

 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 D02	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

D02	JUL.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
D02	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

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-2206 A/B	No. of Main/Stand By Units 1 / 0	D02
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 Yes-No	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	1	
25	Capacity (Min. / Normal / Rated) m³/hr	/ 5 / 5.5+MinFlow Note 1 , 2	
26	Head at Rated Capacity m	12	
27	NPSH Available m	10	
28	Max Allowable Pressure at Shut-Off barg	2.1	
29	Hydraulic Power kW	0.2	
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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