طرح نگهداشت و افزایش تولید ۲۷ مخزن

I/O LIST FOR CONTROL SYSTEM

نگهداشت و افزایش تولید میدان نفتی بینک

D04	OCT.2023	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D03	DEC.2022	AFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D02	SEP.2022	AFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	MAY.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	JAN.2022	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
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

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	شماره پیمان:
D04	0002	LI	IN	120	PEDCO	GCS	BK	۹۱۸٤ – ۰۷۳ – ۰۵۳

شماره صفحه: ۲ از ۲۹

REVISION RECORD SHEET

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

REFERENCES:

Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PI-0001_D04
P&ID - Gas Compression Inlet Gas Pipeline (Binak)	BK-GCS-PEDCO-120-PR-PI-0002_D07
P&ID - Gas Compression Inlet Gas Pipeline (Golkhari)	BK-GCS-PEDCO-120-PR-PI-0003_D07
P&ID - Slug Catcher System	BK-GCS-PEDCO-120-PR-PI-0004_D07
P&ID - Gas Compression Inlet Knock Out Drum	BK-GCS-PEDCO-120-PR-PI-0005_D07
P&ID - 1st Stage Gas Compression Suction Drums	BK-GCS-PEDCO-120-PR-PI-0006_D07
P&ID - 1st Stage Gas Compression Compressors	BK-GCS-PEDCO-120-PR-PI-0007_D07
P&ID - 1st Stage Gas Compression Air Coolers	BK-GCS-PEDCO-120-PR-PI-0008_D07
P&ID - 2nd Stage Gas Compression Suction Drums	BK-GCS-PEDCO-120-PR-PI-0009_D07
P&ID - 2nd Stage Gas Compression Compressors	BK-GCS-PEDCO-120-PR-PI-0010_D06
P&ID - 2nd Stage Gas Compression Air Coolers	BK-GCS-PEDCO-120-PR-PI-0011_D07
P&ID - 2nd Stage Gas Compression Discharge Drum	BK-GCS-PEDCO-120-PR-PI-0012_D07
P&ID - Gas Compression Dehydration Package	BK-GCS-PEDCO-120-PR-PI-0013_D07
P&ID - Lean Glycol Storage Tank	BK-GCS-PEDCO-120-PR-PI-0014_D07
P&ID - Instrument & Plant Air System	BK-GCS-PEDCO-120-PR-PI-0015_D07
P&ID - Nitrogen Generation System	BK-GCS-PEDCO-120-PR-PI-0016_D07
P&ID - Close Drain System	BK-GCS-PEDCO-120-PR-PI-0017_D07
P&ID - Corrosion Inhibitor Package	BK-GCS-PEDCO-120-PR-PI-0018_D07
P&ID - Methanol Injection Package	BK-GCS-PEDCO-120-PR-PI-0019_D06
P&ID - LP Flare System	BK-GCS-PEDCO-120-PR-PI-0020_D07
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_D07
P&ID - Diesel Oil System	BK-GCS-PEDCO-120-PR-PI-0023_D07
P&ID - Potable Water System	BK-GCS-PEDCO-120-PR-PI-0024_D06
P&ID - Glycol Sump Drum	BK-GCS-PEDCO-120-PR-PI-0025_D07
P&ID - Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001_D04
P&ID - Total Flooding System For Extension of Existing Elect. Building	BK-GCS-PEDCO-120-SA-PI-0002_D02
P&ID - Gas Pipeline (to Siahmakan G.I. Station)	BK-PPL-PEDCO-320-PR-PI-0001_D04
Data Sheets For ESD Console/F&G Matrix Panel	BK-GCS-PEDCO-120-IN-DT-0017_D00
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 OF 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 : ~~ALL I/Os REQUIRED FOR DEHYDRATION PACKAGE (PK-2101) WILL BE ADDED TO THIS SUMMARY AS PER VENDOR DATA LATER.~~

NOTE 4 : AS MNIMUM 4 MODBUS COMMUNICATION CARDS WITH STORAGE CAPACITY OF 253 BYTES (+20 % SPARE) IN THIS SYSTEM SHALL BE USED (THIS CAPACITY SHALL BE FINILIZED BY PACKAGE VENDOR). A LIST OF MODBUS DATA WILL BE PROVIDED IN THIS DOCOMENT AFTAR OBTAINING FROM THE PACKAGE MANUFACTURERS. IN ADDITION TO COMMUNICATION BETWEEN ESD AND F&G WITH THE DCS SYSTEM SHALL BE THROUGH PROFIBUS SYSTEM THAT REQUIREMENTS BY DCS VENDOR WITH USABILITY FOR ESD AND F&G SYSTEMS MUST BE CONSIDERED.

