



NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



PROCESS DATA SHEETS FOR POTABLE WATER PUMP

شماره پیمان:

053 - 073 - 9184

پروژه

BK

بسته کاری

GCS

صادر کننده

PEDCO

تسهیلات

120

رشته

PR

نوع مدرک

DT

سریال

0026

نسخه

D03

شماره صفحه: 1 از 3

طرح نگهداشت و افزایش تولید 27 مخزن

PROCESS DATA SHEETS FOR POTABLE WATER PUMP

نگهداشت و افزایش تولید میدان نفتی بینک

D03	OCT.2022	AFC	M.Aryafar	M.Fakharian	M.Mehrshad	
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-708770

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 POTABLE WATER PUMP								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تسهیلات 120	رشته PR	نوع مدرک DT	سریال 0026	نسخه D03	شماره صفحه: 2 از 3

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
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2	X	X				66					
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سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



PROCESS DATA SHEETS FOR POTABLE WATER PUMP

شماره پیمان:

053 - 073 - 9184

پروژه

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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-2209	No. of Main/Stand By Units	1 / 0								
8	Service	Potable Water 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	Potable Water										
13	Pumping Temp.e (Min. / Max.)	°C	5 / 50									
14	Density at Min. / Norm / Max. Temp.	kg/m³	/ 1024 /									
15	Viscosity At Min. / Normal / Max. Temp.	cP	/ 1.6 /									
16	Vapour Pressure at Max. Pumping Temp.	bara	0.1									
17	Freezing Point / Pour Point	°C										
18	Dissolved Gas	Yes-No										
19	Corrosive / Erosive / Hazardous Agents / Flammable	Yes-No	No / No / No / NO									
20	Suspended solids (Type / Dimen. / Vol.%)	mm	/ /									
21	OPERATING CONDITIONS											
22	Suction Pressure (Min/ Max.)	barg	-0.05 / 0.15									
23	Discharge Pressure at Rated Capacity	barg	1.95									
24	Differential Pressure at Rated Capacity	bar	2.00									
25	Capacity (Min. / Normal / Rated)	m³/hr	/ 5 / 5.5 Note 1									
26	Head at Rated Capacity	m	19.9									
27	NPSH Available	m	8.7 Note 7									
28	Max Allowable Pressure at Shut-Off	barg	2.60									
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	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 Note 6									
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. 1-2 Note5									
45	Note											
46	1	Design (rated) flow rates is 110 % of normal flow rate.										
47	2	Deleted										
48	3	Deleted										
49	4	API Plan 11 shall be considered.										
50	5	(Vendor to confirm)										
51	6	Applicable :ISO 5199, IPS-M-PM-115.										
52	7	Margin between NPSHA and NPSHR shall not be less than 1 m.										
53	8	Refer to hazardous area classification layout, all instrumentation and electrical devices shall be suitable for: safe area										
54	9	For P&ID refer to BK-GCS-PEDCO-120-PR-PI-0024										
55	10	Minimum Design Metal Tem (MDMT) = 5										

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