

 NISOC	Binak Oil Field Development Project Reciprocating Sour Gas Compressors								
	ALARM & SET POINT LIST								
Contract No:	Project	Package	Issuer	Facility	Dicipline	Doc.	Sequence	Rev	شماره صفحه: 1 از 5
053-073-9184	BK	GCS	HY	120	IN	LI	0004	V01	

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ALARM & SET POINT LIST

نگهداشت و افزایش تولید میدان نفتی بینک

V01	MAY.2024	IFR	HAVAYAR	M.Fakharian	S.Faramarzpour	
V00	FEB.2023	IFR	HAVAYAR	M.Fakharian	S.Faramarzpour	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

CLIENT Doc. Number:

statu:

IFA: Issued ForApproval
IFR: Issued For Review
IFI: Issued For Information
AFC: Approved For Construction

 NISOC	Binak Oil Field Development Project Reciprocating Sour Gas Compressors								 HAVAYAR INDUSTRIAL GROUP
	ALARM &SET POINT LIST								
Contract No: 053-073-9184	Project	Package	Issuer	Facility	Dicipline	Doc.	Sequence	Rev	شماره صفحه: 2 از 5
	BK	GCS	HY	120	IN	LI	0004	V01	

REVISION RECORD SHEET

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 Contract No:		Binak Oil Field Development Project Reciprocating Sour Gas Compressors								 HAVAYAR INDUSTRIAL GROUP				
		ALARM & SET POINT LIST												
		Project	Package	Issuer	Facility	Dicipline	Doc.	Sequence	Rev					
Contract No: 053-073-9184		BK	GCS	HY	120	IN	LI	0004	V01				شماره صفحه: 3 از 5	
Item No.	Tag Number	Description	Service 1	P&ID NUMBER		set point	Alarm Action		Shut Down Action		Range	Eng. Units	Remark	
					Operating/Design		L	H	LL	HH				
1	PDT-2122A	DIFF PRESSURE TRANSMITTER	STRAINER FILTER SUCTION COMP	BK-GCS-HY-120-PR-PI-0001 1A	0.1 / 0.2	—	—	0/2	—	—	0-0.4	BARG		
2	PT-2123A	PRESSURE TRANSMITTER	1st SUCTION COMP	BK-GCS-HY-120-PR-PI-0001 1A	4.9 / 24.5	—	4	6	—	—	0-25	BARG		
3	TT-2191A	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1A	37/180	—	—	140	—	—	0-200	°C		
4	TS-2191A	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1A	37/180	150	—	—	—	150	0-200	°C		
5	PT-2124A	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1A	18 / 24.5	—	—	19	—	—	0-25	BARG		
6	PDT-2132A	DIFF PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	0.1 / 0.2	—	—	0/2	—	—	0-0.4	BARG		
7	PT-2132A	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	17.1 / 24.5	—	14/7	—	—	—	0-25	BARG		
8	TT-2194A	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	148/180	—	—	160	—	—	0-200	°C		
9	TS-2194A	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	37/180	170	—	—	—	170	0-200	°C		
10	PT-2133A	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	54.9 / 62	—	—	56	—	—	10-100	BARG		
11	PS-2133A	PRESSURE SWITCH	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	54.9/62	57	—	—	—	57	10-100	BARG		
12	PT-2200A	PRESSURE TRANSMITTER	ON LUBRICATOR	BK-GCS-HY-120-PR-PI-0001 3A	4/10	—	4	—	—	—	0-10	BARG		
13	LT-2200A	LEVEL TRANSMITTER	ON CRANK CASE	BK-GCS-HY-120-PR-PI-0001 3A	0/425	—	32/25	—	—	—	0-425	mmH2O	start permission :37.5	