NOTE 5: THIS TABLE IS SHOWN SIGNALS BETWEEN FIELD (OUT OF PACKAGE BATTERY LIMIT) AND UCP. OTHER SIGNALS THAT ARE RELATED TO INSIDE PACKAGE DEVICES/MOTORS, SHALL BE CONPLETED BY PACKAGE MANUFACTURER AS PER VENDOR P&ID THAT SHALL BE FINALIZED BY COMPRESSOR MANUFACTURE.

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)	33	41	NOTES 1,2,3
3	AO-IS-R	IS	R	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	23	26	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)	182	219	NOTES 1,2,3
6	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	2	3	NOTES 1,2,3
6	DO-NIS-NR	NIS	NR	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	73	88	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)	38	46	NOTES 1,2,3
6	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	0	0	NOTES 1,2,3
6	DO-NIS-NR	NIS	NR	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	16	20	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	P&ID	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	BK-GCS-PEDCO-120-PR-PI-0002	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
2	FIT-2101	Flow Transmitter	BK-GCS-PEDCO-120-PR-PI-0002	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
3	TIT-2102	Flow Transmitter	BK-GCS-PEDCO-120-PR-PI-0002	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
4	PIT-2102	Pressure Transmitter	BK-GCS-PEDCO-120-PR-PI-0002	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
5	EZSC-2101	ESDV Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0002	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
6	EZSO-2101	ESDV Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0002	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
7	FCV-2102	Flow Control Valve	BK-GCS-PEDCO-120-PR-PI-0003	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
8	FIT-2102	Flow Transmitter	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
9	TIT-2104	Temperature Transmitter	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
10	PIT-2104	Pressure Transmitter	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
11	EZSC-2102	ESDV Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	ESD	*	*	*	*	*	*	*	*					X			
12	EZSO-2102	ESDV Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	ESD	*	*	*	*	*	*	*	*					X			D04 Modified
13	ZA-2004A	PIG Signaller	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
14	ZA-2004B	PIG Signaller	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
15	ZA-2102B	PIG Signaller	BK-GCS-PEDCO-120-PR-PI-0003	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
16	HSL-2003	Hand Switch Local/Remot (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
17	XF-2003	Fault Feedback (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
18	MZTO-2003	Torque Limit Switch Open (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
19	MZTC-2003	Torque Limit Switch Close (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
20	MZIO-2003	Limit Switch Open (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
21	MZIC-2003	Limit Switch Close (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
22	MSO-2003	Valve Open Command (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
23	MSC-2003	Valve Close Command (MOV-2003)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
24	HSL-2004	Hand Switch Local/Remot (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
25	XF-2004	Fault Feedback (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
26	MZTO-2004	Torque Limit Switch Open (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified

I/O List For Control System

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ITEM	TAG	DESCRIPTION	P&ID	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.		
27	MZTC-2004	Torque Limit Switch Close (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
28	MZIO-2004	Limit Switch Open Status (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
29	MZIC-2004	Limit Switch Close Status (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
30	MSO-2004	Valve Open Command (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
31	MSC-2004	Valve Close Command (MOV-2004)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
32	PIT-2112	Pressure Indicator Transmitter	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	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
34	LIT-2111	Level Indicator Transmitter (DP)	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
35	EZSO-2112	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
36	EZSC-2112	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
37	FIT-2111	Flow Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
38	FCV-2111	Flow Control Valve	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
39	PIT-2114	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
40	XL-2111A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
41	XR-2111A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
42	XF-2111A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
43	XSP-2111A	STOP Command	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
44	XL-2111B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
45	XR-2111B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
46	XF-2111B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
47	XSP-2111B	STOP Command	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
48	TIT-2112	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
49	PIT-2117	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
50	PDIT-2112	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
51	EZSO-2113	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0005	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
52	EZSC-2113	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0005	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
53	LIT-2119	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
54	LCV-2114	Level Control Valve	BK-GCS-PEDCO-120-PR-PI-0005	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
55	PIT-2121A	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
56	PI-2121A	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AO-IS-R	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*						X		D04 Added
57	PDIT-2121A	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
58	LIT-2121A	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
59	PSOV-2122A	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
60	XZSC-2122A	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
61	XZSO-2122A	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
62	PIT-2121B	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
63	PI-2121B	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AO-IS-R	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*						X		D04 Added
64	PDIT-2121B	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
65	LIT-2121B	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
66	PSOV-2122B	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
67	XZSC-2122B	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
68	XZSO-2122B	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
69	PIT-2121C	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			
70	PI-2121C	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AO-IS-R	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*						X		D04 Added
71	PDIT-2121C	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
72	LIT-2121C	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
73	PSOV-2122C	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
74	XZSC-2122C	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
75	XZSO-2122C	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
76	TIT-2121A	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
77	XSS-2124A	Start Permission	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-NR	UCP-GC-2101A	DCS	*	*	*	*	*	*	*	*					X			D04 Modified

