W008N
BINAK PRODUCTION WELL
DESIGN PRESS. : 5000 PSIA
DESIGN TEMP. : 100 °C

WHCP-1600
WELLHEAD CONTROL PANEL
DESIGN PRESS. : 5000 PSIA
DESIGN TEMP. : 100 °C

ST-1601
STONE TRAP
DESIGN PRESS. : 3000 PSIA
DESIGN TEMP. : 100 °C

WELLHEAD CONTROL PANEL HYDRAULIC DIAGRAM FOR NEW WELLS NOs. (W008N)

TO FUSIBLE PLUG LOOPS (3 NO.)
1 IN TOP OF X-MASS TREE, 2 IN CELLAR
(NOTE-4)

(NOTE-5)

WHCP-1601
WELLHEAD CONTROL PANEL
(WHCP)
(NOTE-3)

NITROGEN GAS FOR MAIN HEADER — PAL 1601H
HYDRAULIC SUPPLY PRESSURE — PG 1601A
HYDRAULIC PRESSURE TO S.S.S.V — PG 1601B
S.S.S.V OPEN/CLOSE BUTTON — HS 1601A
INDICATOR FOR S.S.S.V OPEN/CLOSE — ZI 1601A
NITROGEN GAS FOR SECOND HEADER — PAL 1601I
REGULATED HYDRAULIC PRESSURE — PG 1601C
HYDRAULIC PRESSURE TO S.S.V. — PG 1601D
S.S.V OPEN/CLOSE BUTTON — HS 1601B
INDICATOR FOR S.S.V OPEN/CLOSE — ZI 1601B
N2 HEADER SUPPLY PRESSURE — PG 1601E
CONTROL HOLDING PRESSURE — PG 1601F
FLOWLINE HH PRESSURE BEFORE CHOKE — PAHH 1601A
FLOWLINE LL PRESSURE BEFORE CHOKE — PALL 1601A
FLOWLINE HH PRESSURE AFTER CHOKE — PAHH 1601B
FLOWLINE LL PRESSURE AFTER CHOKE — PALL 1601B

ESD\FUSIBLE LINE CHARGE — HS 1601C
EMERGENCY SHUTDOWN — HS 1601D
ESD\FUSIBLE LINE PRESSURE — PG 1601C
RESET PUSH BUTTOM — HS 1601E

RETURN HYDRAULIC RESERVOIR — LG 1601A
FRESH HYDRAULIC RESERVOIR — LG 1601B

SSSV/SSV/FUSIBLE PLUG NITROGEN BACKUP PRESSURE BANKS — PSL 1601H, PG 1601H, PSL 1601I, PG 1601I
HYDRAULIC BACK-UP N2 BANK (NOTE 7)
(NOTES-5,6,8)

(NOTE-14) PSHH 1601A, (NOTE-14) PSLL 1601A, (NOTE-14) PSHH 1601B, (NOTE-14) PSLL 1601B

PRESSURE SENSING LINE
CRUDE OIL BEFORE CHOKE FALNGE
CRUDE OIL AFTER CHOKE FLANGE

PG 1601
(NOTE 17) 1" SC
CRD-110-164-MN17-6"-PT
CRD-110-163-LN17-4"-PT
CRD-110-160-LN17-6"-PT
CRD-110-162-AN15-4"-PT (NOTE 12) (NOTE 16) (NOTE 15)
CRD-110-161-LN17-6"-PT
CRD-110-165-LN15-6"-PT

7 1/16"-5000
(NOTES-1,2)
6"-5000
5000 API | 3000 API
MN17 LN17
6"-5000 PSI
SSV
SSSV

ST-1601
CHOKE FLANGE
4"-3000 PSI
LN17 AN15
PG 1603
1" CHOKE FLANGE
PRESSURE SENSING LINE (NOTE 13)

TG 1601
TW 1601
1 1/2"
PC 1602
1"
Min. Dist.
Fence
(NOTE 16)
LN17 LN15
6"-3000 PSI

