







NISOC

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رساني مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

شماره پیمان: پروژه صادر کننده ا بسته کاری تسهيلات نوع مدرک 053 - 073 - 9184 BK W007S PEDCO DT 0010 D02 110 IN

شماره صفحه: 1 از 21

طرح نگهداشت و افزایش تولید 27 مخزن

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

نگهداشت و افزایش تولید میدان نفتی بینک

Class: 1 Client Doc. Number: F9Z-707980						
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	Client Approval
D00	SEP.2022	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	JAN.2023	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D02	APR.2023	AFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	

IDC: Inter-Discipline Check status:

> 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



053 - 073 - 9184

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD





شماره صفحه: 2 از 21

RF\	/ISION	RECORD	SHEET

				RE	VISION REC	ORD SHEET					
Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
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5	Ŷ					69					
6	X	Х				70					
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8	Х	Х				72					<u> </u>
9 10	X	X	Х			73 74					
11	X	^	X			75					
12	X	Χ	,			76					
13	χ		Х			77					
14	Х	Х				78					
15 16	X	Х				79 80					
17	χ	X				81					
18	X	X				82					1
19	Х		Х			83					
20	Х	Х	Х			84					
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58 59					 	122 123					
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61					1	125				1	1
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64						128					<u> </u>



053 - 073 - 9184

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

 نسخه
 سریال
 نوع مدر ک
 رشته
 تسهیلات
 صادر کننده
 بسته کاری
 پروژه

 BK
 W007S
 PEDCO
 110
 IN
 DT
 0010
 D02



: 3 از 21	شماره صفحه	
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REFERENCE DOCUMENTS:

شماره پیمان:

F&G LOCATION LAYOUT - EXTENSION OF BINAK BC MANIFOLD BK-W007S-PEDCO-110-IN-PY-0005

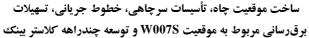
FIRE AND GAS DETECTION DESIGN CRITERIA BK-SSGRL-PEDCO-110-IN-DC-0001

SPECIFICATION FOR FIRE & GAS SENSOR AND DEVICES BK-GNRAL-PEDCO-000-IN-SP-0009

GENERAL NOTE

1 Refer to latest version of reference documents.







NISOC DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD شماره پیمان: پروژه صادر کننده نسخه بسته کاری تسهيلات نوع مدرك سريال شماره صفحه: 4 از 21 053 - 073 - 9184 PEDCO BK W007S 110 IN DT 0010 D02 GENERAL NOTES: 1 - Vendor shall identify and detail any deviation from the present Data Sheet 2- All equipments/detectors listed in this document shall be supplied with related calibration and test equipments. 3 - S.S. Name olate including project description to be provided.



نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض







شماره صفحه: 5 از 21

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرساني مربوط به موقعيت W007S و توسعه چندراهه كلاستر بينك

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

	شماره پیمان∶	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
053 - 073 - 9184		BK	W007S	PEDCO	120	IN	DT	0010	D02

CONTENTS ITEMS PAGES DATASHEET FOR HORN 6 HORN LIST DATASHEET FOR BEACON **BEACON LIST** 9 DATASHEET FOR HYDROGEN GAS DETECTOR 10 HYDROGEN GAS DETECTOR LIST 11 DATASHEET FOR MANUAL ALARM CALL POINT 12 MANUAL ALARM CALL POINT LIST 13 DATASHEET FOR LINEAR HEAT DETECTOR 14 LINEAR HEAT DETECTOR LIST 15 DATASHEET FOR SMOKE DETECTOR 16 SMOKE DETECTOR LIST 17 DATASHEET FOR BELL 18 BELL LIST 19 DATASHEET FOR HEAT DETECTOR 20 HEAT DETECTOR LIST 21



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شماره پیمان:

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک







شماره صفحه: 6 از 21

	T	DATASHEET FOR	HORN			
	1	Tag No.	See Next Page			
	2	Ambient Temprature Min / Max (°C)	-5 ~ 50 (°C)			
٩٢	3	Design Relative Humidity Min / Max (%)	0~ 100 (%)			
GENERAL	4	Atmospheric Condition	Non-Acidic, Harsh and Dusty			
ច	5 Area Classification		See Next Page			
	6	F&G Location Layout No.	See Next Page			
	7	Location of Installation	See Next Page			
	8	System Type	Addressable			
	9	Function	Local Alarm with 2 modes: • non-continuous for flammable and toxic gas low alarm detection • Continuous for fire detection and also flammable/toxic gas high alarm detection			
	10 Sou	Sound Pressure Level	120 dB (At 1 meter) (VTC)			
	11	Service	Hydrocarbon			
	12	Adjustable Sound Intensity	Yes			
	13	Frequency Range	500 ~ 1000 Hz (VTC)			
	14	Multiple Terminal Connection	Required			
	15	No. of Selectable Tones	Minimum 2			
	16	Power Supply	24 VDC			
N.	17	System Wiring	10 Core x 1.5 (for Horn combined with Blue/ Red Beacon)(Note 9)			
DETECTOR	18	Power Consumption	VTA (Note 4)			
DE	19	Electrical Connection	M25 x 1.5(Note 9)			
	20	Body and Housing Material	Epoxy coated die cast aluminum (copper free).			
	21	Installation	Fix			
	22	Mounting	Bracket (Note 2)			
	23	Mounting Accessories Material	316 SS			
	24	Degree of Protection	IP 65			
	25	Explosion Protection	Unclassified			
	26	Weather Proof and Dust Proof	Yes			
	27	Safety Integrity Level	Non SIL			
	28	Certificate	IEC 60529 (IP), ATEX , BSI EN54-3			
	29	Nameplates Material	Stainless Steel			
ASE 'A	30	Manufacturer	will be finalized later			
PURCHASE DATA	31	Model No.	will be finalized later			

