

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	PROCESS DATA SHEETS OF DIESEL PUMP								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تسهیلات 120	رشته PR	نوع مدرک DT	سریال 0029	نسخه D03	شماره صفحه: 1 از 3

طرح نگهداشت و افزایش تولید 27 مخزن

PROCESS DATA SHEETS OF DIESEL PUMP

نگهداشت و افزایش تولید میدان نفتی بینک

D03	OCT.2022	IFA	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	JAN.2022	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-708773
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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 OF DIESEL PUMP

شماره پیمان:

053 - 073 - 9184

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
D03	0029	DT	PR	120	PEDCO	GCS	BK

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 OF DIESEL PUMP

شماره پیمان:

053 - 073 - 9184

پروژه

BK

بسته کاری

GCS

صادر کننده

PEDCO

تهیهات

120

رشته

PR

نوع مدرک

DT

سریال

0029

نسخه

D03

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-2206 No. of Main/Stand By Units 1 / 0		D03
8	Service Diesel 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 Diesel Fuel Oil		
13	Pumping Temp.e (Min. / Max.) °C 5 / 50		
14	Density at Min. / Norm / Max. Temp. kg/m³ / 850 /		
15	Viscosity At Min. / Normal / Max. Temp. cP / 4.8 /		
16	Vapour Pressure at Max. Pumping Temp. bara Negligible		
17	Freezing Point / Pour Point °C		
18	Dissolved Gas Yes-No No		
19	Corrosive / Erosive / Hazardous Agents / Flammable No / No / No / Yes		
20	Suspended solids (Type / Dimen. / Vol.%) mm / /		
21	OPERATING CONDITIONS		
22	Suction Pressure (Min/ Max.) barg 0 / 0.11		
23	Discharge Pressure at Rated Capacity barg 0.95		
24	Differential Pressure at Rated Capacity bar 2		D03
25	Capacity (Min. / Normal / Rated) m³/hr / 5 / 5.5+MinFlow Note 1 , 2		
26	Head at Rated Capacity m 24		D03
27	NPSH Available m 10		
28	Max Allowable Pressure at Shut-Off barg 2.1		
29	Hydraulic Power kW 0.3		D03
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 2.1		
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 in 2"		
43	Discharge Line: Diameter in 2"		
44	Mat. in Contact with Liq. Handled (Min.) (API 610 Cl. S-1) Note 5		
45	Note		
46	1	Design (rated) flow rates is 110 % of normal flow rate.	
47	2	Due to continous minimum flow line by orifice, Pump rated flow = Rated process flow (5.5 m3/hr) + Pump min flow.	
48	3	Deleted	
49	4	API Plan 11 shall be considered. (Vendor to confirm)	
50	5	(Vendor to confirm)	
51	7	Margin between NPSHA and NPSHR shall not be less than 1 m.	
52	8	Applicable standards are: ISO 5199, IPS-M-PM-115	
53	9	Refer to hazardous area classification layout, all instrumentation and electrical devices shall be suitable for: safe area	
54	10	Deleted	D02
55	11	For P&ID refer to BK-GCS-PEDCO-120-PR-PI-0023	
56	12	Minimum Design Metal Tep (MDMT) = 5	

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