



NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

BK

بسته کاری

GCS

صادرکننده

PEDCO

تجهیزات

120

رشته

IN

نوع مدرک

DT

سریال

0001

نسخه

D01

شماره صفحه: ۱ از ۱۰

طرح نگهداشت و افزایش تولید ۲۷ مخزن

DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE

نگهداشت و افزایش تولید میدان نفتی بینک

D01	JUL.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	MAR.2022	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	Client Approval

Class: 2

Client Doc. Number: F9Z-708922

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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DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
D01	0001	DT	IN	120	PEDCO	GCS	BK

شماره صفحه: ۲ از ۱۰

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X				65					
2	X	X				66					
3	X	X				67					
4	X	X				68					
5	X	X				69					
6	X	X				70					
7	X	X				71					
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سطح الارض

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DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

BK

بسته کاری

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PEDCO

تسهیلات

120

رشته

IN

نوع مدرک

DT

سریال

0001

نسخه

D01

شماره صفحه: ۳ از ۱۰

REFERENCE DOCUMENTS :

Specification For Instrumentation

Process Basis Of Design

Piping Material Specification

Hazardous Area Classification Layout

Instrument & Control System Design Criteria



BK-GNRAL-PEDCO-000-IN-SP-0001

BK-GNRAL-PEDCO-000-PR-DB-0001

BK-GCS-PEDCO-120-PI-SP-0001

BK-GCS-PEDCO-120-SA-PY-0002

BK-GCS-PEDCO-120-IN-DC-0002

Symbol & Legend For PFD and P&ID

P&ID - Gas Compression Inlet Gas Pipeline (Binak)

P&ID - Gas Compression Inlet Gas Pipeline (Golghari)

P&ID - Slug Catcher System

P&ID - Gas Compression Inlet Knock Out Drum

P&ID - 1st Stage Gas Compression Suction Drums

P&ID - 1st Stage Gas Compression Compressors

P&ID - 1st Stage Gas Compression Air Coolers

P&ID - 2nd Stage Gas Compression Suction Drums

P&ID - 2nd Stage Gas Compression Compressors

P&ID - 2nd Stage Gas Compression Air Coolers

P&ID - 2nd Stage Gas Compression Discharge Drum

P&ID - Gas Compression Dehydration Package

P&ID - Lean Glycol Storage Tank

P&ID - Instrument & Plant Air System

P&ID - Nitrogen Generation System

P&ID - Close Drain System

P&ID - Corrosion Inhibitor Package

P&ID - Methanol Injection Package

P&ID - LP Flare System

P&ID - Oily Water Sewer

P&ID - Fuel Gas System

P&ID - Diesel Oil System

P&ID - Potable Water System

P&ID - Glycol Sump Drum

P&ID - Fire Water Network

P&ID - Total Flooding System For Extension of Existing Elect. Building

BK-GCS-PEDCO-120-PR-PI-0001

BK-GCS-PEDCO-120-PR-PI-0002

BK-GCS-PEDCO-120-PR-PI-0003

BK-GCS-PEDCO-120-PR-PI-0004

BK-GCS-PEDCO-120-PR-PI-0005

BK-GCS-PEDCO-120-PR-PI-0006

BK-GCS-PEDCO-120-PR-PI-0007

BK-GCS-PEDCO-120-PR-PI-0008

BK-GCS-PEDCO-120-PR-PI-0009

BK-GCS-PEDCO-120-PR-PI-0010

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BK-GCS-PEDCO-120-PR-PI-0013

BK-GCS-PEDCO-120-PR-PI-0014

BK-GCS-PEDCO-120-PR-PI-0015

BK-GCS-PEDCO-120-PR-PI-0016

BK-GCS-PEDCO-120-PR-PI-0017

BK-GCS-PEDCO-120-PR-PI-0018

BK-GCS-PEDCO-120-PR-PI-0019

BK-GCS-PEDCO-120-PR-PI-0020

BK-GCS-PEDCO-120-PR-PI-0021

BK-GCS-PEDCO-120-PR-PI-0022

BK-GCS-PEDCO-120-PR-PI-0023

BK-GCS-PEDCO-120-PR-PI-0024

BK-GCS-PEDCO-120-PR-PI-0025

BK-GCS-PEDCO-120-SA-PI-0001

BK-GCS-PEDCO-120-SA-PI-0002



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نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۴ از ۱۰
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	IN	DT	0001	D01	

GENERAL NOTES:



