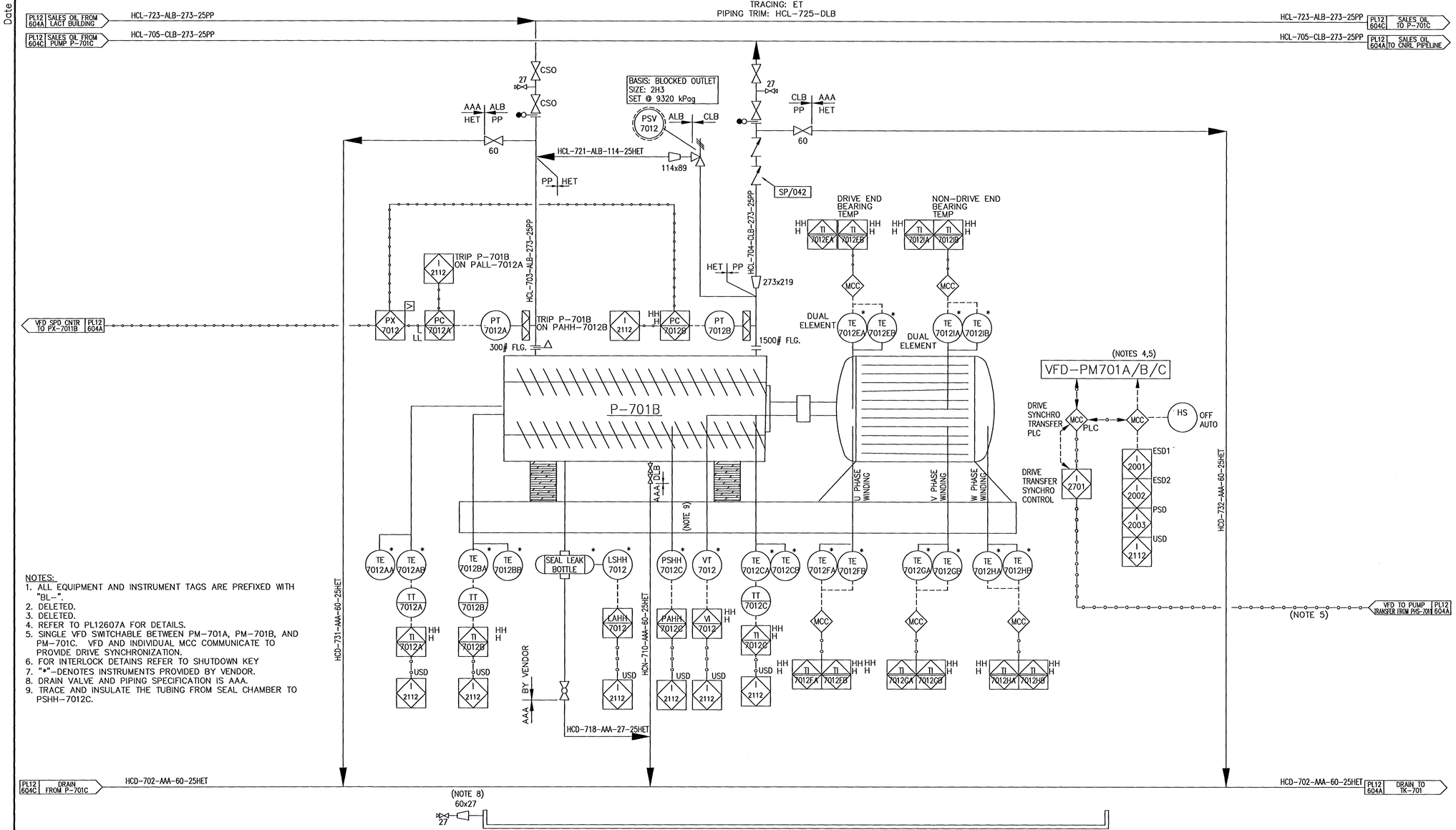
Date Time

P-701B
SALES OIL PIPELINE PUMP

DESIGN: 140 m³/hr @ 6900 kPa ΔP
MOTOR: 746 kW
(3x50%)
INSULATION: H 51 mm
TRACING: ET
PIPING TRIM: HCL-725-DLB



NOTES:
1. ALL EQUIPMENT AND INSTRUMENT TAGS ARE PREFIXED WITH "BL-".
2. DELETED.
3. DELETED.
4. REFER TO PL12607A FOR DETAILS.
5. SINGLE VFD SWITCHABLE BETWEEN PM-701A, PM-701B, AND PM-701C. VFD AND INDIVIDUAL MCC COMMUNICATE TO PROVIDE DRIVE SYNCHRONIZATION.
6. FOR INTERLOCK DETAINS REFER TO SHUTDOWN KEY
7. "*"-DENOTES INSTRUMENTS PROVIDED BY VENDOR.
8. DRAIN VALVE AND PIPING SPECIFICATION IS AAA.
9. TRACE AND INSULATE THE TUBING FROM SEAL CHAMBER TO PSHH-7012C.

Drawings Must Comply with Cenovus Energy Drafting & Drawing Specifications

REFERENCE DRAWINGS	DWG. NO.
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CAUTION : READ BEFORE EXCAVATION
ALL EXCAVATIONS MUST BE CARRIED OUT AS PER Cenovus Energy Inc. "GROUND DISTURBANCE PRACTICES"

NO.	DATE	PROJECT DESCRIPTION	PROJ.	AFE	EPCM Co.	EPCM No.	APPD.
1	2012-06-28	BEAR LAKE 31K BBL/D BATTERY	.	11140425	BANTREL	1083	
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REV. NUMBER 1-1