- Notes:

 1. VTA: Vendor To Advice. VTC: Vendor To Confirm N/A: Not Applicable 2. Vendor shall specify weight, color and dimentions of devices and accessories. N/A: Not Applicable

- The value of End Of Line (EOL) resistor shall be suggested by vendor.
 Mounting Accessories, sunshade and cable gland are included in vendor scope of supply.
- 5. 2 different tones one for Flammable/ Toxic gas detection (non-continuous) and one for fire detection (continuous). Each tone shall be activated by receiveing dedicated signal.
 6. All devices shall have stainless steel tag plate with their tag no engraved on it which is fixed on the body.
 7. Low power consumption to be considered. Quiescence power consumption and alarm power consumption to be specified by vendor.

- 9. Horn and related beacon(Red) shall be installed on common stand. Eex JB for connectig 5*1.5 mm2 cable to be considered by vendor for signal distribution.



ئىرىت تۇمىرىمان ئىرىك تۇمىرىمان





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DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

شماره پیمان: پروژه بسته کاری صادر کننده تسهيلات رشته نوع مدرك نسخه شماره صفحه: 7 از 21 053 - 073 - 9184 BK W007S PEDCO 120 IN DT 0010 D02

EM	TAG NO.	LOCATION	LAYOUT	Indoor / Outdoor	INGRESS PROTECTION	ELECTRICAL PROTECTION	SERVICE	REMARKS
1	HN-2101 (Note 9 at page 6)	Control Building	BK-W007S-PEDCO-110- IN-PY-0005 (2 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	
2	HN-2201 (Note 9 at page 6)	Battery Building	BK-W007S-PEDCO-110- IN-PY-0005 (3 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	
3	HN-2301(Note 9 at page 6)	Switchgear Building	BK-W007S-PEDCO-110- IN-PY-0005 (4 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	
9								
10								
11								
12								
13			Calibration and test device	ce for Horn				NOTE 1



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نماره پیمان:

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD سريال نوع مدرك رشته پروژه بسته کاری صادر کننده تسهيلات BK PEDCO IN DT 0010 W007S 120 D02



شماره صفحه: 8 از 21

		DATASHEET FOR BEAC	CON				
	1	Tag No.	See Next Page				
	2	Ambient Temprature Min / Max (°C)	-5 ~ 50 (°C)				
ا ب	3	Design Relative Humidity Min / Max (%)	0~ 100 (%)				
GENERAL	4	Atmospheric Condition	Non-Acidic, Harsh and Dusty				
95	5	Area Classification	See Next Page				
	6	F&G Location Layout No.	See Next Page				
	7	Location of Installation	See Next Page				
	8	System Type	Addressable				
	9	Service	See Next Page				
	10	Function	Red for fire detection Yellow for flammable gas detection Blue for Toxic Gas Detector(if applicable)				
	11	Flash Rate	60 FPM/1HZ (VTA)				
	12	Colour	See Next Page				
	13	Lens Type	Glass				
	14	Field of View	360°				
	15	Tube type	Xenon				
	16	Effective Intensity	200 cd to 1000 cd candela (VTA)				
	17	Power Supply	24 VDC (VTA)				
œ	18	System Wiring	10 Core x 1.5 (for Horn combined with Blue/ Red Beacon) (Note 8)				
DETECTOR	19	Power Consumption	VTA (Note 4)				
DET	20	Electrical Connection	M20 x 1.5				
	21	Body and Housing Material	Epoxy coated die cast aluminum				
	22	Installation	Fix				
	23	Mounting	Bracket (Note 2)				
	24	Mounting Accessories Material	316 SS				
	25	Degree of Protection	See Next Page				
	26	Explosion Protection	See Next Page				
	27	Weather Proof and Dust Proof	Yes				
	28	Safety Integrity Level	Non SIL				
	29	Certificate	IEC 60529 (IP), ATEX , BSI EN54-3				
	30	Body Color	Red for fire and flammable gas detection Red for Toxic Gas Detector(if applicable)				
	31	Nameplates Material	Stainless Steel				
PURCHA SE DATA	32	Manufacturer	will be finalized later				
Notes :	33	Model No.	will be finalized later				

- Notes:

 1. VTA: Vendor To Advice. VTC: Vendor To Confirm N/A: Not Applicable
- 2. Vendor shall specify weight, color and dimentions of devices and accessories.

