

شرکت تومد شرواریا^ن





عمومی و مشترک

DATA SHEETS FOR WHCP/HPU-WELLHEADS

شماره پیمان∶	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرك	سر يال	نسخه
053 - 073 - 9184	BK	SSGRL	PEDCO	110	IN	DT	0001	D05

شماره صفحه: 1 از 12

طرح نگهداشت و افزایش تولید 27 مخزن

DATA SHEETS FOR WHCP/HPU - WELLHEADS

نگهداشت و افزایش تولید میدان نفتی بینک

Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
D00	AUG.2021	IFC	M.Asgharnejad	M.Fakharian	Sh.Ghalikar	
D01	NOV.2021	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D02	DEC.2021	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D03	JUN.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D04	JAN.2023	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D05	MAR.2023	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	

Class: 1 CLIENT Doc. Number: F9Z-707368

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



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

عمومی و مشترک



شماره پیمان: صادر کننده بسته کاری نسخه پروژه تسهيلات رشته نوع مدرك سريال BK SSGRL PEDCO 000 IN DT 0001 D05



شماره صفحه: 2 از 12

Page D00 D01 D02 D03 D04 Page 1 X					RE'	VISION REC	ORD SHEET
2	Page		D01		D03		Page
3 X X 4 X X 5 X X X 6 X X X X 7 X X X X Y 8 X X X X Y	1	Х	Х	X	X	X	1
4 X		X	X	Х	Х	X	
5 X	4	X	X				4
7 X X X X X X X X Y	5	Х	X	Χ			5
8 X		X		Х	Х	X	
9		X		X	У	X	
10	9	, , ,		X	Ŷ	Ŷ	9
12 X X X X 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15 16 17 18 19 19 19 19 20 20 20 20 21 21 21 22 22 23 23 23 23 23 23 23 23 23 22	10			Χ	Х	X	10
13				X	V	X	
14 15 15 16 17 17 18 19 20 20 21 21 22 22 23 24 25 25 26 26 27 28 29 30 30 30 31 32 33 33 34 34 35 36 37 37 38 38 39 39 40 40 41 41 42 42 43 44 44 44 44 44 44 44 44 44 44 44 44 44 44 44 45 46 47 47 48 49 50 <	12			λ		_ ^	
16 17 17 18 19 19 20 21 21 21 22 23 24 24 25 26 27 27 28 29 30 31 31 31 32 33 33 34 35 35 36 37 38 38 39 39 40 40 41 41 42 43 44 44 45 46 47 47 48 49 50 50 51 51 52 53 55 55 55 55 55 55 55 55 55 55 55 55 55 <							
17 18 19 20 21 21 22 23 24 24 25 26 27 27 28 29 29 30 31 31 32 32 33 34 35 36 37 37 38 38 39 40 41 41 42 42 43 44 44 44 45 46 46 47 47 48 48 48 49 9 50 50 51 55 55 55 56 55 55 55 56 55 55 55 56 57 58 59 60 60 61 62 63 63	15						15
18 19 20 20 21 21 22 23 24 24 25 26 27 27 28 29 30 30 31 31 32 32 33 33 34 34 35 36 37 37 38 39 40 40 41 41 42 43 43 44 44 44 45 46 47 48 49 50 55 55 55 55 55 55 56 55 57 58 59 59 60 60 61 62 63 63	16						
19 19 20 21 21 21 22 23 24 24 25 25 26 26 27 28 29 29 30 31 32 32 33 33 34 34 35 36 37 37 38 38 39 39 40 40 41 41 42 42 43 44 44 45 46 46 47 48 49 49 50 51 51 52 53 55 54 55 55 55 55 55 55 55 55 55 55 55 55 <							
23 24 25 26 27 28 29 30 31 31 32 33 33 33 34 34 35 36 37 37 38 39 40 40 41 42 43 44 45 46 47 48 49 49 50 50 51 52 53 53 54 55 56 57 58 59 60 60 61 62 63 63	19						19
23 24 25 26 27 28 29 30 31 31 32 33 33 33 34 34 35 36 37 37 38 39 40 40 41 42 43 44 45 46 47 48 49 49 50 50 51 52 53 53 54 55 56 57 58 59 60 60 61 62 63 63	20						20
23 24 25 26 27 28 29 30 31 31 32 33 33 33 34 34 35 36 37 37 38 39 40 40 41 42 43 44 45 46 47 48 49 49 50 50 51 52 53 53 54 55 56 57 58 59 60 60 61 62 63 63	21						21
25 26 27 28 29 30 31 31 32 32 33 34 35 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 49 50 50 51 52 53 53 54 55 55 55 56 56 57 58 59 59 60 60 61 62 63 63	22						22
25 26 27 28 29 30 31 31 32 32 33 34 35 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 49 50 50 51 52 53 53 54 55 55 55 56 56 57 58 59 59 60 60 61 62 63 63	24						24
27 28 29 30 31 31 32 33 34 35 36 36 37 37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 50 51 51 51 52 53 54 55 55 55 55 55 56 57 58 55 59 60 60 60 61 62 63 63	25						25
28 29 30 30 31 31 32 32 33 34 35 36 36 36 37 37 38 39 40 41 41 42 43 44 45 45 46 47 47 48 49 50 51 51 52 53 54 55 55 55 56 55 57 55 56 56 57 59 60 60 61 62 63 63	26						26
31 32 33 33 34 34 35 36 37 38 39 40 41 41 42 42 43 44 45 45 46 46 47 48 49 49 50 50 51 52 53 54 55 55 56 57 58 59 60 60 61 62 62 63	27						28
31 32 33 33 34 34 35 36 37 38 39 40 41 41 42 42 43 44 45 45 46 46 47 48 49 49 50 50 51 52 53 54 55 55 56 57 58 59 60 60 61 62 62 63	29						29
32 33 34 34 35 35 36 37 38 39 40 41 42 42 43 44 45 46 47 48 49 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	30						30
33 34 35 35 36 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 51 51 52 53 54 55 55 56 57 58 59 60 61 62 63	31						31
34 35 36 35 37 37 38 39 40 41 41 42 43 44 45 46 47 48 49 50 51 51 52 53 54 55 56 55 56 55 56 57 58 59 60 61 62 63	33						32
36 37 38 38 39 40 41 41 42 43 44 44 45 46 47 48 49 50 51 51 52 53 54 55 56 57 58 59 60 61 62 63	34						34
38 39 40 40 41 41 42 42 43 44 45 46 47 48 49 49 50 51 51 52 53 54 55 55 56 57 58 59 60 60 61 62 63 63	35						35
38 39 40 40 41 41 42 42 43 44 45 46 47 48 49 49 50 51 51 52 53 54 55 55 56 57 58 59 60 60 61 62 63 63	36						36
39 40 41 41 42 43 43 44 45 45 46 47 48 49 50 51 52 53 53 54 55 56 57 58 59 60 61 62 62 63	38						38
41 42 43 44 45 46 47 48 48 49 50 50 51 51 52 53 54 55 56 57 58 59 60 60 61 62 63 63	39						39
42 43 44 45 46 46 47 48 49 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	40						40
43 44 45 46 47 48 49 49 50 51 51 52 53 54 55 55 56 57 58 59 60 61 62 63	41						
45 46 47 48 49 49 50 50 51 50 52 53 54 55 56 55 57 58 59 60 61 62 63 63	43						43
46 47 48 49 50 50 51 50 51 51 52 53 53 54 55 55 56 57 58 59 60 60 61 62 63 63	44						44
47 48 49 49 50 50 51 50 51 51 52 52 53 54 55 55 56 55 57 58 59 59 60 61 62 63	45						45
48 49 49 50 51 50 51 51 52 53 53 54 55 55 56 57 58 59 60 60 61 62 63 63	40	1					40
50 51 51 51 52 52 53 54 55 55 56 57 58 59 60 60 61 62 63 63	48						48
51 52 53 53 54 55 55 55 56 57 58 59 60 60 61 62 63 63	49						49
54 55 56 56 57 57 58 59 60 60 61 61 62 63	50 51	-					50 51
54 55 56 56 57 57 58 59 60 60 61 61 62 63	52						52
54 55 56 56 57 57 58 59 60 60 61 61 62 63	53						53
56 56 57 57 58 59 60 60 61 61 62 62 63 63	54						54
57 58 59 60 61 62 63	55 56	-					55 54
58 59 60 60 61 61 62 62 63 63	57	 					57
60 61 61 62 62 63 63	58						58
61 61 62 62 63 63	59						59
62 63 63	60 61						60 61
63 63	62						62
64 64	63						63
	64						64

