طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR CONTROL SYSTEM

نگهداشت و افزایش تولید میدان نفتی بینک

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Rev.	**Date**	**Purpose of Issue / Status**	**Prepared by:**	**Checked by:**	**Approved by:**	**CLIENT Approval**

Class: 1 **CLIENT Doc. Number: F0Z-708968**

status:

IDC: Inter-Discipline Check

IFC: Issued For Comment

IFA: Issued For Approval

AFD: Approved For Design

AFC: Approved For Construction

AFP: Approved For Purchase

AFQ: Approved For Quotation

IFI: Issued For Information

AB-R: As-Built for CLIENT Review

AB-A: As-Built –Approved

NISOC

نگهداشت و افزایش تولید میدان نفتی بینک

سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

I/O LIST FOR CONTROL SYSTEM

شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	
053 - 073 – 9184	BK	GCS	PEDCO	120	IN	LI	0002	D05	شماره صفحه: 2 از 28

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	D05	D06	D07	Page	D00	D01	D02	D03	D04	D05	D06	D07
1	X	X	X	X	X	X			65								
2	X	X	X	X	X	X			66								
3	X	X	X	X	X	X			67								
4	X	X	X	X	X	X			68								
5	X	X	X	X	X	X			69								
6	X	X	X	X	X	X			70								
7	X	X	X	X	X	X			71								
8	X	X	X	X	X	X			72								
9	X	X	X	X		X			73								
10	X	X	X	X		X			74								
11	X	X	X	X		X			75								
12	X	X	X	X	X	X			76								
13		X	X	X	X	X			77								
14		X	X	X	X	X			78								
15		X	X	X	X	X			79								
16		X	X	X	X	X			80								
17		X	X	X	X	X			81								
18		X	X	X	X	X			82								
19		X	X	X	X	X			83								
20		X	X		X	X			84								
21			X		X	X			85								
22			X		X	X			86								
23			X		X	X			87								
24			X	X	X	X			88								
25				X		X			89								
26						X			90								
27					X	X			91								
28					X	X			92								
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REFERENCES:

Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PI-0001_D06
P&ID - Gas Compression Inlet Gas Pipeline (Binak)	BK-GCS-PEDCO-120-PR-PI-0002_D08
P&ID - Gas Compression Inlet Gas Pipeline (Golkhari)	BK-GCS-PEDCO-120-PR-PI-0003_D08
P&ID - Slug Catcher System	BK-GCS-PEDCO-120-PR-PI-0004_D10
P&ID - Gas Compression Inlet Knock Out Drum	BK-GCS-PEDCO-120-PR-PI-0005_D10
P&ID - 1st Stage Gas Compression Suction Drums	BK-GCS-PEDCO-120-PR-PI-0006_D10
P&ID - 1st Stage Gas Compression Compressors	BK-GCS-PEDCO-120-PR-PI-0007_D09
P&ID - 1st Stage Gas Compression Air Coolers	BK-GCS-PEDCO-120-PR-PI-0008_D10
P&ID - 2nd Stage Gas Compression Suction Drums	BK-GCS-PEDCO-120-PR-PI-0009_D09
P&ID - 2nd Stage Gas Compression Compressors	BK-GCS-PEDCO-120-PR-PI-0010_D08
P&ID - 2nd Stage Gas Compression Air Coolers	BK-GCS-PEDCO-120-PR-PI-0011_D10
P&ID - 2nd Stage Gas Compression Discharge Drum	BK-GCS-PEDCO-120-PR-PI-0012_D09
P&ID - Gas Compression Dehydration Package	BK-GCS-PEDCO-120-PR-PI-0013_D09
P&ID - Lean Glycol Storage Tank	BK-GCS-PEDCO-120-PR-PI-0014_D09
P&ID - Instrument & Plant Air System	BK-GCS-PEDCO-120-PR-PI-0015_D08
P&ID - Nitrogen Generation System	BK-GCS-PEDCO-120-PR-PI-0016_D08
P&ID - Close Drain System	BK-GCS-PEDCO-120-PR-PI-0017_D09
P&ID - Corrosion Inhibitor Package	BK-GCS-PEDCO-120-PR-PI-0018_D09
P&ID - Methanol Injection Package	BK-GCS-PEDCO-120-PR-PI-0019_D07
P&ID - LP Flare System	BK-GCS-PEDCO-120-PR-PI-0020_D9
P&ID - Oily Water Sewer	BK-GCS-PEDCO-120-PR-PI-0021_D05
P&ID - Fuel Gas System	BK-GCS-PEDCO-120-PR-PI-0022_D09
P&ID - Diesel Oil System	BK-GCS-PEDCO-120-PR-PI-0023_D08
P&ID - Potable Water System	BK-GCS-PEDCO-120-PR-PI-0024_D08
P&ID - Glycol Sump Drum	BK-GCS-PEDCO-120-PR-PI-0025_D09
P&ID - Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001_D06
P&ID - Total Flooding System For Extension of Existing Elect. Building	BK-GCS-PEDCO-120-SA-PI-0002_D03
P&ID - Gas Pipeline (to Siahmakan G.I. Station)	BK-PPL-PEDCO-320-PR-PI-0001_D05
~~Data Sheets For ESD Console/F&G Matrix Panel~~	~~BK-GCS-PEDCO-120-IN-DT-0017_D04~~
~~ESD Level Hierarchy~~	~~BK-GCS-PEDCO-120-IN-DG-0003_D02~~
Electrical I/O Signal List	BK-GCS-PEDCO-120-EL-LI-0005-D03

NOTES:

NOTE 1 : ALL ANALOUGE TRANSMITTERS SHALL BE CONSIDERED INTRINSICALLY SAFE (EEXIA) & ALL OF DIGITAL TRANSMITTERS ARE NON INTRINSICALLY SAFE (EEXD).

NOTE 2 : I/O CARDS & ACCESSORIES SHALL BE SELECTED IN ACCORDANCE WITH "SPECIFICATION FOR CONTROL SYSTEM".

NOTE 3 : DEHYDRATION PACKAGE (PK-2101) HAS ITS OWN UCP AND ALL I/Os REQUIRED FOR DEHYDRATION PACKAGE (PK-2101) WILL BE FINALIZED LATER. FOR MORE DETAILS REFER TO THE PACKAGE DOCUMENTS.

NOTE 4 : THE COMMUNICATION BETWEEN DCS AND ALL PACKAGES SHALL BE CONSIDERED BY DCS VENDOR INCLUDING U**CP-C-2101A**, **UCP-C-2101B**, **UCP-C-2101C** (3 UCP FOR GAS COMPRESSORS), **PK-2101** (1 UCP FOR DEHYDRATION PACKAGE), **PK-AC-2203 A/B** (2 UCP FOR AIR COMPRESSOR & DRYER PACKAGE), AND **PK-G-2204** (1 UCP FOR NITROGEN GENERATION) PACKAGE. ALSO THE PROPER COMMUNICATION FOR ELECTRICAL PART (**SUBSTATION**) SHALL BE CONSIDERED. THE RELATED SIGNALS ARE GIVEN IN SHEET "DATA-LINK SOFTWARE".

NOTE 5: THIS TABLE SHOWS SIGNALS BETWEEN FIELD AND GAS COMPRESSORS' UCPs. **THESE INSTRUMENTS DO NOT HAVE HARDWARE SIGNALS TO GENERAL DCS AND/OR ESD.**
THE COMPLETE NEEDED SIGNALS OF GAS COMPRESSORE HAVE BEEN CONSIDERED IN UCP-C-2101A, UCP-C-2101B, AND UCP-C-2101C SEPARATELY. FOR MORE DETAILS REFER TO P&ID OF COMPRESSOR VENDOR (HAVAYAR).

NOTE 6 : ALL ESD I/Os SHALL BE TRANSMITTED TO THE DCS SYSTEM BY SOFTWARE DATA-LINK.

NOTE 7 : ALL SERIAL DATA LINK OF THE PACKAGES WILL BE FINILIZED AFTER VENDOR DATA.

