

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک						 		
	ELECTRICAL I/O SIGNAL LIST								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته EL	نوع مدرک LI	سریال 0005	نسخه D00	شماره صفحه: ۱ از ۴

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL I/O SIGNAL LIST

نگهداشت و افزایش تولید میدان نفتی بینک

D00	Jun.2022	IFC	H.Shakiba	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 2 CLIENT Doc. Number: F0Z-709070

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

ELECTRICAL I/O SIGNAL LIST



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
D00	0005	LI	EL	120	PEDCO	GCS	BK

شماره صفحه: ۴ از ۲

REVISION RECORD SHEET

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Item	Bus	Electrical Equipment Number	Load	Instrument Description	Description	From	To	Signal Tag
1	GCS-400-NSWG-001A	P-2101A	Slug Pump A	P-2101A	Local/Remote Status	IRP	DCS	XL-2111A
					Running Status	IRP	DCS	XR-2111A
					Fault Status	IRP	DCS	XF-2111A
					Start Command	DCS	IRP	XSS-2111A
					Stop Command	DCS	IRP	XSP-2111A
					Trip Command	ESD	IRP	ESD-P-2111-A
2	GCS-400-NSWG-001B	P-2101B	Slug Pump B	P-2101B	Local/Remote Status	IRP	DCS	XL-2111B
					Running Status	IRP	DCS	XR-2111B
					Fault Status	IRP	DCS	XF-2111B
					Start Command	DCS	IRP	XSS-2111B
					Stop Command	DCS	IRP	XSP-2111B
					Trip Command	ESD	IRP	ESD-P-2111-B
3	GCS-400-NSWG-001A	AC-2121A	First Stage Air Cooler 21A	From 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	Local/Remote Status	IRP	DCS	XL-2121A
					Running Status	IRP	DCS	XR-2121A
					Fault Status	IRP	DCS	XF-2121A
					Start Command	DCS	IRP	XSS-2121A
					Stop Command	DCS	IRP	XSP-2121A
					Trip Command	ESD	IRP	ESD-AE-2101-A-1
4	GCS-400-NSWG-001A	AC-2122A	First Stage Air Cooler 22A	From 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	Local/Remote Status	IRP	DCS	XL-2122A
					Running Status	IRP	DCS	XR-2122A
					Fault Status	IRP	DCS	XF-2122A
					Start Command	DCS	IRP	XSS-2122A
					Stop Command	DCS	IRP	XSP-2122A
					Trip Command	ESD	IRP	ESD-AE-2101-A-2
5	GCS-400-NSWG-001B	AC-2121B	First Stage Air Cooler 21B	From 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	Local/Remote Status	IRP	DCS	XL-2121B
					Running Status	IRP	DCS	XR-2121B
					Fault Status	IRP	DCS	XF-2121B
					Start Command	DCS	IRP	XSS-2121B
					Stop Command	DCS	IRP	XSP-2121B
					Trip Command	ESD	IRP	ESD-AE-2101-B-1
6	GCS-400-NSWG-001B	AC-2122B	First Stage Air Cooler 22B	From 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	Local/Remote Status	IRP	DCS	XL-2122B
					Running Status	IRP	DCS	XR-2122B
					Fault Status	IRP	DCS	XF-2122B
					Start Command	DCS	IRP	XSS-2122B
					Stop Command	DCS	IRP	XSP-2122B
					Trip Command	ESD	IRP	ESD-AE-2101-B-2
7	GCS-400-NSWG-001A	AC-2121C	First Stage Air Cooler 21C	From 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	Local/Remote Status	IRP	DCS	XL-2121C
					Running Status	IRP	DCS	XR-2121C
