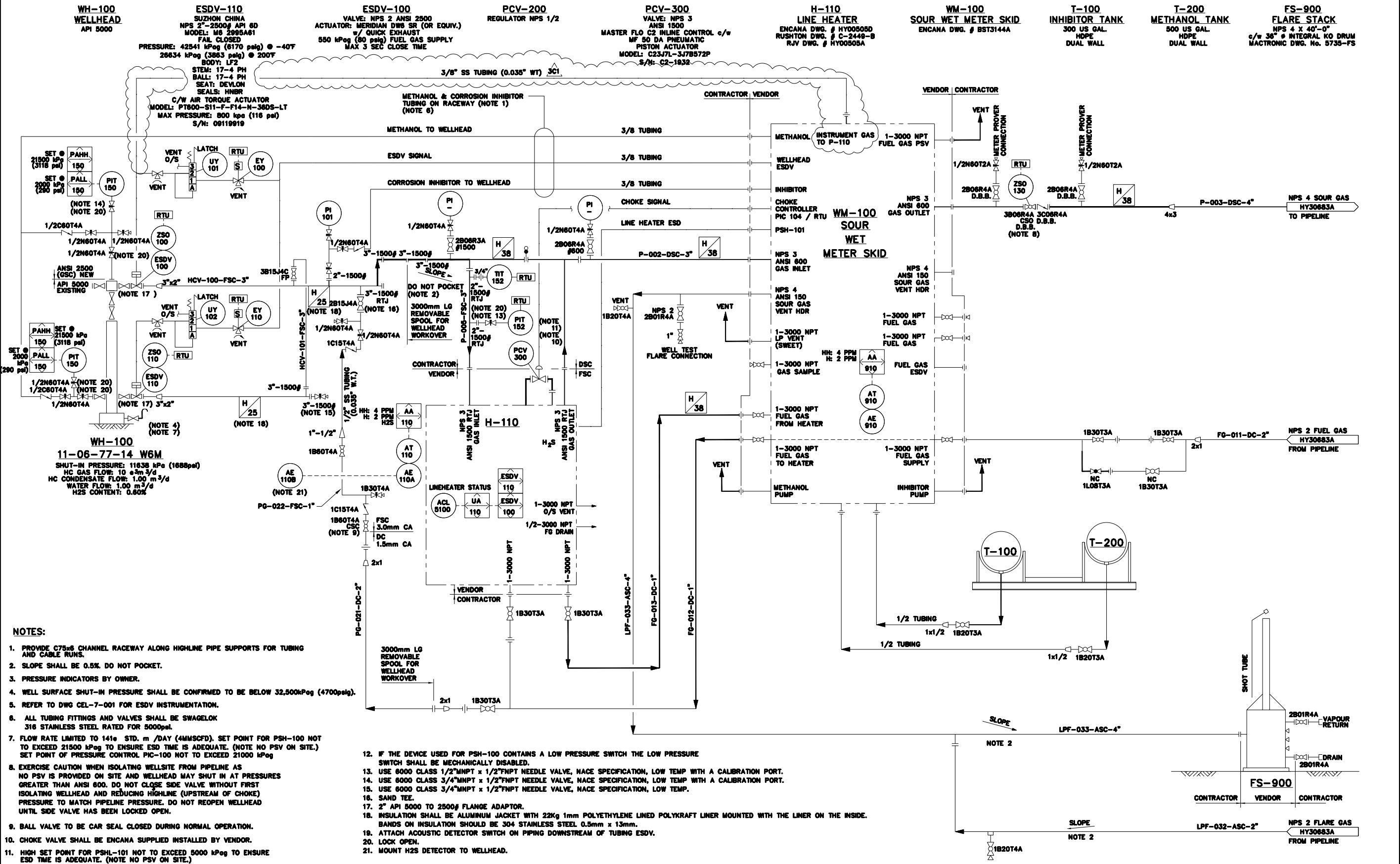




NOTES:

1. PROVIDE C75x8 CHANNEL RACEWAY ALONG HIGHLINE PIPE SUPPORTS FOR TUBING AND CABLE RUNS.
2. SLOPE SHALL BE 0.5% DO NOT POCKET.
3. PRESSURE INDICATORS BY OWNER.
4. WELL SURFACE SHUT-IN PRESSURE SHALL BE CONFIRMED TO BE BELOW 32,500kPag (4700psig).
5. REFER TO DWG CEL-7-001 FOR ESDV INSTRUMENTATION.
6. ALL TUBING FITTINGS AND VALVES SHALL BE SWAGelok 316 STAINLESS STEEL RATED FOR 5000psi.
7. FLOW RATE LIMITED TO 141e STD. m /DAY (4MMSCFD). SET POINT FOR PSH-100 NOT TO EXCEED 21500 kPag TO ENSURE ESD TIME IS ADEQUATE. (NOTE NO PSV ON SITE.) SET POINT OF PRESSURE CONTROL PIC-100 NOT TO EXCEED 21000 kPag
8. EXERCISE CAUTION WHEN ISOLATING WELLSITE FROM PIPELINE AS NO PSV IS PROVIDED ON SITE AND WELLHEAD MAY SHUT IN AT PRESSURES GREATER THAN ANSI 600. DO NOT CLOSE SIDE VALVE WITHOUT FIRST ISOLATING WELLHEAD AND REDUCING HIGHLINE (UPSTREAM OF CHOKE) PRESSURE TO MATCH PIPELINE PRESSURE. DO NOT REOPEN WELLHEAD UNTIL SIDE VALVE HAS BEEN LOCKED OPEN.
9. BALL VALVE TO BE CAR SEAL CLOSED DURING NORMAL OPERATION.
10. CHOKE VALVE SHALL BE ENCANa SUPPLIED INSTALLED BY VENDOR.
11. HIGH SET POINT FOR PSH-101 NOT TO EXCEED 5000 kPag TO ENSURE ESD TIME IS ADEQUATE. (NOTE NO PSV ON SITE.) LOW SET POINT FOR PSH-101 NOT TO BE LOWER THAN 75% OF PIPELINE NORMAL OPERATING PRESSURE (FIELD CONFIRM). SET POINT OF PRESSURE CONTROL PIC-104 NOT TO EXCEED 4950 kPag.
12. IF THE DEVICE USED FOR PSH-100 CONTAINS A LOW PRESSURE SWITCH THE LOW PRESSURE SWITCH SHALL BE MECHANICALLY DISABLED.
13. USE 6000 CLASS 1/2"MNPT x 1/2"FNPT NEEDLE VALVE, NACE SPECIFICATION, LOW TEMP WITH A CALIBRATION PORT.
14. USE 6000 CLASS 3/4"MNPT x 1/2"FNPT NEEDLE VALVE, NACE SPECIFICATION, LOW TEMP WITH A CALIBRATION PORT.
15. USE 6000 CLASS 3/4"MNPT x 1/2"FNPT NEEDLE VALVE, NACE SPECIFICATION, LOW TEMP.
16. SAND TEE.
17. 2" API 5000 TO 2500# FLANGE ADAPTOR.
18. INSULATION SHALL BE ALUMINUM JACKET WITH 22kg 1mm POLYETHYLENE LINED POLYKRAFT LINER MOUNTED WITH THE LINER ON THE INSIDE. BANDS ON INSULATION SHOULD BE 304 STAINLESS STEEL 0.5mm x 13mm.
19. ATTACH ACOUSTIC DETECTOR SWITCH ON PIPING DOWNSTREAM OF TUBING ESDV.
20. LOCK OPEN.
21. MOUNT H2S DETECTOR TO WELLHEAD.

* ENGINEERING STAMPS APPLY TO CLOUDED AREAS ONLY.
** MARKED-UP PER FIELD INFORMATION.

REFERENCE DRAWINGS	DWG. NO.

NO.	DATE	PROJECT DESCRIPTION	PROJ.	A/E	EPCM Co.	EPCM No.	APPRO.
1	2005-11-22	BISETTE SOUR WELL TIE-IN (AS BUILT)	-	-	CH2M HILL	000429	JWK
2	2006-08-09	11-06-77-14 W6M WELLSITE MODIFICATIONS - AS-BUILT**	-	10133003	TEAL	03743	-
3	2003-11-22	BISETTE LOW BLEED RETROFIT - FC ONLY	-	12060340	KEYWEST	0272-08	-

ISSUE STAGE	DATE	BY	CHKD.	APPRO.
Prelin. (1A1)	2005-12-16	CH	SSB	JJ
Design. (1C1)	2006-08-03	CH	RBB	JWK
As-Built (1D1)	2006-08-10	CH	SSB	JWK
Prelin. (2A1)	2006-02-15	CH	-	-
Design. (2C1)	2006-02-15	CH	-	-
As-Built (2D1)	2006-02-15	CH	BKW	SC
Design. (3C1)	2003-11-22	CH	-	-

KEYWEST PROJECTS LTD.

PIPING AND INSTRUMENTATION DIAGRAM

WELLSITE 11-06-77-14 W6M

AREA BISETTE

CLASS A

FILE NO. HY31235B

SWAN COMP. STN. 09-15	09-15-077-15 W6M
WELLSITE	11-06-077-14 W6M
NTS (A1 Size)	EC72-08

PERMIT STAMP AND PROFESSIONAL STAMP

APPROVED ABOVE SHALL APPLY ONLY TO REV(S)

3C1