- Pressure elements shall be capable of withstanding intermittent over-ranging to 1.3 times the maximum scale reading.
- Ranges shall be selected suitable to have the operating pressure in the middle third of the scale.
- Vendor is responsible for applying suitable accessories to prevent damage and to reach required accuracy for PG.
- Vendor to follow materials indicated in the Data Sheets, related wetted parts, these materials can be as minimum and shall be verified by vendor.
- Gauges shall be supplied with syphon on steam services which operating temperatures are more than 100°C.
- Tag plate as per Specification for Instrumentation, shall be stainless steel 304 SS (VTC). Following details shall be engraved on them:
 - Tag Number
 - Range limit
 - Service
 - Manufacturer model and serial number
- Weep hole shall be provided on the case bottom of all gauges.
- Material Test Certificate and Calibration Certificate for all gauges to be submitted by vendor.
- Each pressure gauge which doesn't have Diaphragm Seal, shall be supplied with a Two way (valve) manifold (block & bleed manifold) by vendor (Process Conn. 1/2"NPTF, 316 S.S.).
- Environmental Condition For Field Instrumentation Of BINAK Complex Shall Be Considered As Per The Following (According to "BK-GNRL-PEDCO-000-PR-DB-0001: Process Basis Of Design":

Maximum ambient temperature: 50 (°C)
Minimum ambient temperature: 5 (°C)
Maximum steel surface exposed to sun: 85 (°C)
Maximum summer dry bulb: 50 (°C)
DB/RH for Summer HVAC Design: 41 °C / 61 % (Note */ Note**
DB FOR Winter HVAC Design: 6 °C

Relative Humidity:

- Maximum Design relative humidity (%): 100
- Minimum Design relative humidity (%): 0

- Will be finalized as per Safety Department information.

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴		پروژه: BK	بسته کاری: GCS	صادر کننده: PEDCO	تسهیلات: 120	رشته: IN	نوع مدرک: DT	سریال: 0001	نسخه: D01
شماره صفحه: ۵ از ۱۰									

D01 PRESSURE GAUGE										
GENERAL	1	Tag No.	P&ID No.	SEE PAGE 6			SEE PAGE 6			
	2	Service	Piping Class	SEE PAGE 6			SEE PAGE 6			
	3	Area Clacification	Zone 2, IIB T4							
PROCESS CONDITION	4	Fluid	Phase	SEE PAGE 6			SEE PAGE 6			
	5	Operating. Pressure	Design. Pressure	SEE PAGE 6			SEE PAGE 6 (barg)			
	6	Operating. Temperature	Design. Temperature	SEE PAGE 6			SEE PAGE 6 (°C)			
	7	Min. Design Metal Temperature		SEE PAGE 6			(°C)			
GAUGE	8	Range			SEE PAGE 6					
	9	Type			Pressure Gauge-Direct Reading					
	10	Instrument Range			SEE PAGE 6					
	11	Liquid Filled			Silicon Oil - SEE PAGE 6~9 (Note 5)					
	12	Mounting			Direct					
	13	Dial Size	Dial Color	Zero Adjustment	150 mm		White with black lettering		Adjustable pointer	
	14	Case Material	Ring Material		304 SS (Note 2 & 9)		304 SS			
	15	Blow-Out Protection			Required-Back					
	16	Windows Material	Dial Material		Shatter proof glass		Aluminum			
	17	Pressure Element Type			SEE PAGE 6					
	18	Pressure Element Material	Stem Material		SEE PAGE 6		316 SS			
	19	Connection Material			316 S.S					
	20	Connection Size			1/2 " NPT					
	21	Connection Location			Bottom					
	22	Movement Material			316 S.S					
	23	Nominal Accuracy			0.5% F.S					
24	Ingress Protection			IP-65 as minimum						
DIAPHRAGM SEAL	25	Type			N/A					
	26	Size (In)			N/A					
	27	Diaphragm Material			N/A					
	28	Fill Fluid			N/A					
	29	Capillary Length			N/A					
	30	Capillary Material			N/A					
OPTIONS	31									
	32	Movement Damping			SEE PAGE 6					
	33	Overrange Protection			SEE PAGE 6 (1.3 of F.S) (Note 7)					
	34	Siphon	Material		SEE PAGE 6		316 S.S			
	35	Manifold	Body Material		2 Way Manifold		316 S.S			
	36	Process Connection	Rating		SEE PAGE 6 (Note 6)		SEE PAGE 6			
	37	Manifold Model	Manifold Manufacturer		VTA		VTA			
	38	NACE Requirements			SEE PAGE 6 (Note 1)					
PURCHASING DATA	39									
	40									
	41	Model No.	Manufacturer		(Note 8)		(Note 8)			
	42	Supplier	Order		(Note 8)		(Note 8)			
	43									
	44									

NOTES : VTA : Vendor to Advise

- (1) NACE-MR-0175/ISO 15156 requirements shall be covered where Piping/Pipeline Material Specification recommended.
- (2) Window shall be heavy plate glass, breakage resistance and shatter proof.
- (3) Pressure gauges shall be double scale type (Bar and Psi).
- (4) All gauges shall be equipped with screw driver slot type adjustment for calibration purposes.
- (5) Oil-filled system or Pulsation dampeners shall be supplied for all pressure instruments and gauges in vibrating or pulsating services.
- (6) 1/2"NPT for Instrument/Process connection and 1/4" NPT for Drain Connection-All Manifolds, Pulsation Dampers and Siphons shall be suitable for connecting to gauges (1/2" NPT). And the material shall be 316 SS.
- (7) Over range protection shall be 1.3 times the maximum range.
- (8) Will be finalized later at the purchasing time.
- (9) Cases for pressure gauges shall be solid front stainless steel.
- (10) Weep hole shall be provided on the case bottom of all gauges.