 3. The value of End Of Line (EOL) resistor shall be suggested by vendor.

 4. Mounting Accessories, sunshade and cable gland are included in vendor scope of supply.

- 5. 3 different colors to be selected for lights of beacon:Red for fire detection

- Yellow for flammable gas detection
 Blue for Toxic Gas Detector(if applicable)
- 6. All devices shall have stainless steel tag plate with their tag no engraved on it which is fixed on the body.
- To Low power consumption to be considered. Quiescence power consumption and alarm power consumption to be specified by vendor.

 B. Horn and related beacon(Red) shall be installed on common stand. Eex JB for connectig 5*1.5 mm2 cable to be considered by vendor for signal distribution.



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ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

				BEACON LI	ST	1		1	
ITEM	TAG NO.	LOCATION	LAYOUT	Indoor / Outdoor	INGRESS PROTECTION	ELECTRICAL PROTECTION	COLOR	SERVICE	REMARKS
1	BR-2101	Control Building	BK-W007S-PEDCO- 110-IN-PY-0005 (2 OF 4)	Outdoor	IP 65	Unclassified	Red	Hydrocarbon	
2	BR-2102	Control Building	BK-W007S-PEDCO- 110-IN-PY-0005 (2 OF 4)	Indoor	IP 54	Unclassified	Red	Hydrocarbon	
3	BR-2201	Battery Building	BK-W007S-PEDCO- 110-IN-PY-0005 (3 OF 4)	Outdoor	ttdoor IP 65 Unclassified Red Hydrocarbon				
4	BR-2301	Switchgear Building	BK-W007S-PEDCO- 110-IN-PY-0005 (4 OF 4)	Outdoor	IP 65	Unclassified	Red	Hydrocarbon	
5	BR-2302	Switchgear Building	BK-W007S-PEDCO- 110-IN-PY-0005 (4 OF 4)	Indoor	IP 54	Unclassified	Red	Hydrocarbon	
6	BY-2201	Battery Building	BK-W007S-PEDCO- 110-IN-PY-0005 (3 OF 4)	Outdoor	IP 65	Unclassified	Yellow	Hydrocarbon	
7	BY-2301	Switchgear Building	BK-W007S-PEDCO- 110-IN-PY-0005 (4 OF 4)	Outdoor	IP 65	Unclassified	Yellow	Hydrocarbon	
8									
9									
10									
11									
12			calibrati	on and test device for B	eacons				NOTE 1

Calibration and test devices for Beacons to be advise by vendor.



053 - 073 - 9184

نماره پیمان:

پروژه

BK

بسته کاری

W007S

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

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DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

تسهيلات

120

صادر كننده

PEDCO

نوع مدرک

DT

سريال

0010

نسخه

D02

رشته

IN





شماره صفحه: 10 از 21

		DATASHEET FOR HYDROGEN G	AS DETECTOR
	1	Tag No.	See Next Page
	2	Ambient Temprature Min / Max (°C)	-5 ~ 50 (°C)
AL AL	3	Design Relative Humidity Min / Max (%)	0~ 100 (%)
GENERAL	4	Atmospheric Condition	Non-Acidic, Harsh and Dusty
5	5	Area Classification	See Next Page
	6	F&G Location Layout No.	See Next Page
	7	Location of Installation	See Next Page
	8	System Type	Conventional
	9	Function	Hydrogen Gas Detector
	10	Service	See Next Page
	11	Sensor Type	Electrochemical Type (H2S)
	12	Measuring Range	0 - 100% LEL
	13	Accuracy	<+/-2 ppm
	14	Life Time	Typical 2 to 5 Years
	15	Response time	< 5 Seconds
	16	Alarm Range	High Level:5% LEL,High High Level:10% LEL
	17	Repeatability	VTA
	18	Output Signal	Analouge 4-20mA
S.	19	Power Supply	24 VDC (VTA)
DETECTOR	20	System Wiring	2 Core x 1.5
B	21	Power Consumption	VTA (Note 8)
	22	Electrical Connection	M20 x 1.5
	23	Body and Housing Material	Epoxy coated die cast aluminum
	24	Installation	Fix
	25	Mounting	Bracket (Note 5)
	26	Mounting Accessories Material	316 SS
	27	Degree of Protection	See Next Page
	28	Explosion Protection	See Next Page
	29	Weather Proof and Dust Proof	Yes
	30	Safety Integrity Level	Non SIL
	31	Certificate	Calibration, SIL, IEC 60529 (IP), ATEX , MATERIAL
	32	Nameplates Material	Stainless Steel
IASE IA	33	Manufacturer	will be finalized later
PURCHASE	34	Model No.	will be finalized later
Notes :			

- VTA : Vendor To Advice. VTC : Vendor To Confirm N/A : Not Applicable

- 1. Vi A: Vertoor 10 Advice.

