



NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



DATA SHEETS FOR DELUGE VALVES

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

BK

بسته کاری

GCS

صادر کننده

PEDCO

تسهیلات

120

رشته

SA

نوع مدرک

DT

سریال

0004

نسخه

D02

شماره صفحه: ۱ از ۴

طرح نگهداشت و افزایش تولید ۲۷ مخزن

DATA SHEETS FOR DELUGE VALVES

نگهداشت و افزایش تولید میدان نفتی بینک

D02	OCT.2022	IFA	A.H.Saber	M.Fakharian	M.Mehrshad	
D01	MAR.2022	IFA	A.H.Saber	M.Fakharian	M.Mehrshad	
D00	JAN.2022	IFC	A.H.Saber	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 2

CLIENT Doc. Number: F0Z-708991

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



DATA SHEETS FOR DELUGE VALVES

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

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شماره صفحه: ۲ از ۴

REVISION RECORD SHEET

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1	X	X	X		
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	DATA SHEETS FOR DELUGE VALVES								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته SA	نوع مدرک DT	سریال 0004	نسخه D02	شماره صفحه: ۴ از ۴

GENERAL DATA									
1	GENERAL INFORMATION								
2	TYPE		SNAP ACTING, LATCHED TYPE, MANUAL LOCAL						
3	MODEL		*						
4	QUANTITY		4						
5	TAG NO.		DV-2301~2304 D01						
6			DV-2301 For Slug Catcher Area						
7	INSTALLATION LOCATION		DV-2302 For Compressor Area-compressor Shelter 1 D01						
8			DV-2303 For Compressor Area-compressor Shelter 2						
9			DV-2304 For Compressor Area-compressor Shelter 3						
10	DESIGN CODE		NFPA 15 / IPS-E-SF-220						
11	SERVICE		FIRE WATER						
12	PROCESS OPERATING DATA								
13	FLUID TYPE		FIRE WATER						
14	AMBIENT TEMP. MAX/MIN (°C)		50/5						
15	RELATIVE HUMIDITY MAX.(%)		100						
16	OPERATING PRESSURE(MAX/NORM)(BARG)		2~10 / **						
17	DESIGN PRESSURE(BARG)		17 / **						
18	TEST PRESSURE(BARG)		22.5 /**						
19			DV-2301 136.2 m3/hr						
20	TOTAL FLOW RATE(M3/Hr)		DV-2302 140.8 m3/hr D01						
21			DV-2303 140.8 m3/hr						
22			DV-2304 146.2 m3/hr						
TECHNICAL DATA									
23	HAZARD CLASSIFICATION		ZONE(2), IIB,T3						
24	TOTAL DIFFERENTIAL PRESSURE(BARG)		**						
25	SHUT-OFF DIFFERENTIAL PRESSURE(BARG)		10						
26	TECHNICAL DATA								
27	DELUGE VALVE	TYPE	SNAP ACTING, MANUAL OPERATION						
28		MODEL	SELF REGULATING TYPE (*)						
29		INLET CONNECTION TYPE/CODE	MATE TO R.F FLANGE ANSI B 16.5#150						
30	TECHNICAL DATA	DIAMETER (CONNECTION SIZE)/ RATING D01	DV-2301	4	"	DV-2301	150 #		
31			DV-2302	6	"	DV-2302			
32			DV-2303	6	"	DV-2303			
33			DV-2304	6	"	DV-2304			
* TO BE ADVISED BY VENDOR									
** WILL BE SPECIFIED AFTER HYDRAULIC CALCULATION									

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	DATA SHEETS FOR DELUGE VALVES								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	SA	DT	0004	D02	

