

**P-300**  
**METHANOL PUMP**  
 MAKE: CVS MODEL 51 c/w  
 1/4" NPT SUCTION/DISH & INST. CONN.  
 10-35 PSI MAX. SUPPLY PRESS./6000 PSI MAX DISH. PRESS.  
 16.8 GALLONS PER DAY MAX 3/8" PLUNGER 1 TO 30 STROCKES/MIN.

**V-100**  
**3 PHASE VERT. SEPARATOR**  
 PENFABCO 16" DD x 7'-6" S/S-  
 DESIGN PRESSURE: 1440 PSIG, 1/8" C.A.  
 DRESSED 2 PHASE  
 RT-1, PWHT  
 REGISTERED IN B.C. A.B. SASK.

**V-200**  
**FUEL GAS SCRUBBER**  
 LOTECH 6 5/8" DD x 3'-0"  
 MAWP: 285 PSIG  
 c/w H LSD  
 RT-1, PWHT

**H-400**  
**BUILDING HEATER**  
 SCOTT CAN 24,000 BTU/HR  
 12 VDC c/w SAFETY SHUTOFF  
 912 REG. & 30' OF START CABLES  
 NATURAL GAS

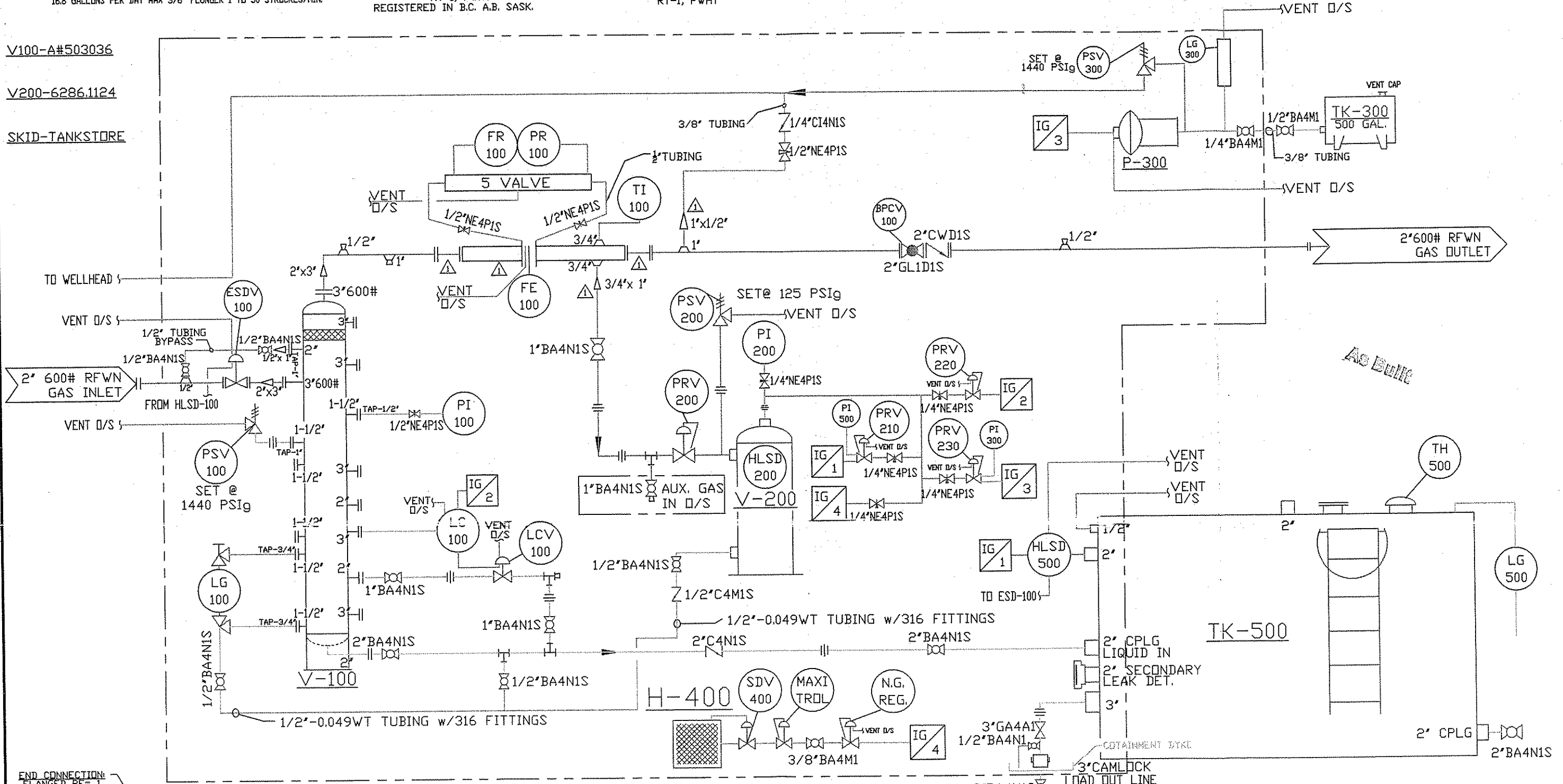
**TK-300**  
**METHANOL TANK**  
 CLEMMER METH. TANK  
 500 GALLON CAPACITY  
 MOUNTED ON EXTENDED SKID