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DCS I/O SUMMERY COUNT

ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY OF SIGNALS	QTY (+20% SPARE)	REMARKS
1	AI-IS-R	IS	R	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	47	57	NOTES 1,2,3
2	AI-IS-NR	IS	NR	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	32	39	NOTES 1,2,3
3	AO-IS-R	IS	R	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	23	28	NOTES 1,2,3
4	AO-IS-NR	IS	NR	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3
5	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	9	11	NOTES 1,2,3
6	DI-NIS-NR	NIS	NR	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	198	238	NOTES 1,2,3
7	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	18	22	NOTES 1,2,3
8	DO-NIS-NR	NIS	NR	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	61	74	NOTES 1,2,3

~~NOTE 8 : The estimated I/O (No.100) for DEHYDRATION package shall be added to above DCS I/O summary. (refer to note 3).~~

UCP I/O SUMMERY COUNT (NOTE 5)

ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY OF SIGNALS	QTY (+20% SPARE)	REMARKS
1	AI-IS-R	IS	R	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	39	47	NOTES 1,2,3
2	AI-IS-NR	IS	NR	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3
3	AO-IS-R	IS	R	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	3	4	NOTES 1,2,3
4	AO-IS-NR	IS	NR	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3
5	DI-NIS-NR	NIS	NR	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	12	15	NOTES 1,2,3
6	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	0	0	NOTES 1,2,3
7	DO-NIS-NR	NIS	NR	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	9	11	NOTES 1,2,3

ABBREVIATIONS:

I/O	INPUT / OUTPUT	**DCS:**	DISTRIBUTED CONTROL SYSTEM
DI:	DIGITAL INPUT SIGNAL	**ESD:**	EMERGENCY SHUT DOWN SYSTEM
DO:	DIGITAL OUTPUT SIGNAL	**F&G**	FIRE AND GAS CONTROL SYSTEM
AI:	ANALOGUE INPUT SIGNAL	**MCC:**	MOTOR CONTROL CENTER
AO:	ANALOGUE OUTPUT SIGNAL	**IRP:**	INTERPOSING RELAY PANEL
IND:	INDICATION	**CH:**	CHANNEL
STA:	STATUS	**ADD:**	ADDRESS
COM:	COMMAND	**TB:**	TERMINAL BLOCK
IS	INTRINSICALLY SAFE	**R:**	REDUNDANT
NIS	NON INTRINSICALLY SAFE	**NR:**	NON-REDUNDANT

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
1	FCV-2101	Flow Control Valve	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
2	FIT-2101	Flow Transmitter	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
3	TIT-2102	Flow Transmitter	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
4	PIT-2102	Pressure Transmitter	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
5	EZSC-2101	ESDV Limit Switch Close	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
6	EZSO-2101	ESDV Limit Switch Open	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
7	FCV-2102	Flow Control Valve	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
8	FIT-2102	Flow Transmitter	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
9	TIT-2104	Temperature Transmitter	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
10	PIT-2104	Pressure Transmitter	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
11	EZSC-2102	ESDV Limit Switch Close	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	ESD	*	*	*	*	*	*	*	*					X			
12	EZSO-2102	ESDV Limit Switch Open	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	ESD	*	*	*	*	*	*	*	*					X			
13	ZA-2004A	PIG Signaller	TO PR-2002	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
14	ZA-2004B	PIG Signaller	TO PR-2002	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
15	ZA-2102B	PIG Signaller	TO PR-2002	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
16	HSL-2003	Hand Switch Local/Remot (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
17	XF-2003	Fault Feedback (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
18	MZTO-2003	Torque Limit Switch Open (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
19	MZTC-2003	Torque Limit Switch Close (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
20	MZIO-2003	Limit Switch Open (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
21	MZIC-2003	Limit Switch Close (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
22	MSO-2003	Valve Open Command (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
23	MSC-2003	Valve Close Command (MOV-2003)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
24	HSL-2004	Hand Switch Local/Remot (MOV-2004)	GAS FROM GOLKHARI/TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
25	XF-2004	Fault Feedback (MOV-2004)	GAS FROM GOLKHARI/TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
26	MZTO-2004	Torque Limit Switch Open (MOV-2004)	GAS FROM GOLKHARI/TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
27	MZTC-2004	Torque Limit Switch Close (MOV-2004)	GAS FROM GOLKHARI/TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
28	MZIO-2004	Limit Switch Open Status (MOV-2004)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
29	MZIC-2004	Limit Switch Close Status (MOV-2004)	TO PR-2102	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
30	MSO-2004	Valve Open Command (MOV-2004)	GAS FROM GOLKHARI/TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
31	MSC-2004	Valve Close Command (MOV-2004)	GAS FROM GOLKHARI/TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
32	PIT-2112	Pressure Indicator Transmitter	V-2104	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
33	PDIT-2111	Diff. Pressure Indicator Transmitter	V-2104	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
34	LIT-2111	Level Indicator Transmitter (DP)	V-2104	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
35	EZSO-2112	ESDV Limit Switch Open	From P-2101A/B TO Flare Header	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
36	EZSC-2112	ESDV Limit Switch Close	From P-2101A/B TO Flare Header	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
37	FIT-2111	Flow Indicator Transmitter	From P-2101A/B TO Flare Header	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
38	FCV-2111	Flow Control Valve	From P-2101A/B TO Flare Header	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
39	PIT-2114	Pressure Indicator Transmitter	From P-2101A/B TO Flare Header	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
40	XL-2111A	Local / Remote Status	P-2101A	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
41	XR-2111A	Running/Stop Status	P-2101A	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
42	XF-2111A	Fault Status	P-2101A	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
43	XSP-2111A	STOP Command	P-2101A	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
44	XL-2111B	Local / Remote Status	P-2101B	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
45	XR-2111B	Running/Stop Status	P-2101B	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
46	XF-2111B	Fault Status	P-2101B	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
47	XSP-2111B	STOP Command	P-2101B	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
48	TIT-2112	Temperature Indicator Transmitter	FROM SLUG CATCHER DRUM (V-2104) /Inlet Knock Out Drum (V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
49	PIT-2117	Pressure Indicator Transmitter	Knock Out Drum (V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
50	PDIT-2112	Diff. Pressure Indicator Transmitter	Knock Out Drum (V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
51	EZSO-2113	ESDV Limit Switch Open	Outlet (V-2105) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0005	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
52	EZSC-2113	ESDV Limit Switch Close	Outlet (V-2105) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0005	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
53	LIT-2119	Level Indicator Transmitter	V-2105	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
54	LCV-2114	Level Control Valve	Outlet (V-2105) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0005	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
55	BZSO-2110	Blowdown Limit Switch Open	From V-2105 to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0005	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
56	BZSC-2110	Blowdown Limit Switch Close	From V-2105 to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0005	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
57	PIT-2121A	Pressure Indicator Transmitter	Outlet V-2101-A /to 1st Stage Compressore (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
58	PI-2121A	Pressure Control Valve	Outlet V-2101-A /to 1st Stage Compressore (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AO-IS-R	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*						X		
59	PDIT-2121A	Diff. Pressure Indicator Transmitter	V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
60	LIT-2121A	Level Indicator Transmitter	V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			