 V1C: Vertoor 10 Continum N/A: Not Applicable

 2. The gas detectors shall still work after an extended period in operation ,without any low concentration of the specific gas ,none at all.

 3. The response of a detector shall be clearly visible from the outside by a flashing ligh-emitting(LED) of sufficient brightness.

 4. The detector shall be designed in such a way that ambient conditions, humidity, temperature and wind can not affect the sensor signal.

 5. Vendor scope of supply includes: Sensor, Transmitter, All Mounting Accessories, cable glands, other accessories (including splash guard, Calibration Kit, etc)

 6. Calibration kit contained CALIBRATION GAS, CALIBRATION TOOL, TEST MAGNETS (if required) shall be considered.

- 7. All devices shall have stainless steel tag plate with their tag no engraved on it which is fixed on the body.8. Low power consumption to be considered. Quiescence power consumption and alarm power consumption to be specified by vendor.
- 9. HGDs shall be capable to connect to Smart Hart Communication.



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		MANIFOLD	F BINAK BC I	EXTENSION C	&G DEVICES - I	HEETS FOR I	DATA S			
شماره صفحه: 11 از 21	نسخه	سريال	نوع مدرک	رشته	تسهيلات	صادر کننده	بسته کاری	پروژه	شماره پیمان∶	
21) 11	D02	0010	DT	IN	120	PEDCO	GCS	BK		053 - 073 – 9184

	HYDROGEN GAS DETECTOR LIST							
ITEM	TAG NO.	LOCATION	LAYOUT	Indoor / Outdoor	INGRESS PROTECTION	ELECTRICAL PROTECTION	SERVICE	REMARKS
1	HGD-2201	Battery Building	BK-W007S-PEDCO- 110-IN-PY-0005 (3 OF 4)	Indoor	IP 54	Eexd Zone1, IIC T4	Hydroen (related to the batteries)	Conventional
2	HGD-2301	Switchgear Building	BK-W007S-PEDCO- 110-IN-PY-0005 (4 OF 4)	Indoor	IP 54	Eexd Zone1, IIC T4	Hydroen (related to the batteries)	Conventional
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20			calibration and test device	e for HGDs				NOTE 1



ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک





NISOC					, ,		. ,,, .	3.		
	DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD									
	شماره پیمان:	پروژه	بسته کاری	صادركننده	تسهيلات	رشته	نوع مدرك	سريال	نسخه	شماره صفحه: 12 از 21
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	DT	0010	D02	,

		DATASHEET FOR MANUAL A	LARM CALL POINT
	1	Tag No.	See Next Page
	2	Ambient Temprature Min / Max (°C)	-5 - 50 (°C)
_	3	Design Relative Humidity Min / Max (%)	0~ 100 (%)
GENERAL	4	Atmospheric Condition	Non-Acidic, Harsh and Dusty
95	5	Area Classification	See Next Page
	6	F&G Location Layout No.	See Next Page
	7	Location of Installation	See Next Page
	8	Function	Manual Alarm
	9	Service	See Next Page
	10	Glass Type	Resettable type
	11	Switch Type	Single pole, Normally Closed 3 Hermetically Sealed (equipped with opening key for test, maintenance and reset)
	12	Detector Type	Addressable
	13	Alarm Indicator	High Intensity Red LED
	14	Output Signal	Voltage Free Contact (24VDC,5A)
	15	System Wiring	2 Core
	16	Test Key	Required
R	17	Power Supply	24 VDC (VTA)
DETECTOR	18	Electrical Connection	M20 x 1.5
DE	19	Body and Housing Material	Epoxy coated die cast aluminum
	20	Colour	Red With Black Marking Colour
	21	End of Line Resistor	Yes
	22	Mounting	Bracket (Note 2)
	23	Mounting Accessories Material	316 SS
	24	Degree of Protection	See Next Page
	25	Explosion Protection	Unclassified
	26	Safety Integrity Level	Non SIL
	27	Certificate	IEC 60529 (IP), ATEX , BSI EN54-11
	28	Nameplates Material	Stainless Steel
PURCHASE DATA	29	Manufacturer	will be finalized later
PURCI	30	Model No.	will be finalized later

- Notes:

 1. VTA: Vendor To Advice. VTC: Vendor To Confirm N/A: Not Applicable
 2. Mounting Accessories, cable gland,sunshade are included in vendor scope of supply.
 3. All devices shall have stainless steel tag plate with their tag no engraved on it which is fixed on the body.



ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برق رسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک





DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD پروژه نوع مدر ک تسهيلات

شماره پیمان: شماره صفحه: 13 **از** 21 053 - 073 - 9184 BK W007S PEDCO 120 IN DT D02

MANUAL ALARM CALL POINT LIST INGRESS ELECTRICAL SERVICE DEMONS								
ГЕМ	TAG NO.	LOCATION	LAYOUT	Indoor / Outdoor	INGRESS PROTECTION	ELECTRICAL PROTECTION	SERVICE	REMARKS
1	MAC-2101	Control Building	BK-W007S-PEDCO-110-IN- PY-0005 (2 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	Addressable
2	MAC-2102	Control Building	BK-W007S-PEDCO-110-IN- PY-0005 (2 OF 4)	Indoor	IP 54	Unclassified	Hydrocarbon	Addressable
3	MAC-2103	Control Building	BK-W007S-PEDCO-110-IN- PY-0005 (2 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	Addressable
4	MAC-2104	Control Building	BK-W007S-PEDCO-110-IN- PY-0005 (2 OF 4)	Indoor	IP 54	Unclassified	Hydrocarbon	Addressable
5	MAC-2201	Battery Building	BK-W007S-PEDCO-110-IN- PY-0005 (3 OF 4)	D ₀₂ Outdoor	JP 65	Unclassified	Hydrocarbon	Addressable
6	MAC-2202	Battery Building	BK-W007S-PEDCO-110-IN- PY-0005 (3 OF 4)	Outdoor	D02 IP 65	Unclassified	Hydrocarbon	Addressable
7	MAC-2301	Switchgear Building	BK-W007S-PEDCO-110-IN- PY-0005 (4 OF 4)	Indoor	IP 54	Unclassified	Hydrocarbon	Addressable
8	MAC-2302	Switchgear Building	BK-W007S-PEDCO-110-IN- PY-0005 (4 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	Addressable
9	MAC-2303	Switchgear Building	BK-W007S-PEDCO-110-IN- PY-0005 (4 OF 4)	Outdoor Outdoor	IP 65	Unclassified	Hydrocarbon	Addressable
10	MAC-2304	Switchgear Building	BK-W007S-PEDCO-110-IN- PY-0005 (4 OF 4)	Outdoor	IP 65	Unclassified	Hydrocarbon	Addressable
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28			calibration and test device	e for MACs		<u> </u>		NOTE 1



نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک





		DAI	N SHLL IS I OK I O	IO DE VICES - EX	I LINGION OF D	MAK DC MAKIN	JLU		
ره پیمان:	پروژه شه	بسته کاری	صادركننده	تسهيلات	رشته	نوع مدرك	سريال	نسخه	شماره صفحه: 14 اذ 21
053 - 073 - 9184	BK	W007S	PEDCO	120	IN	DT	0010	D02	3

		DATASHEET FOR LINEAR I	HEAT DETECTOR
	1	Tag No.	See Next Page
	2	Ambient Temprature Min / Max (°C)	-5 ~ 50 (°C)
4	3	Design Relative Humidity Min / Max (%)	0~ 100 (%)
GENERAL	4	Atmospheric Condition	Non-Acidic, Harsh and Dusty
9	5	Area Classification	See Next Page
	6	F&G Location Layout No.	See Next Page
	7	Location of Installation	See Next Page
	8	Detector Type	Addressable
	9	Function	Heat Detection
	10	Service	See Next Page
	11	Sensor Type	Two Twisted Steel Conductors with Heat Sensitive Polymer Coated
	12	Outer Sheath Material	PVC or Chemical Resistant Nylon (VTA)
	13	Overall Diameter (mm)	3.5 ~ 4.5 mm (VTA)
	14	Alarm Temperature	85°C
	15	Temperature Rise	8 °C Perminute
	16	Cable Lentgh	15 m
	17	Output Signal	Digital 0-24VDC
OR	18	Power Supply	24 VDC (VTA)
DETECTOR	19	System Wiring	2 Core x 1.5
DE	20	Electrical Connection	M20 x 1.5
	21	Body and Housing Material	Epoxy coated die cast aluminum
	22	Installation	Fix
	23	Mounting	Electrical Transformer Surface Mounted
	24	Mounting Accessories Material	VTA
	25	Degree of Protection	See Next Page
	26	Explosion Protection	See Next Page
	27	Weather Proof and Dust Proof	Yes
	28	Safety Integrity Level	Non SIL
	29	Certificate	IEC 60529 (IP), ATEX , MATERIAL
	30	Nameplates Material	Stainless Steel
PURCHA SE DATA	31	Manufacturer	will be finalized later
Notes :	32	Model No.	will be finalized later

- Notes:

 1. VTA: Vendor To Advice. VTC: Vendor To Confirm N/A: Not Applicable

 2. Mounting Accessories, shelter and cable gland are included in vendor scope of supply.

 3. All devices shall have stainless steel tag plate with their tag no. engraved on it which is fixed on the body.

 4. All required mounting & Termination accessories to be provided by vendor.



نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک





	DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD								
پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		