14	TT-2203A	TEMPERATURE TRANSMITTER	ON CRANK CASE	BK-GCS-HY-120-PR-PI-0001 3A	70/85	—	15	35	—	—	0-120	°C	Stop/Start Heater Crank Case	
15	PT-2204A	PRESSURE TRANSMITTER	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3A	6/10	—	1/5	5	—	—	0-10	BARG	start permission :5	
16	PS-2204A	PRESSURE SWITCH	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3A	5/10	1/2	—	—	1/2	—	0-10	BARG		
17	TT-2204A	TEMPERATURE TRANSMITTER	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3A	60/85	—	5	65	—	—	0-120	°C	start permission :36	
18	PDT-2204A	DIFF PRESSURE TRANSMITTER	LUBE OIL FILTER	BK-GCS-HY-120-PR-PI-0001 3A	0.1 / 0.5	—	—	0/7	—	—	0-1	BARG		
19	PT-2210A	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4A	2.2 / 5	—	1/2	—	—	—	0-6	BARG	start permission :2.2	
20	PT-2211A	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4A	1 / 5	—	0/2	—	—	—	0-6	BARG	start permission :2	
21	PT-2212A	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	1 / 5	—	—	4	HAVAYAR	—	0-6	BARG		
22	LT-2213A	LEVEL TRANSMITTER	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5A	0-1350	—	500	—	250	—	0-1350	mmH2O	LL: Main & Aux water pumps stop	
23	TT-2213A	TEMPERATURE TRANSMITTER	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5A	65/85	—	60	63	HAVAYAR	—	0-120	°C	Stop/Start Heater Water Reservor	
24	PS-2220A	PRESSURE SWITCH	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5A	3/10	2	—	—	2	—	0-10	BARG		
25	PT-2220A	PRESSURE TRANSMITTER	WATER TO CYLINDERS	BK-GCS-HY-120-PR-PI-0001 5A	3/10	—	2/5	3	—	—	0-10	BARG	Stop/Start Aux Water Pump	
26	TT-2221A	TEMPERATURE TRANSMITTER	WATER TO CYLINDERS	BK-GCS-HY-120-PR-PI-0001 5A	58/85	—	—	66	—	70	0-120	°C	start permission :60	
		VIBRATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7A	0/25.4	—	—	8	—	12	25/4	mm/SEC, RMS		
28	VT-2201A	VIBRATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7A	0/25.4	—	—	8	—	12	25/4	mm/SEC, RMS		
29	VT-2202A	VIBERATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7A	0/25.4	—	—	8	—	12	25/4	mm/SEC, RMS		
30	ZT-2200A	ROD DROP TRANSMITTER	LEFT Cylinder Rod Drop Detector	BK-GCS-HY-120-PR-PI-0001 7A	0/4	—	—	0/6	—	—	4	mm		
31	ZT-2201A	ROD DROP TRANSMITTER	Right Cylinder Rod Drop Detector	BK-GCS-HY-120-PR-PI-0001 7A	0/4	—	—	0/69	—	—	4	mm		
32	TT-2214A	TEMPERATURE TRANSMITTER	MOTOR NDE BEARING	BK-GCS-HY-120-PR-PI-0001 7A	0/95	—	—	90	—	95	0-200	°C		
33	TT-2215A	TEMPERATURE TRANSMITTER	MOTOR DE BEARING	BK-GCS-HY-120-PR-PI-0001 7A	0/95	—	—	90	—	95	0-200	°C		
34	TT-2216A	TEMPERATURE TRANSMITTER	COMP DE BEARING	BK-GCS-HY-120-PR-PI-0001 7A	0/105	—	—	95	-	105	0-200	°C		
35	TT-2217A	TEMPERATURE TRANSMITTER	Right Cylinder PACKING	BK-GCS-HY-120-PR-PI-0001 7A	0/130	—	—	120	-	130	0-200	°C		
36	TT-2218A	TEMPERATURE TRANSMITTER	COMP NDE BEARING	BK-GCS-HY-120-PR-PI-0001 7A	0/105	—	—	95	-	105	0-200	°C		
37	TT-2219A	TEMPERATURE TRANSMITTER	LEFT Cylinder PACKING	BK-GCS-HY-120-PR-PI-0001 7A	0/130	—	—	120	-	130	0-200	°C		