D SHEET					
Page	D05	D06	D07	D08	D09
1	X				
2 3 4 5	Х				
4					
5					
6	Χ				
7 8	Х				
9	Λ				
10					
11 12					
12 13 14					
14					
15					
16 17					
18					
19					
20					
22					
23					
24					
25 26					
20 21 22 23 24 25 26 27 28 29 30 31 32 33					
28					
29					
30 31					
32					
33					
34 35					
36					
35 36 37 38					
38					
39 40					
41					
42 43					
43 44					
45					
46					
47 49					
48 49					
50					
51					
5 <u>∠</u>					
52 53 54					
55 56					
56					
57 58					
59					
60					
61 62					
61 62 63					
64					



مرکت تبدیتونیان HIRGAN =

عمومی و مشترک

DATA SHEETS FOR WHCP/HPU-W	ELLHEVDS

شماره پیمان: 9184 – 073 - 053

پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه
BK	SSGRL	PEDCO	000	IN	DT	0001	D05

شماره صفحه: 3 از 12

₹	F	F	F	R	F	N	C	F	D	0	CI	П	VI	F	N	IT	'S	•

1- SPECIFICATION FOR INSTRUMENTATION BK-GNRAL-PEDCO-000-IN-SP-0001

2- PIPING AND 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

4- SPECIFICATION FOR WHCP/HPU BK-SSGRL-PEDCO-110-IN-SP-0001

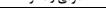
5- WHCP HYDRAULIC/PNEUMATIC DIAGRAM- WELLHEADS BK-SSGRL-PEDCO-110-IN-DG-0002

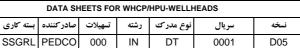
6- INSTRUMENT & CONTROL DESIGN CRITERIA BK-SSGRL-PEDCO-110-IN-DC-0002



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

عمومی و مشترک







شماره صفحه: 4 از 12

GENERAL NOTES

- 1- Environmental Condition For Field Instrumentation Of Binak wellhead area Shall Be Considered as Per The Following:
- Minimum ambient temperature (°C): -5 °C

شماره پیمان:

پروژه

BK

- Maximum ambient temperature (°C): 50 °C
- Maximum steel surface exposed to sun (°C): 85 °C

Relative Humidity:

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



تگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض عمومی و مشترک

CHREW.



شماره صفحه: 5 از 12

		DATA SHEETS FOR WHCP/HPU-WELLHEADS											
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه					
	BK	SSGRI	PEDCO	000	IN	DT	0001	DOS	i				