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
78	XSS-2123A	Start Command	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DO-NIS-NR	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*						X		D04 Modified
79	XSP-2123A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DO-NIS-NR	DCS	UCP-GC-2101A	*	*	*	*	*	*	*	*						X		D04 Modified
80	BZSO-2122A	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
81	BZSC-2122A	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
82	TIT-2121B	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
83	XSS-2124B	Start Permission	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-NR	UCP-GC-2101B	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
84	XSS-2123B	Start Command	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DO-NIS-NR	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*						X		D04 Modified
85	XSP-2123B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DO-NIS-NR	DCS	UCP-GC-2101B	*	*	*	*	*	*	*	*						X		D04 Modified
86	BZSO-2122B	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
87	BZSC-2122B	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
88	TIT-2121C	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
89	XSS-2124C	Start Permission	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-NR	UCP-GC-2101C	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
90	XSS-2123C	Start Command	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DO-NIS-NR	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*						X		D04 Modified
91	XSP-2123C	Stop Command	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DO-NIS-NR	DCS	UCP-GC-2101C	*	*	*	*	*	*	*	*						X		D04 Modified
92	BZSO-2122C	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
93	BZSC-2122C	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
94	XF-2121A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
95	XR-2121A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
96	XL-2121A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
97	XSP-2121A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
98	XSS-2121A	Start Command	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
99	XF-2122A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
100	XR-2122A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
101	XL-2122A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
102	XSP-2122A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		

I/O List For Control System

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ITEM	TAG	DESCRIPTION	P&ID	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.		
103	XSS-2122A	Start Command	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
104	TIT-2126A	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
105	TY-2122A	Cooler Actuator Positioner	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
106	XF-2121B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
107	XR-2121B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
108	XL-2121B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
109	XSP-2121B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
110	XSS-2121B	Start Command	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
111	XF-2122B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
112	XR-2122B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
113	XL-2122B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
114	XSP-2122B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
115	XSS-2122B	Start Command	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
116	TIT-2126B	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
117	TY-2122B	Cooler Actuator Positioner	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
118	XF-2121C	Fault Status	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
119	XR-2121C	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
120	XL-2121C	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
121	XSP-2121C	Stop Command	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
122	XSS-2121C	Start Command	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
123	XF-2122C	Fault Status	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	P&ID	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-2122C	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
125	XL-2122C	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
126	XSP-2122C	Stop Command	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
127	XSS-2122C	Start Command	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
128	TIT-2126C	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
129	TY-2122C	Cooler Actuator Positioner	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
130	PDIT-2131A	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
131	LIT-2131A	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
132	PSOV-2131A	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
133	XZSC-2131A	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
134	XZSO-2131A	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
135	PDIT-2131B	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
136	LIT-2131B	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
137	PSOV-2131B	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
138	XZSC-2131B	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
139	XZSO-2131B	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
140	PDIT-2131C	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
141	LIT-2131C	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
142	PSOV-2131C	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
143	XZSC-2131C	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
144	XZSO-2131C	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
145	TIT-2131A	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
146	TIT-2131B	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
147	TIT-2131C	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			

I/O List For Control System

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ITEM	TAG	DESCRIPTION	P&ID	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.		
148	XF-2131A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
149	XR-2131A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
150	XL-2131A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
151	XSP-2131A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
152	XSS-2131A	Start Command	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
153	XF-2132A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
154	XR-2132A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
155	XL-2132A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
156	XSP-2132A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
157	XSS-2132A	Start Command	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
158	TIT-2135A	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
159	TY-2132A	Cooler Actuator Positioner	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
160	PIT-2135A	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
161	PCV-2135A	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
162	XF-2131B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
163	XR-2131B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
164	XL-2131B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
165	XSP-2131B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
166	XSS-2131B	Start Command	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
167	XF-2132B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	شماره پیمان:
D04	0002	LI	IN	120	PEDCO	GCS	۹۱۸٤ – ۰۷۳ - ۰۵۳