BURN PIT

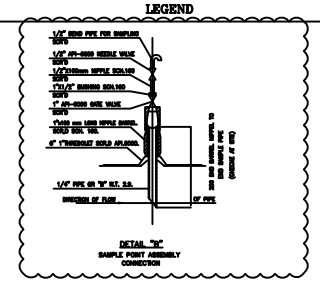
6" OIL TO Extension of Binak B/C Manifold
BK-W0079-PEDCO-110-PR-PI-0001-3/3

W008N
WELLHEAD
(SUB SURFACE SCOPE OF WORK)

NOTES

1. EQUIPMENT & PACKAGES ARE TO BE INSTALLED OUTSIDE THE SAFETY RADIUS OF X-MASS TREE.
2. SHUTDOWN SEQUENCE IS SSV FIRST AND THEN SSSV.
3. HYDRAULIC DIAGRAM DETAIL / INDICATOR AND PUSH BOTTOM WILL BE FINALIZED BY WHCP VENDOR AND CLIENT APPROVAL.
4. IN CASE OF FIRE, FUSIBLE PLUGS WILL ACTIVATE SHUT DOWN AT WELLHEADS THROUGH WHCP HYDRAULICALLY.
5. BY WHCP VENDOR.
6. CHARGEABLE NITROGEN BANK BY WHCP VENDOR. CONNECTION FOR ONE MANUAL HAND PUMPS (MAX. WORKING PRESSURE 5000 PSI) TO BE CONSIDERED.
7. FIRST OUT INDICATION SHALL BE CONSIDERED FOR WHCP.
8. NITROGEN BANKS QUANTITY, CAPACITY AND PRESSURE SHALL BE CALCULATED BY THE VENDOR .MINIMUM REQUIREMENT OF SPECIFICATION TO BE RESPECTED.
9. DELETED.
10. DELETED.
11. DELETED.
12. PAINTING IS NOT NECESSARY FOR PIPES THAT LOCATED OUTSIDE OF FENCE.
13. FOR INSTRUMENT CONNECTION REFER TO INSTRUMENT HOOK UP DIAGRAM.
14. PENUMATIC LOGIN CONTROL HIGH/LOW SWITCH PACK TO BE PROVIDED/LOCATED INSIDE WHCP BY VENDOR.
15. ACCORDING TO THE GRADIENT OF THE BURN PIT PIPELINE, IT IS CONSIDERED ONE LOCAL DRAIN IN THE WELL PAD AREA.
16. ACCORDING TO STANDARD DRAWING S5L9002, THESE FLANGES ARE 3000 API.
17. A 1" BLIND CONNECTION SHOULD BE CONSIDERED ON SC.

LEGEND



REFERENCE DRAWING	DRG. No.
Symbol & Legend For PFD and P&ID	BK-SSGNL-PEDCO-110-PR-PI-0001
Process Basis Of Design	BK-GNRAL-PEDCO-000-PR-DB-0001
Production Facilities Standard Drawing	SSL9002

KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D06	MAY.2023	IFA	M.ARYAFAR	M.FAKHARIAN	A.M.MOHSENI	**.**
D05	FEB.2023	IFA	M.ARYAFAR	M.FAKHARIAN	M.MEHRSHAD	**.**
D04	SEP.2022	IFA	M.ARYAFAR	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	FEB.2022	IFA	M.ARYAFAR	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	DEC.2021	IFA	M.ARYAFAR	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	OCT.2021	IFC	M.ARYAFAR	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	AUG.2021	IFC	M.ASGHARNEJAD	M.FAKHARIAN	SH.GHALIKAR	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W008N WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
W008N WELLHEAD FACILITIES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION | BY: | DATE:

(VENDOR TITLE BLOCK)**

DRAWING TITLE: P&ID – W008N

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-W008N-PEDCO-110-PR-PI-0001	1 OF 1	D06

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
F2A-707832	F	2	A	707832	1	D06