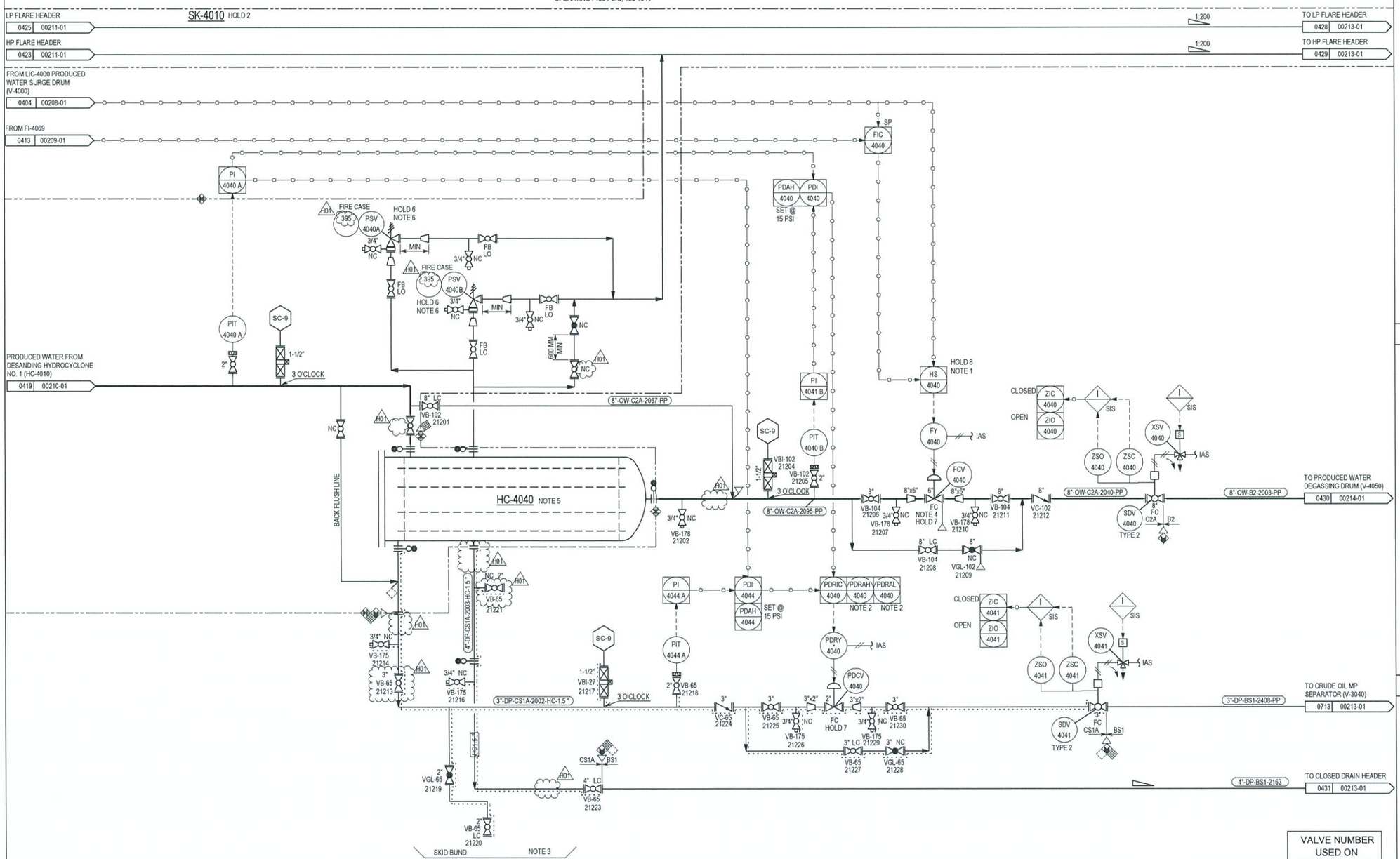
SK-4010
PRODUCED WATER TREATMENT PACKAGE

HC-4040
PRODUCED WATER DEOILING HYDROCYCLONE
SIZE : 30" OD (HOLD 1)
RATING : 22,000 BPD (NORMAL)
DESIGN : 395 PSIG / FV, 240/-20 °F (2X50%)
OPERATING : 135 PSIG, 155-164 F



VALVE NUMBER USED ON THIS DRAWING
21201-21230

GENERAL NOTES:

NOTES:

1. SELECTIONS
   AUTO = CASCADE CONTROL
   FLOW CONTROL = FIC 4040A IS ACTIVE
   LEVEL CONTROL = LIC-4000 IS ACTIVE
2. PRESSURE DIFFERENTIAL RATIO IS THE RATIO BETWEEN PRESSURE DROP FROM THE INLET TO THE OIL REJECT AND THE PRESSURE DROP FROM THE INLET TO THE WATER OUTLET.
3. COMMON SKID BUND TO COVER BOTH DESANDING AND DEOILING HYDROCYCLONES.
4. EROSIVE RESISTANT MATERIAL SHALL BE CONSIDERED.
5. NO. OF LINERS ADDED/BLOCKED MANUALLY TO SUIT PREDOMINANT PRODUCED WATER RATE.
6. 2x100%.

HOLDS:

1. DEOILER HYDROCYCLONE SIZE BY VENDOR.
2. SKID DETAILS.
3. INSTRUMENT TYPE AND SETTING.
4. PIPING CLASS, MATERIAL AND VALVE CODE.
5. DELETED.
6. PSV SIZE.
7. CONTROL VALVE SIZE.
8. HIGH SELECTOR TO OVERRIDE CONTROL OF UPSTREAM / DOWNSTREAM CONTROL VALVE. PROGRAMING TO COVER IN CASE PWIP UPSET AND DIVERT PRODUCED WATER TO FSO. TO BE DISCUSSED IN COA DURING DETAILED ENGINEERING PHASE.

REFERENCE DRAWING:

NO.	DATE	REVISION	DRAWN	CHKED	ENG.	APP'D.
H01	14/03/18	ISSUED FOR DESIGN	PBU	NAK	WEK	THS
F02	29/01/18	ISSUED POST-HAZOP	PBU	NAK	WEK	THS
F01	13/11/17	ISSUED FOR HAZOP	PBU	NAK	WEK	THS
E01	09/10/17	ISSUED FOR COMPANY REVIEW	PBU	NAK	WEK	THS
D01	22/09/17	ISSUED FOR IDC	PBU	NAK	WEK	THS

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WorleyParsons
resources & energy

PROJECT: UBON PROJECT
TITLE: PIPING AND INSTRUMENTATION DIAGRAM PRODUCED WATER DEOILING HYDROCYCLONE NO.1
SCALE: NTS
DRAWING No: UBO-UBPG-PRO-PID-WPT-0000-00212-01
PLATFORM: UBCPP
REVISION: H01