TECHNICAL DATA		
1	SOLENOID VALVE	HAZARD CLASSIFICATION
2		ZONE 2, EEXD IIB
3		NORMAL ACTION
4		ENERGIZED TO OPEN
5		CODES
6	ALARM DEVICE	NEC, NFPA,
7		BODY MATERIAL
8		*
9		SUPPRESSION DIODE
10		YES
11	PRESSURE SWITCH	TYPE
12		WATER MOTOR ALARM GONG
13		MODEL
14		*
15		QUANTITY
16		ONE PER EACH
17		BODY MATERIAL
18		NON FERROUS
19		SOUND TYPE
20		BELL
21		TYPE
22		DPDT
23		MODEL
24		*
25		QUANTITY
26		ONE PER EACH
27		CONTACT RATING/FORM
28		24 VDC, 2A / DPDT
29		ENCLOSURE
30		EEXD IIB T3, IP 65
31		BODY MATERIAL
32		*
33		
34		
35		
36	OVERALL DIMENSIONS	
37	TOTAL LENGTH (MM)	
38	*	
39	TOTAL DEPTH (MM)	
40	*	
41	TOTAL HEIGHT (MM)	
42	*	
43	TOTAL WEIGHT (KG)	
44	*	
45	WET WEIGHT (KG)	
46	*	
47	PAINTING AND SURFACE PROTECTION	
48	SURFACE PROTECTION	
49	*	
50	PAINTING	
51	EPOXY PRIMER ,WITH FIRE RED FINISHED	
52	AS PER PROJECT SPECIFICATION BK-GNRL-PEDCO-000-PI-SP-0006	
53	TESTING	
54	TEST	
55	IPS, INTERNATIONAL STANDARDS, HYDRO TEST PROCEDURE	
56	NO. OF EQUIPMENT TO BE TESTED	
57	ALL	
58	INSPECTION CODE/ STANDARD	
59	NFFPA15/IPS-E-SF-220	
60	ENCLOSURES	
61	GENERAL NOTES	
62	SEE BELOW	
63	EQUIPMENT DRAWING	
64	*	
65	GUARANTEE AND WARRANTY	
66	GUARANTEE	
67	AS PER PMR For Deluge Valve & Water Spray	
68	AFTER SALE SERVICES	
69	AS PER PMR For Deluge Valve & Water Spray	
70	NOTE	
71	1- ALL INFORMATION MARKED BY "*"SHALL BE FILLED BY VENDOR AND RETURNED DURING QUOTATION STAGE.	
72	2- VALVE PILOT TRIM AS COMPLETE SET AND PREASSEMBLED WITHOUT SKID SHALL BE SUPPLIED BY VENDOR	
73	3- IN CASE OF ANY CONFLICT BETWEEN THIS DATASHEET AND CODES/STANDARD, THE MOST STRINGENT SHALL BE APPLIED.	
74	4- THE DELUGE VALVE SHALL BE PAINTED WITH RED COLOR RAL 3020 ACCORDING TO PROJECT PAINTING SPECIFICATION.	
75	5- THE TAG NO. OF EACH ITEM SHALL BE ENGRAVED ON STAINLESS STEEL PLATE AND TO BE FIXED ON BODY.	
76	6- ALL ELECTRICAL CONNECTIONS & CABLE GLAND SIZES SHALL BE INCONFORMITY WITH ISO STANDARD.	
77	7- DELUGE VALVE COMPONENTS SHALL BE SUPPLIED BY VENDOR COMPLETELY AS PER PROJECT SPECIFICATIONS AND OTHER	
78	ACCESSORIES WHICH IS REQUIRED FOR PROPER OPERATION SUCH AS PRESSURE SWITCHES, PRESSURE GAUGES,	
79	THREE WAYS,BY PASS LINE, STRAINER, ISOLATION VALVE ON INLET/OUTLET AND BYPASS LINE,SOLENOID VALVE,	
80	DRY PILOT ACTIVATION TRIM,SELF OUTLET PRESSURE REGULATING ACCESSORIES, RESTRICTION ORIFICE AND ETC.	
81	8- DELUGE VALVE WITH PILOT AND VALVE TRIM COMPONENTS SHALL BE FABRICATED IN VENDOR'S SHOP AND AFTER FINAL	
82	PERFORMANCE TEST TO BE DELIVERED AS ASSEMBLED SET.	
83	9- DELGE VALVES SHALL BE SKID MOUNTED AND EQUIPPED WITH ISOLATION AND DRAIN VALVE, ALSO ALL INSTRUMENT DEVICES	
84	SUCH AS PRESSURE SWITCHES AND SOLENOID VALVE SHALL BE SUPPLIED WITH CABLE GLAND.	
85	10-OPENNING OF THE DELUGE VALVES SHALL BE TRIGGERD BY:	
86	• A LOCAL MANUAL (PUSH BOTTOM)CONTROL,	
87	• AN AUTOMATIC COMMAND FROM THE FIRE&GAS SYSTEM,	
88	• A MANUAL COMMAND (PUSH BOTTOM) FROM THE FIR & GAS PANEL THROUGH THE FIRE&GAS SYSTEM.	
89	DELUGE RELEASE SHALL AUTOMATICALLY TAKE PLACE UPON RECIEPT OF TRIGGERED SIGNAL. THE DELUGE VALVE SHALL BE	
90	RESET MANUALLY AND LOCALLY AFTER HAVING BEEN OPERATED.	
91	11- DELUGE VALVE SHALL BE FM APPRIVED OR UM LISTED.	
92	12- TO SET OUTLET PRESSURE FOR ANY DELUGE SYSTEM PLEASE REFERE TO HYDRAULIC CALCULATION REPORTS.	

* TO BE ADVISED BY VENDOR