	WELLHEAD CONTROL PANEL FOR WELL N	O. W018S		
1		WHCP-1101		
2	DIMENSIONS FOR PANEL	VTA		
3	P&ID NO.	BK-W018S-PEDCO-110-PR-PI-0001		
4	HYDRAULIC DIAGRAM NO.	BK-SSGRL-PEDCO-110-IN-DG-0002		
. h		1 WELL/2 VALVE(SSV/SSSV)		
6	AS PER PROJECT REQUIREMENT	REFER TO NOTE 1 IN PAGE 4(GENERAL NOTES)		
7	WELL DESIGN PRESSURE(PSI)	5000		
8	WELL OPERATING PRESSURE(PSI)	650		
9	WELL DESIGN TEMPERATURE(°C)	100		
10	WELL OPERATING TEMPERATURE(°C)	75		
11	SSV SWEPT VOLUME/ CRACK OPEN HYDRAULIC PRESSURE	6000 CC/2500 PSI(NOTE 5)		
		250 CC/5000 PSI(NOTE 5)		
13	SSV OPEN& CLOSE TIME /SSSV OPEN&CLOSE TIME(SECOND)	270 & 14-38/5-10 & 2-5 (NOTE 5)		
14	ACTUATOR HYDRULIC DESIGN PRESSURE	5000 PSI		
15		2500 PSI/3500 PSI (NOTE 5)		
16	SSV MINIMUM WORKING PRESSURE	600 PSI (NOTE 5)		
17	SSV / SSSV CONNECTION SIZE	1/2" / 1/4"(NOTE 5)		
18	IP RATING	IP 65(NOTE 1)		
19	NACE MR0175/ISO 15156 COMPLIANCE	NOT REQUIRED EXCEPT FOR PSHH/ PSLL AS PER BELOW TABLE		
2 DIMENSIONS FOR PANEL 17.4 3. Paids NO. 18.*WINDS SPECICO-110-IP-D-10-00 19. Paids NO. 19. Paid	BOTH TAG AND WELL NUMBER TO BE INCLUDED IN NAME PLATE			
21	MATERIAL OF WHCP AND ALL ACCESSORIES	316 SS (NOTE 1)		
22	PANEL ACCESSORIES	AS MINIMUM AS PER PROJECT (NOTE 1,5)		
23	NUMBER OF OIL TANK/ VOLUME FOR OIL TANK	2 TANKS /ONE AS THE MAIN OIL TANK AND ONE FOR SSSV RETURN LINE (NOTE 9,10)		
24	NUMBER OF ACCUMULATOR	2 NO. FOR HP/MP HFADERS (VTC)		
		N2 DRIVEN AND HAND PUMPS(NOTE 1,3)		
26	PUMP MAX. WORKING PRESSURE	5000 PSI (EACH PUMPS SEPARATELY)		
27	NUMBER OF BOTTLES	VENDOR TO ADVISE (CALCULATION TO BE PROVIDED)(NOTE 2)		
28	DIMENSIONS FOR BOTTLES RACK	VENDOR TO ADVISE(NOTE 2)		
29	PRESSURE GAUGES FOR EACH HEADER			
30	PRESSURE GAUGES ON PANEL FRONT	FRONT FACE MOUNTED, AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)		
31	PRESSURE GAUGES MATERIAL	316 SS (NOTE 1)		
32	DIAL SIZE	60 mm		
33	TUBE SIZE TO SSV/ SSSV(BY WHCP VENDOR)	1/2" / 1/4"(NOTE 5)		
34	TUBE MATERIAL	316 SS (NOTE 1)		
35	TUBE LENGTH FROM WELL TO SSV/ SSSV (BY WHCP VENDOR)	30 m /30 m		
36	TUBE SIZE	1/4"		
37	TUBE LENGTH TO AROUND WELL (BY WHCP VENDOR)	50m		
38	TUBE MATERIAL	316 SS (NOTE 1)		
39	NUMBER OF FUSIBLE PLUG FOR EACH WELL/SET POINT	3 NO. (SET POINT:100°C)		
40		REQUIRED DEDICATED FRONT FACE PUSH BUTTONS AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)		
41	VALVES OPEN & CLOSE FEEDBACK STATUS	REQUIRED DEDICATED FRONT FACE INDICATORS AS PER PROJECT DIAGRAMS(VTC)(NOTE 6,1)		
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	2 DIMENSIONS FOR PANEL 3 PAID NO. 4 HYDRAULIC DIAGRAM NO. 5 NUMBER OF WELLS PER WHCP / NUMBER OF ATUMATIC VALVES PER WELL 6 AS PER PROJECT REQUIREMENT 7 WELL DESIGN PRESSURE(PSI) 8 WELL OPERATING PRESSURE(PSI) 9 WELL OPERATING TEMPERATURE(°C) 10 WELL OPERATING TEMPERATURE(°C) 11 SSV SWEPT VOLUME / CRACK OPEN HYDRAULIC PRESSURE 12 SSSV SWEPT VOLUME / CRACK OPEN HYDRAULIC PRESSURE 13 SSV OPEN& CLOSE TIME /SSSV OPEN&CLOSE TIME(SECOND) 14 SACTUATOR HYDRULIC DESIGN PRESSURE/SSSV MAXIMUM WORKING PRESSURE 15 SSV MAXIMUM WORKING PRESSURE 16 SSV MINIMUM WORKING PRESSURE 17 SSV / SSSV CONNECTION SIZE 18 IP RATING 19 NACE MR0175/ISO 15156 COMPLIANCE 20 NAME PLATE 21 MATERIAL OF WHCP AND ALL ACCESSORIES 22 PANEL ACCESSORIES 23 NUMBER OF OIL TANK/ VOLUME FOR OIL TANK 24 NUMBER OF ACCUMULATOR 25 PUMP REQUIREMENT 26 PUMP MAX. WORKING PRESSURE 27 NUMBER OF BOTTLES 28 DIMENSIONS FOR BOTTLES RACK 29 PRESSURE GAUGES FOR EACH HEADER 30 PRESSURE GAUGES MATERIAL 31 PRESSURE GAUGES MATERIAL 32 DIAL SIZE 33 TUBE SIZE TO SSV/ SSSV(BY WHCP VENDOR) 34 TUBE MATERIAL 35 TUBE LENGTH FROM WELL TO SSSV / SSSV OPEN/CLOSE 37 TUBE LENGTH FOO HEALD SSSV OPEN/CLOSE 38 TUBE SIZE TO SISHE PLUG FOR EACH WELL/SET POINT 40 COMMAND FOR EACH WELL 40 SIZE POSSIVE PLUG FOR EACH WELL/SET POINT 40 ESD RESSET FUNCTION/SSV AND SSSV OPEN/CLOSE 40 COMMAND FOR EACH WELL		



تگهداشت و افزایش تولید میدان نفتی بینک فعالیت های رو زمینی در بسته های کاری تحت الارض عموم و مشتک



سريال

0001

D05



IISOC DATA SHEETS FOR WHCP/HPU-WELLHEADS

DATA SHEETS FOR WHICPHPU-WELLHEADS نوع مدر که رشته تهیالات مادرکننده بست کاری پروزه

BK SSGRL PEDCO 000 IN DT

شماره صفحه: 6 از 12

40 DDE	ECCLIDE CWITCHES FOR DRESSHIPE SENSING LINE	4 NO. FOR EACH PANEL
42 PRE	ESSURE SWITCHES FOR PRESSURE SENSING LINE	4 NO. FOR EACH PAINEL
43 SPA	ARE PARTS FOR COMMISSIONING AND START-UP	REQUIRED(NOTE 1)
44 SPA	ARE PARTS FOR TWO YEARS OPERATION	REQUIRED(NOTE 1)
45 AS F	PER PROJECT REQUIREMENT	REQUIRED(NOTE 1)
46 MA	ANUFACTURER	KARDANAN SHARGH CO.
47 MO	DDEL	400211 (KS Serial No.)
	43 SPA 44 SPA 45 AS 46 MA	43 SPARE PARTS FOR COMMISSIONING AND START-UP 44 SPARE PARTS FOR TWO YEARS OPERATION 45 AS PER PROJECT REQUIREMENT