 NISOC	تجهیزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک											
	DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE											
	نوع و مشخصات	رابطه	نوع مدرک	رشته	تجهیزات	محافظه کننده	بسته کاری	یونیت	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات
001	001	DT	IN	120	PEDCO	GCS	بدنه گالوانی	BK	001	001	DT	001

شماره مسلسل: ۶ / ۱۰

PRESSURE GAUGE																									
Rev.	Item No.	Tag No.	P&IDs No.	Service.	LINE/ EQUIPME NT	Piping Class	Connection Rating	Process Connection	Fluid	Phase	Operating Pressure (bar(a))	Design Pressure (bar(g))	Operating Temperature (°C)	Design Temperature (°C)	Instrument Range (bar(g))	Liquid Filled	Press. Element Type	Press. Element Material	Movement Damper (Staubler)	Over-Range Protection	Siphon	Diaphragm Seal	Nace	Model	Remark
D01 Modified	1	PG-2101	BK-GCS-PEDCO-120-PR-P-0002	EXISTING GAS PIG RECEIVER	GAS-111-0001-AN07-6"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	7.5	9	46.11/26.67	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	2	PG-2102	BK-GCS-PEDCO-120-PR-P-0002	EXISTING GAS PIG RECEIVER	GAS-111-0001-AN07-6"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	7.5	9	46.11/26.67	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	3	PG-2103	BK-GCS-PEDCO-120-PR-P-0003	GAS PIG RECEIVER	GAS-111-0008-AN07-8"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	7.5	9	15.5-32	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	4	PG-2104	BK-GCS-PEDCO-120-PR-P-0003	GAS PIG RECEIVER	GAS-111-0008-AN07-8"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	7.5	9	15.5-32	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	5	PG-2111	BK-GCS-PEDCO-120-PR-P-0004 (1 of 2)	SLUG CATCHER DRUM	V-2104	(AN07)	6000#	1/2" NPT	HYDROCARBON/ WATER	GAS	5.5	9	15.5-32	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Deleted	PG-2112	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	SLUG-CATCHER-TANK	FL-112-0007-AN07-2"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	0.5	0.5	15-32	85	0-1	Yes	Bourdon	SS-316L	No	No	No	No	Yes	VTA	Note-1	
D01 Deleted	PG-2113	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	DEGASSING DRUM	V-2106	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	5.5	9	15-32	85	0-10	Yes	Bourdon	SS-316L	No	No	No	No	Yes	VTA	Note-1	
D01 Modified	6	PG-2114A	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	SLUG PUMPS	CDH-112-0010-AS00-4"-NP	AS00	2000#	1/2" NPT	WATER	LIQUID	0.5	9	23.22/8.82	85	0-1	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1
D01 Moved to sheet 8		PDG-2113A	BK-GCS-PEDCO-120-PR-P-0004 (3 of 2)	LIQUID	GDH-112-0010-AN05-4"-PT	AN05	2000#	1/2" NPT	WATER	LIQUID	0.5	9	23.22/8.82	85	0-1	Yes	Bourdon	SS-316L	No	Yes	No	No	Yes	VTA	Note-1
D01 Modified	7	PG-2113A	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	SLUG PUMPS	CDH-112-0012-CN05-3"-PT	CN05	3000#	1/2" NPT	WATER	LIQUID	19.5	24.5	AMB	85	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	8	PG-2113B	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	SLUG PUMPS	CDH-112-0013-CN05-4"-PT	CN05	3000#	1/2" NPT	WATER	LIQUID	19.5	24.5	AMB	85	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	9	PG-2114B	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	SLUG PUMPS	CDH-112-0011-AN05-4"-PT	AN05	2000#	1/2" NPT	WATER	LIQUID	0.5	9	23.22/8.82	85	0-1	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1