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
168	XR-2132B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
169	XL-2132B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
170	XSP-2132B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
171	XSS-2132B	Start Command	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
172	TIT-2135B	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
173	TY-2132B	Cooler Actuator Positioner	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
174	PIT-2135B	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
175	PCV-2135B	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
176	XF-2131C	Fault Status	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
177	XR-2131C	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
178	XL-2131C	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
179	XSP-2131C	Stop Command	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
180	XSS-2131C	Start Command	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
181	XF-2132C	Fault Status	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
182	XR-2132C	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
183	XL-2132C	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
184	XSP-2132C	Stop Command	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
185	XSS-2132C	Start Command	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
186	TIT-2135C	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
187	TY-2132C	Cooler Actuator Positioner	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
188	PIT-2135C	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
189	PCV-2135C	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
190	PDIT-2141	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0012	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			D04 Modified
191	LIT-2141	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0012	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
192	PSOV-2144	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0012	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
193	XZSC-2144	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
194	XZSO-2144	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
195	BZSC-2141	Blowdown Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
196	BZSO-2141	Blowdown Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
197	PSOV-2142	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0012	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
198	XZSC-2142	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
199	XZSO-2142	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
200	PSOV-2143	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0012	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
201	XZSC-2143	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
202	XZSO-2143	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0012	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
203	PDIT-2143	Diff. Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0012	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
204	BZSC-2151	Blowdown Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
205	BZSO-2151	Blowdown Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
206	PIT-2151	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
207	PCV-2151	Pressure Control Vavle	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
208	PCV-2152	Pressure Control Vavle	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
209	LIT-2162	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
210	PIT-2161	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
211	XF-2161A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
212	XR-2161A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
213	XL-2161A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
214	XSP-2161A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
215	XF-2161B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
216	XR-2161B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
217	XL-2161B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
218	XSP-2161B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
219	XSP-2201A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-NR	DCS	PK-C-2203 A	*	*	*	*	*	*	*	*						X		
220	XSS-2201A	Start Command	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-NR	DCS	PK-C-2203 A	*	*	*	*	*	*	*	*						X		
221	XSP-2201B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-NR	DCS	PK-C-2203 B	*	*	*	*	*	*	*	*						X		
222	XSS-2201B	Start Command	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-NR	DCS	PK-C-2203 B	*	*	*	*	*	*	*	*						X		
223	PIT-2201	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
224	PCV-2201	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
225	PIT-2203A	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			D04 Modified
226	PIT-2203B	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*			X		X			D04 Added
227	PI-2203A	Pressure Indicator	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AO-IS-R	DCS	PK-C-2203A	*	*	*	*	*	*	*	*						X		D04 Added
228	PI-2203B	Pressure Indicator	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AO-IS-R	DCS	PK-C-2203B	*	*	*	*	*	*	*	*						X		D04 Added
229	XSP-2211	STOP Command	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	DO-NIS-NR	DCS	PK-G-2204	*	*	*	*	*	*	*	*						X		
230	XSS-2211	START Command	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	DO-NIS-NR	DCS	PK-G-2204	*	*	*	*	*	*	*	*						X		
231	PIT-2213	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
232	PCV-2211	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
233	FIT-2211	Flow Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
234	TT-2211	Temperature Transmitter	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
235	PIT-2214	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
236	LIT-2221	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
237	LIT-2223	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
238	XF-2221A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
239	XR-2221A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
240	XL-2221A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
241	XST-2221A	Start Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Added
242	XSP-2221A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
243	XF-2221B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
244	XR-2221B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
245	XL-2221B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
246	XST-2221B	Start Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Added
247	XSP-2221B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
248	XF-2222A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
249	XR-2222A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
250	XL-2222A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
251	XST-2222A	Start Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Added
252	XSP-2222A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
253	XF-2222B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
254	XR-2222B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
255	XL-2222B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
256	XST-2222B	Start Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Added
257	XSP-2222B	Stop Command	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
258	XSP-2231	Stop Command	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DO-NIS-NR	DCS	PK-G-2207	*	*	*	*	*	*	*	*						X		
259	LSLL-2231	Level Switch Low Low	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*				X	X			D04 Modified
260	XF-2231A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
261	XF-2231B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
262	XF-2231C	Fault Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
263	XF-2231D	Fault Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
264	XF-2231F	Fault Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
265	XR-2231A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
266	XR-2231B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			
267	XR-2231C	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
268	XR-2231D	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
269	XR-2231F	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0018 (1 of 1)	DI-NIS-NR	PK-G-2207	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
270	LIT-2251	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
271	XF-2251A	Fault Status	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
272	XR-2251A	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
273	XL-2251A	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
274	XST-2251A	Start Command	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Added
275	XSP-2251A	Stop Command	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
276	XF-2251B	Fault Status	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
277	XR-2251B	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
278	XL-2251B	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
279	XST-2251B	Start Command	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Added
280	XSP-2251B	Start Command	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
281	PIT-2252	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Added
282	XR-2261	LPG Bottle Inservuce	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
283	XR-2261A	Pilot 1 Status	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
284	XR-2261B	Pilot 2 Status	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
285	XR-2261C	Pilot 3 Status	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
286	XA-2261	Common Fault Alarm	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
287	XF-2261	Auto Ignition Failure	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
288	XA-2262	Burn Back Alarm	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
289	TI-2261A	Temperature Indicator	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	AI-IS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
290	TI-2261B	Temperature Indicator	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	AI-IS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
291	TI-2261C	Temperature Indicator	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	AI-IS-NR	IG-2201-LCP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
292	XR-2281	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
293	XF-2281	Fault Status	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
294	LIT-2273	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0021 (1 of 1)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
295	EZSC-2272	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
296	EZSO-2272	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			
297	PIT-2272	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
298	PCV-2272	Pressure Control Valve	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AO-IS-R	DCS	FIELD	*	*	*	*	*	*	*	*						X		
299	LIT-2271	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
300	PSOV-2271	Solenoid Valve	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		
301	XZSC-2271	Limit Switch Close	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
302	XZSO-2271	Limit Switch Open	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
303	TIT-2271	Temperature Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
304	FIT-2271	Flow Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
305	PIT-2271	Pressure Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*					X			
306	LIT-2281	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0023	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
307	XF-2281	Fault status	BK-GCS-PEDCO-120-PR-PI-0023	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
308	XR-2281	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0023	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			D04 Modified