38	TT-2220A	TEMPERATURE TRANSMITTER	COMP MID BEARING	BK-GCS-HY-120-PR-PI-0001 7A	0/105	—	—	95	-	105	0-200	°C		
39	TE-2222A	TEMPERATURE ELEMET	MOTOR WINDING R	BK-GCS-HY-120-PR-PI-0001 7A	0/145	—	—	135	-	145	0-200	°C		
40	TE-2225A	TEMPERATURE ELEMET	MOTOR WINDING S	BK-GCS-HY-120-PR-PI-0001 7A	0/145	—	—	135	-	145	0-200	°C		
41	TE-2228A	TEMPERATURE ELEMET	MOTOR WINDING T	BK-GCS-HY-120-PR-PI-0001 7A	0/145	—	—	135	-	145	0-200	°C		
42	XT-2200A	Rotation Speed	Rotation Speed	BK-GCS-HY-120-PR-PI-0001 7A	0/500	—	—	430	-	-	0-500	RPM		
43	PCV-2120A	PRESSURE REGULATOR	INSTRUMENT AIR	BK-GCS-HY-120-PR-PI-0001 3A	6 / 12.5	6	—	—	—	—	—	BARG		
44	PCV-2205A	PRESSURE REGULATOR	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4A	2.2 / 5	0/5	—	—	—	—	—	BARG		
45	PCV-2206A	PRESSURE REGULATOR	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4A	2.2 / 5	2	—	—	—	—	—	BARG		
46	PCV-2201A	PRESSURE REGULATOR	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5A	6/10	6	—	—	—	—	—	BARG		
47	PSV-2132A	SAFETY VALVE	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	54.9 / 62	62	—	—	—	—	—	BARG		
48	PSV-2133A	SAFETY VALVE	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1A	54.9 / 62	62	—	—	—	—	—	BARG		
49	RV-2200A	RELIFE VALVE	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5A	6/10	7	—	—	—	—	—	BARG		
50	RV-2201A	RELIFE VALVE	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5A	6/10	7	—	—	—	—	—	BARG		
51	PSV-2203A	SAFETY VALVE	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4A	1 / 5	2/8	—	—	—	—	—	BARG		
52	PSV-2204A	SAFETY VALVE	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4A	1 / 5	2/8	—	—	—	—	—	BARG		

 NISOC		Binak Oil Field Development Project Reciprocating Sour Gas Compressors							 HAVAYAR INDUSTRIAL GROUP				
		ALARM & SET POINT LIST											
		Contract No:	Project	Package	Issuer	Facility	Dicipline	Doc.	Sequence	Rev			
Contract No: 053-073-9184		BK	GCS	HY	120	IN	LI	0004	V01				شماره صفحه: 4 از 5
Item No.	Tag Number	Description	Service 1	P&ID NUMBER	set point	Alarm Action		Shut Down Action		Range	Eng. Units	Remark	
						L	H	LL	HH				
1	PDT-2122B	DIFF PRESSURE TRANSMITTER	STRAINER FILTER SUCTION COMP	BK-GCS-HY-120-PR-PI-0001 1B	0.1 / 0.2	—	—	0/2	—	0-0.4	BARG		
2	PT-2123B	PRESSURE TRANSMITTER	1st SUCTION COMP	BK-GCS-HY-120-PR-PI-0001 1B	4.9 / 24.5	—	4	6	—	0-25	BARG		
3	TT-2191B	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1B	37/180	—	—	140	—	0-200	°C		
4	TS-2191B	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1B	37/180	150	—	—	150	0-200	°C		
5	PT-2124B	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1B	18 / 24.5	—	—	19	—	0-25	BARG		
6	PDT-2132B	DIFF PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	0.1 / 0.2	—	—	0/2	—	0-0.4	BARG		
7	PT-2132B	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	17.1 / 24.5	—	14/7	—	—	0-25	BARG		
8	TT-2194B	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	148/180	—	—	160	—	0-200	°C		