D01 Moved to sheet 8		PDG-2113B	BK-GCS-PEDCO-120-PR-P-0004 (2 of 2)	LIQUID	GDH-112-0011-AN05-4"-PT	AN05	2000#	1/2" NPT	WATER	LIQUID	0.5	9	23.22/8.82	85	0-1	Yes	Bourdon	SS-316L	No	Yes	No	No	Yes	VTA	Note-1
D01 Modified	10	PG-2114	BK-GCS-PEDCO-120-PR-P-0005	INLET KNOCK OUT DRUM	V-2105	(AN07)	6000#	1/2" NPT	HYDROCARBON/ WATER	GAS	5.3	9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	11	PG-2115	BK-GCS-PEDCO-120-PR-P-0005	GAS	GAS-111-0025-AN07-10"-PT	AN07	6000#	1/2" NPT	HYDROCARBON/ WATER	GAS	5.1	9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	12	PG-2121A	BK-GCS-PEDCO-120-PR-P-0006 (1 of 3)	1ST STAGE GAS COMPRESSION SUCTION DRUM TRAIN #A	V-2101-A	(AN07)	6000#	1/2" NPT	HYDROCARBON	GAS	5.1	FV/9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	13	PG-2121B	BK-GCS-PEDCO-120-PR-P-0006 (2 of 3)	1ST STAGE GAS COMPRESSION SUCTION DRUM TRAIN #B	V-2101-B	(AN07)	6000#	1/2" NPT	HYDROCARBON	GAS	5.1	FV/9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	14	PG-2121C	BK-GCS-PEDCO-120-PR-P-0006 (3 of 3)	1ST STAGE GAS COMPRESSION SUCTION DRUM TRAIN #C	V-2101-C	(AN07)	6000#	1/2" NPT	HYDROCARBON	GAS	5.1	FV/9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	15	PG-2122A	BK-GCS-PEDCO-120-PR-P-0007 (1 of 3)	1ST STAGE GAS COMPRESSOR TRAIN#A	GAS-111-0031A-AN05-8"-ET	AN05	2000#	1/2" NPT	HYDROCARBON	GAS	4.9	FV/9	18-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	16	PG-2123A	BK-GCS-PEDCO-120-PR-P-0007 (1 of 3)	1ST STAGE GAS COMPRESSOR TRAIN#A	GAS-111-0036A-CN05-6"-NP	CN05	3000#	1/2" NPT	3000#	GAS	19	22	113/124	155	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	17	PG-2122B	BK-GCS-PEDCO-120-PR-P-0007 (2 of 3)	1ST STAGE GAS COMPRESSOR TRAIN#B	GAS-111-0031B-AN05-8"-ET	AN05	2000#	1/2" NPT	HYDROCARBON	GAS	4.9	FV/9	18-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	18	PG-2123B	BK-GCS-PEDCO-120-PR-P-0007 (2 of 3)	1ST STAGE GAS COMPRESSOR TRAIN#B	GAS-111-0036B-CN05-6"-NP	CN05	3000#	1/2" NPT	HYDROCARBON	GAS	19	22	113/124	155	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	19	PG-2122C	BK-GCS-PEDCO-120-PR-P-0007 (3 of 3)	1ST STAGE GAS COMPRESSOR TRAIN#C	GAS-111-0031C-AN05-8"-ET	AN05	2000#	1/2" NPT	HYDROCARBON	GAS	4.9	FV/9	18-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	20	PG-2123C	BK-GCS-PEDCO-120-PR-P-0007 (3 of 3)	1ST STAGE GAS COMPRESSOR TRAIN#C	GAS-111-0036C-CN05-6"-NP	CN05	3000#	1/2" NPT	HYDROCARBON	GAS	19	22	113/124	155	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	21	PG-2124A	BK-GCS-PEDCO-120-PR-P-0008 (1 of 3)	1ST STAGE GAS COMPRESSION AIR COOLER TRAIN #A	GAS-111-0037A-CS00-6"-NP	CS00	2000#	1/2" NPT	HYDROCARBON	GAS/LIQUID	18.3	22	60	155	0-40	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1
D01 Modified	22	PG-2124B	BK-GCS-PEDCO-120-PR-P-0008 (2 of 3)	1ST STAGE GAS COMPRESSION AIR COOLER TRAIN #B	GAS-111-0037B-CS00-6"-NP	CS00	2000#	1/2" NPT	HYDROCARBON	GAS/LIQUID	18.3	22	60	155	0-40	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1
D01 Modified	23	PG-2124C	BK-GCS-PEDCO-120-PR-P-0008 (3 of 3)	1ST STAGE GAS COMPRESSION AIR COOLER TRAIN #C	GAS-111-0037C-CS00-6"-NP	CS00	2000#	1/2" NPT	HYDROCARBON	GAS/LIQUID	18.3	22	60	155	0-40	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1