**TK-500**  
**100 BBL VERTICAL TANK**  
 MANUFACTURER: TANKSTORE  
 SECONDARY CONTAINMENT  
 c/w 2" SPRAY FOAM INSULATION  
 c/w INTERNAL COATING

V100-A#503036

V200-6286.1124

SKID-TANKSTORE



END CONNECTION:  
 FLANGED RTJ=1  
 FLANGED RTJ=2  
 BUTTWELDED=3  
 THREADED=4  
 SOCKET WELDED=5  
 SW/SCR=6  
 TUBING=9

**VALVE LEGEND**

VALVE SERVICE:  
 NORMAL TEMP, SWEET PROCESS=1  
 NORMAL TEMP, SOUR PROCESS=1S  
 LOW TEMP, SWEET PROCESS=2  
 LOW TEMP, SOUR PROCESS=2S

ANSI CLASS: THREADED/SOCKET WELDED CLASS:  
 150#=#A API 602 WDG  
 300#=#B CLASS 800=#H 1000 WDG=L  
 400#=#C CLASS 1500=#J 2000 WDG=M  
 600#=#D CLASS 2500=#K 3600 WDG=N  
 900#=#E 6000 WDG=P  
 1500#=#F 10000 WDG=Q  
 2500#=#G TUBING RATING=R  
 250 WDG=S

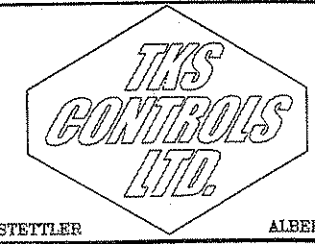
VALVE TYPE:  
 BALL (C.P.)=BA  
 BALL (C.F.P.)=BAF  
 NEEDLE=NE  
 FULL BODY CHECK=C  
 PISTON CHECK=CP  
 WAFFER CHECK=CW  
 INLINE CHECK=CI  
 GATE=GA  
 GLOBE=GL  
 Y-STRAINER=Y

**NOTE:**  
 ALL PIPING AND NIPPLES 1/2" TO 1-1/2" TO BE XXH  
 1-1/2" TO 3" TO BE SCH.160  
 1/4" TO BE XHD A333

**STAMPS & PERMITS**

OFFICE MNGR: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ISSUED TO FAB MNGR: \_\_\_\_\_ DATE: \_\_\_\_\_

2	18-07-06	AS BUILT	JW
1	07-07-06	REV/METER RUN TO REMOVE BALL VALVES	SG
0	13-04-06	ISSUED FOR CONSTRUCTION	SG
A	03-03-06	ISSUED FOR APPROVAL	SG
NO.	DATE	REVISIONS	DWNCHK'D/APPR



DATE	03-03-06	CLIENT	SIGNALTA (Sour#1)
DESIGNED BY	TKS	TITLE	LSD:
DRAWN BY	JEFF WIEBE	16" DD x 7'-6" S/S VERT. SEPARATOR, SOUR SERVICE. DESIGN PRESSURE 1440 PSIG @ 100°F c/w 100 BBL VERTICAL CONTAINMENT TANK	
CHECKED BY		JOB NO.	33694
APPROVED BY		FILENAME	SIGNALTA33694-100PIDSOUR
SCALE	NTS	SHEET NO.	1 OF 1
		DRAWING NO.	TKSH 33694
		REV. NO.	

