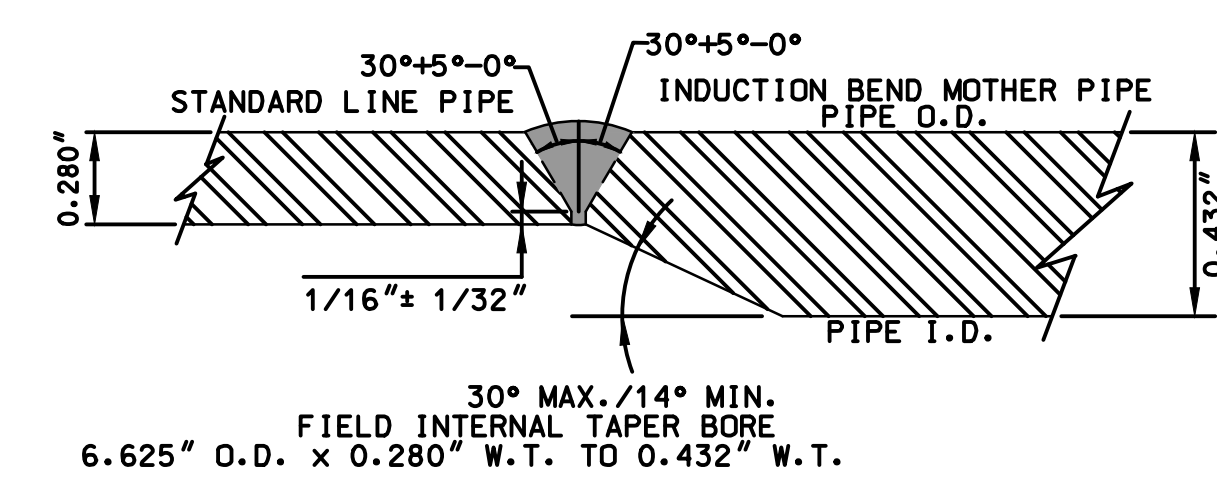


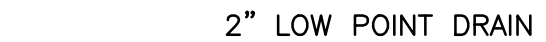
ITEM NO.	SIZE	QUANTITY	DESCRIPTION
100	6"	6,873'	6.625" O.D., API 6D, SMLS 0.280" W.T., GRADE X-60 FBE, 14 MIL
101	6"	113'	6.625" O.D., API 6D, SMLS 0.280" W.T., GRADE X-60 FBE, 14 MIL, ARO, 20 MIL, MIN
102	6"	2	INDUCTION BEND, API 5L, PSL2, 6" NPS, 0.432" W.T., GR X60, 22.5° BEND ANGLE, 5D CENTERLINE RADIUS
103	6"	2	INDUCTION BEND, API 5L, PSL2, 6" NPS, 0.432" W.T., GR X60, 27° BEND ANGLE, 5D CENTERLINE RADIUS
104	6"	4	INDUCTION BEND, API 5L, PSL2, 6" NPS, 0.432" W.T., GR X60, 30° BEND ANGLE, 5D CENTERLINE RADIUS
105	6"	4	INDUCTION BEND, API 5L, PSL2, 6" NPS, 0.432" W.T., GR X60, 45° BEND ANGLE, 5D CENTERLINE RADIUS
106	6"	2	INDUCTION BEND, API 5L, PSL2, 6" NPS, 0.432" W.T., GR X60, 60° BEND ANGLE, 5D CENTERLINE RADIUS
107	6"	4	INDUCTION BEND, API 5L, PSL2, 6" NPS, 0.432" W.T., GR X60, 90° BEND ANGLE, 5D CENTERLINE RADIUS
108	-		LINE MARKER
109	-		CP TEST STATION



DETAIL 1
TRANSITION BORE DETAIL
SCALE: N.T.S.

GENERAL NOTES		REFERENCE DRAWINGS		REVISIONS					REVISIONS					DRAWING STATUS			SCALE: NONE DRAWN: CGS DATE: 03/19/2025 CHKD: JS DATE: 03/31/2025 APPROVED: SM DATE: 03/31/2025 ENSIITE JOB NO: 8122 AFEP: O.N.O.: CLIENT FILE NO.: ENSIITE FILE NO: 8122.0001.1104.dwg  HOUSTON, TX 713-459-7885 OFFICES: LEXINGTON, KY (859-873-9078) www.EnSiteUSA.com <th colspan="2" rowspan="5"> KYMEA KENTUCKY MUNICIPAL ENERGY AGENCY KYMEA 6" LATERAL AND FACILITIES CIVIL BILL OF MATERIAL </th>		KYMEA KENTUCKY MUNICIPAL ENERGY AGENCY KYMEA 6" LATERAL AND FACILITIES CIVIL BILL OF MATERIAL	
DWG. NO.	DESCRIPTION	NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION	NO.	DATE	DESCRIPTION								
ISSUED FOR CONSTRUCTION 1/12/2026																				

