

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	PROCESS DATA SHEETS FOR GLYCOL TRANSFER PUMPS								
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 1 از 3
053 - 073 - 9184	BK	GCS	PEDCO	120	PR	DT	0021	D04	

طرح نگهداشت و افزایش تولید 27 مخزن

PROCESS DATA SHEETS FOR GLYCOL TRANSFER PUMPS

نگهداشت و افزایش تولید میدان نفتی بینک

D04	AUG.2023	AFC	M.Aryafar	M.Fakharian	A.M.Mohseni	
D03	OCT.2022	AFC	M.Aryafar	M.Fakharian	M.Mehrshad	
D02	AUG.2022	IFA	M.Aryafar	M.Fakharian	M.Mehrshad	
D01	FEB.2022	IFC	M.Aryafar	M.Fakharian	M.Mehrshad	
D00	NOV.2021	IFC	M.Aryafar	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
Class: 1		CLIENT Doc. Number: F0Z-708765				
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



PROCESS DATA SHEETS FOR GLYCOL TRANSFER PUMPS

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 2 از 3
053 - 073 - 9184	BK	GCS	PEDCO	120	PR	DT	0021	D04	

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X	X			65					
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تکده‌داشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



PROCESS DATA SHEETS FOR GLYCOL TRANSFER PUMPS

شماره پیمان:

053 - 073 - 9184

پروژه

بسته کاری

صادر کننده

تسهیلات

رشته

نوع مدرک

سریال

نسخه

شماره صفحه: 3 از 3

BK

GCS

PEDCO

120

PR

DT

0021

D04

1	Note	Rev
2	GENERAL DATA	
3	Type	
4	☒ Centrifugal ☐ Positive displacement	
5	☒ Centrifugal ☐ Horizontal ☐ Vertical	
6	☐ Positive displacement ☐ Reciprocating ☐ Rotary ☐ Metering	
7	Item	P-2103 A/B
8	Service	Glycol Transfer Pump
9	Operation	☐ Continuous ☒ Discontinuous ☐ Parallel ☒ Single
10	Type of Driver	Electrical Motor
11	CHARACTERISTICS OF HANDLED LIQUID	
12	Type of Handled Liquid	TEG
13	Pumping Temp.e (Min./Max.)	°C 5 / 50
14	Density at Min. / Norm / Max. Temp.	kg/m³ / 1115 /
15	Viscosity At Min. Temp.	cP 85.86
16	Vapour Pressure at Max. Pumping Temp.	bara 0
17	Freezing Point / Pour Point	°C -4.3
18	Dissolved Gas	Yes-No No
19	Corrosive / Erosive / Hazardous Agents / Flammable	Yes-No No / No / Yes / No
20	Suspended solids (Type / Dimen. / Vol.%)	mm N/A / N/A / N/A
21	OPERATING CONDITIONS	
22	Suction Pressure (Min/ Max.)	bara 0.07 / 0.49
23	Discharge Pressure at Rated Capacity	bara 2.07
24	Differential Pressure at Rated Capacity	bar 2.00
25	Capacity (Min. / Normal / Rated)	m³/hr / 5 / 5.5
26	Head at Rated Capacity	m 18.3
27	NPSH Available	m 9.9
28	Max Allowable Pressure at Shut-Off	bara 3.10
29	Hydraulic Power	kW 0.3
30	Reacceleration	Yes-No No
31	Automatic Start-Up	Yes-No No
32	Start-Up with Delivery Valve	☒ Open ☐ Close
33	Flow Controlled By	☐ Pressure Controller ☐ Level Controller ☐ Flow Controller ☒ Other
34	DESIGN CONDITIONS	
35	Design Temperature: Min / Max	°C 5 / 85
36	Design Pressure	bara 3.10
37	MECHANICAL DATA	
38	Contamination of Liquid Handled Allowed	Yes-No Yes
39	Air Entrainment Allowed	Yes-No Yes
40	Leaks Allowed	Yes-No Yes
41	Antifreezing Protection	Yes-No No
42	Suction Line: Diameter	in 2"
43	Discharge Line: Diameter	in 2"
44	Mat. in Contact with Liq. Handled (Min.)	API 610, Cl. S-8 Note2
45	Note	
46	1	Deleted
47	2	(Vendor to confirm)
48	3	Deleted
49	4	API Plan 11 shall be considered. (Vendor to confirm)
50	5	Margin between NPSHA and NPSHR shall not be less than 1 m.
51	6	Refer to hazardous area classification layout, all instrumentation and electrical devices shall be suitable for: ZONE 2 & Gas group IIA, Temperature class T4
52	7	For P&ID refer to BK-GCS-PEDCO-120-PR-PI-0014
53	8	Minimum Design Metal Tem (MDMT)= 5
54	9	Applicable standard: ISO 5199 and IPS-M-PM-115

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