I/O List For Control System

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
61	PSOV-2121A	Solenoid Valve	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
62	XZSC-2121A	Limit Switch Close	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
63	XZSO-2121A	Limit Switch Open	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
64	PSOV-2122A	Solenoid Valve	Outlet (V-2101-A) To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
65	XZSC-2122A	Limit Switch Close	Outlet (V-2101-A) To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
66	XZSO-2122A	Limit Switch Open	Outlet (V-2101-A) To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
67	PIT-2121B	Pressure Indicator Transmitter	Outlet V-2101-B /to 1st Stage Compressore (C-2101B)	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
68	PI-2121B	Pressure Control Valve	Outlet V-2101-A /to 1st Stage Compressore (C-2101B)	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AO-IS-R	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*						X		
69	PDIT-2121B	Diff. Pressure Indicator Transmitter	V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
70	LIT-2121B	Level Indicator Transmitter	V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
71	PSOV-2121B	Solenoid Valve	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
72	XZSC-2121B	Limit Switch Close	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
73	XZSO-2121B	Limit Switch Open	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
74	PSOV-2122B	Solenoid Valve	Outlet (V-2101-B) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
75	XZSC-2122B	Limit Switch Close	Outlet (V-2101-B) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
76	XZSO-2122B	Limit Switch Open	Outlet (V-2101-B) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
77	PIT-2121C	Pressure Indicator Transmitter	Outlet V-2101-C /to 1st Stage Compressore (C-2101C)	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
78	PI-2121C	Pressure Control Valve	Outlet V-2101-A /to 1st Stage Compressore (C-2101C)	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AO-IS-R	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*						X		
79	PDIT-2121C	Diff. Pressure Indicator Transmitter	V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
80	LIT-2121C	Level Indicator Transmitter	V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
81	PSOV-2121C	Solenoid Valve	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
82	XZSC-2121C	Limit Switch Close	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
83	XZSO-2121C	Limit Switch Open	From 1st stage Gas Compression suction manifold to to 1st stage Gas Compression suction drum train C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
84	PSOV-2122C	Solenoid Valve	Outlet (V-2101-C) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
85	XZSC-2122C	Limit Switch Close	Outlet (V-2101-C) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
86	XZSO-2122C	Limit Switch Open	Outlet (V-2101-C) /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
87	TIT-2121A	Temperature Indicator Transmitter	From 1ST Stage Gas Comp. Suction Drum (V-2101A) /To C-2101-A	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
-	~~XSS-2124A~~	~~Start Permission~~	1ST Gas Compressore Train#A (C-2101A)	~~BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)~~	~~DI-NIS-NR~~	~~UCP-GC-2101A~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
88	XSS-2126A	Request Start Permission from C-2101A	1ST Gas Compressore Train#A (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-R	UCP-GC-2101A	DCS	*	*	*	*	*	*	*	*					X			D05 Added
89	XR-2124A	Running/Stop Status	1ST Gas Compressore Train#A (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-R	UCP-GC-2101A	DCS	*	*	*	*	*	*	*	*					X			D05 Added
90	XSS-2123A	Start Permission	1ST Gas Compressore Train#A (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-R	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*						X		D05 Modified
-	~~XSP-2123A~~	~~Stop Command~~	1ST Gas Compressore Train#A (C-2101A)	~~BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)~~	~~DO-NIS-NR~~	~~DCS~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted
-	~~BZSO-2122A~~	~~Blowdown Limit Switch Open~~	~~C-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
-	~~BZSC-2122A~~	~~Blowdown Limit Switch Close~~	~~C-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
91	TIT-2121B	Temperature Indicator Transmitter	From 1ST Stage Gas Comp. Suction Drum (V-2101B) /To C-2101-B	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
-	~~XSS-2124B~~	~~Start Permission~~	~~1ST Gas Compressore Train#B (C-2101B)~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)~~	~~DI-NIS-NR~~	~~UCP-GC-2101B~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
92	XSS-2126B	Request Start Permission from C-2101B	1ST Gas Compressore Train#A (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-R	UCP-GC-2101B	DCS	*	*	*	*	*	*	*	*					X			D05 Added
93	XR-2124B	Running/Stop Status	1ST Gas Compressore Train#B (C-2101B)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-R	UCP-GC-2101B	DCS	*	*	*	*	*	*	*	*					X			D05 Added
94	XSS-2123B	Start Permission	1ST Gas Compressore Train#B (C-2101B)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-R	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*						X		D05 Modified
-	~~XSP-2123B~~	~~Stop Command~~	1ST Gas Compressore Train#B (C-2101B)	~~BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)~~	~~DO-NIS-NR~~	~~DCS~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted
-	~~BZSO-2122B~~	~~Blowdown Limit Switch Open~~	~~C-2101-B~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
-	~~BZSC-2122B~~	~~Blowdown Limit Switch Close~~	~~C-2101-B~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
95	TIT-2121C	Temperature Indicator Transmitter	From 1ST Stage Gas Comp. Suction Drum (V-2101C) /To C-2101-C	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
-	~~XSS-2124C~~	~~Start Permission~~	1ST Gas Compressore Train#C (C-2101C)	~~BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)~~	~~DI-NIS-NR~~	~~UCP-GC-2101C~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
96	XSS-2126C	Request Start Permission from C-2101C	1ST Gas Compressore Train#A (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-R	UCP-GC-2101C	DCS	*	*	*	*	*	*	*	*					X			D05 Added
97	XR-2124C	Running/Stop Status	1ST Gas Compressore Train#C (C-2101C)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-R	UCP-GC-2101C	DCS	*	*	*	*	*	*	*	*					X			D05 Added
98	XSS-2123C	Start Permission	1ST Gas Compressore Train#C (C-2101C)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-R	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*						X		D05 Modified
-	~~XSP-2123C~~	~~Stop Command~~	1ST Gas Compressore Train#C (C-2101C)	~~BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)~~	~~DO-NIS-NR~~	~~DCS~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted
-	~~BZSO-2122C~~	~~Blowdown Limit Switch Open~~	~~C-2101-C~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
-	~~BZSC-2122C~~	~~Blowdown Limit Switch Close~~	~~C-2101-C~~	~~BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
99	XF-2121A	Fault Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2121A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
100	XR-2121A	Running/Stop Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2121A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
101	XL-2121A	Local / Remote Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2121A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
102	XSP-2121A	Stop Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2121A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
103	XSS-2121A	Start Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2121A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
104	XF-2122A	Fault Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2122A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
105	XR-2122A	Running/Stop Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2122A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR		DCS	*	*	*	*	*	*	*	*					X			
106	XL-2122A	Local / Remote Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2122A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
107	XSP-2122A	Stop Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2122A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
108	XSS-2122A	Start Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A) /(AC-2122A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
109	TIT-2126A	Temperature Indicator Transmitter	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
110	TY-2122A	Cooler Actuator Positioner	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
111	XF-2121B	Fault Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2121B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
112	XR-2121B	Running/Stop Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2121B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
113	XL-2121B	Local / Remote Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2121B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
114	XSP-2121B	Stop Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2121B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
115	XSS-2121B	Start Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2121B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
116	XF-2122B	Fault Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2122B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
117	XR-2122B	Running/Stop Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2122B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
118	XL-2122B	Local / Remote Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2122B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
119	XSP-2122B	Stop Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2122B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
120	XSS-2122B	Start Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B) /(AC-2122B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
121	TIT-2126B	Temperature Indicator Transmitter	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
122	TY-2122B	Cooler Actuator Positioner	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
123	XF-2121C	Fault Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2121C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
124	XR-2121C	Running/Stop Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2121C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
125	XL-2121C	Local / Remote Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2121C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
126	XSP-2121C	Stop Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2121C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
127	XSS-2121C	Start Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2121C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
128	XF-2122C	Fault Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2122C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
129	XR-2122C	Running/Stop Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2122C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
130	XL-2122C	Local / Remote Status	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2122C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
131	XSP-2122C	Stop Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2122C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
132	XSS-2122C	Start Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C) /(AC-2122C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
133	TIT-2126C	Temperature Indicator Transmitter	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
134	TY-2122C	Cooler Actuator Positioner	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
135	PDIT-2131A	Diff. Pressure Indicator Transmitter	V-2102-A	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
136	LIT-2131A	Level Indicator Transmitter	V-2102-A	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
137	PSOV-2131A	Solenoid Valve	FROM V-2102-A / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
138	XZSC-2131A	Limit Switch Close	FROM V-2102-A / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
139	XZSO-2131A	Limit Switch Open	FROM V-2102-A / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
140	BZSO-2134A	Blowdown Limit Switch Open	From V-2102-A to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
141	BZSC-2134A	Blowdown Limit Switch Close	From V-2102-A to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
142	PDIT-2131B	Diff. Pressure Indicator Transmitter	V-2102-B	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
143	LIT-2131B	Level Indicator Transmitter	V-2102-B	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
144	PSOV-2131B	Solenoid Valve	FROM V-2102-B / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
145	XZSC-2131B	Limit Switch Close	FROM V-2102-B / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
146	XZSO-2131B	Limit Switch Open	FROM V-2102-B / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
147	BZSO-2134B	Blowdown Limit Switch Open	From V-2102-B to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
148	BZSC-2134B	Blowdown Limit Switch Close	From V-2102-B to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
149	PDIT-2131C	Diff. Pressure Indicator Transmitter	V-2102-C	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
150	LIT-2131C	Level Indicator Transmitter	V-2102-C	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
151	PSOV-2131C	Solenoid Valve	FROM V-2102-C / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
152	XZSC-2131C	Limit Switch Close	FROM V-2102-C / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
153	XZSO-2131C	Limit Switch Open	FROM V-2102-C / To Close Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
154	BZSO-2134C	Blowdown Limit Switch Open	From V-2102-C to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
155	BZSC-2134BC	Blowdown Limit Switch Close	From V-2102-C to LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
156	TIT-2131A	Temperature Indicator Transmitter	From 2ND Stage Gas Comp. Suction Drum (V-2102A) /To C-2102-A	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
157	TIT-2131B	Temperature Indicator Transmitter	From 2ND Stage Gas Comp. Suction Drum (V-2102A) /To C-2102-A	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
158	TIT-2131C	Temperature Indicator Transmitter	From 2ND Stage Gas Comp. Suction Drum (V-2102A) /To C-2102-A	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
159	XF-2131A	Fault Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2131A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
160	XR-2131A	Running/Stop Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2131A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
161	XL-2131A	Local / Remote Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2131A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
162	XSP-2131A	Stop Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2131A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
163	XSS-2131A	Start Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2131A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
164	XF-2132A	Fault Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2132A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
165	XR-2132A	Running/Stop Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2132A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
166	XL-2132A	Local / Remote Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2132A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
167	XSP-2132A	Stop Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2132A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
168	XSS-2132A	Start Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)/(AC-2132A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
169	TIT-2135A	Temperature Indicator Transmitter	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
170	TY-2132A	Cooler Actuator Positioner	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
171	PIT-2135A	Pressure Indicator Transmitter	From AE-2102-A /TO GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
172	PCV-2135A	Pressure Control Valve	From AE-2102-A /TO GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
173	PSOV-2132A	Solenoid Valve	From AE-2102-A to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
174	BZSC-2132A	Blowdown Limit Switch Close	From AE-2102-A to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
175	BZSO-2132A	Blowdown Limit Switch Open	From AE-2102-A to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
176	PSOV-2133A	Solenoid Valve	From AE-2102-A to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
177	XZSC-2133A	Limit Switch Close	From AE-2102-A to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
178	XZSO-2133A	Limit Switch Open	From AE-2102-A to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
179	XF-2131B	Fault Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2131B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
180	XR-2131B	Running/Stop Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2131B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
181	XL-2131B	Local / Remote Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2131B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
182	XSP-2131B	Stop Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2131B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
183	XSS-2131B	Start Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2131B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
184	XF-2132B	Fault Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2132B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
185	XR-2132B	Running/Stop Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2132B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
186	XL-2132B	Local / Remote Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2132B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
187	XSP-2132B	Stop Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2132B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
188	XSS-2132B	Start Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)/(AC-2132B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
189	TIT-2135B	Temperature Indicator Transmitter	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
190	TY-2132B	Cooler Actuator Positioner	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
191	PIT-2135B	Pressure Indicator Transmitter	From AE-2102-B /TO GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
192	PCV-2135B	Pressure Control Valve	From AE-2102-B /TO GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
193	PSOV-2132B	Solenoid Valve	From AE-2102-B to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
194	BZSC-2132B	Blowdown Limit Switch Close	From AE-2102-B to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
195	BZSO-2132B	Blowdown Limit Switch Open	From AE-2102-B to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
196	PSOV-2133B	Solenoid Valve	From AE-2102-B to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
197	XZSC-2133B	Limit Switch Close	From AE-2102-B to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
198	XZSO-2133B	Limit Switch Open	From AE-2102-B to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
199	XF-2131C	Fault Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2131C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
200	XR-2131C	Running/Stop Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2131C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
201	XL-2131C	Local / Remote Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2131C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
202	XSP-2131C	Stop Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2131C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
203	XSS-2131C	Start Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2131C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
204	XF-2132C	Fault Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2132C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
205	XR-2132C	Running/Stop Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2132C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
206	XL-2132C	Local / Remote Status	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2132C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
207	XSP-2132C	Stop Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2132C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
208	XSS-2132C	Start Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)/(AC-2132C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
209	TIT-2135C	Temperature Indicator Transmitter	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
210	TY-2132C	Cooler Actuator Positioner	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
211	PIT-2135C	Pressure Indicator Transmitter	From AE-2102-C /TO GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
212	PCV-2135C	Pressure Control Valve	From AE-2102-C /TO GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
213	PSOV-2132C	Solenoid Valve	From AE-2102-C to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
214	BZSC-2132C	Blowdown Limit Switch Close	From AE-2102-C to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
215	BZSO-2132C	Blowdown Limit Switch Open	From AE-2102-C to LP Flare header	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added

