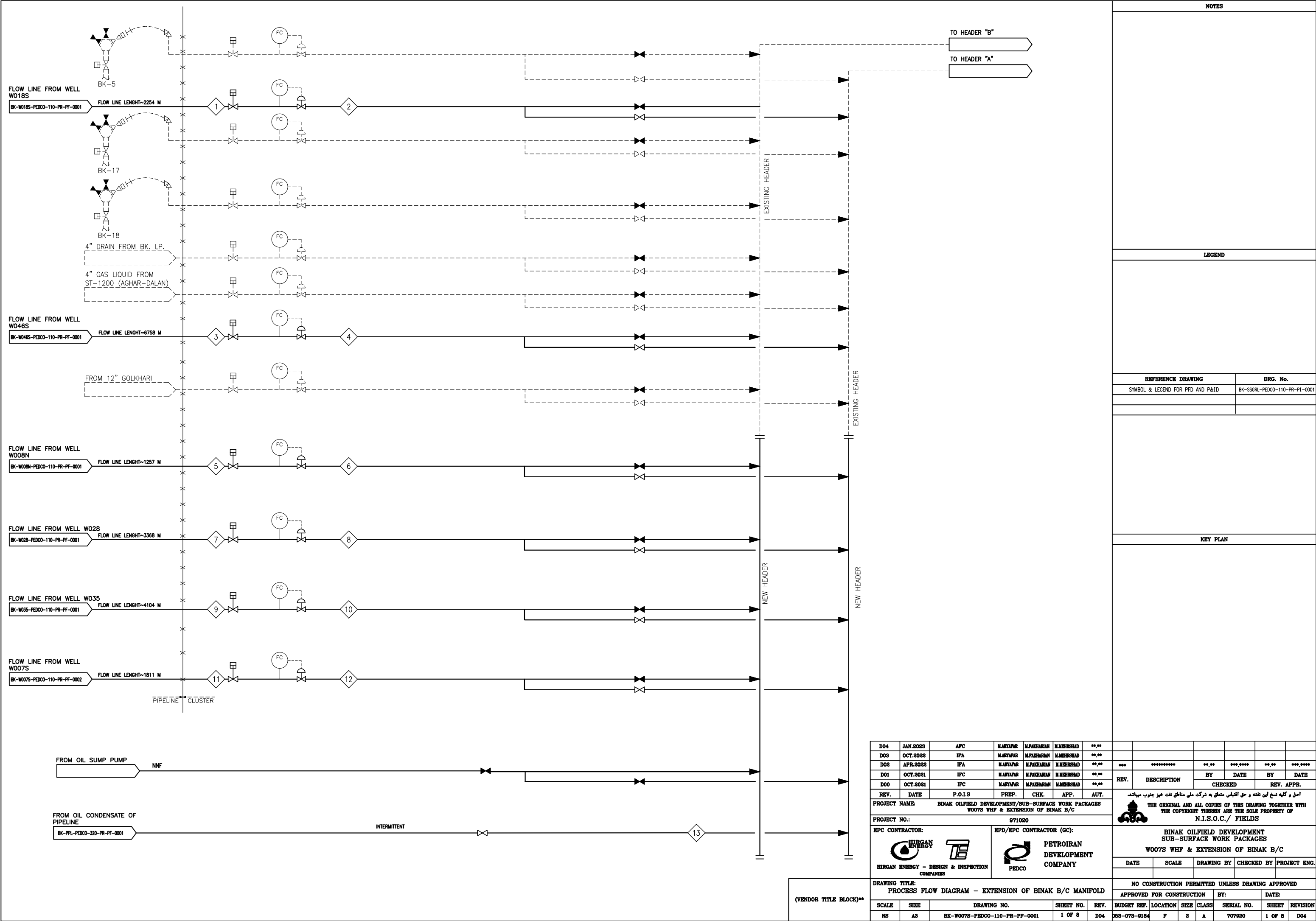




Name	MANIFOLD-SUMMER-W046S		MANIFOLD-WINTER-W046S	
Stream No.	3	4	3	4
Vapour Fraction	0.06	0.06	0.06	0.06
Temperature [C]	31.60	31.37	15.20	15.00
Pressure [barg]	12.78	10.78	12.78	10.78
Molecular Weight	39.09	39.09	39.09	39.09
Molar Flow [MMSCFD]	8.95	8.95	8.95	8.95
Mass Flow [kg/h]	17421.9	17421.9	17421.9	17421.9
Liq Vol Flow @Std Cond [barrel/day]	2716.7	2716.7	2716.7	2716.7
Mass Density [kg/m3]	267.69	230.10	297.06	255.81
Viscosity [cP] [V/L]	0.011/6.76	0.011/7.02	0.011/8.62	0.011/8.95
Water Cut [%]	40	40	40	40
Master Comp Mole Frac (H2S)	0.000097	0.000097	0.000097	0.000097
Master Comp Mole Frac (N2)	0.002850	0.002850	0.002850	0.002850
Master Comp Mole Frac (CO2)	0.000515	0.000515	0.000515	0.000515
Master Comp Mole Frac (Methane)	0.045315	0.045315	0.045315	0.045315
Master Comp Mole Frac (Ethane)	0.015685	0.015685	0.015685	0.015685
Master Comp Mole Frac (Propane)	0.012673	0.012673	0.012673	0.012673
Master Comp Mole Frac (i-Butane)	0.002367	0.002367	0.002367	0.002367
Master Comp Mole Frac (n-Butane)	0.006699	0.006699	0.006699	0.006699
Master Comp Mole Frac (i-Pentane)	0.002190	0.002190	0.002190	0.002190
Master Comp Mole Frac (n-Pentane)	0.002190	0.002190	0.002190	0.002190
Master Comp Mole Frac (n-Hexane)	0.008760	0.008760	0.008760	0.008760
Master Comp Mole Frac (n-Heptane)	0.010048	0.010048	0.010048	0.010048
Master Comp Mole Frac (n-Octane)	0.006135	0.006135	0.006135	0.006135
Master Comp Mole Frac (n-Nonane)	0.005298	0.005298	0.005298	0.005298
Master Comp Mole Frac (n-Decane)	0.004944	0.004944	0.004944	0.004944
Master Comp Mole Frac (n-C11)	0.004155	0.004155	0.004155	0.004155
Master Comp Mole Frac (C12+ _1*)	0.838984	0.838984	0.838984	0.838984
Master Comp Mole Frac (H2O)	0.031095	0.031095	0.031095	0.031095

NOTES									
LEGEND									
REFERENCE DRAWING					DRG. No.				
SYMBOL & LEGEND FOR PFD AND P&ID					BK-SSGRL-PEDCO-110-PR-PI-0001				
KEY PLAN									
000	0000000000	00_00	000_0000	00_00	000_0000				
REV.	DESCRIPTION	BY	DATE	BY	DATE				
			CHECKED		REV. APPR.				
اصل و کاپیه نسخ این نقشه و حق انقباض متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.									