RELATED DATA SHEETS FOR PRESSURE SENSING LINE AND SWITCHES

		P&IDs No.	OPER. TEMP. (°C)	SERVICE	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSHH-1101A	BK-W018S-PEDCO-110-PR-PI-0001	75		1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1101	100	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	1200
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSLL-1101A	BK-W018S-PEDCO-110-PR-PI-0001	75	SERVICE	1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY PROCESS FLUID FROM MAIN LINE	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1101	100	PROCESS FLOID FROM MAIN LINE	BY VENDOR	SS 316	5000	194.575
		P&IDs No.	OPER. TEMP. (°C)	ordinar.	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSHH-1101B	BK-W018S-PEDCO-110-PR-PI-0001	75	SERVICE	1/2"	CRUDE OIL	242	REQUIRED
-		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1101	100	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	800
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSLL-1101B	BK-W018S-PEDCO-110-PR-PI-0001	75	SERVICE	1/2"	CRUDE OIL	242	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1101	100	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	200

NOTE:

VTA: VENDOR TO ADVISE VTC: VENDOR TO CONFIRM NIA: NOT APPLICABLE

- 1- FOR DETAIL DATA REFER TO DOC.:SPECIFICATION FOR WHCP/HPU, BK-SSGRL-PEDCO-110-IN-SP-0001.
- 2- AS MINIMUM, BOTTLES WITH CAPACITY OF 50 LITER WITH QUANTITY: 4 MAIN BOTTLES AND 4 RESERVED BOTTLES SHALL BE CONSIDERED
- 3- NITROGEN GAS FOR N2 DRIVEN PUMP SUPPLY AT LEAST FOR TWO TIMES ACTUATION OF EACH VALVES (SSV AND SSSV) IS REQUIRED.
- 4- THE WHCP PANEL SHALL BE SUPPLIED WITH "FIRST OUT" FEATURE SO THE PANEL LOGIC SHALL BE DESIGNED IN A MANNER THAT FIRST CAUSE OF PANEL

SHUTDOWN BE DISTINGUISHABLE FOR MAINTENANCE PURPOSES.

- 5- TO BE FINALIZED BASED ON SSV/SSSV VENDOR FINAL DATA BOOK.
- 6- REFER TO "WHCP HYDRAULIC DIAGRAM, BK-SSGRL-PEDCO-110-IN-DG-0002".
- 7- ALL TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE SUPPLIED BY WHCP VENDOR
- B- THE QUANTITY OF TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE FINALIZED BY WHCP VENDOR.
- 9- THE MINIMUM VOLUME OF OIL TANK(50 LITER) SHALL BE CONSIDERED IN ACCORDANCE TO THE CAPACITY OF SSV/SSSV AND THE HYDRAULIC OIL

LINE.

- 10- QUICK EXAUST VALVE FOR QUICK OPENING OF SSV TO BE CONSIDERED BY WHCP'S VENDOR.
- 11- RETURN LINE FROM SSSV TO REURN OIL TANK TO BE CONSIDERED BY WHCP'S VENDOR.



CHUREN



شخه سریال نو= شماره صفحه: 7 از 12 م001 مفحه: 7

NISOC			DATA SHEETS FOR WHCP/HPU-WELLHEADS								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه		
053 - 073 - 9184		BK	SSGRL	PEDCO	000	IN	DT	0001	D05		

		WELLHEAD CONTROL PANEL FOR WELL NO) W008N
	1	TAG NUMBERS	WHCP-1601
	2	DIMENSIONS FOR PANEL	VTA
GENERAL		P&ID NO.	BK-W008N-PEDCO-110-PR-PI-0001
DATA		HYDRAULIC DIAGRAM NO.	BK-SSGRL-PEDCO-110-IN-DG-0002
	5	NUMBER OF WELLS PER WHCP /NUMBER OF ATUMATIC VALVES PER WELL	1 WELL/2 VALVE(SSV/SSSV)
SITE CONDITION	6	AS PER PROJECT REQUIREMENT	REFER TO NOTE 1 IN PAGE 4(GENERAL NOTES)
	7	WELL DESIGN PRESSURE(PSI)	5000
PROCESS DATA	8	WELL OPERATING PRESSURE(PSI)	650
TROCESS DATA	9	WELL DESIGN TEMPERATURE(°C)	100
	10	WELL OPERATING TEMPERATURE(°C)	75
	11	SSV SWEPT VOLUME/ CRACK OPEN HYDRAULIC PRESSURE	6000 CC/2500 PSI(NOTE 5)
	12	SSSV SWEPT VOLUME / CRACK OPEN HYDRAULIC PRESSURE	250 CC/5000 PSI(NOTE 5)
CCV/CCCV CDEOIE/CATIOA	13	SSV OPEN& CLOSE TIME /SSSV OPEN&CLOSE TIME(SECOND)	270 & 14-38/5-10 & 2-5 (NOTE 5)
SSV/SSSV SPECIFICATION DATA	14	SSV ACTUATOR HYDRULIC DESIGN PRESSURE/SSSV ACTUATOR HYDRULIC DESIGN PRESSURE	5000 PSI
	15	SSV MAXIMUM WORKING PRESSURE/SSSV MAXIMUM WORKING PRESSURE	2500 PSI/3500 PSI (NOTE 5)
		SSV MINIMUM WORKING PRESSURE	600 PSI (NOTE 5)
	17	SSV / SSSV CONNECTION SIZE	1/2" / 1/4"(NOTE 5)
	18	IP RATING	IP 65(NOTE 1)
	19	NACE MR0175/ISO 15156 COMPLIANCE	NOT REQUIRED EXCEPT FOR PSHH/ PSLL AS PER BELOW TABLE
WHCP ENCLOSURE	20	NAME PLATE	BOTH TAG AND WELL NUMBER TO BE INCLUDED IN NAME PLATE
	21	MATERIAL OF WHCP AND ALL ACCESSORIES	316 SS (NOTE 1)
	22	PANEL ACCESSORIES	AS MINIMUM AS PER PROJECT (NOTE 1,5)
	23	NUMBER OF OIL TANK/ VOLUME FOR OIL TANK	2 TANKS /ONE AS THE MAIN OIL TANK AND ONE FOR SSSV RETURN LINE (NOTE 9,10)
	24	NUMBER OF ACCUMULATOR	2 NO. FOR HP/MP HEADERS (VTC)
HPU	25	PUMP REQUIREMENT	N2 DRIVEN AND HAND PUMPS(NOTE 1,3)
	26	PUMP MAX. WORKING PRESSURE	5000 PSI (EACH PUMPS SEPARATELY)
NITROGEN BOTTLES/ PNEUMATIC SUPPLY (PER	27	NUMBER OF BOTTLES	VENDOR TO ADVISE (CALCULATION TO BE PROVIDED)(NOTE 2)
PANEL)	28	DIMENSIONS FOR BOTTLES RACK	VENDOR TO ADVISE(NOTE 2)
(NOTE 1,2)	29	PRESSURE GAUGES FOR EACH HEADER	REQUIRED(NOTE 1)
	30	PRESSURE GAUGES ON PANEL FRONT	FRONT FACE MOUNTED, AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)
PANEL MOUNTED GAUGES	31	PRESSURE GAUGES MATERIAL	316 SS (NOTE 1)
	32	DIAL SIZE	60 mm
	33	TUBE SIZE TO SSV/ SSSV(BY WHCP VENDOR)	1/2" / 1/4"(NOTE 5)
SSV/SSSV COMMAND	34	TUBE MATERIAL	316 SS (NOTE 1)
TUBING(NOTE 8,9)	35	TUBE LENGTH FROM WELL TO SSV/ SSSV (BY WHCP VENDOR)	
	36	TUBE SIZE	1/4"
FUSIBLE PLUG LOOP (NOTE	37	TUBE LENGTH TO AROUND WELL (BY WHCP VENDOR)	50m
8,9)	38	TUBE MATERIAL	316 SS (NOTE 1)
	39	NUMBER OF FUSIBLE PLUG FOR EACH WELL/SET POINT	3 NO. (SET POINT:100°C)
PANEL MOUNTED PUSH BUTTONS	40	ESD RESSET FUNCTION/SSV AND SSSV OPEN/CLOSE COMMAND FOR EACH WELL	REQUIRED DEDICATED FRONT FACE PUSH BUTTONS AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)
	•——	•	



