

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک									
	I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD									
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری W007S	صادر کننده PEDCO	تسهیلات 110	رشته IN	نوع مدرک LI	سریال 0002	نسخه D02	شماره صفحه: 1 از 5	

طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD

نگهداشت و افزایش تولید میدان نفتی بینک

D02	AUG.2022	AFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	FEB.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	NOV.2021	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
Class: 2		CLIENT Doc. Number: F0Z-708003				

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
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NISOC

تکهداشت و افزایش تولید میدان نفتی بینک
فعالیت های رو زمینی در بسته های کاری تحت الارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات
برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD



شماره صفحه: 2 از 5

شماره پیمان:

053 - 073 - 9184

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه
D02	0002	LI	IN	110	PEDCO	W007S	BK

REVISION RECORD SHEET

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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت‌های رو زمینی در بسته‌های کاری تحت‌الارض عمومی و مشترک								
	I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD								
شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 3 از 6
053 - 073 - 9184	BK	SSGRL	PEDCO	110	IN	LI	0002	D02	

REFERENCES:

P&ID - EXTENSION OF BINAK B/C MANIFOLD	BK-W007S-PEDCO-110-PR-PI-0001
P&ID - W007S	BK-W007S-PEDCO-110-PR-PI-0002
P&ID - W008N	BK-W008N-PEDCO-110-PR-PI-0001
P&ID - W018S	BK-W018S-PEDCO-110-PR-PI-0001
P&ID - W028	BK-W028-PEDCO-110-PR-PI-0001
P&ID - W035	BK-W035-PEDCO-110-PR-PI-0001
P&ID - W046S	BK-W046S-PEDCO-110-PR-PI-0001

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

NOTE 1 : GALVANIC ISOLATION BARRIER SHALL BE CONSIDERED FOR INTRINSICALLY SAFE (EExia) LOOPS.

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

NOTE 3 : DETAIL INFORMATION OF SYSTEM CABINETS AND MARSHALLING CABINETS INCLUDING: CABINET NAME, RACK AND SLOT NUMBERS, NUMBER OF CHANNELS, ADDRESS OF I/O SIGNALS, TERMINAL BLOCK STRIP NAMES, WHICH ARE SHOWN WITH "*" NOW, WILL BE COMPLETED IN CONTROL SYSTEM VENDORS DOCUMENTS.

NOTE 4 : ONE PORTABLE TRANSMITTER FOR ALL CORROSION PROBES SHALL BE CONSIDERED BY VENDOR.



ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD



شماره پیمان:

053 - 073 - 9184

پروژه

بسته کاری

صادرکننده

سهیلات

شته

مع مدرک

سریال

نسخه

شماره صفحه: 4 از 5

PCS I/O SUMMERY COUNT

ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY	REMARKS
1	AI-IS-R	IS	R	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	6	NOTES 1,2
2	AI-IS	IS	NR	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	6	NOTES 1,2
3	AO-IS-R	IS	R	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	6	NOTES 1,2
4	AO-IS	IS	NR	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	0	NOTES 1,2
5	DI-NIS	NIS	NR	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	16	NOTES 2
6	DO-NIS	NIS	NR	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	1	NOTES 2