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C									
DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
APPROVED FOR CONSTRUCTION				BY:			DATE:		
BUDGET REF.		LOCATION		SIZE CLASS		SERIAL NO.		SHEET REVISION	
063-073-9184		F		2 A		707920		3 OF 8 D04	

(VENDOR TITLE BLOCK)**

707920	3 OF 8	D04
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Name	MANIFOLD-SUMMER-W007S		MANIFOLD-WINTER-W007S	
Stream No.	11	12	11	12
Vapour Fraction	0.06	0.07	0.06	0.06
Temperature [C]	41.77	41.52	22.21	22.00
Pressure [barg]	12.78	10.78	12.78	10.78
Molecular Weight	39.09	39.09	39.09	39.09
Molar Flow [MMSCFD]	5.96	5.96	5.96	5.96
Mass Flow [kg/h]	11614.6	11614.6	11614.6	11614.6
Liq Vol Flow @Std Cond [barrel/day]	1811.1	1811.1	1811.1	1811.1
Mass Density [kg/m3]	251.55	215.97	283.94	244.31
Viscosity [cP] [V/L]	0.011/5.957	0.011/6.176	0.011/7.76	0.011/8.05
Water Cut [%]	40	40	40	40
Master Comp Mole Frac (H2S)	0.000097	0.000097	0.000097	0.000097
Master Comp Mole Frac (N2)	0.002850	0.002850	0.002850	0.002850
Master Comp Mole Frac (CO2)	0.000515	0.000515	0.000515	0.000515
Master Comp Mole Frac (Methane)	0.045315	0.045315	0.045315	0.045315
Master Comp Mole Frac (Ethane)	0.015685	0.015685	0.015685	0.015685
Master Comp Mole Frac (Propane)	0.012673	0.012673	0.012673	0.012673
Master Comp Mole Frac (i-Butane)	0.002367	0.002367	0.002367	0.002367
Master Comp Mole Frac (n-Butane)	0.006699	0.006699	0.006699	0.006699
Master Comp Mole Frac (i-Pentane)	0.002190	0.002190	0.002190	0.002190
Master Comp Mole Frac (n-Pentane)	0.002190	0.002190	0.002190	0.002190
Master Comp Mole Frac (n-Hexane)	0.008760	0.008760	0.008760	0.008760
Master Comp Mole Frac (n-Heptane)	0.010048	0.010048	0.010048	0.010048
Master Comp Mole Frac (n-Octane)	0.006135	0.006135	0.006135	0.006135
Master Comp Mole Frac (n-Nonane)	0.005298	0.005298	0.005298	0.005298
Master Comp Mole Frac (n-Decane)	0.004944	0.004944	0.004944	0.004944
Master Comp Mole Frac (n-C11)	0.004155	0.004155	0.004155	0.004155
Master Comp Mole Frac (C12+_1*)	0.838984	0.838984	0.838984	0.838984
Master Comp Mole Frac (H2O)	0.031095	0.031095	0.031095	0.031095