9	TS-2194B	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	37/180	170	—	—	170	0-200	°C		
10	PT-2133B	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	54.9 / 62	—	—	56	—	10-100	BARG		
11	PS-2133B	PRESSURE SWITCH	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	54.9/62	57	—	—	57	10-100	BARG		
12	PT-2200B	PRESSURE TRANSMITTER	ON LUBRICATOR	BK-GCS-HY-120-PR-PI-0001 3B	4/10	—	4	—	—	0-10	BARG		
13	LT-2200B	LEVEL TRANSMITTER	ON CRANK CASE	BK-GCS-HY-120-PR-PI-0001 3B	0/425	—	32/25	—	—	0-425	mmH2O	start permission :37.5	
14	TT-2203B	TEMPERATURE TRANSMITTER	ON CRANK CASE	BK-GCS-HY-120-PR-PI-0001 3B	70/85	—	15	35	—	0-120	°C	Stop/Start Heater Crank Case start permission:15	
15	PT-2204B	PRESSURE TRANSMITTER	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3B	6/10	—	1/5	5	—	0-10	BARG	start permission :5	
16	PS-2204B	PRESSURE SWITCH	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3B	5/10	1/2	—	—	1/2	0-10	BARG		
17	TT-2204B	TEMPERATURE TRANSMITTER	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3B	60/85	—	5	65	—	0-120	°C	start permission :36	
18	PDT-2204B	DIFF PRESSURE TRANSMITTER	LUBE OIL FILTER	BK-GCS-HY-120-PR-PI-0001 3B	0.1 / 0.5	—	—	0/7	—	0-1	BARG		
19	PT-2210B	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4B	2.2 / 5	—	1/2	—	—	0-6	BARG	start permission :2.2	
20	PT-2211B	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4B	1 / 5	—	0/2	—	—	0-6	BARG	start permission :2	
21	PT-2212B	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	1 / 5	—	—	4	HAVAYAR	0-6	BARG		
22	LT-2213B	LEVEL TRANSMITTER	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5B	0-1350	—	500	—	250	0-1350	mmH2O	LL: Main & Aux water pumps stop	
23	TT-2213B	TEMPERATURE TRANSMITTER	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5B	65/85	—	60	63	HAVAYAR	0-120	°C	Stop/Start Heater Water Reservor	
24	PS-2220B	PRESSURE SWITCH	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5B	3/10	2	—	—	2	0-10	BARG		
25	PT-2220B	PRESSURE TRANSMITTER	WATER TO CYLINDERS	BK-GCS-HY-120-PR-PI-0001 5B	3/10	—	2/5	3	—	0-10	BARG	Stop/Start Aux Water Pump start permission :3	
26	TT-2221B	TEMPERATURE TRANSMITTER	WATER TO CYLINDERS	BK-GCS-HY-120-PR-PI-0001 5B	58/85	—	—	66	—	0-120	°C	start permission :60	
27		VIBERATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7B	0/25.4	—	—	8	—	25/4	mm/SEC, RMS		
28	VT-2201B	VIBERATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7B	0/25.4	—	—	8	—	25/4	mm/SEC, RMS		
29	VT-2202B	VIBERATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7B	0/25.4	—	—	8	—	25/4	mm/SEC, RMS		
30	ZT-2200B	ROD DROP TRANSMITTER	LEFT Cylinder Rod Drop Detector	BK-GCS-HY-120-PR-PI-0001 7B	0/4	—	—	0/6	—	4	mm		
31	ZT-2201B	ROD DROP TRANSMITTER	Right Cylinder Rod Drop Detector	BK-GCS-HY-120-PR-PI-0001 7B	0/4	—	—	0/69	—	4	mm		
32	TT-2214B	TEMPERATURE TRANSMITTER	MOTOR NDE BEARING	BK-GCS-HY-120-PR-PI-0001 7B	0/95	—	—	90	—	95	0-200	°C	