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



DATA SHEETS FOR WHCP/HPU-WELLHEADS

BK SSGRL PEDCO 000 IN DT 0001 D05

PANEL MOUNTED INDICATORS/ LAMPS	41	VALVES OPEN & CLOSE FEEDBACK STATUS	REQUIRED DEDICATED FRONT FACE INDICATORS AS PER PROJECT DIAGRAMS(VTC)(NOTE 6,1)
PRESSURE PILOT	42	PRESSURE SWITCHES FOR PRESSURE SENSING LINE	4 NO. FOR EACH PANEL
SPARE PART	43	SPARE PARTS FOR COMMISSIONING AND START-UP	REQUIRED(NOTE 1)
SPAKE PAKT	44	SPARE PARTS FOR TWO YEARS OPERATION	REQUIRED(NOTE 1)
INSPECTION & TEST	45	AS PER PROJECT REQUIREMENT	REQUIRED(NOTE 1)
PURCHASE	46	MANUFACTURER	KARDANAN SHARGH CO.
PURCHASE	47	MODEL	400214 (KS Serial No.) D05

RELATED DATA SHEETS FOR PRESSURE SENSING LINE AND SWITCHES

		P&IDs No.	OPER. TEMP. (°C)	SERVICE	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSHH-1601A	BK-W008N-PEDCO-110-PR-PI-0001	75		1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1601	100	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	1200
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSLL-1601A	BK-W008N-PEDCO-110-PR-PI-0001	75	SERVICE	1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY PROCESS FLUID FROM MAIN LINE	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1601	100	PROCESS FLUID FROIVI IVIAIN LINE	BY VENDOR	SS 316	5000	200
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSHH-1601B	BK-W008N-PEDCO-110-PR-PI-0001	75	SERVICE	1/2"	CRUDE OIL	230	REQUIRED
1		LINE / EQUIPMENT NO. DSG. TEMP. (°C)		PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1601	100	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	800
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSLL-1601B	BK-W008N-PEDCO-110-PR-PI-0001	75	SERVICE	1/2"	CRUDE OIL	230	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
				PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	200

NOTE:

VTA: VENDOR TO ADVISE VTC: VENDOR TO CONFIRM NIA: NOT APPLICABLE

- 1- FOR DETAIL DATA REFER TO DOC.:SPECIFICATION FOR WHCP/HPU, BK-SSGRL-PEDCO-110-IN-SP-0001.
- 2- AS MINIMUM, BOTTLES WITH CAPACITY OF 50 LITER WITH QUANTITY: 4 MAIN BOTTLES AND 4 RESERVED BOTTLES SHALL BE CONSIDERED
- 3- NITROGEN GAS FOR N2 DRIVEN PUMP SUPPLY AT LEAST FOR TWO TIMES ACTUATION OF EACH VALVES (SSV AND SSSV) IS REQUIRED.
- 4- THE WHCP PANEL SHALL BE SUPPLIED WITH "FIRST OUT" FEATURE SO THE PANEL LOGIC SHALL BE DESIGNED IN A MANNER THAT FIRST CAUSE OF PANEL SHUTDOWN BE DISTINGUISHABLE FOR MAINTENANCE PURPOSES.
- 5- TO BE FINALIZED BASED ON SSV/SSSV VENDOR FINAL DATA BOOK.
- 6- REFER TO "WHCP HYDRAULIC DIAGRAM, BK-SSGRL-PEDCO-110-IN-DG-0002".
- 7- ALL TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE SUPPLIED BY WHCP VENDOR
- 8- THE QUANTITY OF TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE FINALIZED BY WHCP VENDOR.
- 9- THE MINIMUM VOLUME OF OIL TANK(50 LITER) SHALL BE CONSIDERED IN ACCORDANCE TO THE CAPACITY OF SSV/SSSV AND THE HYDRAULIC OIL
- 10- QUICK EXAUST VALVE FOR QUICK OPENING OF SSV TO BE CONSIDERED BY WHCP'S VENDOR.
- 11- RETURN LINE FROM SSSV TO REURN OIL TANK TO BE CONSIDERED BY WHCP'S VENDOR.