I/O List For Control System

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
216	PSOV-2133C	Solenoid Valve	From AE-2102-C to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Added
217	XZSC-2133C	Limit Switch Close	From AE-2102-C to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
218	XZSO-2133C	Limit Switch Open	From AE-2102-C to Gas Compression Dicharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Added
219	PDIT-2141	Diff. Pressure Indicator Transmitter	V-2103	BK-GCS-PEDCO-120-PR-PI-0012	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
220	LIT-2141	Level Indicator Transmitter	V-2103	BK-GCS-PEDCO-120-PR-PI-0012	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
221	PSOV-2144	Solenoid Valve	From V-2103 To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0012	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
222	XZSC-2144	Limit Switch Close	From V-2103/ To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
223	XZSO-2144	Limit Switch Open	From V-2103/ To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
224	BZSC-2141	Blowdown Limit Switch Close	From V-2103/ To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
225	BZSO-2141	Blowdown Limit Switch Open	From V-2103/ To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
226	PSOV-2142	Solenoid Valve	From V-2103 To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
227	XZSC-2142	Limit Switch Close	From V-2103/ To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
228	XZSO-2142	Limit Switch Open	From V-2103/ To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
229	PSOV-2143	Solenoid Valve	From V-2103 To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
230	XZSC-2143	Limit Switch Close	From V-2103/ To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
231	XZSO-2143	Limit Switch Open	From V-2103/ To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
232	PDIT-2143	Diff. Pressure Indicator Transmitter	From V-2103/ To Dehydration Package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
233	BZSC-2151	Blowdown Limit Switch Close	From PK-2101 /To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
234	BZSO-2151	Blowdown Limit Switch Open	From PK-2101 /To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
235	PIT-2151	Pressure Indicator Transmitter	From PK-2101 / To PL-3101	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
236	PCV-2151	Pressure Control Vavle	From PK-2101 / To PL-3101	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
237	PCV-2152	Pressure Control Vavle	From PK-2101 /To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
238	FIT-2151	Flow Transmitter	From PK-2101 / To PL-3101	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Added
239	LIT-2162	Level Indicator Transmitter	TK-2102	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
240	PIT-2161	Pressure Indicator Transmitter	TK-2102	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
241	XF-2161A	Fault Status	P-2103A	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
242	XR-2161A	Running/Stop Status	P-2103A	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
243	XL-2161A	Local / Remote Status	P-2103A	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
244	XSP-2161A	Stop Command	P-2103A	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
245	XF-2161B	Fault Status	P-2103B	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
246	XR-2161B	Running/Stop Status	P-2103B	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
247	XL-2161B	Local / Remote Status	P-2103B	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
248	XSP-2161B	Stop Command	P-2103B	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
249	XSP-2201A	Stop Command	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	DCS	PK-AC-2203A	*	*	*	*	*	*	*	*						X		D05 Modified
250	XSS-2201A	Start Command	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	DCS	PK-AC-2203A	*	*	*	*	*	*	*	*						X		D05 Modified
251	XSP-2201B	Stop Command	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	DCS	PK-AC-2203B	*	*	*	*	*	*	*	*						X		D05 Modified
252	XSS-2201B	Start Command	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	DCS	PK-AC-2203B	*	*	*	*	*	*	*	*						X		D05 Modified
253	PIT-2201	Pressure Indicator Transmitter	Air Compressor Package (PK-C-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
254	PCV-2201	Pressure Control Valve	Air Compressor Package (PK-C-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
255	PIT-2203A	Pressure Indicator Transmitter	From V-2203/ TO AIR COMPRESSOR PACKAGE (PK-C-2203A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
256	PIT-2203B	Pressure Indicator Transmitter	From V-2203/ TO AIR COMPRESSOR PACKAGE (PK-C-2203A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
257	PI-2203A	Pressure Indicator	Air Compressor Package (PK-AC-2203 A/B) / CAPACITY CONTROL SIGNAL / COMPRESSOR LOAD/UNLOAD	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AO-IS-R	DCS	PK-AC-2203A	*	*	*	*	*	*	*	*						X		D05 Modified
258	PI-2203B	Pressure Indicator	Air Compressor Package (PK-AC-2203 A/B) / CAPACITY CONTROL SIGNAL / COMPRESSOR LOAD/UNLOAD	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AO-IS-R	DCS	PK-AC-2203B	*	*	*	*	*	*	*	*						X		D05 Modified
259	XSP-2211	STOP Command	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	DO-NIS-R	DCS	PK-G-2204	*	*	*	*	*	*	*	*						X		D05 Modified
260	XSS-2211	START Command	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	DO-NIS-R	DCS	PK-G-2204	*	*	*	*	*	*	*	*						X		D05 Modified
261	PIT-2213	Pressure Indicator Transmitter	From V-2204	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
262	PCV-2211	Pressure Control Valve	From V-2204	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
263	FIT-2211	Flow Indicator Transmitter	From V-2204	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
264	TT-2211	Temperature Transmitter	From V-2204	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
265	PIT-2214	Pressure Indicator Transmitter	From V-2204	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
266	LIT-2221	Level Indicator Transmitter	V-2202	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
267	LIT-2223	Level Indicator Transmitter	LP Flare K.O. Drum and Closed Drum (SU-2201)	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
268	XF-2221A	Fault Status	P-2202-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
269	XR-2221A	Running/Stop Status	P-2202-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
270	XL-2221A	Local / Remote Status	P-2202-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
271	XSS-2221A	Start Command	P-2202-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
272	XSP-2221A	Stop Command	P-2202-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
273	XF-2221B	Fault Status	P-2202-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
274	XR-2221B	Running/Stop Status	P-2202-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
275	XL-2221B	Local / Remote Status	P-2202-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
276	XSS-2221B	Start Command	P-2202-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
277	XSP-2221B	Stop Command	P-2202-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
278	XF-2222A	Fault Status	P-2203-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
279	XR-2222A	Running/Stop Status	P-2203-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
280	XL-2222A	Local / Remote Status	P-2203-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
281	XSS-2222A	Start Command	P-2203-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
282	XSP-2222A	Stop Command	P-2203-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
283	XF-2222B	Fault Status	P-2203-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
284	XR-2222B	Running/Stop Status	P-2203-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
285	XL-2222B	Local / Remote Status	P-2203-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
286	XSS-2222B	Start Command	P-2203-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
287	XSP-2222B	Stop Command	P-2203-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
288	XSP-2231	Stop Command	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DO-NIS-R	DCS	PK-G-2207	*	*	*	*	*	*	*	*						X		D05 Modified
289	LSLL-2231	Level Switch Low Low	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*				X	X			
290	XF-2231A	Fault Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
291	XF-2231B	Fault Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
292	XF-2231C	Fault Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
293	XF-2231D	Fault Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
294	XF-2231F	Fault Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
295	XR-2231A	Running/Stop Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
296	XR-2231B	Running/Stop Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
297	XR-2231C	Running/Stop Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
298	XR-2231D	Running/Stop Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
299	XR-2231F	Running/Stop Status	Corrosion Inhibitor Package (PK-TK-2207) /CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
300	LIT-2251	Level Indicator Transmitter	V-2201	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
301	XF-2251A	Fault Status	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
302	XR-2251A	Running/Stop Status	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
303	XL-2251A	Local / Remote Status	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
304	XSS-2251A	Start Command	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
305	XSP-2251A	Stop Command	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
306	XF-2251B	Fault Status	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