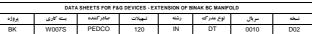
		شماره پیمان:		بسته کاری	صادركننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه	15 از 21	شماره صفحه:
	053 - 073 - 9184		BK	W007S	PEDCO	120	IN	DT	0010	D02		
					1	LINEAR HEA	AT DETEC	FOR LIST		1		
ITEM	TAG NO.		LOCATION		L	AYOUT	Indoor	/ Outdoor	INGRESS PROTECTION	N PROTECTION	SERVICE	REMARKS
1	LHD-2301	Sw	itchgear Build	ing	PY-00	PEDCO-110-IN- 05 (4 OF 4)	Ou	tdoor	IP 65	Unclassifie	ed Hydrocarbon	
2	LHD-2302	Switchgear Building			PY-00	PEDCO-110-IN- 05 (4 OF 4)	Ou	tdoor	IP 65	Unclassifie	ed Hydrocarbon	
3	LHD-2303	Sw	itchgear Build	ing	PY-00	PEDCO-110-IN- 05 (4 OF 4)	Ou	tdoor	IP 65	Unclassifie	ed Hydrocarbon	
4	LHD-2304	Sw	itchgear Build	ing	PY-00	PEDCO-110-IN- 05 (4 OF 4)	Ou	tdoor	IP 65	Unclassifie	ed Hydrocarbon	
5	LHD-2305	Sw	itchgear Build	ing		PEDCO-110-IN- 05 (4 OF 4)	Ou	tdoor	IP 65	Unclassifie	ed Hydrocarbon	
6												
7												
8												
9												
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21												
22												
23												
24												
25												
26												
27					calil	oration and test de	evice for LH	Ds				NOTE 1
1. Calibra	ation and test devic	es for LHDs to	be advise by	vendor.								



053 - 073 - 9184

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک







شماره صفحه: 16 از 21

		DATASHEET FOR SMOKE DETECTOR	R/HEAT & SMOKE DETECTOR				
	1	Tag No.	See Next Page				
	2	Ambient Temprature Min / Max (°C)	-5 ~ 50 (°C)				
_	3	Design Relative Humidity Min / Max (%)	0~100 (%)				
GENERAL	4	Atmospheric Condition	Non-Acidic				
9	5	Area Classification	See Next Page				
	6	F&G Location Layout No.	See Next Page				
	7	Location of Installation	See Next Page				
	8	Detector Type	Addressable				
	9	Function	Smoke Detector				
	10	Service	False floor / Ceiling smoke detection				
	11	Sensor Type	Smoke Sensing Element : Optical type(scattered-light type or transmitted-light type detectors)				
	12	Rate of Rise(ROR)	Yes (Temperature Rise: 8 °C Perminute)				
	13	Built-in-Test	Manual				
	14	Area Coverage	50 m²				
	15	Operating Temprature	-10 °C to 60 °C				
	16	Alarm Set point	VTC				
	17	Output Signal	VTA				
	18	Power Supply	24 VDC (VTA)				
	19	System Wiring	2 Core x 1.5				
	20	Contact Type & Rating	24 VDC, DPDT				
R.	21	Power Consumption	VTA (Note 7)				
DETECTOR	22	Electrical Connection	M20 x 1.5				
	23	Body and Housing Material	Epoxy coated die cast aluminum				
	24	Installation	Fix				
	25	Sampling Frequency	VTA				
	26	Mounting	Under false floor/ Ceiling (Note 6)				
	27	Mounting Accessories Material	VTA				
	28	Degree of Protection	See Next Page				
	29	Explosion Protection	See Next Page				
	30	Weather Proof and Dust Proof	Yes				
	31	Safety Integrity Level	Non SIL				
	32	Certificate	IEC 60529 (IP), ATEX , MATERIAL				
	33	Sensitivity Adjustable Required	Yes				
	34	Smoke detector sensitivity	m = 0.11 ÷ 0.13 dB/m (pursuant to EN 14604:2005)				
	35	Indicator	2 LED Indication for local display and also a Remote Indicator for False Ceiling / False Floor application.				
	36	Nameplates Material	Stainless Steel				
DATA	37	Manufacturer	will be finalized later				
δ A	38	Model No.	will be finalized later				

- Notes:

 1. VTA: Vendor To Advice. VTC: Vendor To Confirm N/A: Not Applicable
 2. Detectors shall have an inherently stable operation with built in compensation being impaired by dust, dirt or humidity.
 3. All circuity must be protected against electrical trasients and electromagnetic interferences.
 4. Faulty zone wiring shall not damage the detector.
 5. A Built in barrier shall prevent entry of insects in the sensors.
 6. Mounting Accessories, cable gland, end of line resistor are included in vendor scope of supply.
 7. Low power consumption to be considered. Quiescence power consumption and alarm power consumption to be specified by vendor.
 8. Remote Indicator For False Ceiling /False Floor Smoke detector shall be considered.



Calibration and test devices for SDs to be advise by vendor.

نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات

برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک





	بسته کاری پروژه شماره پیمان:			1	DEVICES - EXTENSION OF				نسخه		
	053 - 073 – 918	-	پروژه BK	بسته کاری W007S	صادر کننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک DT	سريال 0010	سخه D02	شماره صفحه: 17 از 21
			•	•		•	•			<u>.</u>	
					CMC	OKE DETECTOR LIST					
									INGRESS	T	
ITEM	TAG NO.		LOCATION		LAYO	UT	UT Indoor / Outdoor			ELECTRICAL PROTECTION	REMARKS
1	SD-2101	Со	ntrol Building		BK-W007S-PEDCO-110-IN-PY-0005 (2 OF 4)			oor	IP 54	Unclassified	
2	SD-2102	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	
3	SD-2103	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	i
4	SD-2104	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	i e
5	SD-2111	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	i
6	SD-2112	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	
7	SD-2113	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	i e
8	SD-2114	Control Building			BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	
9	SD-2121	21 Control Building			BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	
10	SD-2201	Ва	ttery Building		BK-W007S-PEDCO-110)-IN-PY-0005 (3 OF 4)	Ind	oor	IP 54	Unclassified	
11	SD-2301	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110)-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	i
12	SD-2302	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110	0-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	
13	SD-2303	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110)-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	i
14	SD-2311	Switchgear Building			BK-W007S-PEDCO-110)-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	i
15	SD-2312	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110)-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	
16	SD-2313	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110	Ind	oor	IP 54	Unclassified		
17	SD-2314	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110)-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	i
18	SD-2315	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110	Ind	oor	IP 54	Unclassified		
19	SD-2316	Switc	chgear Buildin	ng	BK-W007S-PEDCO-110)-IN-PY-0005 (4 OF 4)	Ind	oor	IP 54	Unclassified	
20	SD-2105	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	
21	SD-2106	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	i e
22	SD-2122	Со	ntrol Building		BK-W007S-PEDCO-110)-IN-PY-0005 (2 OF 4)	Ind	oor	IP 54	Unclassified	
23											
24											
25											
26											
27										<u> </u>	
28										<u> </u>	
29										1	
30										<u> </u>	
31										1	
32										<u> </u>	
33										1	
34											
35											
36					calibration and tes	t device for SDs					NOTE 1



نگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بستههای کاری تحتالارض

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک





		DLD	INAK BC MANIFO	TENSION OF B	G DEVICES - EX	SHEETS FOR F&	DATA			
شماره صفحه: 18 از 21	نسخه	سريال	نوع مدرك	رشته	تسهيلات	صادر کننده	بسته کاری	پروژه	شماره پیمان:	
,	DUS	0010	DT	IN	120	PEDCO	14/0075	Dν	053 _ 073 _ 9184	053 - 073 - 9184

		DATASHEET FOR	BELL					
	1	Tag No.	See Next Page					
	2	Ambient Temprature Min / Max (°C)	-5 ~ 50 (°C)					
_	3	Design Relative Humidity Min / Max (%)	0~100 (%)					
GENERAL	4	Atmospheric Condition	Non-Acidic, Harsh and Dusty					
9	5	Area Classification	See Next Page					
	6	F&G Location Layout No.	See Next Page					
	7	Location of Installation	See Next Page					
	8	System Type	See Next Page					
	9	Sound Pressure Level	80 dB (At 1 meter) (VTA)					
	10	Service	See Next Page					
	11	Adjustable Sound Intensity	Yes					
	12	Adjustable Sound In Intensity	Yes					
	13	No. of Selectable Tones	Minimum 2					
	14	Power Supply	24 VDC (VTA)					
	15	System Wiring	2 Core x 1.5					
	16	Power Consumption	VTA (Note 4)					
DETECTOR	17	Electrical Connection	M25 x 1.5					
DETE	18	Body and Housing Material	Epoxy coated die cast aluminum					
	19	Installation	Fix					
	20	Mounting	Yoke (Note 2)					
	21	Mounting Accessories Material	316 SS					
	22	Degree of Protection	See Next Page					
	23	Explosion Protection	See Next Page					
	24	Weather Proof and Dust Proof	Yes					
	25	Safety Integrity Level	Non SIL					
	26	Certificate	IEC 60529 (IP), ATEX , BSI EN54-3					
	27	Nameplates Material	Stainless Steel					
PURCHASE DATA	28	Manufacturer	will be finalized later					
PURC DA	29	Model No.	will be finalized later					

- Notes:

 1. VTA: Vendor To Advice. VTC: Vendor To Confirm N/A: Not Applicable
 2. Vendor shall specify weight, color and dimentions of devices and accessories.
 3. Mounting Accessories, sunshade and cable gland are included in vendor scope of supply.
 4. All devices shall have stainless steel tag plate with their tag no engraved on it which is fixed on the body.
 5. Low power consumption to be considered. Quiescence power consumption and alarm power consumption to be specified by vendor.