ISSUE STAGE	DATE	BY	CHKD.	APPD.
DESIGN (A)	2012-11-15	DJG	LZ	LZ
CONSTRUCTION (0)	2013-04-11	DJG	GB	LZ
CONSTRUCTION (1)	2013-11-15	MH	LZ	LZ
.	–	.	.	.
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REV. NO. FORMAT: 1-A
REFER TO PROJECT NUMBER "J" "E" OR THE LEFT OF TRIDOR
ISSUE STAGE: (A, 0, 0A, 0B, 0C, 0D, 1, 2, 3, 4, 5, 6, 7, 8, 9 — PRELIMINARY, DESIGN, CONSTRUCTION, PRE-CONSTRUCTION, ISSUE FOR CONSTRUCTION, ISSUE FOR PERMIT, ISSUE FOR REVIEW, ISSUE 1, 2, 3, 4 — POST CONSTRUCTION REVS.)

PERMIT STAMP

BANTREL
APEGGA PERMIT: P 3913
D. Mitchell
04 Dec 2013

ENGINEER'S STAMP

PROFESSIONAL ENGINEER IN ALBERTA
LESLIE M. ZAPPE
2013/12/03

PERMIT STAMP AND PROFESSIONAL STAMP AFFIXED ABOVE SHALL APPLY ONLY TO REV(s) 1-1

cenovus ENERGY

MAIN PAC.	NORTH BATTERY 5-11
MAIN LSD.	5-11-083-20 W4M
FAC. TYPE	LACT UNIT
FAC. LSD.	5-11-083-20 W4M
SCALE	NTS
EPCM No.	1083
EPCM Co.	BANTREL

TITLE
BEAR LAKE – LACT UNIT
SALES OIL PIPELINE PUMP BL-P-701B

AREA	CLASS	FILE NO.
PELICAN LAKE	A	PL12604B

DIC-71306 (Licensed A1 Size Title Block) v1

W:\1083\PIPING\DWG\PSID\PL12604B_REV1-1.DWG,12/2/2013 12:49 PM,ROJAS, VIVIENNE A.