المستنونوية HURGAN



شماره صفحه: 9 از 12

		DATA SHEETS FOR WHCP/HPU-WELLHEADS									
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه			
	617	00001	DEDGG	000	11.1	DT	0001				

WELLHEAD CONTROL PANEL FOR WELL NO. W028							
	2	TAG NUMBERS	WHCP-1401				
GENERAL		DIMENSIONS FOR PANEL	VTA				
DATA		P&ID NO. HYDRAULIC DIAGRAM NO.	BK-W028-PEDCO-110-PR-PI-0001 BK-SSGRL-PEDCO-110-IN-DG-0002				
	5	NUMBER OF WELLS PER WHCP / NUMBER OF ATUMATIC VALVES PER WELL	1 WELL/2 VALVE(SSV/SSSV)				
SITE CONDITION	6	AS PER PROJECT REQUIREMENT	REFER TO NOTE 1 IN PAGE 4(GENERAL NOTES)				
	7	WELL DESIGN PRESSURE(PSI)	5000				
	8	WELL OPERATING PRESSURE(PSI)	650				
PROCESS DATA	9	WELL DESIGN TEMPERATURE(°C)	105				
	10	WELL OPERATING TEMPERATURE(°C)	80				
	11	SSV SWEPT VOLUME/ CRACK OPEN HYDRAULIC PRESSURE	6000 CC/2500 PSI(NOTE 5)				
	12	SSSV SWEPT VOLUME / CRACK OPEN HYDRAULIC PRESSURE	19 CC/5000 PSI(NOTE 5)				
	13	SSV OPEN& CLOSE TIME /SSSV OPEN&CLOSE TIME(SECOND)	270 & 14-38/5-10 & 2-5 (NOTE 5)				
SSV/SSSV SPECIFICATION DATA	14	SSV ACTUATOR HYDRULIC DESIGN PRESSURE/SSSV ACTUATOR HYDRULIC DESIGN PRESSURE	5000 PSI				
	15	SSV MAXIMUM WORKING PRESSURE/SSSV MAXIMUM WORKING PRESSURE	2500 PSI/3500 PSI (NOTE 5)				
	16	SSV MINIMUM WORKING PRESSURE	600 PSI (NOTE 5)				
	17	SSV / SSSV CONNECTION SIZE	1/2" / 1/4"(NOTE 5)				
	18	IP RATING	IP 65(NOTE 1)				
	19	NACE MR0175/ISO 15156 COMPLIANCE	NOT REQUIRED EXCEPT FOR PSHH/ PSLL AS PER BELOW TABLE				
WHCP ENCLOSURE	20	NAME PLATE	BOTH TAG AND WELL NUMBER TO BE INCLUDED IN NAME PLATE				
	21	MATERIAL OF WHCP AND ALL ACCESSORIES	316 SS (NOTE 1)				
	22	PANEL ACCESSORIES	AS MINIMUM AS PER PROJECT (NOTE 1,5)				
	23	NUMBER OF OIL TANK/ VOLUME FOR OIL TANK	2 TANKS /ONE AS THE MAIN OIL TANK AND ONE FOR SSSV RETURN LINE (NOTE 9,10)				
	24	NUMBER OF ACCUMULATOR	2 NO. FOR HP/MP HEADERS (VTC)				
HPU	25	PUMP REQUIREMENT	N2 DRIVEN AND HAND PUMPS(NOTE 1,3)				
	26	PUMP MAX. WORKING PRESSURE	5000 PSI (EACH PUMPS SEPARATELY)				
NITROGEN BOTTLES/ PNEUMATIC SUPPLY (PER	27	NUMBER OF BOTTLES	VENDOR TO ADVISE (CALCULATION TO BE PROVIDED)(NOTE 2)				
PANEL)	28	DIMENSIONS FOR BOTTLES RACK	VENDOR TO ADVISE(NOTE 2)				
(NOTE 1,2)	29	PRESSURE GAUGES FOR EACH HEADER	REQUIRED(NOTE 1)				
DANIEL MOUNTED CALLOSS	30	PRESSURE GAUGES ON PANEL FRONT	FRONT FACE MOUNTED, AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)				
PANEL MOUNTED GAUGES	31	PRESSURE GAUGES MATERIAL	316 SS (NOTE 1)				
	32	DIAL SIZE	60 mm				
	33	TUBE SIZE TO SSV/ SSSV(BY WHCP VENDOR)	1/2" / 1/4"(NOTE 5)				
SSV/SSSV COMMAND	34	TUBE MATERIAL	316 SS (NOTE 1)				
TUBING(NOTE 8,9)	35	TUBE LENGTH FROM WELL TO SSV/ SSSV (BY WHCP VENDOR)	30 m /30 m				
	36	TUBE SIZE	1/4"				
FUSIBLE PLUG LOOP (NOTE	37	TUBE LENGTH TO AROUND WELL (BY WHCP VENDOR)	50m				
8,9)	38	TUBE MATERIAL	316 SS (NOTE 1)				
	39	NUMBER OF FUSIBLE PLUG FOR EACH WELL/SET POINT	3 NO. (SET POINT:100°C)				
PANEL MOUNTED PUSH BUTTONS	40	ESD RESSET FUNCTION/SSV AND SSSV OPEN/CLOSE COMMAND FOR EACH WELL	REQUIRED DEDICATED FRONT FACE PUSH BUTTONS AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)				
PANEL MOUNTED INDICATORS/ LAMPS	41	VALVES OPEN & CLOSE FEEDBACK STATUS	REQUIRED DEDICATED FRONT FACE INDICATORS AS PER PROJECT DIAGRAMS(VTC)(NOTE 6,1)				



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

IN

DT

0001

D05

000



شماره صفحه: 10 از 12

SHO NO	عمومي و مشتر ک
NISOC	DATA SHEETS FOR WHCP/HPU-WELLHEADS

PEDCO

SSGRL

BK

PRESSURE PILOT	42	PRESSURE SWITCHES FOR PRESSURE SENSING LINE	4 NO. FOR EACH PANEL
SPARE PART	43	SPARE PARTS FOR COMMISSIONING AND START-UP	REQUIRED(NOTE 1)
SFARL FART	44	SPARE PARTS FOR TWO YEARS OPERATION	REQUIRED(NOTE 1)
INSPECTION & TEST	45	AS PER PROJECT REQUIREMENT	REQUIRED(NOTE 1)
DUDCHASE	46	MANUFACTURER	FINALIZED BASED ON VENDOR DATA
PURCHASE	47	MODEL	FINALIZED BASED ON VENDOR DATA

RELATED DATA SHEETS FOR PRESSURE SENSING LINE AND SWITCHES

		P&IDs No.	OPER. TEMP. (°C)	SERVICE	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSHH-1401A	BK-W028-PEDCO-110-PR-PI-0001	80		1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY PROCESS FLUID FROM MAIN LINE	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
<u> </u>		WHCP-1401	105		BY VENDOR	SS 316	5000	1200
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSLL-1401A	SERVICE BK-W028-PEDCO-110-PR-PI-0001 80		SERVICE	1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1401	105	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	200
		P&IDs No.	OPER. TEMP. (°C)	SERVICE	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	PSHH-1401B	BK-W028-PEDCO-110-PR-PI-0001	80	SERVICE	1/2"	CRUDE OIL	273	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1401	105	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	800
		P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
TAG NO.	ON PSLL-1401B	BK-W028-PEDCO-110-PR-PI-0001	80	SERVICE	1/2"	CRUDE OIL	273	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1401		PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	200