 NISOC	تجهیزات و افزایش تولید میدان نفتی بینک سطح الارض											
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک											
	DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE											
نوع و مشخصات	رابطه	نوع مدرک	رشته	تجهیزات	مکانگر کننده	بسته کاری	یونیت	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات
D01	D01	0001	IN	120	PEDCO	GCS	BK	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات	نوع و مشخصات

PRESSURE GAUGE																										
Rev.	Item No.	Tag No.	P&IDs No.	Service.	LINE/ EQUIP MENT	Piping Class	Connection Rating	Process Connection	Fluid	Phase	Operating Pressure (bara)	Design Pressure (barg)	Operating Temperature (°C)	Design Temperature (°C)	Instrument Range (barg)	Liquid Filled	Press. Element Type	Press. Element Material	Movement Damper (Snubber)	Over Range Protection	Siphon	Diaphragm Seal	Nace	Model	Remark	
D01 Modified	24	PG-2131A	BK-GCS-PEDCO-120-PR-PH-0009 (1 of 3)	2ND STAGE GAS COMPRESSOR CUCTION DRUM TRAIN 1A	V-2102-A	(CS00)	2000#	1/2" NPT	HYDROCARBON	GAS	18.3	FW22	60	115.4	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	25	PG-2131B	BK-GCS-PEDCO-120-PR-PH-0009 (2 of 3)	2ND STAGE GAS COMPRESSOR CUCTION DRUM TRAIN 1B	V-2102-B	(CS00)	2000#	1/2" NPT	HYDROCARBON	GAS	18.3	FW22	60	115.4	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	26	PG-2131C	BK-GCS-PEDCO-120-PR-PH-0009 (3 of 3)	2ND STAGE GAS COMPRESSOR CUCTION DRUM TRAIN 1C	V-2102-C	(CS00)	2000#	1/2" NPT	HYDROCARBON	GAS	18.3	FW22	60	115.4	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	27	PG-2132A	BK-GCS-PEDCO-120-PR-PH-0010 (1 of 3)	2ND STAGE GAS COMPRESSOR TRAIN1A	GAS-111-0044A-CN05-6"-ET	CN05	3000#	1/2" NPT	HYDROCARBON	GAS	18.1	FW22	59-60	115.4	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	28	PG-2133A	BK-GCS-PEDCO-120-PR-PH-0010 (1 of 3)	2ND STAGE GAS COMPRESSOR TRAIN1A	GAS-111-0051A-FN05-6"-IS	FN05	3000#	1/2" NPT	HYDROCARBON	GAS	54.8	62	142-150	175	0-100	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	29	PG-2132B	BK-GCS-PEDCO-120-PR-PH-0010 (2 of 3)	2ND STAGE GAS COMPRESSOR TRAIN1B	GAS-111-0044B-CN05-6"-ET	CN05	3000#	1/2" NPT	HYDROCARBON	GAS	18.1	FW22	59-60	115.4	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	30	PG-2133B	BK-GCS-PEDCO-120-PR-PH-0010 (2 of 3)	2ND STAGE GAS COMPRESSOR TRAIN1B	GAS-111-0051B-FN05-6"-IS	FN05	3000#	1/2" NPT	HYDROCARBON	GAS	54.8	62	142-150	175	0-100	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	31	PG-2132C	BK-GCS-PEDCO-120-PR-PH-0010 (3 of 3)	2ND STAGE GAS COMPRESSOR TRAIN1C	GAS-111-0044C-CN05-6"-ET	CN05	3000#	1/2" NPT	HYDROCARBON	GAS	18.1	FW22	59-60	115.4	0-40	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	32	PG-2133C	BK-GCS-PEDCO-120-PR-PH-0010 (3 of 3)	2ND STAGE GAS COMPRESSOR TRAIN1C	GAS-111-0051C-FN05-6"-IS	FN05	3000#	1/2" NPT	HYDROCARBON	GAS	54.8	62	142-150	175	0-100	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	33	PG-2134A	BK-GCS-PEDCO-120-PR-PH-0011 (1 of 3)	2ND STAGE GAS COMPRESSION AIR COOLER TRAIN1A	GAS-111-0058A-FS00-6"-NP	FS00	3000#	1/2" NPT	HYDROCARBON	GAS/LIQUID	54.1	62	60	175	0-100	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	34	PG-2134B	BK-GCS-PEDCO-120-PR-PH-0011 (2 of 3)	2ND STAGE GAS COMPRESSION AIR COOLER TRAIN1B	GAS-111-0058B-FS00-6"-NP	FS00	3000#	1/2" NPT	HYDROCARBON	GAS/LIQUID	54.1	62	60	175	0-100	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	35	PG-2134C	BK-GCS-PEDCO-120-PR-PH-0011 (3 of 3)	2ND STAGE GAS COMPRESSION AIR COOLER TRAIN1C	GAS-111-0058C-FS00-6"-NP	FS00	3000#	