307	XR-2251B	Running/Stop Status	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
308	XL-2251B	Local / Remote Status	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
309	XSS-2251B	Start Command	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
310	XSP-2251B	Start Command	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
311	PIT-2252	Pressure Indicator Transmitter	From V-2201 to LP Flare Stack	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
312	XR-2261	LPG Bottle Inservice	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
313	XR-2261A	Pilot 1 Status	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
314	XR-2261B	Pilot 2 Status	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
315	XR-2261C	Pilot 3 Status	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
316	XA-2261	Common Fault Alarm	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
317	XF-2261	Auto Ignition Failure	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
318	XA-2262	Burn Back Alarm	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
319	TI-2261A	Temperature Indicator	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	AI-IS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
320	TI-2261B	Temperature Indicator	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	AI-IS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
321	TI-2261C	Temperature Indicator	(Ignition Control Panel IG-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	AI-IS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			
322	XR-2281	Running/Stop Status	P-2281	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
323	XF-2281	Fault Status	P-2281	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
324	LIT-2273	Level Indicator Transmitter	Oily Water Sump (SU-2202)	BK-GCS-PEDCO-120-PR-PI-0021 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
325	EZSC-2272	ESDV Limit Switch Close	From Inlet K.O. Drum (V-2105) /TO V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
326	EZSO-2272	ESDV Limit Switch Open	From Inlet K.O. Drum (V-2105) /TO V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
327	PIT-2272	Pressure Indicator Transmitter	From Inlet K.O. Drum (V-2105) /TO V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
328	PCV-2272	Pressure Control Valve	From Inlet K.O. Drum (V-2105) /TO V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
329	LIT-2271	Level Indicator Transmitter	V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
330	PSOV-2271	Solenoid Valve	From V-2205/ To Closed Drum	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
331	XZSC-2271	Limit Switch Close	From V-2205/ To Closed Drum	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
332	XZSO-2271	Limit Switch Open	From V-2205/ To Closed Drum	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
333	TIT-2271	Temperature Indicator Transmitter	FROM CORROSION INHIBITOR PUMPS (P-2207A/B) /To V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
334	FIT-2271	Flow Indicator Transmitter	FROM CORROSION INHIBITOR PUMPS (P-2207A/B) /To V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
335	PIT-2271	Pressure Indicator Transmitter	FROM CORROSION INHIBITOR PUMPS (P-2207A/B) /To V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
336	PDIT-2271	Diff. Pressure Indicator Transmitter	V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			D05 Added
337	LIT-2281	Level Indicator Transmitter	V-2206	BK-GCS-PEDCO-120-PR-PI-0023	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
338	XF-2281A	Fault status	P-2206	BK-GCS-PEDCO-120-PR-PI-0023	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
339	XR-2281A	Running/Stop Status	P-2206	BK-GCS-PEDCO-120-PR-PI-0023	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
340	XSP-2281A	Stop Command	P-2206	BK-GCS-PEDCO-120-PR-PI-0023	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
341	LIT-2291	Level Indicator Transmitter	TK-2209	BK-GCS-PEDCO-120-PR-PI-0024	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
342	XF-2291	Fault Status	P-2209	BK-GCS-PEDCO-120-PR-PI-0024	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
343	XR-2291	Running/Stop Status	P-2209	BK-GCS-PEDCO-120-PR-PI-0024	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
344	XL-2291	Local / Remote Status	P-2209	BK-GCS-PEDCO-120-PR-PI-0024	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
345	XSP-2291	Stop Command	P-2209	BK-GCS-PEDCO-120-PR-PI-0024	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
346	LIT-2293	Level Indicator Transmitter	V-2107	BK-GCS-PEDCO-120-PR-PI-0025	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
347	PIT-2291	Level Indicator Transmitter	V-2107	BK-GCS-PEDCO-120-PR-PI-0025	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
348	XF-2293	Fault Status	P-2104	BK-GCS-PEDCO-120-PR-PI-0025	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
349	XR-2293	Running/Stop Status	P-2104	BK-GCS-PEDCO-120-PR-PI-0025	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
350	XL-2293	Local / Remote Status	P-2104	BK-GCS-PEDCO-120-PR-PI-0025	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
351	XSP-2293	Stop Command	P-2104	BK-GCS-PEDCO-120-PR-PI-0025	DO-NIS-R	DCS	IRP	*	*	*	*	*	*	*	*						X		D05 Modified
352	LIT-2301A	Level Indicator Transmitter	TK-2301A	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 8)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*	X	X	X		X			D05 Modified
353	LIT-2301B	Level Indicator Transmitter	TK-2301B	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 8)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*	X	X	X		X			D05 Modified
354	ZSC-2301	Limit Switch Close	FROM EXISTING PLANT T.P-09/ to Fire Water Storage Tank	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 8)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
355	ZSO-2301	Limit Switch Open	FROM EXISTING PLANT T.P-09/ to Fire Water Storage Tank	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 8)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
356	PSOV-2301	Solenoid Valve	FROM EXISTING PLANT T.P-09/ to Fire Water Storage Tank	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 8)	DO-NIS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		D05 Modified
357	EZSC-3201	ESDV Limit Switch Close	From Dehydration (PK-2101) To Pig Receiver (PR-3201) - Near Pig Launcher	BK-PPL-PEDCO-320-PR-PI-0001 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified

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ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
358	EZSO-3201	ESDV Limit Switch Open	From Dehydration (PK-2101) To Pig Receiver (PR-3201) - Near Pig Launcher	BK-PPL-PEDCO-320-PR-PI-0001 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
359	PSOV-3201	Solenoid Valve	From Dehydration (PK-2101) To Pig Receiver (PR-3201) - Near Pig Launcher	BK-PPL-PEDCO-320-PR-PI-0001 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
-	~~EZSC-3202~~	~~ESDV Limit Switch Close~~	~~From Pig Launcher (PR-3201) To Inlet Header (Near Pig Receiver)~~	~~BK-PPL-PEDCO-320-PR-PI-0001 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	*	*	*	*	*	*	*	*					~~X~~			D05 Deleted
-	~~EZSO-3202~~	~~ESDV Limit Switch Open~~	~~From Pig Launcher (PR-3201) To Inlet Header (Near Pig Receiver)~~	~~BK-PPL-PEDCO-320-PR-PI-0001 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~DCS~~	*	*	*	*	*	*	*	*					~~X~~			D05 Deleted
-	~~PSOV-3202~~	~~Solenoid Valve~~	~~From Pig Launcher (PR-3201) To Inlet Header (Near Pig Receiver)~~	~~BK-PPL-PEDCO-320-PR-PI-0001 (3 of 3)~~	~~DO-NIS-NR~~	~~DCS~~	~~FIELD~~	*	*	*	*	*	*	*	*						~~X~~		D05 Deleted
360	ESDR 1-PCS	PCS FAILURE	CONTROL ROOM	—	DO-NIS-R	DCS	ESD	*	*	*	*	*	*	*	*						X		D05 Modified
-	~~ESDR 1-FLR~~	~~FLARE IGNITION FAILURE~~	~~CONTROL ROOM~~	~~—~~	~~DO-NIS-R~~	~~DCS~~	~~ESD~~	*	*	*	*	*	*	*	*						~~X~~		D05 Deleted
361	XOC-LV-Q0A	Open/Close Status (SWGR-Incoming A-Q0A)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
362	XF-LV-Q0A	Fault Status (SWGR-Incoming A-Q0A)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
363	XF-TR-001	Fault Status (Transformer-001)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
364	XOC-LV-Q0B	Open/Close Status (SWGR-Incoming B-Q0B)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
365	XF-LV-Q0B	Fault Status(SWGR-Incoming B-Q0B)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
366	XF-TR-002	Fault Status (Transformer-002)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
367	XOC-LV-Q0C	Open/Close Status (SWGR-Bus Tie C-Q0C)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
368	XF-LV-Q0C	Fault Status (SWGR-Bus Tie C-Q0C)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
369	XOC-LV-Q0E	Open/Close Status (SWGR-DG C.B-Q0E)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
370	XF-LV-Q0E	Fault Status (SWGR-DG C.B-Q0E)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
371	XOC-LV-Q0D	Open/Close Status (SWGR-DG Bus Tie-Q0D)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
372	XF-LV-Q0D	Fault Status (SWGR-DG Bus Tie-Q0D)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
-	~~XF-UPS-001-CH01~~	~~Fault Status (110V AC UPS-001 (CH01))~~	~~CONTROL ROOM~~	~~ELECTRICAL I/O SIGNAL LIST~~	~~DI-NIS-NR~~	~~UPS Charger~~	~~DCS~~	*	*	*	*	*	*	*	*					~~X~~			D05 Deleted
-	~~XF-UPS-001-CH02~~	~~Fault Status (110V AC UPS-001 (CH02))~~	~~CONTROL ROOM~~	~~ELECTRICAL I/O SIGNAL LIST~~	~~DI-NIS-NR~~	~~UPS Charger~~	~~DCS~~	*	*	*	*	*	*	*	*					~~X~~			D05 Deleted
373	XOC-MV-001A-Q2	Open/Close Status (11/0.4 KV SWGR-Transformer feeder-Q2)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
374	XF-MV-001A-Q2	Fault Status (11/0.4 KV SWGR-Transformer feeder-Q2)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
375	XOC-MV-001A-Q5	Open/Close Status (11 KV SWGR-Spare -Q5)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified

I/O List For Control System

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
376	XF-MV-001A-Q5	Fault Status (11 KV SWGR-Spare -Q5)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
377	XOC-MV-001B-Q2	Open/Close Status (11/0.4 KV SWGR-Transformer feeder-Q2)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
378	XF-MV-001B-Q2	Fault Status (11/0.4 KV SWGR-Transformer feeder-Q2)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
379	XOC-MV-001B-Q4	Open/Close Status (11/3.3 KV SWGR-Transformer feeder-Q4)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
380	XF-MV-001B-Q4	Fault Status (11/3.3 KV SWGR-Transformer feeder-Q4)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
381	XOC-MV-001B-Q5	Open/Close Status (11KV SWGR-Spare -Q5)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
382	XF-MV-001B-Q5	Fault Status (11KW SWGR-Spare -Q5)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
383	XOC-MV-001C-Q3	Open/Close Status (3.3 KV SWGR-Fire Pump -Q3)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
384	XF-MV-001C-Q3	Fault Status (3.3 KV SWGR-Fire Pump -Q3)	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
385	XL-ATS	Auto/Manual Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
386	XS-2100A	Time Syncron Signal for C-2101A	CONTROL ROOM	BK-GCS-HY-120-PR-PI-0001 (9A)	DO-NIS-R	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*						X		D05 Added
387	XS-2100B	Time Syncron Signal for C-2101B	CONTROL ROOM	BK-GCS-HY-120-PR-PI-0001 (9B)	DO-NIS-R	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*						X		D05 Added
388	XS-2100C	Time Syncron Signal for C-2101C	CONTROL ROOM	BK-GCS-HY-120-PR-PI-0001 (9C)	DO-NIS-R	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*						X		D05 Added

I/O List For UCP-C-2101 (NOTE 5)

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
	~~PSOV-2110~~	~~Solenoid Valve~~	~~FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0005~~	~~DO-NIS-NR~~	~~UCP-GC-2101A~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2110~~	~~Limit Switch Close~~	~~FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0005~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP (Note 2)~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2110~~	~~Limit Switch Open~~	~~FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0005~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP (Note 2)~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~PSOV-2121A~~	~~Solenoid Valve~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101A~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~XZSC-2121A~~	~~Limit Switch Close~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~XZSO-2121A~~	~~Limit Switch Open~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-A~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
1	PSOV-2123A	Solenoid Valve	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DO-NIS-NR	UCD (Note 1)	FIELD	*	*	*	*	*	*	*	*						X		
2	XZSC-2123A	Limit Switch Close	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
3	XZSO-2123A	Limit Switch Open	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
4	PI-2121A	Pressure Indicator	Outlet V-2101-A /to 1st Stage Compressore (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-R	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
5	PCV-2123A	Pressure Control Valve	Outlet V-2101-A /to 1st Stage Compressore (C-2101A)	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AO-IS-R	UCP-GC-2101A	FIELD	*	*	*	*	*	*	*	*						X		
6	FIT-2121A	Flow Indicator Transmitter	1st Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
7	TIT-2122A	Temperature Indicator Transmitter	1st Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
8	PDIT-2122A	Differential Pressure Indicator Transmitter	2nd Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
9	PIT-2123A	Pressure Indicator Transmitter	1st Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
10	TIT-2123A	Temperature Indicator Transmitter	1st Stage Gas Compressor Train A Discharge Line	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
11	PIT-2124A	Pressure Indicator Transmitter	1st Stage Gas Compressor Train A Discharge Line	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
	~~PSOV-2134A~~	~~Solenoid Valve~~	~~From 1ST Stage Air Cooler (AE-2101A) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101A~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2134A~~	~~Blowdown Limit Switch Close~~	~~From 1ST Stage Air Cooler (AE-2101A) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2134A~~	~~Blowdown Limit Switch Open~~	~~From 1ST Stage Air Cooler (AE-2101A) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
12	FIT-2131A	Flow Indicator Transmitter	2nd Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
13	TIT-2132A	Temperature Indicator Transmitter	2nd Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
14	PDIT-2132A	Differential Pressure Indicator Transmitter	2nd Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
15	PIT-2132A	Pressure Indicator Transmitter	2nd Stage Gas Compressor Train A Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
16	TIT-2133A	Temperature Indicator Transmitter	2nd Stage Gas Compressor Train A Discharge Line	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			
17	PIT-2133A	Pressure Indicator Transmitter	2nd Stage Gas Compressor Train A Discharge Line	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-R	FIELD	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			

I/O List For UCP-C-2101 (NOTE 5)

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
	~~PSOV-2132A~~	~~Solenoid Valve~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101A~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2132A~~	~~Blowdown Limit Switch Close~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2132A~~	~~Blowdown Limit Switch Open~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~PSOV-2133A~~	~~Solenoid Valve~~	~~From AE-2102-A ./To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101A~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2133A~~	~~Blowdown Limit Switch Close~~	~~From AE-2102-A ./To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2133A~~	~~Blowdown Limit Switch Open~~	~~From AE-2102-A ./To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~XOC-MV-001A-Q3~~	~~Open/Close Status (SWGR-Gas-Compressor-A-2101A-Q3)~~	~~CONTROL ROOM~~	~~ELECTRICAL I/O SIGNAL LIST~~	~~DI-NIS-NR~~	~~IRP (MV SWG)~~	~~UCP-GC-2101A~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
18	XST-2224A	Start Command	11 KV SWGR-MV-001A-Q3 Gas Compressor-C-2101A	ELECTRICAL I/O SIGNAL LIST	DO-NIS-NR	UCP-GC-2101A	IRP (MV SWG)	*	*	*	*	*	*	*	*						X		D05 Added
19	XSP-2224A	Stop Command	11 KV SWGR-MV-001A-Q3 Gas Compressor-C-2101A	ELECTRICAL I/O SIGNAL LIST	DO-NIS-NR	UCP-GC-2101A	IRP (MV SWG)	*	*	*	*	*	*	*	*						X		D05 Added
20	XL-2224A	Running Status	11 KV SWGR-MV-001A-Q3 Gas Compressor-C-2101A	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			D05 Added
21	XA-2224A	Fault Status	11 KV SWGR-MV-001A-Q3 Gas Compressor-C-2101A	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			D05 Modified
	~~PSOV-2121B~~	~~Solenoid Valve~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-B~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101B~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~XZSC-2121B~~	~~Limit Switch Close~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-B~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~XZSO-2121B~~	~~Limit Switch Open~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-B~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
22	PSOV-2123B	Solenoid Valve	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DO-NIS-NR	UCD (Note 1)	FIELD	*	*	*	*	*	*	*	*						X		
23	XZSC-2123B	Limit Switch Close	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
24	XZSO-2123B	Limit Switch Open	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
25	PI-2121B	Pressure Indicator	Outlet V-2101-A /to 1st Stage Compressore (C-2101B)	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-R	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
26	PCV-2123B	Pressure Control Valve	Outlet V-2101-A /to 1st Stage Compressore (C-2101B)	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AO-IS-R	UCP-GC-2101B	FIELD	*	*	*	*	*	*	*	*						X		
27	FIT-2121B	Flow Indicator Transmitter	1st Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
28	TIT-2122B	Temperature Indicator Transmitter	1st Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
29	PDIT-2122B	Differential Pressure Indicator Transmitter	2nd Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
30	PIT-2123B	Pressure Indicator Transmitter	1st Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
31	TIT-2123B	Temperature Indicator Transmitter	1st Stage Gas Compressor Train B Discharge Line	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
32	PIT-2124B	Pressure Indicator Transmitter	1st Stage Gas Compressor Train B Discharge Line	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
	~~PSOV-2134B~~	~~Solenoid Valve~~	~~From 1ST Stage Air Cooler (AE-2101B) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101B~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2134B~~	~~Blowdown Limit Switch Close~~	~~From 1ST Stage Air Cooler (AE-2101B) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)