NOTE:

VTA: VENDOR TO ADVISE VTC: VENDOR TO CONFIRM NIA: NOT APPLICABLE

- 1- FOR DETAIL DATA REFER TO DOC.:SPECIFICATION FOR WHCP/HPU, BK-SSGRL-PEDCO-110-IN-SP-0001.
- 2- AS MINIMUM, BOTTLES WITH CAPACITY OF 50 LITER WITH QUANTITY: 4 MAIN BOTTLES AND 4 RESERVED BOTTLES SHALL BE CONSIDERED
- 3- NITROGEN GAS FOR N2 DRIVEN PUMP SUPPLY AT LEAST FOR TWO TIMES ACTUATION OF EACH VALVES (SSV AND SSSV) IS REQUIRED.
- 4- THE WHCP PANEL SHALL BE SUPPLIED WITH "FIRST OUT" FEATURE SO THE PANEL LOGIC SHALL BE DESIGNED IN A MANNER THAT FIRST CAUSE OF PANEL SHUTDOWN BE DISTINGUISHABLE FOR MAINTENANCE PURPOSES.
- 5- TO BE FINALIZED BASED ON SSV/SSSV VENDOR FINAL DATA BOOK.
- 6- REFER TO "WHCP HYDRAULIC DIAGRAM, BK-SSGRL-PEDCO-110-IN-DG-0002".
- 7- ALL TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE SUPPLIED BY WHCP VENDOR
- 8- THE QUANTITY OF TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE FINALIZED BY WHCP VENDOR.
- 9- THE MINIMUM VOLUME OF OIL TANK(50 LITER) SHALL BE CONSIDERED IN ACCORDANCE TO THE CAPACITY OF SSV/SSSV AND THE HYDRAULIC OIL LINE.
- 10- QUICK EXAUST VALVE FOR QUICK OPENING OF SSV TO BE CONSIDERED BY WHCP'S VENDOR.
- 11- RETURN LINE FROM SSSV TO REURN OIL TANK TO BE CONSIDERED BY WHCP'S VENDOR.



عمومی و مشترک

WINEW



شماره صفحه: 11 از 12

NISOC			DATA SHEETS FOR WHCP/HPU-WELLHEADS						
	شماره پیمان:	پروژه	سریال نوع مدرک رشته تسهیلات صادرکننده بسته کاری پر						
053 - 073 - 9184		BK	SSGRL	PEDCO	000	IN	DT	0001	D05

WELLHEAD CONTROL PANEL FOR WELL NO. W035							
	1	TAG NUMBERS	WHCP-1501				
		DIMENSIONS FOR PANEL	VTA				
GENERAL DATA		P&ID NO.	BK-W035-PEDCO-110-PR-PI-0001				
DATA	4	HYDRAULIC DIAGRAM NO.	BK-SSGRL-PEDCO-110-IN-DG-0002				
	5	NUMBER OF WELLS PER WHCP /NUMBER OF ATUMATIC VALVES PER WELL	1 WELL/2 VALVE(SSV/SSSV)				
SITE CONDITION	6	AS PER PROJECT REQUIREMENT	REFER TO NOTE 1 IN PAGE 4(GENERAL NOTES)				
	7	WELL DESIGN PRESSURE(PSI)	5000				
PROCESS DATA	8	WELL OPERATING PRESSURE(PSI)	650				
	9	WELL DESIGN TEMPERATURE(°C)	105				
	10	WELL OPERATING TEMPERATURE(°C)	80				
	11	SSV SWEPT VOLUME/ CRACK OPEN HYDRAULIC PRESSURE	6000 CC/2500 PSI(NOTE 5)				
	12	SSSV SWEPT VOLUME / CRACK OPEN HYDRAULIC PRESSURE	19 CC/5000 PSI(NOTE 5)				
	13	SSV OPEN& CLOSE TIME /SSSV OPEN&CLOSE TIME(SECOND)	270 & 14-38/5-10 & 2-5 (NOTE 5)				
SSV/SSSV SPECIFICATION DATA	14	SSV ACTUATOR HYDRULIC DESIGN PRESSURE/SSSV ACTUATOR HYDRULIC DESIGN PRESSURE	5000 PSI				
	15	SSV MAXIMUM WORKING PRESSURE/SSSV MAXIMUM WORKING PRESSURE	2500 PSI/3500 PSI (NOTE 5)				
	16	SSV MINIMUM WORKING PRESSURE	600 PSI (NOTE 5)				
	14	SSV / SSSV CONNECTION SIZE	1/2" / 1/4"(NOTE 5)				
	15	IP RATING	IP 65(NOTE 1)				
	16	NACE MR0175/ISO 15156 COMPLIANCE	NOT REQUIRED EXCEPT FOR PSHH/ PSLL AS PER BELOW TABLE				
WHCP ENCLOSURE	17	NAME PLATE	BOTH TAG AND WELL NUMBER TO BE INCLUDED IN NAME PLATE				
	18	MATERIAL OF WHCP AND ALL ACCESSORIES	316 SS (NOTE 1)				
	19	PANEL ACCESSORIES	AS MINIMUM AS PER PROJECT (NOTE 1,5)				
	20	NUMBER OF OIL TANK/ VOLUME FOR OIL TANK	2 TANKS /ONE AS THE MAIN OIL TANK AND ONE FOR SSSV RETURN LINE (NOTE 9,10)				
LIDII	21	NUMBER OF ACCUMULATOR	2 NO. FOR HP/MP HEADERS (VTC)				
HPU	22	PUMP REQUIREMENT	N2 DRIVEN AND HAND PUMPS(NOTE 1,3)				
	23	PUMP MAX. WORKING PRESSURE	5000 PSI (EACH PUMPS SEPARATELY)				
NITROGEN BOTTLES/ PNEUMATIC SUPPLY (PER	24	NUMBER OF BOTTLES	VENDOR TO ADVISE (CALCULATION TO BE PROVIDED)(NOTE 2)				
PANEL)	25	DIMENSIONS FOR BOTTLES RACK	VENDOR TO ADVISE(NOTE 2)				
(NOTE 1,2)	26	PRESSURE GAUGES FOR EACH HEADER	REQUIRED(NOTE 1)				
	27	PRESSURE GAUGES ON PANEL FRONT	FRONT FACE MOUNTED, AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)				
PANEL MOUNTED GAUGES	28	PRESSURE GAUGES MATERIAL	316 SS (NOTE 1)				
	29	DIAL SIZE	60 mm				
	30	TUBE SIZE TO SSV/ SSSV(BY WHCP VENDOR)	1/2" / 1/4"(NOTE 5)				
SSV/SSSV COMMAND	31	TUBE MATERIAL	316 SS (NOTE 1)				
TUBING(NOTE 8,9)	32	TUBE LENGTH FROM WELL TO SSV/ SSSV (BY WHCP VENDOR)	30 m /30 m				
	33	TUBE SIZE	1/4"				
FUSIBLE PLUG LOOP (NOTE	34	TUBE LENGTH TO AROUND WELL (BY WHCP VENDOR)	50m				
8,9)	35	TUBE MATERIAL	316 SS (NOTE 1)				
	36	NUMBER OF FUSIBLE PLUG FOR EACH WELL/SET POINT	3 NO. (SET POINT:100°C)				
PANEL MOUNTED PUSH BUTTONS	37	ESD RESSET FUNCTION/SSV AND SSSV OPEN/CLOSE COMMAND FOR EACH WELL	REQUIRED DEDICATED FRONT FACE PUSH BUTTONS AS PER PROJECT DIAGRAMS (VTC)(NOTE 6,1)				
PANEL MOUNTED INDICATORS/ LAMPS	38	VALVES OPEN & CLOSE FEEDBACK STATUS	REQUIRED DEDICATED FRONT FACE INDICATORS AS PER PROJECT DIAGRAMS(VTC)(NOTE 6,1)				



