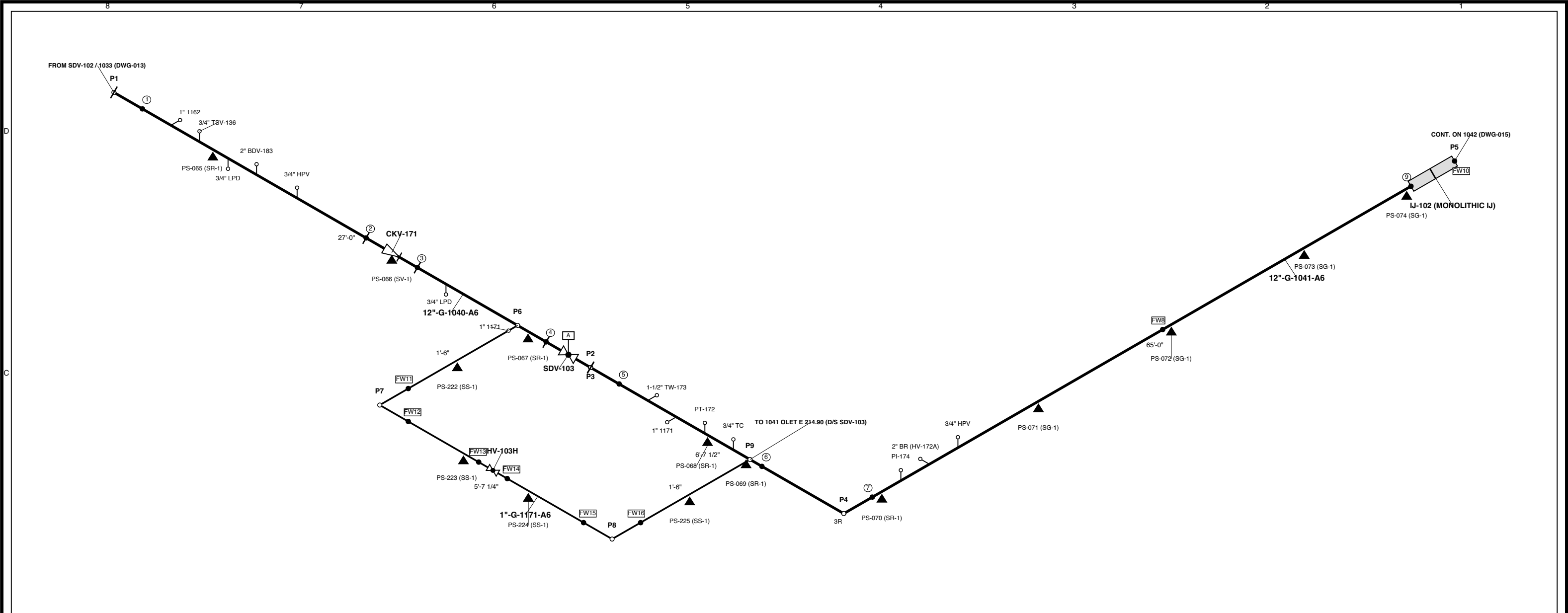




LINE DESIGN DATA

12"-G-1040-A6 P&ID PRO-DWG-107. FROM SDV-102 TO CKV-171 / SDV-103
12"-G-1041-A6 P&ID PRO-DWG-108. FROM SDV-103 TO IJ-102
1"-G-1171-A6 P&ID PRO-DWG-108. FROM Line 1040 upstream of SDV-103 TO Line 1041 downstream of SDV-103

DESIGN: 1,440 psig @ -20 to 133 F (1,420 psig @ 150 F, Class 600 flange limit)
TEST: Hydrostatic 2,160 psig min at high point, 8 h (49 CFR 192.505, MEC-CAL-003)
MATERIAL: NPS 12 API 5L X52 PSL2 STD 0.375 in; NPS 10 Sch 80; NPS 8 XS; CVN at -20 F; fittings MSS SP-75 WPHY-52
NDE: 100 % RT/AUT butt welds; 100 % MT/PT fillet and socket welds. PWHT: not required
COATING: 3-coat (zinc-rich epoxy / epoxy / PU) per SPC-SPC-010. INSULATION: none

COORDINATES (STATION GRID, NAVD88 EL)

PT	LINE	EAST (ft)	NORTH (ft)	CL EL (ft)
P1	1040	186.38	90.00	1153.62
P2	1040	213.38	90.00	1153.62
P3	1041	213.38	90.00	1153.62
P4	1041	220.00	90.00	1153.62
P5	1041	220.00	155.00	1153.62
P6	1171	209.30	89.20	1153.62
P7	1171	208.30	87.70	1153.62
P8	1171	214.90	87.70	1153.62
P9	1171	214.90	89.20	1153.62

LEGEND

⑦ SHOP WELD NO. FW7 FIELD WELD NO.
▲ PIPE SUPPORT (ID, TYPE per MEC-CAL-005 / PIP-DWG-006)
Pn = coordinate point (table). Dims are PI to PI along centerline. Iso is NTS.
A = electro-hydraulic actuator, M = electric actuator, o = gear operator.

NOTES / REFERENCES

- DIMENSIONS IN FEET-INCHES; COORDINATES IN FEET ON STATION GRID (MEC-DWG-001).
 - CUT LENGTHS, WELD LIST AND BILL OF MATERIALS ON SHEET 2.
 - FIELD-VERIFY ALL TIE-IN AND EQUIPMENT NOZZLE DIMENSIONS (VENDOR DATA HOLD H-15).
 - BALL VALVES HALF OPEN DURING HYDROTEST; SEE MEC-CAL-003 FOR TEST LIMITS.
 - FLANGE BOLT TORQUE PER MEC-CAL-006. GASKETS SPIRAL-WOUND 316/GRAPHITE.
 - SUPPORTS AND LOADS PER MEC-CAL-005; DETAILS PIP-DWG-006.
- REF: PIP-DWG-001 GA
REF: PIP-SPC-001 (A6)

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)			

PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO _____
COUNTY, _____

DISCIPLINE: PIPING
SCALE: NTS

ISOMETRIC LINES 1040 / 1041

SDV-102 TO SDV-103 AND IJ-102

DRAWN: ____ CHECKED: ____ APPROVED: ____

DWG NO.
PIP-DWG-014

SHEET 1 OF 2 REV A