K:\8122 KYMEA\0-Cover\8122.0001.0007\11222026 3:55:00 PM, Last Saved 1/12/2026 9:51:42 AM by NROTH, Last Plot 1/12/2026 3:52:00 PM by JOHN RAMSEY



A detailed schematic diagram of a wellhead assembly. The assembly is mounted on a horizontal pipe labeled "6\" PIPE". The main vertical component is a riser pipe (3) with a flange (18) at the base. A valve assembly (22) is located on the riser pipe, featuring a valve body (52) and a valve handle (32). A pressure gauge (42) is connected to the riser pipe. The riser pipe is topped with a wellhead cap (61) and a pressure indicator valve (67). A pressure gauge (69) is connected to the wellhead cap. A pressure gauge (3) is also connected to the riser pipe.

2" BLOWDOWN

1" CONNECTION

REV.
0

ITEM NO.	SIZE	QUANTITY	DESCRIPTION
1	6"	60'	PIPE, 6.625" OD, 0.280" W.T., CS (STD), BARE, API 5L PSL2, GR. X60
2	6"	180'	PIPE, 6.625" OD, 0.280" W.T., CS (STD), FBE COATED, 14-16 DFT, API 5L PSL2, GR. X60
3	2"	60'	PIPE: 2.375" OD, 0.218" WT (SCH 80), SMLS, CS, BARE, ASTM A106 GR. B
4	2"	200'	PIPE: 2.375" OD, 0.218" WT (SCH 80), SMLS, CS, FBE COATED, 14-16 MILS DFT, ASTM A106 GR. B
5	3"	10'	PIPE: 3.500" OD, 0.216" WT (STD), SMLS, CS, BARE, ASTM A106 GR. B
11	6"	20	ELBOW: 90° LR; 6", BW, 0.280" WT (STD), CS, MSS SP-75 GR. WPHY-52 OR ASME B16.9
12	6"	8	TEE: 6"x6", BW, 0.280" WT (STD), CS, MSS SP-75 GR. WPHY-52 OR ASME B16.9
13	6"x3"	4	TEE: REDUCING, 6"x3", BW, 0.280" WT x 0.216" WT, CS, MSS SP-75 GR. WPHY-52 OR ASME B16.9
14	2"	10	ELBOW: 90° LR; 2", BW, 0.218" WT (X4), CS, MSS SP-75 GR. WPHY-52 OR ASME B16.9
15	3"x2"	4	REDUCER, CONC., 3"x2", BW, 0.216" WT x 0.218" WT, CS, MSS SP-75 GR. WPHY-52 OR ASME B16.9
16	1"on6"	6	THREAD-O-LET, 1" ON 6" (0.280") x (0.179"), ASTM A694, ASME B31.8, 0.5 DF, 1480 PSIG AT 100 DEGREES F
17	3"	1	ELBOW: 90° LR; 3", BW, 0.216" WT, CS, MSS SP-75 GR. WPHY-52 OR ASME B16.9
18	2"on6"	1	WELD-O-LET, 2" ON 6" (0.280") x (0.218"), ASTM A694, ASME B31.8, 0.5 DF, 1480 PSIG AT 100 DEGREES F
19	2"	1	TEE: 2"x2", FNPT, 0.218" WT (X4), FORGED CS, ASME B16.9, ASTM A234
20	2"x1"	1	SWAGE: CONC., 2"x1", FNPT, 0.218" WT x 0.179" WT, FORGED CS, ASME B16.9, ASTM A234
21	6"	21	FLANGE: RFWN; 6", ASME CL 600, BTM 0.280" WT PIPE, CS, ASTM A694 GR. F52, MSS SP-44
22	2"	7	FLANGE: RFWN; 2", ASME CL 600, BTM 0.218" WT PIPE, CS, ASTM A694, MSS SP-44
23	6"	4	FLANGE, BLIND; 6", ASME CL 600, RF, NPT 1/2" C, D & T (NPT), ASTM A694, MSS SP-44
24	2"	3	FLANGE, BLIND; 2", ASME CL 600, RF, NPT 1" C, D & T (NPT), ASTM A694, MSS SP-44 (LOW POINT DRAIN)
31	6"	16	GASKET; 6", ASME CL 600, SPIRAL WOUND, FLEXITALLIC TYPE CGI, w/ 304 SS WINDING, 1/8" THK., FLEXIBLE GRAPHITE FILLER, ASME B16.20
32	2"	10	GASKET; 2", ASME CL 600, SPIRAL WOUND, FLEXITALLIC TYPE CGI, w/ 304 SS WINDING, 1/8" THK., FLEXIBLE GRAPHITE FILLER, ASME B16.20