عمومی و مشترک



شماره صفحه: 12 از 12

NISOC		DATA SHEETS FOR WHCP/HPU-WELLHEADS							
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
053 - 073 0184		BK	SSCDI	DEDCO	000	INI	DT	0001	DOS

PRESSURE PILOT	39	PRESSURE SWITCHES FOR PRESSURE SENSING LINE	4 NO. FOR EACH PANEL					
CDADE DADT	40	SPARE PARTS FOR COMMISSIONING AND START-UP	REQUIRED(NOTE 1)					
SPARE PART	41	SPARE PARTS FOR TWO YEARS OPERATION	REQUIRED(NOTE 1)					
INSPECTION & TEST	42	AS PER PROJECT REQUIREMENT	REQUIRED(NOTE 1)					
PURCHASE	43	MANUFACTURER	FINALIZED BASED ON VENDOR DATA					
PURCHASE		MODEL	FINALIZED BASED ON VENDOR DATA					
	DELATED DATA CHIFTE FOR DRESCHOE CENICING HINE AND CANTELES							

RELATED DATA SHEETS FOR PRESSURE SENSING LINE AND SWITCHES

TAG NO.	PSHH-1501A	P&IDs No.	OPER. TEMP. (°C)	SERVICE	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
		BK-W035-PEDCO-110-PR-PI-0001	80		1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1501	105	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	1200
TAG NO.	PSLL-1501A	P&IDs No.	OPER. TEMP. (°C)	orpwor	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
		BK-W035-PEDCO-110-PR-PI-0001	80	SERVICE	1/2"	CRUDE OIL	635.2	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY PROCESS FLUID FROM MAIN LINE	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1501	105	T ROCESS TEOLD TROWN WHAT EINE	BY VENDOR	SS 316	5000	200
TAG NO.	PSHH-1501B	P&IDs No.	OPER. TEMP. (°C)		PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
		BK-W035-PEDCO-110-PR-PI-0001	80	SERVICE	1/2"	CRUDE OIL	298	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1501	105	PROCESS FLUID FROM MAIN LINE	BY VENDOR	SS 316	5000	800
TAG NO.	PSLL-1501B	P&IDs No.	OPER. TEMP. (°C)	SERVICE	PROCESS CON. OF SENSING LINE TO THE PIPE	FLUID	OPER. PRESS. (PSIG)	OVER RANGE PROT.
		BK-W035-PEDCO-110-PR-PI-0001	80		1/2"	CRUDE OIL	298	REQUIRED
		LINE / EQUIPMENT NO.	DSG. TEMP. (°C)	PNEUMATIC LOGIC LINE(N2) OF WELLHEAD PANEL ACTUATED BY PROCESS FLUID FROM MAIN LINE	PRESS. ELEM.TYPE	PRESS. ELEM. MTR.	DESIGN PRESS. (PSIG)	SET POINT (PSIG)
		WHCP-1501	105		BY VENDOR	SS 316	5000	200

NOTE:

VTA: VENDOR TO ADVISE VTC: VENDOR TO CONFIRM NIA: NOT APPLICABLE

- 1- FOR DETAIL DATA REFER TO DOC.:SPECIFICATION FOR WHCP/HPU, BK-SSGRL-PEDCO-110-IN-SP-0001.
- 2- AS MINIMUM, BOTTLES WITH CAPACITY OF 50 LITER WITH QUANTITY: 4 MAIN BOTTLES AND 4 RESERVED BOTTLES SHALL BE CONSIDERED
- 3- NITROGEN GAS FOR N2 DRIVEN PUMP SUPPLY AT LEAST FOR TWO TIMES ACTUATION OF EACH VALVES (SSV AND SSSV) IS REQUIRED.
- 4- THE WHCP PANEL SHALL BE SUPPLIED WITH "FIRST OUT" FEATURE SO THE PANEL LOGIC SHALL BE DESIGNED IN A MANNER THAT FIRST CAUSE OF PANEL

SHUTDOWN BE DISTINGUISHABLE FOR MAINTENANCE PURPOSES.

- 5- TO BE FINALIZED BASED ON SSV/SSSV VENDOR FINAL DATA BOOK.
- 6- REFER TO "WHCP HYDRAULIC DIAGRAM, BK-SSGRL-PEDCO-110-IN-DG-0002".
- 7- ALL TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE SUPPLIED BY WHCP VENDOR
- 8- THE QUANTITY OF TUBE AND ACCESSORIES FOR SSV/SSSV, FUSIBLE PLUG AND INTERCONNECTION ON WHCP SHALL BE FINALIZED BY WHCP VENDOR.
- 9- THE MINIMUM VOLUME OF OIL TANK(50 LITER) SHALL BE CONSIDERED IN ACCORDANCE TO THE CAPACITY OF SSV/SSSV AND THE HYDRAULIC OIL
- 10- QUICK EXAUST VALVE FOR QUICK OPENING OF SSV TO BE CONSIDERED BY WHCP'S VENDOR.
- 11- RETURN LINE FROM SSSV TO REURN OIL TANK TO BE CONSIDERED BY WHCP'S VENDOR.