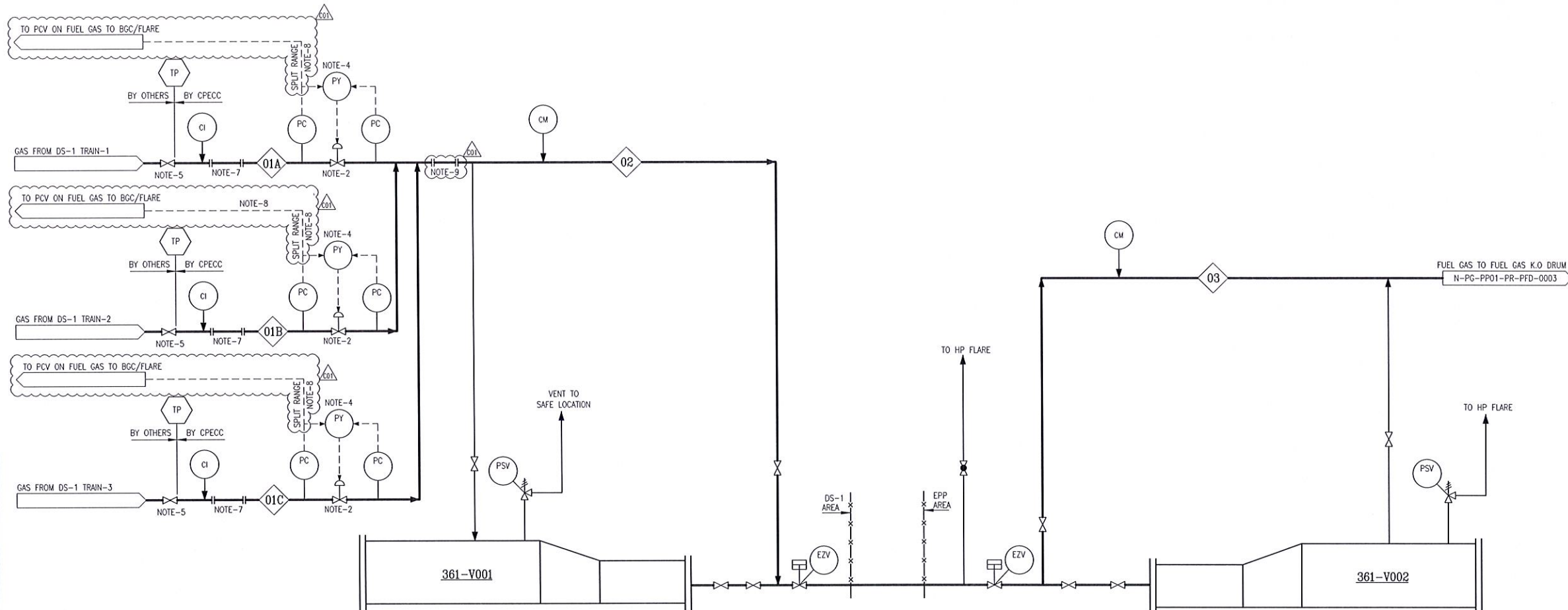


PP01-361-V001
SCRAPER LAUNCHER (DS-1)

SIZE : MAJOR BARREL 610 mm DIA / MINOR BARREL 508 mm DIA
 DESIGN PRESS./TEMP. : 45 barg/-29~100°C
 OPERATING PRESS./TEMP. : 10~11 barg/20~80°C

PP01-361-V002
SCRAPER RECEIVER (DS-1)

SIZE : MAJOR BARREL 610 mm DIA / MINOR BARREL 508 mm DIA
 DESIGN PRESS./TEMP. : 45 barg/-29~100°C
 OPERATING PRESS./TEMP. : 10~11 barg/20~80°C



NOTES:

1. DELETED.
2. CONTROL VALVE SHALL BE LOCATED NEAR THE TIE-IN POINT.
3. DELETED.
4. ON HIGH PRESSURE IN THE PIPELINE, THE PRESSURE CONTROLLER OF THE TRAIN SEPARATORS SHALL BE OVERRIDDEN, VIA A LOW CONTROL SIGNAL SELECTOR, BY A PIPELINE HIGH PRESSURE PROTECTIVE CONTROLLER.
5. AS PER COMPANY'S ADDITIONAL REQUIREMENT OPERATOR SHALL LINE UP MAX. 2 NOS. OF TRAINS FROM DS-1, DS-3 OR DS-1 AND DS-3. OTHER THREE (3) TRAINS TO BE KEPT ISOLATED.
6. FOR ALL THE STREAM NUMBERS & DETAILS REFER TO HEAT AND MATERIAL BALANCE DOC. NO. 100478CP-N-PG-PP01-PR-PFD-0006 SHT. 1 TO 10.
7. A SACRIFICIAL SPOOL PIECE OF 100 LENGTH DOWN STREAM OF CI POINT WILL BE CONSTRUCTED OF LTCS + 6 mm CA. SACRIFICIAL SPOOL SHALL BE INSPECTED FOR CORROSION THROUGH ULTRA SONIC TESTING.
8. SPLIT RANGE CONTROLLER ACTION WILL BE ON INCREASE IN SEPARATOR PRESSURE, GAS FLOW WILL BE ROUTED TO EPP AS PRIMARY USER AND THEN TO BGC/FLARE LINE SECONDARY USER.
9. FOR FUTURE DS-1 KOD CONNECTION.

LEGEND:-

- ◇ - STREAM NUMBER
- CI - CORROSION INHIBITOR INJECTION
- CM - CORROSION MONITORING

C01	23.06.16	ISSUED FOR CONSTRUCTION	DX	VU	AB	SQ
D01	10.03.16	ISSUED FOR USE (DD)	DX	DM/VU	AB	SQ
H01	10.11.15	ISSUED FOR HAZOP (DD)	DX	SJ/VU	TT	SQ
G01	04.10.15	ISSUED FOR REVIEW (DD)	DX	SJ/RS	TT	SQ
B03	04.08.15	APPROVED FOR COMPLETION OF FEED	DX	HM/RS	TT	SQ
B02	26.05.15	ISSUED FOR DESIGN	DX	HM/RS	TT	SQ
B01	19.03.15	ISSUED FOR FEED HAZOP	DX	HM/RS	TT	SQ
A02	08.02.15	RE-ISSUED FOR COMPANY REVIEW	DX	HM/RS	VM	JF
A01	15.01.15	ISSUED FOR COMPANY REVIEW	DX	RS	VM	JF
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D	

EARLY POWER PLANT
 RUMAILA OIL FIELD
 CONTRACT NO. 100478

中国石油化工工程建设公司
 CHINA PETROLEUM ENGINEERING & CONSTRUCTION CORP.

CH2MHILL

DRAWING TITLE:
 PROCESS FLOW DIAGRAM
 DS-1 SCRAPER LAUNCHER AND
 SCRAPER RECEIVER SYSTEM

PROJECT NO.	100478CP	SCALE:	NONE	DWG. SIZE:	A1
DRAWING NUMBER:	100478CP-N-PG-PP01-PR-PFD-0001-001	SHT. NO.:	01/01	REV.	C01