I/O List For UCP-C-2101 (NOTE 5)

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
	~~BZSO-2134B~~	~~Blowdown Limit Switch Open~~	~~From 1ST Stage Air Cooler (AE-2101B) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
33	FIT-2131B	Flow Indicator Transmitter	2nd Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
34	TIT-2132B	Temperature Indicator Transmitter	2nd Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
35	PDIT-2132B	Differential Pressure Indicator Transmitter	2nd Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
36	PIT-2132B	Pressure Indicator Transmitter	2nd Stage Gas Compressor Train B Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
37	TIT-2133B	Temperature Indicator Transmitter	2nd Stage Gas Compressor Train B Discharge Line	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
38	PIT-2133B	Pressure Indicator Transmitter	2nd Stage Gas Compressor Train B Discharge Line	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-R	FIELD	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			
	~~PSOV-2132B~~	~~Solenoid Valve~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101B~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2132B~~	~~Blowdown Limit Switch Close~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2132B~~	~~Blowdown Limit Switch Open~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~PSOV-2133B~~	~~Solenoid Valve~~	~~From AE-2102-B /To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101B~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2133B~~	~~Blowdown Limit Switch Close~~	~~From AE-2102-B /To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2133B~~	~~Blowdown Limit Switch Open~~	~~From AE-2102-B /To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~XOC-MV-001A-Q4~~	~~lose Status (SWGR-Gas Compressor-C-210~~	~~CONTROL ROOM~~	ELECTRICAL I/O SIGNAL LIST	~~DI-NIS-NR~~	~~IRP (MV SWG)~~	~~UCP-GC-2101B~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
39	XST-2224B	Start Command	11 KV SWGR-MV-001A-Q4 Gas Compressor-C-2101B	ELECTRICAL I/O SIGNAL LIST	DO-NIS-NR	UCP-GC-2101B	IRP (MV SWG)	*	*	*	*	*	*	*	*						X		D05 Added
40	XSP-2224B	Stop Command	11 KV SWGR-MV-001A-Q4 Gas Compressor-C-2101B	ELECTRICAL I/O SIGNAL LIST	DO-NIS-NR	UCP-GC-2101B	IRP (MV SWG)	*	*	*	*	*	*	*	*						X		D05 Added
41	XL-2224B	Running Status	11 KV SWGR-MV-001A-Q4 Gas Compressor-C-2101B	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			D05 Added
42	XA-2224B	Fault Status	11 KV SWGR-MV-001A-Q4 Gas Compressor-C-2101B	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			D05 Modified
	~~PSOV-2121C~~	~~Solenoid Valve~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-C~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101C~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~XZSC-2121C~~	~~Limit Switch Close~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-C~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~XZSO-2121C~~	~~Limit Switch Open~~	~~FROM 1ST STAGE RECYCLING VALVE LINE To V-2101-C~~	~~BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
43	PSOV-2123C	Solenoid Valve	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-NR	UCD (Note 1)	FIELD	*	*	*	*	*	*	*	*						X		
44	XZSC-2123C	Limit Switch Close	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
45	XZSO-2123C	Limit Switch Open	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD /To V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
46	PI-2121C	Pressure Indicator	Outlet V-2101-A /to 1st Stage Compressore (C-2101C)	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-R	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
47	PCV-2123C	Pressure Control Valve	Outlet V-2101-A /to 1st Stage Compressore (C-2101C)	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AO-IS-R	UCP-GC-2101C	FIELD	*	*	*	*	*	*	*	*						X		
48	FIT-2121C	Flow Indicator Transmitter	1st Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-R	FIELD	UCP	*	*	*	*	*	*	*	*					X			

I/O List For UCP-C-2101 (NOTE 5)

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
49	TIT-2122C	Temperature Indicator Transmitter	1st Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-R	FIELD	UCP	*	*	*	*	*	*	*	*					X			
50	PDIT-2122C	Differential Pressure Indicator Transmitter	2nd Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
51	PIT-2123C	Pressure Indicator Transmitter	1st Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
52	TIT-2123C	Temperature Indicator Transmitter	1st Stage Gas Compressor Train C Discharge Line	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-R	FIELD	UCP	*	*	*	*	*	*	*	*					X			
53	PIT-2124C	Pressure Indicator Transmitter	1st Stage Gas Compressor Train C Discharge Line	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
	~~PSOV-2134C~~	~~Solenoid Valve~~	~~From 1ST Stage Air Cooler (AE-2101C) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101C~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2134C~~	~~Blowdown Limit Switch Close~~	~~From 1ST Stage Air Cooler (AE-2101C) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2134C~~	~~Blowdown Limit Switch Open~~	~~From 1ST Stage Air Cooler (AE-2101C) To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
54	FIT-2131C	Flow Indicator Transmitter	2nd Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
55	TIT-2132C	Temperature Indicator Transmitter	2nd Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
56	PDIT-2132C	Differential Pressure Indicator Transmitter	2nd Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
57	PIT-2132C	Pressure Indicator Transmitter	2nd Stage Gas Compressor Train C Suction Line	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
58	TIT-2133C	Temperature Indicator Transmitter	2nd Stage Gas Compressor Train C Discharge Line	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
59	PIT-2133C	Pressure Indicator Transmitter	2nd Stage Gas Compressor Train C Discharge Line	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-R	FIELD	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			
	~~PSOV-2132C~~	~~Solenoid Valve~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101C~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2132C~~	~~Blowdown Limit Switch Close~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2132C~~	~~Blowdown Limit Switch Open~~	~~From Methanol Header To LP Flare Header~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~PSOV-2133C~~	~~Solenoid Valve~~	~~From AE-2102-C ./To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)~~	~~DO-NIS-NR~~	~~UCP-GC-2101C~~	~~FIELD~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~						~~X~~		D05 Deleted (Moved to DCS)
	~~BZSC-2133C~~	~~Blowdown Limit Switch Close~~	~~From AE-2102-C ./To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~BZSO-2133C~~	~~Blowdown Limit Switch Open~~	~~From AE-2102-C ./To Gas Compression Discharge Drum (V-2103)~~	~~BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)~~	~~DI-NIS-NR~~	~~FIELD~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted (Moved to DCS)
	~~XOC-MV-001B-Q3~~	~~lose Status (SWGR-Gas Compressor-C-210~~	~~CONTROL ROOM~~	ELECTRICAL I/O SIGNAL LIST	~~DI-NIS-NR~~	~~IRP (MV SWG)~~	~~UCP-GC-2101C~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~	~~*~~					~~X~~			D05 Deleted
60	XST-2224C	Start Command	11 KV SWGR-MV-001B-Q3 Gas Compressor-C-2101C	ELECTRICAL I/O SIGNAL LIST	DO-NIS-NR	UCP-GC-2101C	IRP (MV SWG)	*	*	*	*	*	*	*	*						X		D05 Added
61	XSP-2224C	Stop Command	11 KV SWGR-MV-001B-Q3 Gas Compressor-C-2101C	ELECTRICAL I/O SIGNAL LIST	DO-NIS-NR	UCP-GC-2101C	IRP (MV SWG)	*	*	*	*	*	*	*	*						X		D05 Added
62	XL-2224C	Running Status	11 KV SWGR-MV-001B-Q3 Gas Compressor-C-2101C	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			D05 Added
63	XA-2224C	Fault Status	11 KV SWGR-MV-001B-Q3 Gas Compressor-C-2101C	ELECTRICAL I/O SIGNAL LIST	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			D05 Modified