33	TT-2215B	TEMPERATURE TRANSMITTER	MOTOR DE BEARING	BK-GCS-HY-120-PR-PI-0001 7B	0/95	—	—	90	—	95	0-200	°C	
34	TT-2216B	TEMPERATURE TRANSMITTER	COMP DE BEARING	BK-GCS-HY-120-PR-PI-0001 7B	0/105	—	—	95	-	105	0-200	°C	
35	TT-2217B	TEMPERATURE TRANSMITTER	Right Cylinder PACKING	BK-GCS-HY-120-PR-PI-0001 7B	0/130	—	—	120	-	130	0-200	°C	
36	TT-2218B	TEMPERATURE TRANSMITTER	COMP NDE BEARING	BK-GCS-HY-120-PR-PI-0001 7B	0/105	—	—	95	-	105	0-200	°C	
37	TT-2219B	TEMPERATURE TRANSMITTER	LEFT Cylinder PACKING	BK-GCS-HY-120-PR-PI-0001 7B	0/130	—	—	120	-	130	0-200	°C	
38	TT-2220B	TEMPERATURE TRANSMITTER	COMP MID BEARING	BK-GCS-HY-120-PR-PI-0001 7B	0/105	—	—	95	-	105	0-200	°C	
39	TE-2222B	TEMPERATURE ELEMET	MOTOR WINDING R	BK-GCS-HY-120-PR-PI-0001 7B	0/145	—	—	135	-	145	0-200	°C	
40	TE-2225B	TEMPERATURE ELEMET	MOTOR WINDING S	BK-GCS-HY-120-PR-PI-0001 7B	0/145	—	—	135	-	145	0-200	°C	
41	TE-2228B	TEMPERATURE ELEMET	MOTOR WINDING T	BK-GCS-HY-120-PR-PI-0001 7B	0/145	—	—	135	-	145	0-200	°C	
42	XT-2200B	Rotation Speed	Rotation Speed	BK-GCS-HY-120-PR-PI-0001 7B	0/500	—	—	430	-	-	0-500	RPM	
43	PCV-2120B	PRESSURE REGULATOR	INSTRUMENT AIR	BK-GCS-HY-120-PR-PI-0001 3B	6 / 12.5	6	—	—	—	—	BARG		
44	PCV-2205B	PRESSURE REGULATOR	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4B	2.2 / 5	0/5	—	—	—	—	BARG		
45	PCV-2206B	PRESSURE REGULATOR	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4B	2.2 / 5	2	—	—	—	—	BARG		
46	PCV-2201B	PRESSURE REGULATOR	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5B	6/10	6	—	—	—	—	BARG		
47	PSV-2132B	SAFETY VALVE	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	54.9 / 62	62	—	—	—	—	BARG		
48	PSV-2133B	SAFETY VALVE	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1B	54.9 / 62	62	—	—	—	—	BARG		
49	RV-2200B	RELIFE VALVE	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5B	6/10	7	—	—	—	—	BARG		
50	RV-2201B	RELIFE VALVE	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5B	6/10	7	—	—	—	—	BARG		
51	PSV-2203B	SAFETY VALVE	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4B	1 / 5	2/8	—	—	—	—	BARG		
52	PSV-2204B	SAFETY VALVE	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4B	1 / 5	2/8	—	—	—	—	BARG		

 NISOC Contract No: 053-073-9184 Binak Oil Field Development Project Reciprocating Sour Gas Compressors ALARM & SET POINT LIST  HAVAYAR INDUSTRIAL GROUP													
Contract No:		Project	Package	Issuer	Facility	Dicipline	Doc.	Sequence	Rev				
Contract No: 053-073-9184		BK	GCS	HY	120	IN	LI	0004	V01				
Item No.	Tag Number	Description	Service 1	P&ID NUMBER		set point	Alarm Action		Shut Down Action		Range	Eng. Units	Remark
							L	H	LL	HH			
1	PDT-2122C	DIFF PRESSURE TRANSMITTER	STRAINER FILTER SUCTION COMP	BK-GCS-HY-120-PR-PI-0001 1C	0.1 / 0.2	—	—	0/2	—	—	0-0.4	BARG	
2	PT-2123C	PRESSURE TRANSMITTER	1st SUCTION COMP	BK-GCS-HY-120-PR-PI-0001 1C	4.9 / 24.5	—	4	6	—	—	0-25	BARG	
