 °C
INSULATION	C

FROM CONTROL ANTI SURGE 147-0030-0112

FX 0187 A

ATM

TYP. No. 7C

NOTE 10

NOTE 3

FZL 0187 A

FZS 0187 A

FV 0182 A

FROM REFRIGERANT COMPRESSOR 147-0030-0114 147-K-101 A

6"-PR.147.10055-D21-P

1%

6"x4"

4"x6"

4"

D21 B21

6"x10"

10"-PR.147.10057-B21-C ANTI-SURGE

SEE DETAIL "A"

SD3 343

FORCE TO 0%

TIC 0164 A

TT 0164 A

TO SECOND STAGE REFRIGERANT COMPRESSOR 147-0030-0112 147-K-101 A

12"-PR.147.10075-B21-C

PR.147.10143 FT.147.10022

NOTE 7

1.5F2 18.0

PSV 0163 A

6"x2"

6"-FT.147.10022-B21-N

NOTE 9

FT

3"x1 1/2"

3/4"

FB CSO

2"

N C FT PR

3"-PR.147.10143-B21-C

SD3 344

TYP. No. 3

BDV 0163 A

RO 0163 A

MIN

6"x3"

3/4"

D

FB CSO

6"-FT.147.10022-B21-N

FO FB TSO NOTE 12

600 MM

PR.147.10103 FT.147.10022

FROM REFRIGERANT SURGE DRUM 147-0030-0114 147-D-104

4"-PR.147.10059-D21-N

TV 0164 A

FC

CSC FB

3/4" N C

FB CSC 3/4"

4"x6"

6"-PR.147.10061-B21-C DESUPERHEATING

NOTES 4

1000 MIN

3/4"-PR.147.10036-D21-N

B23 D21

I.F.

DP

3"-DP.147.10042-B23-U

U/G A/G

RBF 3"x3/4"

SD3 343

TYP. No. 5C

SDV 0161 A

FC TSO

2"

NOTE 15

HIGH POINT

(10")PR.147.10177-B21-C

12"-PR.147.10036-B21-C

10 D MIN STRAIGHT LENGTH NOTE 2

147-D-102 A

PR.147.10105-B21-C

12"

2"

3" SP

NOTE 5

3"-PR.147.10103-B21-C

2"-PR.147.10101-B21-N NNF

FROM HP SUCTION DRUM DRAIN 147-0030-0111 147-D-103 A

FROM MP PROPANE CHILLER 147-0030-0114 147-E-102

12"-PR.147.10036-B21-C

6"-PR.147.10057-B21-P

ANTI-SURGE

SNZ 0004

STR 0002

REMOVABLE ELBOW

1000 MIN VERTICAL LENGTH

DETAIL "A"

8"-PR.147.10061-B21-C

DESUPERHEATING

TOP CONNECTION

12"-PR.147.10036-B21-C

LA 0162 A

HH

349 343 341 SD3

24" MW

LT 0162 A

DP

LG 0162 A

NOTE 8

LT 0161 A

LI 0161 A

AT GRADE NOTE 1

LI 0161 A

H

UC 2"

T.L

MIN

FB CSC

C 2" N

3/4"-PR.147.10157-B21-C

TO LP SUCTION DRUM 147-0030-0109 147-D-101 A

2"-PR.147.10081-B21-N

NOTES 1,15

N.C

3/4" FB

3/4" D FB

UC

2"-PR.147.10093-B21-C

2"

NOTE 1

B21 B23

I.F.

3"x2"

A/G U/G

3"-DP.147.10040-B23-U

DP

RBF 2"x3/4"

3/4" FB

NOTES

1. LI-0161A TO BE READABLE FROM GLOBE VALVE.
2. 10 D MINI OF STRAIGHT LENGTH TO BE PROVIDED BETWEEN ANTISURGE INJECTION POINT AND INLET NOZZLE.
3. PROVIDE ALARM IF NOT CLOSED.
4. LENGTH TO BE MINIMISED IF INVENTORY IS HIGHER THAN 100 BAR x m³ (GAS), OR 2 TONNES OF LIQUID OR MORE BDV TO BE PROVIDED.
5. FOR LIMIT OF INSULATION OF THE PSV REFER TO TYPICAL NO. 7 ON PID NO. PID-1718-999-0030-0005. 9
6. DELETED.
7. SPARE RELIEF VALVE STORED IN WAREHOUSE.
8. LEVEL DRAINS ACCORDING TO DETAILS REPORTED IN PID-1718-999-0030-0008 FOR THE DRAIN LINES REFER TO DRAINS DISTRIBUTION PID-1718-147-0040-0005.
9. CONNECTED TO PHASE 17 OR 18.
10. ANTI SURGE RECYCLE VALVE IN MACHINE VENDOR SCOPE OF SUPPLY.
11. DELETED.
12. LINE AND BDV TO BE SIZED FOR COMPRESSOR EMERGENCY DEPRESSURIZATION.
13. LOCATED AT HIGH POINT IN SYSTEM. 9
14. DELETED.
15. MIN. DISTANCE BETWEEN BLOCK AND GLOBE VALVES SHALL BE 600 mm.

GENERAL NOTES

ALL INSTRUMENT TAGS TO READ:

	LETTERS	NUMBER
1471	FFF	NNNN

EQUIPMENT LIST

DRUM			
147-D-102 A			

UTILITY PID NUMBER

FT — PID-1718-191-0040-0004 (SHEET 1 OF 2)

DP — PID-1718-191-0040-0005

FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	AUTH.
9	02.SEP.2014	APPROVED FOR CONSTRUCTION	IDRO	RT	GS	GS	MD
8	20.OCT.2013	APPROVED FOR CONSTRUCTION	IDRO	MS	GS	GS	MD
7	25.SEP.2013	APPROVED FOR CONSTRUCTION	IDRO	MS	GS	GS	MD
6	11.JUN.2013	APPROVED FOR CONSTRUCTION	IDRO	RS	NS	MF	MD
5	07.DEC.2010	ISSUED FOR APPROVAL	IDRO	NA	NS	MF	AKH
4	10.JAN.2010	ISSUED FOR APPROVAL	IDRO	AD	AD	MF	AKH
3	15.DEC.2008	ISSUED FOR COMMENT	IDRO	NB	NZ	MF	AKH
2	01/02/08	APPROVED FOR DESIGN	WP	RI	AF	RPW	MS
1	26/10/07	ISSUED FOR HAZOP	WP	RI	AB	RPW	MS
0	01/09/07	ISSUED FOR COMPANY APPROVAL	WP	RI	AF	RPW	MS

SOUTH PARS GAS FIELD DEVELOPMENT–
PHASES 17 & 18, ASSALUYEH–IRAN
ONSHORE FACILITIES

NIOC PARS OIL AND GAS COMPANY

PROJECT No.: POGC-84-801-244 | DOC. CLASS. 1 | SCALE : N/A

Worley Parsons | IDRO | OIEC | IOEC

TITLE: UNIT 147:PROPANE STORAGE AND EXPORT PROPANE REFRIGERANT MEDIUM PRESSURE SUCTION DRUM"A" PIPING AND INSTRUMENT DIAGRAM

DWG No. PID-1718-147-0030-0110 | SHEET No. 1 OF 1 | REV. 9

SIZE: A1