NOTES	

LEGEND	

REFERENCE DRAWING	DRG. No.
SYMBOL & LEGEND FOR PFD AND P&ID	BK-SSGRL-PEDCO-110-PR-PI-0001

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KEY PLAN	

D04	JAN.2023	APC	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00														
D03	OCT.2022	IFA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00														
D02	APR.2022	IFA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00	000	*****	00.00	000.0000	00.00	000.0000								
D01	OCT.2021	IPC	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00	REV.	DESCRIPTION	BY	DATE	BY	DATE								
D00	OCT.2021	IPC	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00					CHECKED		REV.	APPR.						
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS													
PROJECT NAME:						BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C														
PROJECT NO.:						971020														
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			 HURGAN ENERGY - DESIGN & INSPECTION COMPANIES PETROIRAN DEVELOPMENT COMPANY														
 HURGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PEDCO																	
DRAWING TITLE:						NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED														
Process Flow Diagram - Extension of Binak B/C Manifold						APPROVED FOR CONSTRUCTION					BY:	DATE:								
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION							
NS	A3	BK-W007S-PEDCO-110-PR-PF-0001			7 OF 8	D04	063-073-9184	F	2	A	707920	7 OF 8	D04							

(VENDOR TITLE BLOCK)**

Name	OIL CONDENSATE-SUMMER	OIL CONDENSATE-WINTER
Stream No.	13	13
Vapour Fraction	0.00	0.00
Temperature [C]	35.00	8.35
Pressure [barg]	12.78	12.78
Molecular Weight	48.13	47.98
Molar Flow [MMSCFD]	2.98	3.03
Mass Flow [kg/h]	7142.0	7238.0
Liq Vol Flow @Std Cond [barrel/day]	1452.1	1476.9
Mass Density [kg/m3]	692.8	716.7
Master Comp Mole Frac (H2S)	0.014773	0.016991
Master Comp Mole Frac (N2)	0.000000	0.000000
Master Comp Mole Frac (CO2)	0.001358	0.001787
Master Comp Mole Frac (Methane)	0.006447	0.009249
Master Comp Mole Frac (Ethane)	0.015259	0.018081
Master Comp Mole Frac (Propane)	0.038953	0.041306
Master Comp Mole Frac (i-Butane)	0.010908	0.011120
Master Comp Mole Frac (n-Butane)	0.033128	0.033482
Master Comp Mole Frac (i-Pentane)	0.042395	0.042251
Master Comp Mole Frac (n-Pentane)	0.026975	0.026818
Master Comp Mole Frac (n-Hexane)	0.135643	0.134099
Master Comp Mole Frac (n-Heptane)	0.073771	0.072792
Master Comp Mole Frac (n-Octane)	0.040816	0.040246
Master Comp Mole Frac (n-Nonane)	0.025661	0.025297
Master Comp Mole Frac (n-Decane)	0.005922	0.005838
Master Comp Mole Frac (n-C11)	0.002390	0.002356
Master Comp Mole Frac (H2O)	0.525600	0.518287

NOTES					

LEGEND					

REFERENCE DRAWING			DRG. No.		
SYMBOL & LEGEND FOR PFD AND P&ID			BK-SSGRL-PEDCO-110-PR-P1-0001		

KEY PLAN					
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DO4	JAN.2023	APC	M.ARYAPAR	M.PAKHARHAN	M.MEHRSHAD	00.00																					
DO3	OCT.2022	IFA	M.ARYAPAR	M.PAKHARHAN	M.MEHRSHAD	00.00																					
DO2	APR.2022	IFA	M.ARYAPAR	M.PAKHARHAN	M.MEHRSHAD	00.00	000	0000000000	00.00	000.0000	00.00	000.0000															
DO1	OCT.2021	IPC	M.ARYAPAR	M.PAKHARHAN	M.MEHRSHAD	00.00	REV.	DESCRIPTION	BY	DATE	BY	DATE															
DO0	OCT.2021	IPC	M.ARYAPAR	M.PAKHARHAN	M.MEHRSHAD	00.00					CHECKED		REV.	APPR.													
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کاپیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.																				
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C											THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS									
PROJECT NO.:							971020																				
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):				BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C									<table><tr><td>DATE</td><td>SCALE</td><td>DRAWING BY</td><td>CHECKED BY</td><td>PROJECT ENG.</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>		DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.																							
 HURGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY																								
DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																				
Process Flow Diagram - Extension of Binak B/C Manifold							APPROVED FOR CONSTRUCTION											BY:	DATE:								
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET	REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION													
NS	A3	BK-W007S-PEDCO-110-PR-PF-0001			8 OF 8	DO4	063-073-9184	F	2	A	707920	8 OF 8	DO4														

(VENDOR TITLE BLOCK)**