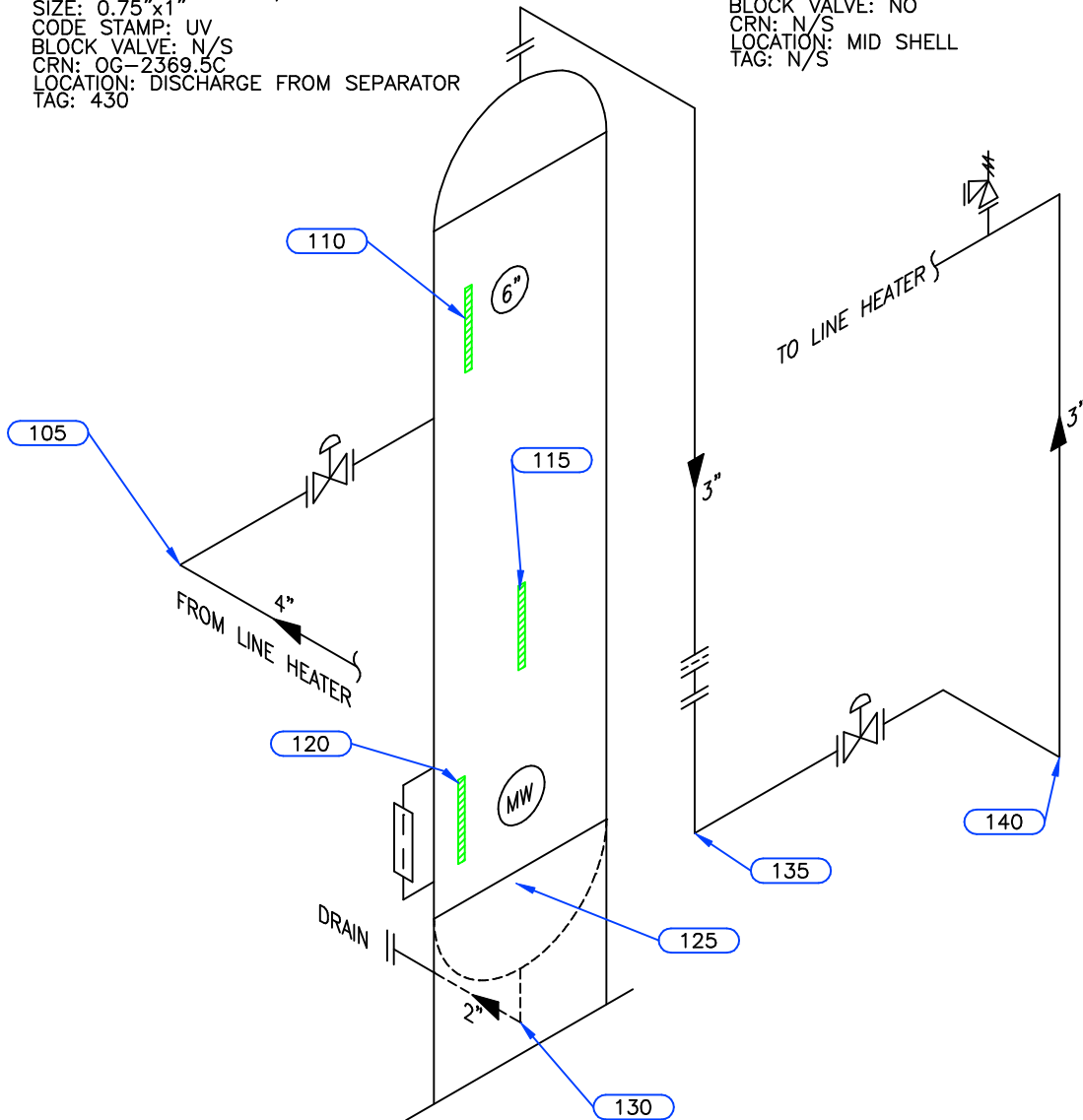


PSV DATA
 MFG: FARRIS
 MODEL: 2741U
 SERIAL: CE-1265-KD
 SET PRES: 7929 kPa
 CAPACITY: 2213 scfm
 SERVICED BY: IPV
 SERVICE DATE: JUNE 4/2008
 SIZE: 0.75"x1"
 CODE STAMP: UV
 BLOCK VALVE: N/S
 CRN: OG-2369.5C
 LOCATION: DISCHARGE FROM SEPARATOR
 TAG: 430

