

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 
	PROCESS DATA SHEETS FOR GLYCOL DRAIN PUMP							
شماره پیمان: 053 - 073 - 9184	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
	BK	GCS	PEDCO	120	PR	DT	0028	D02
								شماره صفحه: 1 از 3

طرح نگهداشت و افزایش تولید 27 مخزن

PROCESS DATA SHEETS FOR GLYCOL DRAIN PUMP

نگهداشت و افزایش تولید میدان نفتی بینک

D02	AUG.2022	IFA	M.Aryafar	M.Fakharian	M.Mehrshad	
D01	FEB.2022	IFA	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: 2

CLIENT Doc. Number:

F0Z-708772

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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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



PROCESS DATA SHEETS FOR GLYCOL DRAIN PUMP

شماره پیمان:

053 - 073 - 9184

پروژه

BK

بسته کاری

GCS

صادرکننده

PEDCO

تسهیلات

120

رشته

PR

نوع مدرک

DT

سریال

0028

نسخه

D02

شماره صفحه: 2 از 3

REVISION RECORD SHEET

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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



PROCESS DATA SHEETS FOR GLYCOL DRAIN PUMP

شماره پیمان:

053 - 073 - 9184

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120

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سریال

0028

نسخه

D02

شماره صفحه: 3 از 3

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-2104	No. of Main/Stand By Units	1 / 0
8	Service Glycol Drain Pump	Installation (Indoor-Outdoor-Other)	Outdoor
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. / Normal / Max.)	°C	5 / 50
14	Density at Min. / Norm / Max. Temp.	kg/m³	/ 1115 /
15	Viscosity At Min. / Max. Temp.	cP	85.86 / 25.06
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.)	barg	0.11 / 0.20
23	Discharge Pressure at Rated Capacity	barg	2.1
24	Differential Pressure at Rated Capacity	bar	2.00
25	Capacity (Min. / Normal / Rated)	m³/hr	/ 3 / 3.3 Note 1
26	Head at Rated Capacity	m	18.3
27	NPSH Available	m	10.4
28	Max Allowable Pressure at Shut-Off	barg	2.60
29	Hydraulic Power	kW	0.18
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	barg	2.60
37	MECHANICAL DATA		
38	Contamination of Liquid Handled Allowed	Yes-No	No
39	Air Entrainment Allowed	Yes-No	No
40	Leaks Allowed	Yes-No	Yes
41	Antifreezing Protection	Yes-No	No
42	Suction Line: Diameter		-
43	Discharge Line: Diameter		2"
44	Mat. in Contact with Liq. Handled (Min.)		(API 610, Cl. S-8) Note 3

Note

1	Design (rated) flow rates is 110 % of normal flow rate.
2	Deleted
3	(Vendor to confirm)
4	API Plan 11 shall be considered. (Vendor to confirm)
5	Deleted
6	Refer to hazardous area classification layout, all instrumentation and electrical devices shall be suitable for: ZONE 1 & Gas group IIB, Temperature class T4
7	For P&ID refer to BK-GCS-PEDCO-120-PR-PI-0025
8	Minimum Design Metal Tem (MDMT)=5

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