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
309	XSP-2281	Stop Command	BK-GCS-PEDCO-120-PR-PI-0023	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		D04 Modified
310	LIT-2291	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0024	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
311	XF-2291	Fault Status	BK-GCS-PEDCO-120-PR-PI-0024	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
312	XR-2291	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0024	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
313	XL-2291	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0024	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
314	XSP-2291	Stop Command	BK-GCS-PEDCO-120-PR-PI-0024	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
315	LIT-2293	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0025	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X	X		X			
316	PIT-2291	Level Indicator Transmitter	BK-GCS-PEDCO-120-PR-PI-0025	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	*		X			X			
317	XF-2293	Fault Status	BK-GCS-PEDCO-120-PR-PI-0025	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
318	XR-2293	Running/Stop Status	BK-GCS-PEDCO-120-PR-PI-0025	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
319	XL-2293	Local / Remote Status	BK-GCS-PEDCO-120-PR-PI-0025	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			
320	XSP-2293	Stop Command	BK-GCS-PEDCO-120-PR-PI-0025	DO-NIS-NR	DCS	IRP	*	*	*	*	*	*	*	*						X		
321	LIT-2301A	Level Indicator Transmitter	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*	X	X	X		X			D04 Modified
322	LIT-2302B	Level Indicator Transmitter	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 2)	AI-IS-NR	FIELD	DCS	*	*	*	*	*	*	*	*	X	X	X		X			D04 Modified
323	ZSC-2301	Limit Switch Close	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 2)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
324	ZSO-2301	Limit Switch Open	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 2)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
325	PSOV-2301	Solenoid Valve	BK-GCS-PEDCO-120-SA-PI-0001 (1 of 2)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
326	EZSC-3201	Limit Switch Close	BK-PPL-PEDCO-320-PR-PI-0001 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
327	EZSO-3201	Limit Switch Open	BK-PPL-PEDCO-320-PR-PI-0001 (1 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
328	PSOV-3201	Solenoid Valve	BK-PPL-PEDCO-320-PR-PI-0001 (1 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Modified
329	EZSC-3202	Limit Switch Close	BK-PPL-PEDCO-320-PR-PI-0001 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Added
330	EZSO-3202	Limit Switch Open	BK-PPL-PEDCO-320-PR-PI-0001 (3 of 3)	DI-NIS-NR	FIELD	DCS	*	*	*	*	*	*	*	*					X			D04 Added
331	PSOV-3202	Solenoid Valve	BK-PPL-PEDCO-320-PR-PI-0001 (3 of 3)	DO-NIS-NR	DCS	FIELD	*	*	*	*	*	*	*	*						X		D04 Added
332	ESDR 1-PCS	PCS FAILURE	__	DO-NIS-R	DCS	ESD	*	*	*	*	*	*	*	*						X		
333	ESDR 1-FLR	FLARE IGNITION FAILURE	__	DO-NIS-R	DCS	ESD	*	*	*	*	*	*	*	*						X		