# TKS CONTROLS LTD

COMPANY: SIGNALTA RESOURCES

Date: June 7/06

LOCATION:

Package Size: 7' X 21'-100BBL

PO# 33694

VESSEL MFGR: PENFABCO	SERIAL: PE 9959	P2437.213
A#503036	DESIGN TEMP: -20°F to 100°F	TYPE: 16" X 7' 6"-1440psi CA1/8"
<b>EQUIPMENT</b>	<b>SERIAL NUMBER</b>	<b>MAKE &amp; MODEL #</b>
H.P.S.D.	N/A	N/A
Scrubber	6286.1124	6"x 36" Lotech 285psi
Dry Flo Meter	202N 363420	Barton 2 Pen 1500psi
Regulator	P627	Belgas 2112
Heater	17117	24" X 24" Scott Can
Meter Run	91390257	2" MIQUELON SR.
Dump Valve #1	7508	2" Norriseal 2276
Dump Valve # 2	N/A	N/A
Level Control #1	25104	Norriseal 2SM60
Level Control #2	N/A	N/A
H.L.S.D(on tank)	AIC 020P	Array
Methanol Pump	P13064	CVS Series
PSV LP	28463-18	1" Taylor @125psi
PSV HP	26265-131	1" Taylor Set @1440psi
Meter # 1	N/A	N/A
Meter # 2	N/A	N/A
Skid Size	7' X 21'	Tank Store
B.P. Valve	Class 600	2" Navco Globe RF
E.S.D.V.	7509	2" Norriseal 2220 600 RF
300 Gallon Methanol Tank	N/A	N/A
500 Gallon Methanol Tank	N/A	Clemmer S/W
Sight Glass	4 ft	TKS
100BBL Tank	3539	Tank Store

Notes:



Partial Data Reports, properly identified and certified by ABSA-authorized contractors, as listed below are attached to and form part of this Data Report

No.	Line No.	Spool No.	Drg. No. (with Rev. No.)	Contractor (Name)	AQP No.	Expiry date

**Remarks:** Provide additional comments including noting any code work that was not performed by the ABSA-authorized contractor(s) supplying this document as a Partial Data Report but which must be completed by another ABSA-authorized contractor who assumes overall responsibility for conformance with the Safety Codes Act & Regulations and applicable ASME Codes, and who assures that all required code work is completed prior to putting the piping system into service.

**Endorse certificate 'A' or 'B'**

**A. CERTIFICATE OF COMPLIANCE**

Signed by the subcontractor when supplying this certificate as a Partial Data Report

We certify that the statements in this Data Report are correct and that materials, construction and workmanship of the piping fabrication conform to the registered quality system and the applicable Piping code(s).

Date: May 9/06 Rob's Pressure Welding Ltd.  
Subcontractor

Rob Docherty *R. Docherty*  
Print Authorized Representative's Name Signature

**This certificate is not valid unless it forms part of a Final Data Report signed by Primary Contractor**

**B. CERTIFICATE OF COMPLIANCE**

Signed by the primary contractor when supplying this certificate as a Final Data Report

We certify that the statements in this Data Report are correct and that piping job no. TKS33694 described in this Data Report was constructed in accordance with the Province of Alberta Safety Codes Act and Regulations, and applicable ASME Piping Code(s).

Date: June 26/06 TKS Controls Ltd.  
Primary Contractor

Betty Muhlbach *Betty Muhlbach*  
Print Authorized Representative's Name Signature

**CERTIFICATE OF INSPECTION**

I, the undersigned, employed by MTL Inspection Group Inc. have inspected the piping job no. TKS33694 described in this Construction Data Report and state that, to the best of my knowledge and belief, the Contractor has constructed this piping in accordance with the applicable Sections of the ASME Piping Codes and Province of Alberta Safety Codes Act and Regulations.

Date: June 26/06 Date: \_\_\_\_\_  
Perry Siminiuk Name: \_\_\_\_\_  
Print Owner's Inspector's Name Owner's Inspector's Signature

ABSA Safety Codes Officer  
(BOILER EXTERNAL PIPING ONLY)