1/2" NPT	HYDROCARBON	GAS/LIQUID	54.1	62	60	175	0-100	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	36	PG-2142	BK-GCS-PEDCO-120-PR-PH-0012	GAS COMPRESSION DISCHARGE DRUM	V-2103	FN05	3000#	1/2" NPT	HYDROCARBON	GAS	53.9	62	59-60	130	0-100	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	37	PG-2141	BK-GCS-PEDCO-120-PR-PH-0012	GAS COMPRESSION DISCHARGE DRUM	V-2103	(FN05)	2000#	1/2" NPT	HYDROCARBON	GAS	53.9	62	59-60	130	0-100	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	38	PG-2162	BK-GCS-PEDCO-120-PR-PH-0014	GLYCOL TRANSFER PUMP	TEG-111-0004-AN04-2"-PT	AN04	2000#	1/2" NPT	LEAN GLYCOL	LIQUID	0.02	0.6	AMB	85	0-0.25	Yes	Diaphragm	SS 316L	No	Yes	No	No	No	No	VTA	Note 1
D01 Modified	39	PG-2163A	BK-GCS-PEDCO-120-PR-PH-0014	GLYCOL TRANSFER PUMP	TEG-111-0002-AN04-2"-PT	AN04	2000#	1/2" NPT	LEAN GLYCOL	LIQUID	2.07	2.9	AMB	85	0-4	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	40	PG-2163B	BK-GCS-PEDCO-120-PR-PH-0014	GLYCOL TRANSFER PUMP	TEG-111-0006-AN04-2"-PT	AN04	2000#	1/2" NPT	LEAN GLYCOL	LIQUID	2.07	2.9	AMB	85	0-4	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	41	PG-2161	BK-GCS-PEDCO-120-PR-PH-0014	LEAN GLYCOL STORAGE TANK	TOP OF THE TK-2102	(AN07)	6000#	1/2" NPT	LEAN GLYCOL	GAS	0.1	FULL OF LIQUID + 150MBARG/7MBARG	AMB	85	0-0.25	Yes	Diaphragm	SS 316L	No	Yes	No	No	No	VTA	Note 1	
D01 Modified	42	PG-2201	BK-GCS-PEDCO-120-PR-PH-0015 (2 of 2)	Instrument Air Receiver	ISA-112-0012-AZ00-2"-NP	AZ00	2000#	1/2" NPT	Air	GAS	8	12.5	65	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	43	PG-2202	BK-GCS-PEDCO-120-PR-PH-0015 (2 of 2)	Instrument Air Receiver	V-2203	(AZ00)	2000#	1/2" NPT	Air	GAS	8	12.5	65	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	44	PG-2211	BK-GCS-PEDCO-120-PR-PH-0016	Nitrogen Receiver	NT-112-0021-AN01-2"-PT	AN01	2000#	1/2" NPT	Nitrogen	GAS	8	12.5	60	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	45	PG-2212	BK-GCS-PEDCO-120-PR-PH-0016	Nitrogen Receiver	V-2204	(AN01)	2000#	1/2" NPT	Nitrogen	GAS	8	12.5	60	85	0-16	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1	
D01 Modified	46	PG-2221	BK-GCS-PEDCO-120-PR-PH-0017 (2 of 2)	closed drain drum	V-2202	(AN07)	6000#	1/2" NPT	HYDROCARBON/ WATER	LIQUID	0.5	7.5	AMB	85	0-1	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1	
D01 Modified	47	PG-2251	BK-GCS-PEDCO-120-PR-PH-0020 (2 of 3)	LP flare K.O.drum	V-2201	(AN07)	6000#	1/2" NPT	HYDROCARBON	GAS	0.5	7.5	AMB	85	0-1	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1	
D01 Modified	48	PG-2251A	BK-GCS-PEDCO-120-PR-PH-0020 (2 of 3)	LP flare K.O.drum pump	CDH-112-0038-AN07-2"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	LIQUID	1.7	7.5	AMB	85	0-4	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1	
D01 Modified	49	PG-2251B	BK-GCS-PEDCO-120-PR-PH-0020 (2 of 3)	LP flare K.O.drum pump	CDH-112-0037-AN07-2"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	LIQUID	1.7	7.5	AMB	85	0-4	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1	
D01 Modified	50	PG-2272	BK-GCS-PEDCO-120-PR-PH-0022	FUEL GAS	FLG-111-0004-AN07-2"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	5.1	9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Modified	51	PG-2273	BK-GCS-PEDCO-120-PR-PH-0022	FUEL GAS	V-2205	(AN07)	6000#	1/2" NPT	HYDROCARBON	GAS	4.9	9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	
D01 Moved to sheet 8		FDG-2271	BK-GCS-PEDCO-120-PR-PH-0022	FUEL GAS	V-2205	-	-	1/2" NPT	HYDROCARBON	GAS	5.4	9	19-37	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1	