PSV DATA
 MFG: TAYLOR
 MODEL: 8200.1ME
 SERIAL: 37979-618
 SET PRES: 4137 kPa
 CAPACITY: 2187 scfm
 SERVICED BY: IPV
 SERVICE DATE: JUNE 4/2008
 SIZE: 1"x1"
 CODE STAMP: UV/NB
 BLOCK VALVE: NO
 CRN: N/S
 LOCATION: MID SHELL
 TAG: N/S



Equip. No. _____ Prov. Reg. No. **A** 2651642 C.R.N. K-1730.2 Serial No. P1137A Yr. Inst. _____
 Code/Div. ASME VIII, Div 1 Size: 20in. x 8ft. Manufacturer: CESSCO Yr. Bld. 1990
 C. Stamp: U Service: SWEET PWHT: NO Radiography: RT-1 Insulated: NO

Design & Materials Data

HEAD:
 Top Mat'l. SA 516 70 Top Nom. 18.0mm Top C.A. _____
 Btm. Mat'l. _____ Btm. Nom. _____ Btm. C.A. _____
CHANNEL:
 Material: _____ Nominal: _____ C.A. _____
BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____
SHELL
 Material: SA 516 70 Nominal: 18.5mm C.A. _____
 MAWP Shell Side: 7929 kPa @ Temp. 93°C
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES		
FACILITY	WAPITI GAS GATHERING LSD 10-36-68-09 W6M		
ITEM	3 PHASE VERTICAL SEPARATOR		
BY: CB	DATE: 12/2004	DWG.# 1	

UTS DATA

CLIENT CANADIAN NATURAL RESOURCES
EQUIPMENT 3 PHASE SEPARATOR
CRN# K-1730.2
PROV REG A 2651642
TESTEI ON STREAM

FACILITY WAPITI GAS GATHERING
SERVICE SWEET
LOCATION 10-36-68-09 W6M
RTD JOB # 2327845
REFER TO DRAWING 1

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
110	Description: UPPER SHELL @ INLET											
	2004	12	2016	3								
Min. Thick.	18.9		18.9		18.50			18.50	0	0		
Average:	19		19						0	0		
Analysis:												
115	Description: MID SHELL											
	2004	12	2016	3								
Min. Thick.	19		19		18.50			18.50	0	0		
Average:	19		19						0	0		
Analysis:												
120	Description: LOWER SHELL @ L/L											
	2004	12	2016	3								
Min. Thick.	19		19		18.50			18.50	0	0		
Average:	19		19						0	0		
Analysis:												
125	Description: BOTTOM HEAD											
	2004	12	2016	3								
Min. Thick.	25.6		25.6		18.00			18.00	0	0		
Average:	25.9		25.9						0	0		
Analysis:												
130	Description: 2" 90° NOZZLE											
	2004	12	2016	3								
Min. Thick.	8.2		7.7		8.70	2.5		8.70	.04	.04		
Average:	8.4		8.1						.03	.03		
Analysis:	2016/03 THICKNESS CALCULATIONS CARRIED OUT TO 1.4mm. API 510 REFERENCES 2.5mm AS MINIMUM THICKNESS REQUIRED FOR PRESSURE VESSELS AND PIPING. RETIREMENT DATE 2141.											

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: 3 PHASE SEPARATOR PIPING
CRN#:
PROV REG:
TESTED ON STREAM

FACILITY: WAPITI GAS GATHERING
SERVICE: SWEET
LOCATION: 10-36-68-09 W6M
RTD JOB #: 2327845
REFER TO DRAWING: 1

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
------------	----------------	--	--	--	------	-------	------	------	------------	-----------	------------	-----------------

105												
Description: 4" 90° ELBOW												
	2004	12	2016	3								
Min. Thick.	6.6		6.6		7.53	2.9	1.1	8.60	0	0		
Average:	6.9		6.9						0	0		
Analysis: 2016/03 RETIREMENT DATE 2064.												

135												
Description: 3" 90° ELBOW												
	2004	12	2016	3								
Min. Thick.	6.7		6.7		6.65		.9	7.60	0	0		
Average:	6.9		6.9						0	0		
Analysis:												

140												
Description: 3" 90° ELBOW												
	2004	12	2016	3								
Min. Thick.	6.9		6.9		6.65		.9	7.60	0	0		
Average:	7.1		7.1						0	0		
Analysis:												