33	6"	6	PIKOTEK VCS; GASKET: INSULATION SET; 6", ASME CL 600, G-10 GASKET LAMINATED, 0.26" THICK, w/316 SST CORE, SPRING ENERGIZED PTFE SEAL, G-10 SLEEVES & WASHERS
34	2"	1	PIKOTEK VCS; GASKET: INSULATION SET; 2", ASME CL 600, G-10 GASKET LAMINATED, 0.26" THICK, w/316 SST CORE, SPRING ENERGIZED PTFE SEAL, G-10 SLEEVES & WASHERS
41	1"	16 SETS	BOLT: STUD; 1" DIA x 7-1/4" LG, W/ 2-2H NUTS, W/O WASHERS, ASTM A194, GR. 2H, TEFLON COATED, ASTM A193 GR. B7 (FOR 6" ASME CL 600 FLANGE, 12 EA.)
42	5/8"	10 SETS	BOLT: STUD; 5/8" DIA x 5" LG, W/ 2-2H NUTS, W/O WASHERS, ASTM A194, GR. 2H, TEFLON COATED, ASTM A193 GR. B7 (FOR 2" ASME CL 600 FLANGE, 8 EA.)
43	1"	6 SETS	BOLT: STUD; 1" DIA x 8-1/4" LG, W/ 2-2H NUTS, W/O WASHERS, ASTM A194, GR. 2H, TEFLON COATED, ASTM A193 GR. B7 (FOR 6" ASME CL 600 FLANGE, 12 EA., FOR INSULATING KIT)
44	5/8"	1 SETS	BOLT: STUD; 5/8" DIA x 6" LG, W/ 2-2H NUTS, W/O WASHERS, ASTM A194, GR. 2H, TEFLON COATED, ASTM A193 GR. B7 (FOR 2" ASME CL 600 FLANGE, 8 EA., FOR INSULATING KIT)
51	6"	5	VALVE, BALL, 6", ANSI 600, RFFE, FULL PORT, DOUBLE BLOCK AND BLEED, API-6D MONOGRAM, CS BODY, ENP STEEL BALL AND TRIM, TRUNNION MOUNTED, FOR NAT. GAS SERVICE, -20 TO 120 DEG. F., HAND WHEEL OPERATED, C/W LEVER, PRIMED FOR ABOVE GRADE SERVICE, API-6D, PER BOARDWALK EC-PS-027
52	2"	5	VALVE, BALL, 2", ANSI 600, RFFE, FULL PORT, DOUBLE BLOCK AND BLEED, API-6D MONOGRAM, CS BODY, ENP STEEL BALL AND TRIM, TRUNNION MOUNTED, FOR NAT. GAS SERVICE, -20 TO 120 DEG. F., LEVER OPERATED, C/W LEVER, PRIMED FOR ABOVE GRADE SERVICE, API-6D, PER BOARDWALK EC-PS-027
53	1"	9	VALVE, BALL - 1", FNPT, 3000 PSIG WP MIN, PER ASME B16.34, CS, FP, WRENCH OPERATED
54	1/2"	4	VALVE, BALL - 1/2", FNPT, 3000 PSIG WP MIN, PER ASME B16.34, CS, FP, WRENCH OPERATED
55	2"	2	VALVE, BALL - 2", FNPT, 3000 PSIG WP MIN, PER ASME B16.34, CS, FP, WRENCH OPERATED
61	2"	1	YALE CLOSURE FIG 500; 2", 2.375" OD, 0.218" WT (SCH 80), CS, ASTM A105 GR B, ASME CL600, BW, ASTM A105, W/ 1/2" NPT CENTER TAPPED CAP
62	1"	9	NIPPLE, 1", 1.315" O.D. x 0.179" W.T. x 4" LG., SMLS, API-5L GR. B, TBE
63	1/2"	6	NIPPLE, 1/2", 0.084" O.D. x 0.147" W.T. x 3" LG., SMLS, API-5L GR. B, TBE
64	1"	6	ELL, 1", 90 DEG, FNPT, 0.179" W.T., FORGED CS, A105, ASME/ANSI B16.11
65	1"	9	PLUG, HEXHEAD - 1", CLASS 3000, CS, MNPT, ASTM A105, PER ASME B16.11
66	1/2"	4	PLUG, HEXHEAD - 1/2", CLASS 3000, CS, MNPT, ASTM A105, PER ASME B16.11
67	2"	1	NIPPLE, 2", 2.375" O.D. x 0.218" W.T. x 6" LG., SMLS, API-5L GR. B, WE X THRD
68	2"	3	NIPPLE, 2", 2.375" O.D. x 0.218" W.T. x 6" LG., SMLS, API-5L GR. B, TBE
69	2"	1	UNION, INSULATING, 2", 0.218" W.T., 3000#, FORGED STEEL, FNPT, ASTM A105
70	2"	1	PLUG, HEXHEAD - 2", CLASS 3000, CS, MNPT, ASTM A105, PER ASME B16.11
71	6"	6	E-Z LINE FIG. 510F PIPE SUPPORT FOR 6" PIPE, D=2'-6"
72	2"	1	E-Z LINE FIG. 204F PIPE SUPPORT FOR 2" PIPE, D=2'-0"

[illegible]