					Fault Status	IRP	DCS	XF-2121C
					Start Command	DCS	IRP	XSS-2121C
					Stop Command	DCS	IRP	XSP-2121C
					Trip Command	ESD	IRP	ESD-AE-2101-C-1
8	GCS-400-NSWG-001A	AC-2122C	First Stage Air Cooler 22C	From 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	Local/Remote Status	IRP	DCS	XL-2122C
					Running Status	IRP	DCS	XR-2122C
					Fault Status	IRP	DCS	XF-2122C
					Start Command	DCS	IRP	XSS-2122C
					Stop Command	DCS	IRP	XSP-2122C
					Trip Command	ESD	IRP	ESD-AE-2101-C-2
9	GCS-400-NSWG-001A	AC-2131A	Second Stage Air Cooler 31A	From 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	Local/Remote Status	IRP	DCS	XL-2131A
					Running Status	IRP	DCS	XR-2131A
					Fault Status	IRP	DCS	XF-2131A
					Start Command	DCS	IRP	XSS-2131A
					Stop Command	DCS	IRP	XSP-2131A
					Trip Command	ESD	IRP	ESD-AE-2102-A-1
10	GCS-400-NSWG-001A	AC-2132A	Second Stage Air Cooler 32A	From 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	Local/Remote Status	IRP	DCS	XL-2132A
					Running Status	IRP	DCS	XR-2132A
					Fault Status	IRP	DCS	XF-2132A
					Start Command	DCS	IRP	XSS-2132A
					Stop Command	DCS	IRP	XSP-2132A
					Trip Command	ESD	IRP	ESD-AE-2102-A-2
11	GCS-400-NSWG-001B	AC-2131B	Second Stage Air Cooler 31B	From 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	Local/Remote Status	IRP	DCS	XL-2131B
					Running Status	IRP	DCS	XR-2131B
					Fault Status	IRP	DCS	XF-2131B
					Start Command	DCS	IRP	XSS-2131B
					Stop Command	DCS	IRP	XSP-2131B
					Trip Command	ESD	IRP	ESD-AE-2102-B-1
12	GCS-400-NSWG-001B	AC-2132B	Second Stage Air Cooler 32B	From 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	Local/Remote Status	IRP	DCS	XL-2132B
					Running Status	IRP	DCS	XR-2132B
					Fault Status	IRP	DCS	XF-2132B
					Start Command	DCS	IRP	XSS-2132B
					Stop Command	DCS	IRP	XSP-2132B
					Trip Command	ESD	IRP	ESD-AE-2102-B-2
13	GCS-400-NSWG-001A	AC-2131C	Second Stage Air Cooler 31C	From 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	Local/Remote Status	IRP	DCS	XL-2131C
					Running Status	IRP	DCS	XR-2131C
					Fault Status	IRP	DCS	XS-2131C
					Start Command	DCS	IRP	XSS-2131C
					Stop Command	DCS	IRP	XSP-2131C
					Trip Command	ESD	IRP	ESD-2131C
14	GCS-400-NSWG-001A	AC-2132C	Second Stage Air Cooler 32C	From 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	Local/Remote Status	IRP	DCS	AC-2132C
					Running Status	IRP	DCS	XR-2132C
					Fault Status	IRP	DCS	XF-2132C
					Start Command	DCS	IRP	XSS-2132C
					Stop Command	DCS	IRP	XSP-2132C
					Trip Command	ESD	IRP	ESD-2132C
15	GCS-400-NSWG-001A	P-2103A	Glycol Transfer Pump A	P-2103A	Local/Remote Status	IRP	DCS	XL-2161A
					Running Status	IRP	DCS	XR-2161A
					Fault Status	IRP	DCS	XF-2161A
					Start Command	DCS	IRP	XSS-2161A
					Stop Command	DCS	IRP	XSP-2161A
					Trip Command	ESD	IRP	ESD-P-2161-A
					Local/Remote Status	IRP	DCS	XL-2161B
					Running Status	IRP	DCS	XR-2161B