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
334	XOC-LV-Q0A	Open/Close Status (SWGR-Incoming A-Q0A)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
335	XF-LV-Q0A	Fault Status (SWGR-Incoming A-Q0A)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
336	XF-TR-001	Fault Status (Transformer-001)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
337	XOC-LV-Q0B	Open/Close Status (SWGR-Incoming B-Q0B)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
338	XF-LV-Q0B	Fault Status(SWGR-Incoming B-Q0B)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
339	XF-TR-002	Fault Status (Transformer-002)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
340	XOC-LV-Q0C	Open/Close Status (SWGR-Bus Tie C-Q0C)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
341	XF-LV-Q0C	Fault Status (SWGR-Bus Tie C-Q0C)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
342	XOC-LV-Q0E	Open/Close Status (SWGR-DG C.B-Q0E)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
343	XF-LV-Q0E	Fault Status (SWGR-DG C.B-Q0E)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
344	XOC-LV-Q0D	Open/Close Status (SWGR-DG Bus Tie-Q0D)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
345	XF-LV-Q0D	Fault Status (SWGR-DG Bus Tie-Q0D)	__	DI-NIS-NR	IRP (LV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
346	XF-UPS-001-CH01	Fault Status (110V AC UPS-001 (CH01))	__	DI-NIS-NR	UPS Charger	DCS	*	*	*	*	*	*	*	*					X			D04 modified
347	XF-UPS-001-CH02	Fault Status (110V AC UPS-001 (CH02))	__	DI-NIS-NR	UPS Charger	DCS	*	*	*	*	*	*	*	*					X			D04 modified
348	XOC-MV-001A-Q2	Open/Close Status (SWGR-Transformer feeder-Q2)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
349	XF-MV-001A-Q2	Fault Status(SWGR-Transformer feeder-Q2)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
354	XOC-MV-001A-Q5	Open/Close Status (SWGR-Spare -Q5)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
355	XF-MV-001A-Q5	Fault Status (SWGR-Spare -Q5)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
356	XOC-MV-001B-Q2	Open/Close Status (SWGR-Transformer feeder-Q2)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	شماره پیمان:
D04	0002	LI	IN	120	PEDCO	GCS	۹۱۸٤ – ۰۷۳ - ۰۵۳

I/O List For Control System

D04

ITEM	TAG	DESCRIPTION	P&ID	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.		
357	XF-MV-001B-Q2	Fault Status (SWGR-Transformer feeder-Q2)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
1	XOC-MV-001B-Q4	Open/Close Status (SWGR-Transformer feeder-Q4)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
361	XF-MV-001B-Q4	Fault Status (SWGR-Transformer feeder-Q4)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
362	XOC-MV-001B-Q5	Open/Close Status (SWGR-Spare -Q5)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
363	XF-MV-001B-Q5	Fault Status (SWGR-Spare -Q5)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
364	XOC-MV-001C-Q3	Open/Close Status (SWGR-Fire Pump -Q3)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
365	XF-MV-001C-Q3	Fault Status (SWGR-Fire Pump -Q3)	__	DI-NIS-NR	IRP (MV SWG)	DCS	*	*	*	*	*	*	*	*					X			D04 modified
366	XL-ATS	Auto/Manual Status	__	DI-NIS-NR	IRP	DCS	*	*	*	*	*	*	*	*					X			D04 modified

I/O List For UCP-C-2101

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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	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 (Note 2)	FIELD	*	*	*	*	*	*	*	*						X		D04 Added
2	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			D04 Added
3	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			D04 Added
4	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		D04 Modified
5	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			D04 Modified
6	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			D04 Modified
7	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		D04 Added
8	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			D04 Added
9	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			D04 Added
10	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			D04 Added
11	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		D04 Added
12	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			D04 Added
13	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			D04 Added
14	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			D04 Added
15	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			D04 Added
16	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			D04 Added
17	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			D04 Added
18	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		D04 Added
19	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			D04 Modified
20	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			D04 Modified
21	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			D04 Added
22	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			D04 Added
23	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			D04 Added
24	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			D04 Added
25	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			D04 Added
26	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			D04 Added