 NISOC		 شرکت توسعه و پتروشیمی ایران HIRGAN ENERGY							نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																
		DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE																							
نمودار پیمان ۰۴ - ۰۳ - ۰۱۱۱		برق	بسته کاری	مختار کننده	تجهیزات	رشته	نوع مدرک	مترال	نقطه	شماره مسلسل: A / ۱۰															
		BK	GCS	PEDCO	120	IN	DT	0001	D01																
 PRESSURE GAUGE																									
Rev.	Item No.	Tag No.	P&IDs No.	Service.	LINE/ EQUIPME NT	Piping Class	Connection Rating	Process Connection	Fluid	Phase	Operating Pressure (bascn)	Design Pressure (barg)	Operating Temperature (°C)	Design Temperature (°C)	Instrument Range (barg)	Liquid Filled	Press. Element Type	Press. Element Material	Movement Damper (Staubler)	Over Range Protection	Siphon	Diaphragm Seal	Nace	Model	Remark
D01 Modified	52	PG-2271	BK-GCS-PEDCO-120-PR-PH-0022	FUEL GAS	FLG-112-0010-AN07-2"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	4.9	9	33.6	85	0-10	Yes	Bourdon	SS 316L	No	No	No	No	Yes	VTA	Note 1
D01 Modified	53	PG-2274	BK-GCS-PEDCO-120-PR-PH-0022	FUEL GAS	FL-112-0040-AN07-2"-PT	AN07	6000#	1/2" NPT	HYDROCARBON	GAS	0.5	9	33.6	85	0-1	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1
D01 Modified	54	PG-2281A	BK-GCS-PEDCO-120-PR-PH-0023 (1 of 2)	OIL	V-2206A	(AN01)	2000#	1/2" NPT	HYDROCARBON	LIQUID/OIL	0.95	2.1	AMB	85	0-2	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	55	PG-2282A	BK-GCS-PEDCO-120-PR-PH-0023 (1 of 2)	OIL	DO-112-0012A-AN01-2"-PT	AN01	2000#	1/2" NPT	HYDROCARBON	LIQUID/OIL	0.11	2.1	50	85	0-0.25	Yes	Diaphragm	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Added	56	PG-2281B	BK-GCS-PEDCO-120-PR-PH-0023 (2 of 2)	OIL	V-2206B	(AN01)	2000#	1/2" NPT	HYDROCARBON	LIQUID/OIL	0.95	2.1	AMB	85	0-2	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Added	57	PG-2282B	BK-GCS-PEDCO-120-PR-PH-0023 (2 of 2)	OIL	DO-112-0012B-AN01-2"-PT	AN01	2000#	1/2" NPT	HYDROCARBON	LIQUID/OIL	0.11	2.1	50	85	0-0.25	Yes	Diaphragm	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	58	PG-2291	BK-GCS-PEDCO-120-PR-PH-0024	Potable Water	PTW-112-0003-AZ00-2"-NP	AZ00	2000#	1/2" NPT	Water	Liquid	1.95	2.6	AMB	85	0-4	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1
D01 Modified	59	PG-2292	BK-GCS-PEDCO-120-PR-PH-0024	Potable Water	PTW-112-0001-AZ00-2"-NP	AZ00	2000#	1/2" NPT	Water	Liquid	0.15	2.6	AMB	85	0-0.25	Yes	Diaphragm	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	60	PG-2293	BK-GCS-PEDCO-120-PR-PH-0025	RICH GLYCOL	V-2107	(AN01) (AN04)	2000#	1/2" NPT	RICH GLYCOL	Liquid	2.1	3.5	AMB	85	0-4	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1
D01 Modified	61	PG-2294	BK-GCS-PEDCO-120-PR-PH-0025	Right Glycol	TEG-111-001-AN04-2"-PT	AN04	2000#	1/2" NPT	RICH GLYCOL	Liquid	2.1	3.5	AMB	85	0-4	Yes	Bourdon	SS 316L	No	No	No	No	No	VTA	Note 1
D01 Added	62	PG-2295	BK-GCS-PEDCO-120-PR-PH-0025	GLYCOL SUMP DRUM	NT-111-0009-AN04-1"-PT	AN04	2000#	1/2" NPT	RICH GLYCOL	Liquid	0.5	3.5	AMB	85	0-1	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1
D01 Modified	63	PG-2301	BK-GCS-PEDCO-120-SA-PH-0001 (1 of 10)	Fire Water	FWA-113-0001-AN04-3"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	64	PG-2302	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	NOTE 11	0	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	65	PG-2303A	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-BK-6025-AN04-2"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	66	PG-2304A	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-BK-6023-AN04-2"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	67	PG-2303B	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-BK-6026-AN04-2"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	68	PG-2304B	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-BK-6024-AN04-2"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	69	PG-2301A	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-113-0006-AN04-12"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	70	PG-2302A	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-BK-6023-AN04-2"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	71	PG-2301B	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-113-0006-AN04-12"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1
D01 Modified	72	PG-2302B	BK-GCS-PEDCO-120-SA-PH-0001 (2 of 10)	Fire Water	FWA-BK-6023-AN04-2"-PT	AN04	2000#	1/2" NPT	Water	Liquid	NOTE 11	NOTE 11	NOTE 11	NOTE 11	NOTE 11	Yes	Bourdon	SS 316L	No	Yes	No	No	No	VTA	Note 1



NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

بسته کاری

صادر کننده

تسهیلات

رشته

نوع مدرک

سریال

نسخه

BK

GCS

PEDCO

120

IN

DT

0001

D01

شماره صفحه: ۹ از ۱۰

D01

Differential Pressure Gauge

GENERAL	1	Item	See Page 10	
	2	Tag Number	See Page 10	
	3	Service	See Page 10	
	4	Line No.	See Page 10	
	5	Equipment No.	P&ID No.	See Page 10
	6	Area Classification	Zone 2, IIB T4	
PROCESS CONDITIONS	7	Fluid	Fluid State	See Page 10
	8	Max Press. Oper.	Design Pressure	See Page 10 barg
	9	Oper. Temp.	Design Temperature	See Page 10 °C
MANIFOLD	10	Manifold Type	Manifold Material	5 Way Manifold 316 S.S.
	11	Connection	Manifold Rating	1/2" NPTF (Note 6) (Note 11)
CASE	12	Case Type	Case Style	Silicon Oil Filled weather proof (IP 65)
	13	Case Material	Case Size	304 S.S. 150 mm
	14	Case Pressure Relief	Yes	
	15	Conn. Location	Proc. Connection	bottom See Page 10
	16	Ring Style	Ring Material	VTA 304 S.S.
	17	Mounting Type	Blow-out protection	Direct Back
	18	Socket Material	316 S.S.	
	19	Window Material	Shatterproof glass	
	20	Seal / O-Ring Material	VTA	
	21	Liquid Fill Material	VTA	
ELEMENT	22	Element Type	Element Material	Diaphragm 316 S.S.
	23	Movement Style	Movement Material	VTA 316 S.S.
	24	Over Range Protection	1.3 times of maximum operating pressure	
	25	Accuracy	±0.5% of F.S.	
	26	Internal Stop	Yes	
	27	Measuring Range	See Page 10 barg	
DIAL	28	Dial Scale Type	Dial Material	Dual indicating scales (barg/psig) aluminum
	29	Dial Color	black marks on white background	
	30	Zero Adjustment	Adjustable pointer	
ACCESSORY	31	Syphon	Material	See Page 10 316 S.S.(if necessary)
	32	Pulsation Damper	Material	See Page 10 316 S.S.(if necessary)
	33	Over Press.	Material	VTA VTA
	34	End Connection	1/2" NPT (Note 6)	
DIAPHRAGM SEAL	35	Seal Type	N/A	
	36	Instrument Conn.	Process Conn.	N/A N/A
	37	Diaphragm Extension Length	N/A	
	38	Diaphragm Material	N/A	
	39	Capillary Material	Capillary Length	N/A N/A
	40	Housing Mtrl.	Lower	N/A N/A
	41	Bolting Material	N/A	
	42	Gasket / O-Ring Material	N/A	
	43	Fill Fluid Material	N/A	
	44	NACE MR0175/ISO 15156 Compliance	See Page 10	
PURCHASE	45	Manufacturer	(Note 8)	
	46	Model	(Note 8)	

NOTES: VTA : Vendor to Advise
N/A: Not Applicable

- (1) NACE-MR-0175/ISO 15156 requirements shall be covered where Piping/Pipeline Material Specification recommended.
- (2) Window shall be heavy plate glass, breakage resistance and shatter proof.
- (3) Pressure gauges shall be double scale type (Bar and Psi).
- (4) All gauges shall be equipped with screw driver slot type adjustment for calibration purposes.
- (5) Oil-filled system or Pulsation dampeners shall be supplied for all pressure instruments and gauges in vibrating or pulsating services.
- (6) 1/2"NPT for Instrument/Process connection and 1/4" NPT for Drain Connection-All Manifolds, Pulsation Dampners and Siphons shall be suitable for connecting to gauges (1/2" NPT). And the material shall be 316 SS.
- (7) Over range protection shall be 1.3 times the maximum range.
- (8) Will be finalized later at the purchasing time.
- (9) Cases for pressure gauges shall be solid front stainless steel.
- (10) Weep hole shall be provided on the case bottom of all gauges.
- (11) For manifold rating, Bolt & Gasket material refer to "Piping Material Specification Doc No.: BK-GCS-PEDCO-120-PI-SP-0001"
- (12) Gauge pointer shall be adjustable (micro meter adjustment) without removal from pinion shaft.

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک									
	DATA SHEETS FOR PRESSURE & DIFF. PRESSURE GAUGE									
	نوع و مشخصات	نوع	نوع	نوع	نوع	نوع	نوع	نوع	نوع	نوع
134-133-132	BK	GCS	PEDCO	120	IN	DT	0001	D01	شماره مشخصه: ۳ از ۱۰	

D01

DIFFERENTIAL PRESSURE GAUGE

Rev.	Item No.	Tag No.	P&IDs No.	Service.	LINE/ EQUIPMENT	Piping Class	Connection Rating	Process Connection	Fluid	Phase	Operating Pressure (bar)	Design Pressure (bar)	Operating Temperature (°C)	Design Temperature (°C)	Instrument Range (mbar)	Liquid Filled	Press. Element Type	Press. Element Material	Movement Damper (Snubber)	Over Range Protection	Siphon	Diaphragm Seal	Nace	Model	Remark
D01 Moved from sheet 6	1	PDG-2113A	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	BEFORE SLUG PUMP A	CDH-112-0010-AN05-4"-PT	AN05	-	1/2" NPT	WATER	LIQUID	0.5	9	23.22/8.82	85	0-500	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1
D01 Moved from sheet 6	2	PDG-2113B	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	BEFORE SLUG PUMP B	CDH-112-0011-AN05-4"-PT	AN05	-	1/2" NPT	WATER	LIQUID	0.5	9	23.22/8.82	85	0-500	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1
D01 Moved from sheet 6	3	PDG-2271	BK-GCS-PEDCO-120-PR-PI-0022	FUEL GAS K.O. DRUM	V-2205	-	-	1/2" NPT	HYDROCARBON	GAS	4.9	9	33.6	85	0-500	Yes	Bourdon	SS 316L	No	Yes	No	No	Yes	VTA	Note 1