

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض عمومی و مشترک								
	DATA SHEETS FOR PRESSURE GAUGE - WELLHEADS								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری SSGRL	صادر کننده PEDCO	تھیلات 110	رشته IN	نوع مدرک DT	سریال 0002	نسخه D02	شماره صفحه: 1 از 8

طرح نگهداشت و افزایش تولید 27 مخزن

DATA SHEETS FOR PRESSURE GAUGE - WELLHEADS

نگهداشت و افزایش تولید میدان نفتی بینک

D02	JUL.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	FEB.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	DEC.2021	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-707369

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 فعالیت های رو زمینی در بسته های کاری تحت الارض								
	عمومی و مشترک								
	DATA SHEETS FOR PRESSURE GAUGE - WELLHEADS								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری SSGRL	صادر کننده PEDCO	تسهیلات 000	رشته IN	نوع مدرک DT	سریال 0002	نسخه D02	شماره صفحه: 2 از 8

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X	X			65					
2	X	X	X			66					
3	X	X				67					
4	X	X				68					
5	X	X	X			69					
6	X	X	X			70					
7	X	X				71					
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض عمومی و مشترک							 	
	DATA SHEETS FOR PRESSURE GAUGE - WELLHEADS								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک		سریال
053 - 073 – 9184	BK	SSGRL	PEDCO	000	IN	DT	0002	D02	شماره صفحه: 3 از 8

REFERENCE DOCUMENTS:

1- SPECIFICATION FOR INSTRUMENTATION	BK-GNRAL-PEDCO-000-IN-SP-0001
2-PIPELINE MATERIAL SPECIFICATION	BK-SSGRL-PEDCO-110-PI-SP-0001
3- PIPING & INSTRUMENT DIAGRAM:	
P&ID - W018S	BK-W018S-PEDCO-110-PR-PI-0001
P&ID - W028	BK-W028-PEDCO-110-PR-PI-0001
P&ID - W035	BK-W035-PEDCO-110-PR-PI-0001
P&ID - W008N	BK-W008N-PEDCO-110-PR-PI-0001
P&ID - W007S	BK-W007S-PEDCO-110-PR-PI-0001
P&ID - W046S	BK-W046S-PEDCO-110-PR-PI-0001
4-PROCESS FLOW DIAGRAM (PFD)	BK-GCS-PEDCO-120-PR-PF-0001
5-INSTRUMENT & CONTROL SYSTEM DESIGN CRITERIA	BK-SSGRL-PEDCO-110-IN-DC-0002
6- SPECIFICATION FOR WHCP/HPU	BK-SSGRL-PEDCO-110-IN-SP-0001

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض عمومی و مشترک							 
	DATA SHEETS FOR PRESSURE GAUGE - WELLHEADS							
شماره پیمان: 053 - 073 - 9184	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
	BK	SSGRL	PEDCO	000	IN	DT	0002	D02
شماره صفحه: 3 از 8								

GENERAL NOTES:

- 1- Pressure elements shall be capable of withstanding intermittent over-ranging to 1.3 times the maximum scale reading.
- 2- Ranges shall be selected suitable to have the operating pressure in the middle third of the scale.
- 3- Vendor is responsible for applying suitable accessories to prevent damage and to reach required accuracy for PI.
- 4- Vendor to follow materials indicated in the Data Sheets, related wetted parts, these materials can be as minimum and shall be verified by vendor.
- 5- All field instruments shall be furnished with a stainless steel corrosion resistant nameplate permanently fastened with screws and stamped as follows and as applicable:
 - Vendor's name
 - Model number
 - Serial number
 - Instrument tag number
 - Operating range
 - hazardous area certification & certification agency name
 - Pressure rating
- 6- Weep hole shall be provided on the case bottom of all gauges.
- 7- Material Test Certificate and Calibration Certificate for all gauges to be submitted by vendor.
- 8- Each pressure gauge which doesn't have Diaphragm Seal shall be supplied with a Two valve manifold (block & bleed manifold) (Process Conn. 1/2"NPTF, 316 S.S.). Manifold to be supplied by vendor
- 9- Environmental Condition For Field Instrumentation Of BINAK Oil field Shall Be Considered As Per The Following:
 - Minimum ambient temperature (°C): -5 °C
 - Maximum ambient temperature (°C): 50 °C
 - Maximum steel surface exposed to sun (°C): 85 °C
 - Maximum Design relative humidity: 100%
 - Minimum Design relative humidity: 0%