م مرکت قدیمترویران





NISOC

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

شماره پیمان:	پروژه	بسته کاري	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه	شماره صفحه: 19 از 21
053 - 073 - 9184	BK	W007S	PEDCO	120	IN	DT	0010	D02	21)(17.0000 0)

	BELL LIST											
ITEM	TAG NO.	LOCATION	LAYOUT	Indoor / Outdoor	INGRESS PROTECTION	ELECTRICAL PROTECTION	SERVICE	REMARKS				
1	BL-2101	Control Building	BK-W007S-PEDCO-110-IN-PY- 0005 (2 OF 4)	Indoor	IP 54	Unclassified	Hydrocarbon					
2	BL-2301	Switchgear Building	BK-W007S-PEDCO-110-IN-PY- 0005 (4 OF 4)	Indoor	IP 54	Unclassified	Hydrocarbon					
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19			calibration and test device for	Bells				NOTE 1				

١.	Calibration	and test	devices for	Bells to	be advise	by vendor.



ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات





DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

شماره پیمان: 053 - 073 - 9184

بسته کاری پروژه رشته نوع مدرک سريال W007S PEDCO D02 BK 120 IN DT 0010

شماره صفحه: 20 از 21

D02 DATASHEET FOR HEAT DETECTOR										
	1	Tag No.	See Next Page							
	2	Recorded Ambient Temprature Min / Max (°C)	-2 ~ 52 (°C)							
4	3	Relative Humidity @ Min recorded temp. / @ Max recorded temp. (%)	13~ 92 (%)							
GENERAL	4	Atmospheric Condition	Non-Acidic							
뜅	5	Area Classification	See Next Page							
	6	F&G Location Layout No.	See Next Page							
	7	Location of Installation	See Next Page							
	8	Detector Type	Addressable							
	9	Function	Heat Detector							
	10	Service	False floor / Ceiling heat detection							
	11	Sensor Type	Heat Sensing Element: Fusible Alloy Silver Contact							
	12	Rate of Rise(ROR)	Yes (Temperature Rise: 8 °C Perminute)							
	13	Built-in-Test	Manual							
	14	Area Coverage	37 m²							
	15	Operating Temprature	-10 °C to 90 °C							
	16	Alarm Set point	VTC							
	17	Output Signal	VTA							
	18	Power Supply	24 VDC (VTA)							
~	19	System Wiring	2 Core x 1.5							
DETECTOR	20	Contact Type & Rating	24 VDC, DPDT							
ETE	21	Power Consumption	VTA (Note 7)							
	22	Electrical Connection	M20 x 1.5							
	23	Body and Housing Material	Epoxy coated die cast aluminum							
	24	Installation	Fix							
	25	Sampling Frequency	VTA							
	26	Mounting	Under false floor/ Ceiling (Note 6)							
	27	Mounting Accessories Material	VTA							
	28	Degree of Protection	See Next Page							
	29	Explosion Protection	See Next Page							
	30	Weather Proof and Dust Proof	Yes							
	31	Safety Integrity Level	Non SIL							
	32	Certificate	IEC 60529 (IP), ATEX , MATERIAL							
	33	Sensitivity Adjustable Required	Yes							
	34	Indicator	2 LED Indication for local display							
	35	Nameplates Material	Stainless Steel							
PURCHASE DATA	36	Manufacturer	will be finalized later							
PURC	37	Model No.	will be finalized later							
NI-t		•	•							

Notes:

- 1. VTA: Vendor To Advice. VTC : Vendor To Confirm N/A : Not Applicable
- Detectors shall have an inherently stable operation with built in compensation being impaired by dust, dirt or humidity.
 All circuity must be protected against electrical trasients and electromagnetic interferences.
 Faulty zone wiring shall not damage the detector.

- 5. A Built in barrier shall prevent entry of insects in the sensors.
 6. Mounting Accessories, cable gland, end of line resistor are included in vendor scope of supply.
 7. Low power consumption to be considered.



ريتودران



NISOC

ساخت موقعیت چاه، تأسیسات سرچاهی، خطوط جریانی، تسهیلات برقرسانی مربوط به موقعیت W007S و توسعه چندراهه کلاستر بینک

DATA SHEETS FOR F&G DEVICES - EXTENSION OF BINAK BC MANIFOLD

	شماره پیمان:	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه	شماره صفحه: 21از 21
ı	053 - 073 - 9184	BK	W007S	PEDCO	120	IN	DT	0010	D02	21)(21.4000 0)400

	HEAT DETECTOR LIST										
ITEM	TAG NO.	LOCATION	LAYOUT	INDOOR / OUTDOOR	INGRESS PROTECTION	ELECTRICAL PROTECTION	REMARKS				
1	HD-2101	Control Building	BK-W007S-PEDCO-110-IN-PY-0005 (2 OF 4) IND		IP 54	Unclassified					
2	HD-2201	Battery Building	BK-W007S-PEDCO-110-IN-PY-0005 (3 OF 4)	INDOOR	IP 54	Eexd Zone1, IIC T4					
3 _	HD-2301	Switchgear Building	BK-W007S-PEDCO-110-IN-PY-0005 (4 OF 4)	INDOOR	IP 54	Eexd Zone1, IIC T4					
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23			calibration and test device for HDs			NO	OTE 1				