3	TT-2191C	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1C	37/180	—	—	140	—	—	0-200	°C	
4	TS-2191C	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1C	37/180	150	—	—	—	150	0-200	°C	
5	PT-2124C	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 1ST STAGE	BK-GCS-HY-120-PR-PI-0001 1C	18 / 24.5	—	—	19	—	—	0-25	BARG	
6	PDT-2132C	DIFF PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	0.1 / 0.2	—	—	0/2	—	—	0-0.4	BARG	
7	PT-2132C	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	17.1 / 24.5	—	14/7	—	—	—	0-25	BARG	
8	TT-2194C	TEMPERATURE TRANSMITTER	ON DISCHARGE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	148/180	—	—	160	—	—	0-200	°C	
9	TS-2194C	TEMPERATURE SWITCH	ON DISCHARGE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	37/180	170	—	—	—	170	0-200	°C	
10	PT-2133C	PRESSURE TRANSMITTER	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	54.9 / 62	—	—	56	—	—	10-100	BARG	
11	PS-2133C	PRESSURE SWITCH	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	54.9/62	57	—	—	—	57	10-100	BARG	
12	PT-2200C	PRESSURE TRANSMITTER	ON LUBRICATOR	BK-GCS-HY-120-PR-PI-0001 3C	4/10	—	4	—	—	—	0-10	BARG	
13	LT-2200C	LEVEL TRANSMITTER	ON CRANK CASE	BK-GCS-HY-120-PR-PI-0001 3C	0/425	—	32/25	—	—	—	0-425	mmH2O	start permission :37.5
14	TT-2203C	TEMPERATURE TRANSMITTER	ON CRANK CASE	BK-GCS-HY-120-PR-PI-0001 3C	70/85	—	15	35	—	—	0-120	°C	Stop/Start Heater Crank Case
15	PT-2204C	PRESSURE TRANSMITTER	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3C	6/10	—	1/5	5	—	—	0-10	BARG	start permission :5
16	PS-2204C	PRESSURE SWITCH	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3C	5/10	1/2	—	—	1/2	—	0-10	BARG	
17	TT-2204C	TEMPERATURE TRANSMITTER	ON LUBE OIL HEADER	BK-GCS-HY-120-PR-PI-0001 3C	60/85	—	5	65	—	—	0-120	°C	start permission :36
18	PDT-2204C	DIFF PRESSURE TRANSMITTER	LUBE OIL FILTER	BK-GCS-HY-120-PR-PI-0001 3C	0.1 / 0.5	—	—	0/7	—	—	0-1	BARG	
19	PT-2210C	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	2.2 / 5	—	1/2	—	—	—	0-6	BARG	start permission :2.2
20	PT-2211C	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	1 / 5	—	0/2	—	—	—	0-6	BARG	start permission :2
21	PT-2212C	PRESSURE TRANSMITTER	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	1 / 5	—	—	4	HAVAYAR	—	0-6	BARG	
22	LT-2213C	LEVEL TRANSMITTER	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5C	0-1350	—	500	—	250	—	0-1350	mmH2O	LL: Main & Aux water pumps stop
23	TT-2213C	TEMPERATURE TRANSMITTER	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5C	65/85	—	60	63	HAVAYAR	—	0-120	°C	Stop/Start Heater Water Reservoir
24	PS-2220C	PRESSURE SWITCH	WATER RESERVOIR	BK-GCS-HY-120-PR-PI-0001 5C	3/10	2	—	—	2	—	0-10	BARG	
25	PT-2220C	PRESSURE TRANSMITTER	WATER TO CYLINDERS	BK-GCS-HY-120-PR-PI-0001 5C	3/10	—	2/5	3	—	—	0-10	BARG	Stop/Start Aux Water Pump start permission :3
26	TT-2221C	TEMPERATURE TRANSMITTER	WATER TO CYLINDERS	BK-GCS-HY-120-PR-PI-0001 5C	58/85	—	—	66	—	70	0-120	°C	start permission :60
		VIBRATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7C	0/25.4	—	—	8	—	12	25/4	mm/SEC, RMS	
28	VT-2201C	VIBRATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7C	0/25.4	—	—	8	—	12	25/4	mm/SEC, RMS	
29	VT-2202C	VIBRATION TRANSMITTER	FRAME VIBRATION	BK-GCS-HY-120-PR-PI-0001 7C	0/25.4	—	—	8	—	12	25/4	mm/SEC, RMS	
30	ZT-2200C	ROD DROP TRANSMITTER	LEFT Cylinder Rod Drop Detector	BK-GCS-HY-120-PR-PI-0001 7C	0/4	—	—	0/6	—	—	4	mm	
31	ZT-2201C	ROD DROP TRANSMITTER	Right Cylinder Rod Drop Detector	BK-GCS-HY-120-PR-PI-0001 7C	0/4	—	—	0/69	—	—	4	mm	
32	TT-2214C	TEMPERATURE TRANSMITTER	MOTOR NDE BEARING	BK-GCS-HY-120-PR-PI-0001 7C	0/95	—	—	90	—	95	0-200	°C	
33	TT-2215C	TEMPERATURE TRANSMITTER	MOTOR DE BEARING	BK-GCS-HY-120-PR-PI-0001 7C	0/95	—	—	90	—	95	0-200	°C	
34	TT-2216C	TEMPERATURE TRANSMITTER	COMP DE BEARING	BK-GCS-HY-120-PR-PI-0001 7C	0/105	—	—	95	-	105	0-200	°C	
35	TT-2217C	TEMPERATURE TRANSMITTER	Right Cylinder PACKING	BK-GCS-HY-120-PR-PI-0001 7C	0/130	—	—	120	-	130	0-200	°C	
36	TT-2218C	TEMPERATURE TRANSMITTER	COMP NDE BEARING	BK-GCS-HY-120-PR-PI-0001 7C	0/105	—	—	95	-	105	0-200	°C	
37	TT-2219C	TEMPERATURE TRANSMITTER	LEFT Cylinder PACKING	BK-GCS-HY-120-PR-PI-0001 7C	0/130	—	—	120	-	130	0-200	°C	
38	TT-2220C	TEMPERATURE TRANSMITTER	COMP MID BEARING	BK-GCS-HY-120-PR-PI-0001 7C	0/105	—	—	95	-	105	0-200	°C	
39	TE-2222C	TEMPERATURE ELEMET	MOTOR WINDING R	BK-GCS-HY-120-PR-PI-0001 7C	0/145	—	—	135	-	145	0-200	°C	
40	TE-2225C	TEMPERATURE ELEMET	MOTOR WINDING S	BK-GCS-HY-120-PR-PI-0001 7C	0/145	—	—	135	-	145	0-200	°C	
41	TE-2228C	TEMPERATURE ELEMET	MOTOR WINDING T	BK-GCS-HY-120-PR-PI-0001 7C	0/145	—	—	135	-	145	0-200	°C	
42	XT-2200C	Rotation Speed	Rotation Speed	BK-GCS-HY-120-PR-PI-0001 7C	0/500	—	—	430	-	-	0-500	RPM	
43	PCV-2120C	PRESSURE REGULATOR	INSTRUMENT AIR	BK-GCS-HY-120-PR-PI-0001 3C	6 / 12.5	6	—	—	—	—	—	BARG	
44	PCV-2205C	PRESSURE REGULATOR	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	2.2 / 5	0/5	—	—	—	—	—	BARG	
45	PCV-2206C	PRESSURE REGULATOR	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	2.2 / 5	2	—	—	—	—	—	BARG	
46	PCV-2201C	PRESSURE REGULATOR	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5C	6/10	6	—	—	—	—	—	BARG	
47	PSV-2132C	SAFETY VALVE	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	54.9 / 62	62	—	—	—	—	—	BARG	
48	PSV-2133C	SAFETY VALVE	ON DISCHARGE LINE SNUBBER 2ND STAGE	BK-GCS-HY-120-PR-PI-0001 1C	54.9 / 62	62	—	—	—	—	—	BARG	
49	RV-2200C	RELIFE VALVE	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5C	6/10	7	—	—	—	—	—	BARG	
50	RV-2201C	RELIFE VALVE	ON LUBE OIL	BK-GCS-HY-120-PR-PI-0001 5C	6/10	7	—	—	—	—	—	BARG	
51	PSV-2203C	SAFETY VALVE	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	1 / 5	2/8	—	—	—	—	—	BARG	
52	PSV-2204C	SAFETY VALVE	N2 TO CYLINDER PACKING INLET	BK-GCS-HY-120-PR-PI-0001 4C	1 / 5	2/8	—	—	—	—	—	BARG	