Item	Bus	Electrical Equipment Number	Load	Instrument Description	Description	From	To	Signal Tag
16	GCS-400-NSWG-001B	P-2103 B	Glycol Transfer Pump B	P-2103B	Fault Status	IRP	DCS	XF-2161B
					Start Command	DCS	IRP	XSS-2161B
					Stop Command	DCS	IRP	XSP-2161B
					Trip Command	ESD	IRP	ESD-P-2161-B
17	GCS-400-NSWG-001A	P-2203A	Sump Pump A	P-2203-A	Local/Remote Status	IRP	DCS	XL-2222A
					Running Status	IRP	DCS	XR-2222A
					Fault Status	IRP	DCS	XF-2222A
					Start Command	DCS	IRP	XSS-2222A
					Stop Command	DCS	IRP	XSP-2222A
					Trip Command	ESD	IRP	ESD-P-2203-A
18	GCS-400-NSWG-001B	P-2203B	Sump Pump B	P-2203-B	Local/Remote Status	IRP	DCS	XL-2222B
					Running Status	IRP	DCS	XR-2222B
					Fault Status	IRP	DCS	XF-2222B
					Start Command	DCS	IRP	XSS-2222B
					Stop Command	DCS	IRP	XSP-2222B
					Trip Command	ESD	IRP	ESD-P-2203-B
19	GCS-400-NSWG-001A	P-2202A	Closed Drain Pump A	P-2202-A	Local/Remote Status	IRP	DCS	XL-2221A
					Running Status	IRP	DCS	XR-2221A
					Fault Status	IRP	DCS	XF-2221A
					Start Command	DCS	IRP	XSS-2221A
					Stop Command	DCS	IRP	XSP-2221A
					Trip Command	ESD	IRP	ESD-P-2202-A
20	GCS-400-NSWG-001B	P-2202B	Closed Drain Pump B	P-2202-B	Local/Remote Status	IRP	DCS	XL-2221B
					Running Status	IRP	DCS	XR-2221B
					Fault Status	IRP	DCS	XF-2221B
					Start Command	DCS	IRP	XSS-2221B
					Stop Command	DCS	IRP	XSP-2221B
					Trip Command	ESD	IRP	ESD-P-2202-B
21	GCS-400-NSWG-001A	P-2209	Potable Water Pump	P-2209	Local/Remote Status	IRP	DCS	XL-2291
					Running Status	IRP	DCS	XR-2291
					Fault Status	IRP	DCS	XF-2291
					Start Command	DCS	IRP	XSS-2291
					Stop Command	DCS	IRP	XSP-2291
					Trip Command	ESD	IRP	ESD-P-2209
22	GCS-400-NSWG-001A	P-2206	Diesel Oil Pump	P-2206	Fault Status	IRP	DCS	XF-2281
					Running Status	IRP	DCS	XR-2281
					Trip Command	ESD	IRP	ESD-P-2206
23	GCS-400-NSWG-001E	P-2201A	LP Flare K.O. Drum Pump A	P-2201 A	Local/Remote Status	IRP	DCS	XL-2251A
					Running Status	IRP	DCS	XR-2251A
					Fault Status	IRP	DCS	XF-2251A
					Start Command	DCS	IRP	XSS-2251A
					Stop Command	DCS	IRP	XSP-2251A
					Trip Command	ESD	IRP	ESD-2201A
24	GCS-400-NSWG-001E	P-2201B	LP Flare K.O. Drum Pump B	P-2201 A	Local/Remote Status	IRP	DCS	XL-2251B
					Running Status	IRP	DCS	XR-2251B
					Fault Status	IRP	DCS	XF-2251B
					Start Command	DCS	IRP	XSS-2251B
					Stop Command	DCS	IRP	XSP-2251B
					Trip Command	ESD	IRP	ESD-2201B
25	GCS-400-NSWG-001B	P-2104	Glycol Drain Pump	P-2104	Local/Remote Status	IRP	DCS	XL-2293
					Running Status	IRP	DCS	XR-2293
					Fault Status	IRP	DCS	XF-2293
					Start Command	DCS	IRP	XSS-2293
					Stop Command	DCS	IRP	XSP-2293
					Trip Command	ESD	IRP	ESD-P-2104

Notes

Reference documnts are:

1- I/O List for Control System "BK-GCS-PEDCO-120-IN-LI-0002"

2- I/O List for ESD System "BK-GCS-PEDCO-120-IN-LI-0003"

3- Wiring Diagram For Interposing Relay Panel (IRP) "BK-GCS-PEDCO-120-EL-DG-0011"