D02

 NISOC		تجهیزات و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک								 شماره صفحه: 5 از 6															
		I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD																							
		شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه															
053 - 073 - 9184		BK	W007S	PEDCO	110	IN	LI	0002	D02																
I/O List For Control System - Extension of Binak B/C Manifold												D02													
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SERVICE	I/O TYPE	SIGNAL TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
										CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	LL	L	H	HH	IND/STA	COM.		
1	RSOV-1701A	Process Solenoid Valve	FROM W018S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	DQ-NIS	24VDC LOOP POWER	DCS	RSOV-1701A	*	*	*	*	*	*	*	*						X		D02 DELETED
2	EZSO-1701A	Limit Switch Open	FROM W018S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	DI-NIS	24VDC	EZSO-1701A	DCS	*	*	*	*	*	*	*	*						X		D02 ADDED
3	EZSC-1701A	Limit Switch Close	FROM W018S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	DI-NIS	24VDC	EZSC-1701A	DCS	*	*	*	*	*	*	*	*						X		D02 ADDED
4	PT-1702A	Pressure Transmitter	FROM W018S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	AI-IS	4-20 mA	PT-1702A	DCS	*	*	*	*	*	*	*	*						X		
5	FT-1701A	Flow Transmitter	FROM W018S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	AI-IS-R	4-20 mA	FT-1701A	DCS	*	*	*	*	*	*	*	*		X	X			X		
6	FCV-1701A	Flow Control Valve	FROM W018S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	AO-IS-R	24VDC LOOP POWER	DCS	FCV-1701A	*	*	*	*	*	*	*	*							X	D02 MODIFIED
7	RSOV-1701B	Process Solenoid Valve	FROM W046S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	DQ-NIS	24VDC LOOP POWER	DCS	RSOV-1701B	*	*	*	*	*	*	*	*						X		D02 DELETED
8	EZSO-1701B	Limit Switch Open	FROM W046S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	DI-NIS	24VDC	EZSO-1701B	DCS	*	*	*	*	*	*	*	*						X		D02 ADDED
9	EZSC-1701B	Limit Switch Close	FROM W046S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	DI-NIS	24VDC	EZSC-1701B	DCS	*	*	*	*	*	*	*	*						X		D02 ADDED
10	PT-1702B	Pressure Transmitter	FROM W046S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	AI-IS	4-20 mA	PT-1702B	DCS	*	*	*	*	*	*	*	*						X		
11	FT-1701B	Flow Transmitter	FROM W046S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	AI-IS-R	4-20 mA	FT-1701B	DCS	*	*	*	*	*	*	*	*		X	X			X		
12	FCV-1701B	Flow Control Valve	FROM W046S	BK-W007S-PEDCO-110-PR-PI-0001 (3/6)	GAS	AO-IS-R	24VDC LOOP POWER	DCS	FCV-1701B	*	*	*	*	*	*	*	*							X	
13	RSOV-1701C	Process Solenoid Valve	FROM W008N	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	DQ-NIS	24VDC LOOP POWER	DCS	RSOV-1701C	*	*	*	*	*	*	*	*						X		D02 DELETED
14	EZSO-1701C	Limit Switch Open	FROM W008N	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	DI-NIS	24VDC	EZSO-1701C	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
15	EZSC-1701C	Limit Switch Close	FROM W008N	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	DI-NIS	24VDC	EZSC-1701C	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
16	PT-1702C	Pressure Transmitter	FROM W008N	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	AI-IS	4-20 mA	PT-1702C	DCS	*	*	*	*	*	*	*	*						X		
17	FT-1701C	Flow Transmitter	FROM W008N	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	AI-IS-R	4-20 mA	FT-1701C	DCS	*	*	*	*	*	*	*	*		X	X			X		
18	FCV-1701C	Flow Control Valve	FROM W008N	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	AO-IS-R	24VDC LOOP POWER	DCS	FCV-1701C	*	*	*	*	*	*	*	*							X	
19	RSOV-1701D	Process Solenoid Valve	FROM W028	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	DQ-NIS	24VDC LOOP POWER	DCS	RSOV-1701D	*	*	*	*	*	*	*	*						X		D02 DELETED
20	EZSO-1701D	Limit Switch Open	FROM W028	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	DI-NIS	24VDC	EZSO-1701D	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
21	EZSC-1701D	Limit Switch Close	FROM W028	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	DI-NIS	24VDC	EZSC-1701D	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
22	PT-1702D	Pressure Transmitter	FROM W028	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	AI-IS	4-20 mA	PT-1702D	DCS	*	*	*	*	*	*	*	*						X		
23	FT-1701D	Flow Transmitter	FROM W028	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	AI-IS-R	4-20 mA	FT-1701D	DCS	*	*	*	*	*	*	*	*		X	X			X		
24	FCV-1701D	Flow Control Valve	FROM W028	BK-W007S-PEDCO-110-PR-PI-0001 (4/6)	GAS	AO-IS-R	24VDC LOOP POWER	DCS	FCV-1701D	*	*	*	*	*	*	*	*							X	
25	RSOV-1701E	Process Solenoid Valve	FROM W035	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	DQ-NIS	24VDC LOOP POWER	DCS	RSOV-1701E	*	*	*	*	*	*	*	*						X		D02 DELETED
26	EZSO-1701E	Limit Switch Open	FROM W035	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	DI-NIS	24VDC	EZSO-1701E	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
27	EZSC-1701E	Limit Switch Close	FROM W035	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	DI-NIS	24VDC	EZSC-1701E	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
28	PT-1702E	Pressure Transmitter	FROM W035	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	AI-IS	4-20 mA	PT-1702E	DCS	*	*	*	*	*	*	*	*						X		
29	FT-1701E	Flow Transmitter	FROM W035	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	AI-IS-R	4-20 mA	FT-1701E	DCS	*	*	*	*	*	*	*	*		X	X			X		
30	FCV-1701E	Flow Control Valve	FROM W035	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	AO-IS-R	24VDC LOOP POWER	DCS	FCV-1701E	*	*	*	*	*	*	*	*							X	
31	RSOV-1701F	Process Solenoid Valve	FROM W007S	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	DQ-NIS	24VDC LOOP POWER	DCS	RSOV-1701F	*	*	*	*	*	*	*	*						X		D02 DELETED
32	EZSO-1701F	Limit Switch Open	FROM W007S	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	DI-NIS	24VDC	EZSO-1701F	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
33	EZSC-1701F	Limit Switch Close	FROM W007S	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	DI-NIS	24VDC	EZSC-1701F	DCS	*	*	*	*	*	*	*	*						X		D02 MODIFIED
34	PT-1702F	Pressure Transmitter	FROM W007S	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	AI-IS	4-20 mA	PT-1702F	DCS	*	*	*	*	*	*	*	*						X		
35	FT-1701F	Flow Transmitter	FROM W007S	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	AI-IS-R	4-20 mA	FT-1701F	DCS	*	*	*	*	*	*	*	*		X	X			X		
36	FCV-1701F	Flow Control Valve	FROM W007S	BK-W007S-PEDCO-110-PR-PI-0001 (5/6)	GAS	AO-IS-R	24VDC LOOP POWER	DCS	FCV-1701F	*	*	*	*	*	*	*	*							X	
37	LT-1701	Level Transmitter	OIL SUMP	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	GAS	AI-IS	4-20 mA	LT-1701	DCS	*	*	*	*	*	*	*	*		X	X			X		
38	XST-1702	Start Command	OIL SUMP (P-1701)	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	LIQUID	DQ-NIS	24VDC	DCS	MCC (IRP)	*	*	*	*	*	*	*	*							X	D02 DELETED