CAD FILENAME: 100478CP-N-PG-PP01-PR-PFD-0001-001-C01.DWG

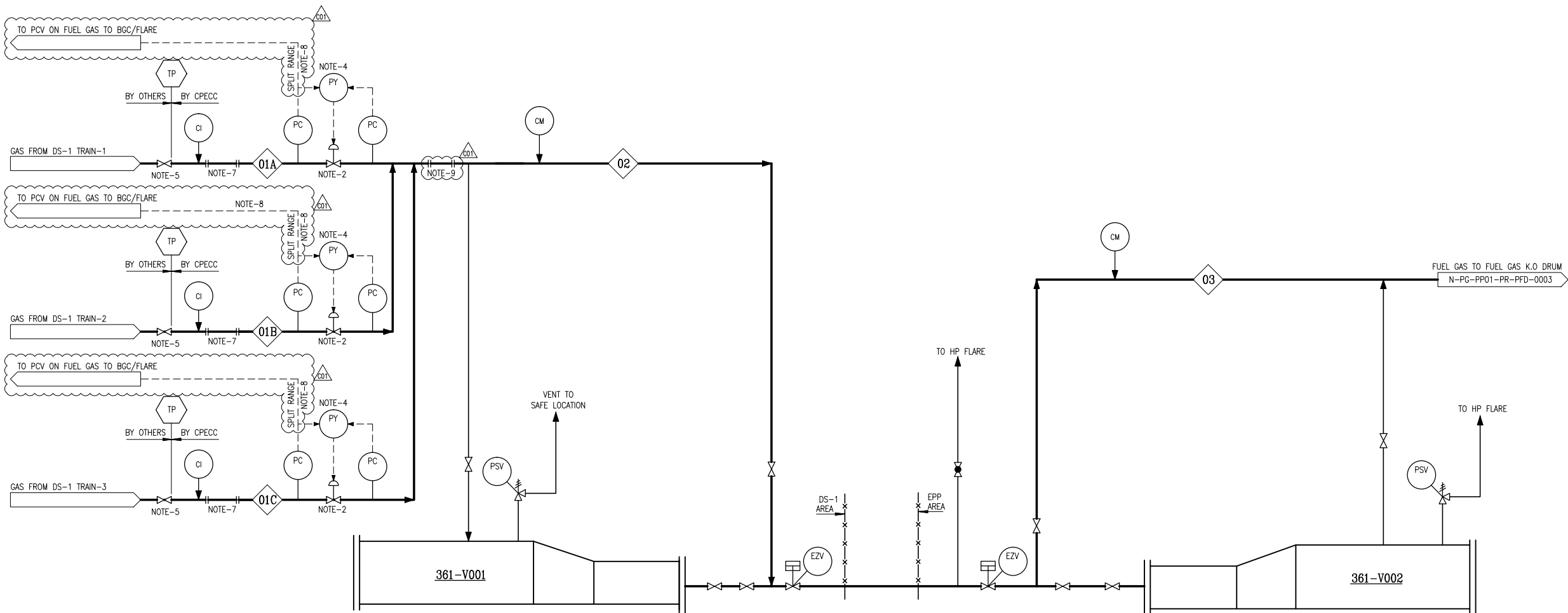
NOTICE: THIS DRAWING AND THE INFORMATION IT CONTAINS IS THE SOLE PROPERTY OF RUMAILA OPERATING ORGANIZATION

SIZE : MAJOR BARREL 610 mm DIA / MINOR BARREL 508 mm DIA
DESIGN PRESS./TEMP. : 45 barg/-29~100°C
OPERATING PRESS./TEMP. : 10~11 barg/20~80°C

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9. FOR FUTURE DS-1 KOD CONNECTION.

LEGEND:—

-  - STREAM NUMBER
-  - CORROSION INHIBITOR INJECTION
-  - CORROSION MONITORING

C01	23.06.16	ISSUED FOR CONSTRUCTION	DX	VU	AB	SQ
D01	10.03.16	ISSUED FOR USE (DD)	DX	DM/VU	AB	SQ
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A01	15.01.15	ISSUED FOR COMPANY REVIEW	DX	RS	VM	JF
REV	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D	



EARLY POWER PLANT
RUMAILA OIL FIELD
CONTRACT NO. 100478



中国石油工程建设公司
CHINA PETROLEUM ENGINEERING & CONSTRUCTION CORP.



CH2MHILL

DRAWING TITLE:

PROCESS FLOW DIAGRAM DS-1 SCRAPER LAUNCHER AND SCRAPER RECEIVER SYSTEM

PROJECT NO.	100478CP	SCALE:	NONE	DWG SIZE:	A1
DRAWING NUMBER:				SHT. NO.:	REV.
100478CP-N-PG-PP01-PR-PFD-0001-001				01/01	C01