 NISOC	تجهیزات و افزایش تولید میدان نفتی بیستک فعالیت های روزمینی در بسته های کاری تحت الارض عمومی و مشترک		 	
شماره پیمان: 053 - 073 - 9184	DATA SHEETS FOR PRESSURE GAUGE - WELLHEADS		شماره صفحه: 8 از 4	
پروژه BK	بسته کاری SSGRL	مادر کننده PEDCO	تجهیزات 000	رشته IN
			نوع مدرک DT	سریال 0002
			نسخه D02	

Pressure Gauge					
GENERAL	1	Item		See List	
	2	Tag Number		See List	
	3	Service		See List	
	4	Line Number /Equipment		See List	
	5	P&ID No.		See List	See List
PROCESS CONDITIONS	6	Fluid	Fluid State	See List	See List
	7	Oper. Pressure	Design Pressure (barg)	See List bar-g	See List bar-g
	8	Oper. Temp.	Design Temp. (°C)	See List	See List °C
MANIFOLD	9	Manifold Type	Manifold Material	2-valve (block & bleed manifold) (Note 6)	S.S 316
	10	Connection	Manifold Rating	1/2" NPTF(note 2)	Note 7
CASE	11	Case Type	Case Style	Filled type (with silicon oil)(note 4)	vapour tight and weather proof (IP 65)
	12	Case Material	Case Size	stainless steel 304	150 mm
	13	Case Pressure Relief		Yes	
	14	Conn. Location	Proc. Connection/ Rating	Direct Mounted from Bottom	1/2" NPTM/ See List
	15	Ring Style	Ring Material	VTA	316 S.S.
	16	Mounting Type	Blow-out protection	Local	Back
	17	Socket Material		316 S.S.	
	18	Window Material		Shatterproof glass	
	19	Seal / O-Ring Material		VTA	
ELEMENT	20	Liquid Fill Material		VTA	
	21	Element Type	Element Material	Bourdon (note 3, 8)	316 S.S.(note 1)
	22	Movement Style	Movement Material	VTA	316 S.S.
	23	Over Range Protection		1.3 times of maximum operating pressure	
	24	Accuracy		±0.6 % of F.S. D02	
	25	Internal Stop		Yes	
	26	Measuring Range		See List	bar-g
DIAL	27	Dial Scale Type	Dial Material	Dual indicating scales (barg/psig)	aluminum
	28	Dial Color		Black marks on white background	
	29	Zero Adjustment		Adjustable pointer (note 5)	
ACCESSORY	30	Syphon	Material	See List	316 S.S. (Note 1)
	31	Pulsation Damper	Material	See List ,see "P.D." tab column	316 S.S. (Note 1)
	32	Over Press. Protector	Material	See List	VTA
	33	End Connection		1/2" NPT (note 2)	
DIAPHRAGM SEAL (Note 9)	34	Seal Type		N/A	
	35	Instrument Conn.	Process Conn.	N/A	N/A
	36	Diaphragm Extension Length		N/A	
	37	Diaphragm Material		N/A	
	38	Capillary Material	Capillary Length	N/A	N/A
	39	Housing Mtrl.	Lower	N/A	N/A
	40	Bolting Material		N/A	
	41	Gasket / O-Ring Material		N/A	
SPECIAL	42	Fill Fluid Material		N/A	
	43	Note	NACE MR0175/ISO 15156 Compliance	See List	See List(Note 1)
PURCHASE	44	Manufacturer		WILL BE FINALIZED LATER D02	
	45	Model		WILL BE FINALIZED LATER D02	

Notes: VTA : Vendor to Advise N/A: Not Applicable					
1: Wetted part shall be according To MR0175/ISO 15156 as per table page 6. 2: 1/2"NPT for Instrument/Process connection and 1/4" NPTF for Drain Connection-All Manifolds ,Pulsation Dampners and Syphons shall be suitable for connecting to gauges. 3: Suitable element type for gauge to be confirmed by vendor . 4: Cases for pressure gauges shall be solid front stainless steel. 5: Gauge pointer shall be adjustable (micro meter adjustment) without removal from pinion shaft. 6: Valves manifold with mounting bracket, u-bolts and nuts shall be supplied by vendor. 7: For manifold rating, Bolt & Gasket material refer to "Piping and Pipeline Material Specification No.: BK-SSGRL-PEDCO-110-PL-SP-0001" 8: Over-range stopper shall be provided for the over-range limit.					