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک								 شرکت توسعه و پیمانکاری 																		
		I/O LIST FOR CONTROL SYSTEM - EXTENSION OF BINAK B/C MANIFOLD								شماره صفحه: 6 از 6																		
		شماره پیمان:		پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدارک	سریال	نسخه																	
053 - 073 - 9184		BK	W007S	PEDCO	110	IN	LI	0002	D02																			
I/O List For Control System - Extension of Binak B/C Manifold																												
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SERVICE	I/O TYPE	SIGNAL TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.			
										CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	LL	L	H	HH	IND/STA	COM.					
39	XSP-1702	Stop Command	OIL SUMP (P-1701)	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	LIQUID	DO-NIS	24VDC	DCS	MCC (IRP)	*	*	*	*	*	*	*	*						X					
40	XR-1702	Running	OIL SUMP (P-1701)	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	LIQUID	DI-NIS	24VDC	MCC (IRP)	DCS	*	*	*	*	*	*	*	*					X						
41	XF-1702	Fault	OIL SUMP (P-1701)	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	LIQUID	DI-NIS	24VDC	MCC (IRP)	DCS	*	*	*	*	*	*	*	*					X						
42	XL-1702	Local / Remote	OIL SUMP (P-1701)	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	LIQUID	DI-NIS	24VDC	MCC (IRP)	DCS	*	*	*	*	*	*	*	*					X						
43	XM-1702	AUTO / MANUAL	OIL SUMP (P-1701)	BK-W007S-PEDCO-110-PR-PI-0001 (6/6)	LIQUID	DI-NIS	24VDC	MCC (IRP)	DCS	*	*	*	*	*	*	*	*					X						