I/O List For UCP-C-2101

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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.		
27	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		D04 Modified
28	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			D04 Modified
29	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			D04 Modified
30	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		D04 Modified
31	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			D04 Modified
32	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			D04 Modified
33	XOC-MV-001A-Q3	Open/Close Status (SWGR-Gas Compressor-A-2101A-Q3)	CONTROL ROOM	—	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			D04 Added
34	XF-MV-001A-Q3	Fault Status (SWGR-Gas Compressor-A-2101A-Q3)	CONTROL ROOM	—	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101A	*	*	*	*	*	*	*	*					X			D04 Added
35	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		D04 Modified
36	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			D04 Modified
37	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			D04 Modified
38	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		D04 Added
39	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			D04 Added
40	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			D04 Added
41	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			D04 Added
42	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		D04 Added
43	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			D04 Added
44	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			D04 Added
45	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			D04 Added
46	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			D04 Added
47	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			D04 Added
48	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			D04 Added
49	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		D04 Modified
50	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			D04 Modified
51	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			D04 Modified
52	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			D04 Added
53	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			D04 Added

I/O List For UCP-C-2101

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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.		
54	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			D04 Added
55	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			D04 Added
56	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			D04 Added
57	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			D04 Added
58	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		D04 Modified
59	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			D04 Modified
60	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			D04 Modified
61	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		D04 Modified
62	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			D04 Modified
63	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			D04 Modified
64	XOC-MV-001A-Q4	Open/Close Status (SWGR-Gas Compressor-C-2101C-Q4)	CONTROL ROOM	—	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			D04 Added
65	XF-MV-001A-Q4	Fault Status(SWGR-Gas Compressor-C-2101C-Q4)	CONTROL ROOM	—	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101B	*	*	*	*	*	*	*	*					X			D04 Added
66	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		D04 Modified
67	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			D04 Modified
68	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			D04 Modified
69	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		D04 Modified
70	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			D04 Modified
71	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			D04 Modified
72	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			D04 Added
73	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		D04 Added
74	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			D04 Added
75	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			D04 Added
76	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			D04 Added
77	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			D04 Added
78	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			D04 Added
79	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			D04 Added
80	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		D04 Modified

I/O List For UCP-C-2101

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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.		
81	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			D04 Modified
82	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			D04 Modified
83	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			D04 Added
84	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			D04 Added
85	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			D04 Added
86	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			D04 Added
87	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			D04 Added
88	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			D04 Added
89	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		D04 Modified
90	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			D04 Modified
91	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			D04 Modified
92	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		D04 Modified
93	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			D04 Modified
94	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			D04 Modified
95	XOC-MV-001B-Q3	Open/Close Status (SWGR-Gas Compressor-C-2101B-Q3)	CONTROL ROOM	—	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			D04 Added
96	XF-MV-001B-Q3	Fault Status (SWGR-Gas Compressor-C-2101B-Q3)	CONTROL ROOM	—	DI-NIS-NR	IRP (MV SWG)	UCP-GC-2101C	*	*	*	*	*	*	*	*					X			D04 Added

Note 1: Gas Compressor Unit ESD System

SOFTWARE DATA-LINK LIST FOR UCP

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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-2101 (NOTE 7)																							
1	XF-2121A	Fault Status	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
2	XR-2121A	Running/Stop Status	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
3	FIA-2121A	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
4	PIA-2123A	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
5	TIA-2122A	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
6	PIA-2124A	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
7	TIA-2123A	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
8	FIA-2131A	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
9	PIA-2132A	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
10	TIA-2132A	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
11	PIA-2132A	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
12	TIA-2133A	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	Data-Link Software	UCP-C-2101A	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
13	XF-2121B	Fault Status	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
14	XR-2121B	Running/Stop Status	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
15	FIA-2121B	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
16	PIA-2123B	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
17	TIA-2122B	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
18	PIA-2124B	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
19	TIA-2123B	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
20	FIA-2131B	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
21	PIA-2132B	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
22	TIA-2132B	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
23	PIA-2132B	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
24	TIA-2133B	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	Data-Link Software	UCP-C-2101B	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
25	XR-2121C	Running/Stop Status	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*					X			D04 Modified
26	FIA-2121C	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
27	PIA-2123C	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
28	TIA-2122C	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
29	PIA-2124C	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
30	TIA-2123C	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
31	FIA-2131C	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified

SOFTWARE DATA-LINK LIST FOR UCP

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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.		
32	PIA-2132C	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
33	TIA-2132C	Suction	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
34	PIA-2132C	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
35	TIA-2133C	Discharge	UCP-C-2101	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	Data-Link Software	UCP-C-2101C	DCS	*	*	*	*	*	*	*	*		X	X		X			D04 Modified
PK-C-2203 A (NOTE 7)																							
36	XR-2201A	Running/Stop Status	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*					X			
37	XF-2201A	Fault Status	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*					X			
38	XA-2201A	Availibility	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*					X			
39	XD-2201A	Duty/Standby Status	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*					X			
40	TAH-2201A	Temperature High Alarm	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*		X			X			
41	PAL-2201A	Pressure Low Alarm	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*			X		X			
42	PAH-2201A	Pressure Low Alarm	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)	Data-Link Software	PK-C-2203 A	DCS	*	*	*	*	*	*	*	*		X			X			
43	HSD-2201A	Duty/Standby Command	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)	Data-Link Software	DCS	PK-C-2203 A	*	*	*	*	*	*	*	*					X			
PK-C-2203 B (NOTE 7)																							
44	XR-2201B	Running/Stop Status	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*					X			
45	XF-2201B	Fault Status	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*					X			
46	XA-2201B	Availibility	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*					X			
47	XD-2201B	Duty/Standby Status	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*					X			
48	TAH-2201B	Temperature High Alarm	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*		X			X			
49	PAL-2201B	Pressure Low Alarm	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*			X		X			
50	PAH-2201B	Pressure Low Alarm	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)	Data-Link Software	PK-C-2203 B	DCS	*	*	*	*	*	*	*	*		X			X			
51	HSD-2201B	Duty/Standby Command	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)	Data-Link Software	DCS	PK-C-2203 B	*	*	*	*	*	*	*	*					X			
PK-G-2204 (NOTE 7)																							
52	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			
53	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			
54	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			
55	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			
56	PAL-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	*	*	*	*	*	*	*	*			X		X			
57	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	*	*	*	*	*	*	*	*		X			X			
58	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			

SOFTWARE DATA-LINK LIST FOR UCP

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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.		
59	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	*	*	*	*	*	*	*	*					X			
60	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	*	*	*	*	*	*	*	*					X			
61	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			
62	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			
63	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)																							
64	XO-UPS-001-CH01	On/Off Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
65	XC-UPS-001-CH01	Current Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
66	XV-UPS-001-CH01	Voltage Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
110V AC UPS-001 (CH02)																							
67	XO-UPS-001-CH02	On/Off Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
68	XC-UPS-001-CH02	Current Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
69	XV-UPS-001-CH02	Voltage Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
24V DC UPS-002 (CH01)																							
70	XO-UPS-002-CH01	On/Off Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
71	XC-UPS-002-CH01	Current Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
72	XV-UPS-002-CH01	Voltage Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
73	XF-UPS-002-CH01	Fault Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED

SOFTWARE DATA-LINK LIST FOR UCP

D04

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	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.		
24V DC UPS-002 (CH02)																							
74	XO-UPS-002-CH02	On/Off Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
75	XC-UPS-002-CH02	Current Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
76	XV-UPS-002-CH02	Voltage Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
77	XF-UPS-002-CH02	Fault Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
110V DC CHARGER-001 (CH01)																							
78	XO-CHG-001-CH01	On/Off Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
79	XC-CHG-001-CH01	Current Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
80	XV-CHG-001-CH01	Voltage Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
81	XF-CHG-001-CH01	Fault Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
110V DC CHARGER-001 (CH02)																							
82	XO-CHG-001-CH02	On/Off Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
83	XC-CHG-001-CH02	Current Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
84	XV-CHG-001-CH02	Voltage Sample	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
85	XF-CHG-001-CH02	Fault Status	CONTROL ROOM	—	Data-Link Software	UPS Charger	DCS	*	*	*	*	*	*	*	*								D03 ADDED
400 V SWGR-INCOMING																							
86	XM-LV-IN1	Multifunction Meter	CONTROL ROOM	—	Data-Link Software	IRP	DCS	*	*	*	*	*	*	*	*					X			D03 ADDED
87	XM-LV-IN2	Multifunction Meter	CONTROL ROOM	—	Data-Link Software	IRP	DCS	*	*	*	*	*	*	*	*					X			D03 ADDED
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