Note 1: Gas Compressor Unit ESD System

SOFTWARE DATA-LINK LIST FOR UCP

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
UCP-C-2101A: GAS COMPRESSOR A (NOTE 7)																							
1	XF-2121A	Fault Status	Gas Compressor C-2101 Train A	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
2	XR-2123A	Running/Stop Status	Gas Compressor C-2101 Train A	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
3	FIA-2121A	Flow Indicator	Gas Compressor C-2101 Train A 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
4	PIA-2123A	Pressure Indicator	Gas Compressor C-2101 Train A 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
5	TIA-2122A	Temperature Indicator	Gas Compressor C-2101 Train A 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
6	PIA-2124A	Pressure Indicator	Gas Compressor C-2101 Train A1st Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*			X		X			D05 Modified
7	TIA-2123A	Temperature Indicator	Gas Compressor C-2101 Train A1st Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
8	FIA-2131A	Flow Indicator	Gas Compressor C-2101 Train A 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
9	PIA-2132A	Pressure Indicator	Gas Compressor C-2101 Train A 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
10	TIA-2132A	Temperature Indicator	Gas Compressor C-2101 Train A 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
11	PIA-2133A	Pressure Indicator	Gas Compressor C-2101 Train A 2nd Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
12	TIA-2133A	Temperature Indicator	Gas Compressor C-2101 Train A 2nd Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
UCP-C-2101B: GAS COMPRESSOR B (NOTE 7)																							
13	XF-2121B	Fault Status	Gas Compressor C-2101 Train B	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
14	XR-2123B	Running/Stop Status	Gas Compressor C-2101 Train B	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
15	FIA-2121B	Flow Indicator	Gas Compressor C-2101 Train B 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
16	PIA-2123B	Pressure Indicator	Gas Compressor C-2101 Train B 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
17	TIA-2122B	Temperature Indicator	Gas Compressor C-2101 Train B 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
18	PIA-2124B	Pressure Indicator	Gas Compressor C-2101 Train B1st Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
19	TIA-2123B	Temperature Indicator	Gas Compressor C-2101 Train B1st Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
20	FIA-2131B	Flow Indicator	Gas Compressor C-2101 Train B 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
21	PIA-2132B	Pressure Indicator	Gas Compressor C-2101 Train B 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
22	TIA-2132B	Temperature Indicator	Gas Compressor C-2101 Train B 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
23	PIA-2133B	Pressure Indicator	Gas Compressor C-2101 Train B 2nd Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
24	TIA-2133B	Temperature Indicator	Gas Compressor C-2101 Train B 2nd Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
UCP-C-2101C: GAS COMPRESSOR C (NOTE 7)																							
25	XF-2121C	Fault Status	Gas Compressor C-2101 Train C	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*					X			D05 Added
26	XR-2123C	Running/Stop Status	Gas Compressor C-2101 Train C	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
27	FIA-2121C	Flow Indicator	Gas Compressor C-2101 Train C 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
28	PIA-2123C	Pressure Indicator	Gas Compressor C-2101 Train C 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified

SOFTWARE DATA-LINK LIST FOR UCP

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
29	TIA-2122C	Temperature Indicator	Gas Compressor C-2101 Train C 1st Stage Suction	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
30	PIA-2124C	Pressure Indicator	Gas Compressor C-2101 Train C1st Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
31	TIA-2123C	Temperature Indicator	Gas Compressor C-2101 Train C1st Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
32	FIA-2131C	Flow Indicator	Gas Compressor C-2101 Train C 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
33	PIA-2132C	Pressure Indicator	Gas Compressor C-2101 Train C 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
34	TIA-2132C	Temperature Indicator	Gas Compressor C-2101 Train C 2nd Stage Suction	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
35	PIA-2133C	Pressure Indicator	Gas Compressor C-2101 Train C 2nd Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
36	TIA-2133C	Temperature Indicator	Gas Compressor C-2101 Train C 2nd Stage Discharge	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D05 Modified
PK-AC-2203 A/B + PK-DR-2203 A/B : AIR COMPRESSOR & DRYER PACKAGE (NOTE 7)																							
37	**XR-2201A**	Running/Stop Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
38	**XF-2201A**	Fault Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
39	**XA-2201A**	Availibility	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
40	**XD-2201A**	Duty/Standby Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
41	**TAH-2201A**	Temperature High Alarm	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*		X			X			D05 Modified
42	**PAL-2201A**	Pressure Low Alarm	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*			X		X			D05 Modified
43	**PAH-2201A**	Pressure Low Alarm	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*		X			X			D05 Modified
44	**HSD-2201A**	Duty/Standby Command	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	DCS	PK-AC-2203 A	*	*	*	*	*	*	*	*					X			D05 Modified
45	**XR-2201B**	Running/Stop Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
46	**XF-2201B**	Fault Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
47	**XA-2201B**	Availibility	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
48	**XD-2201B**	Duty/Standby Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*					X			D05 Modified
49	**TAH-2201B**	Temperature High Alarm	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*		X			X			D05 Modified
50	**PAL-2201B**	Pressure Low Alarm	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*			X		X			D05 Modified
51	**PAH-2201B**	Pressure Low Alarm	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	PK-AC-2203 B	DCS	*	*	*	*	*	*	*	*		X			X			D05 Modified
52	**HSD-2201B**	Duty/Standby Command	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	DCS	PK-AC-2203 B	*	*	*	*	*	*	*	*					X			D05 Modified
53	**PDI-2201**	Differential Pressure Indicator	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Added
54	**AIA-2201**	Humidity Analyzer	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Added
55	**XR-2201**	Running Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Added
56	**XF-2202**	Common Fault Status	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*					X			D05 Added
57	**PDI-2202**	Differential Pressure Indicator	Air Compressor Package (PK-AC-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	Data-Link Software	UCP-AC-2203A	DCS	*	*	*	*	*	*	*	*		X			X			D05 Added
PK-G-2204 : NITROGEN PACKAGE (NOTE 7)																							

SOFTWARE DATA-LINK LIST FOR UCP

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
58	**XR-2211**	Running/Stop Status	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*					X			
59	**XF-2211**	Fault Status	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*					X			
60	**XA-2211**	Availibility	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*					X			
61	**TAH-2211**	Temperature High Alarm	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*		X			X			
62	PIA-2211	Pressure Indicator Transmitter	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*			X		X			D05 Modified
	~~PAH-2211~~	~~Pressure Low Alarm~~	~~Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)~~	~~BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)~~	~~Data-Link Software~~	~~PK-G-2204~~	~~DCS~~	*	*	*	*	*	*	*	*		*			*			D05 Deleted
63	**PDIA-2211**	Dif. Pressure Indicator Transmitter	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*		X			X			
	~~XR-2212~~	~~Running/Stop Status~~	~~Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)~~	~~BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)~~	~~Data-Link Software~~	~~PK-G-2204~~	~~DCS~~	*	*	*	*	*	*	*	*					*			D05 Deleted
	~~XF-2212~~	~~Fault Status~~	~~Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)~~	~~BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)~~	~~Data-Link Software~~	~~PK-G-2204~~	~~DCS~~	*	*	*	*	*	*	*	*					*			D05 Deleted
64	**PDIA-2212**	Dif. Pressure Indicator Transmitter	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*		X			X			
65	**AIA-2212**	Humidity Analyzer	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	PK-G-2204	DCS	*	*	*	*	*	*	*	*		X			X			
66	**AIA-2213**	Humidity Analyzer	Air Compressor Package (PK-C-2204)/NITROGEN PACKAGE (PK-G-2204)/ NITROGEN RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	Data-Link Software	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
110V AC UPS-001 (CH01)																							
67	XO-UPS-001-CH01	On/Off Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
68	XC-UPS-001-CH01	Current Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
69	XV-UPS-001-CH01	Voltage Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
110V AC UPS-001 (CH02)																							
70	XO-UPS-001-CH02	On/Off Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
71	XC-UPS-001-CH02	Current Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
72	XV-UPS-001-CH02	Voltage Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
24V DC UPS-002 (CH01)																							

SOFTWARE DATA-LINK LIST FOR UCP

D05

ITEM	TAG	DESCRIPTION	SERVICE	P&ID / Reference Document	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA	COM.		
73	XO-UPS-002-CH01	On/Off Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
74	XC-UPS-002-CH01	Current Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
75	XV-UPS-002-CH01	Voltage Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
76	XF-UPS-002-CH01	Fault Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
24V DC UPS-002 (CH02)																							
77	XO-UPS-002-CH02	On/Off Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
78	XC-UPS-002-CH02	Current Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
79	XV-UPS-002-CH02	Voltage Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
80	XF-UPS-002-CH02	Fault Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
110V DC CHARGER-001 (CH01)																							
81	XO-CHG-001-CH01	On/Off Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
82	XC-CHG-001-CH01	Current Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
83	XV-CHG-001-CH01	Voltage Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
84	XF-CHG-001-CH01	Fault Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
110V DC CHARGER-001 (CH02)																							
85	XO-CHG-001-CH02	On/Off Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
86	XC-CHG-001-CH02	Current Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
87	XV-CHG-001-CH02	Voltage Sample	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
88	XF-CHG-001-CH02	Fault Status	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								
400 V SWGR-INCOMING																							
89	XM-LV-IN1	Multifunction Meter	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	IRP	DCS	*	*	*	*	*	*	*	*					X			
90	XM-LV-IN2	Multifunction Meter	CONTROL ROOM	ELECTRICAL I/O SIGNAL LIST	Data-Link Software	IRP	DCS	*	*	*	*	*	*	*	*					X			