



## Pipeline Specification Summary

# WWP - West Windfall Pipeline

### General Description:

The West Windfall Pipeline is a 8" Pipeline which transports High Pressure Dry Sweet Gas 8.5 Kilometers from 14-24-59-16W5 to the West Whitecourt Gas Plant at 2-17-60-15W5.

Pipeline Static Data:			
Medium:	<b>High Pressure Dry Sweet Gas</b>		
License Approval :	<b>18705</b>	License H2S :	<b>0.0 %</b>
Diameter :	<b>8"</b>	Length :	<b>8.5 Kms.</b>
M.O.P :	<b>9070 Kpa.</b>	Normal Operating Pres.	<b>6500-7000 Kpa.</b>
ANSI Rating :	<b>600 RTJ</b>		

Tie-In / ESD Locations:		
STN 01	14-24-59-16	Block Valve, Producer T/I
STN 02	02-17-60-15	Block Valve – Inlet Control Valve

## Tie In Specifications

### Section A: WELLSITE Requirements

Gas Quality – Piping Configuration, Equipment & Reporting	
Dehydration	<b>Production Must be routed to downstream dehydration.</b>
H2S Composition (Max. )	<b>0.0%</b>
Separation Equipment	2 Phase or 3 Phase
Condensate	Combined with Gas Stream or Tanked - Trucked
Water	Tanked - Trucked
Metering	EFM (Electronic Flow Measurement)
Fuel Gas – (Site Supplied)	Metered
Fuel Gas – (External Source)	Metered
SCADA	Required for all direct T/I's
Gas & Liquids Sampling	Required as per Manual requirements
Daily Reporting Method	SemCAMS SCADA, Customer SCADA, Fax, e-mail

**Section B: DOWNSTREAM FACILITY Requirements****Gas Quality**

H2S Composition (Max.)	0.0%		
Temperature (Max)	50° Celcius		
Water Dewpoint (combined stream)	Required -10 C		
Condensate	Recombined or Tanked		
BS&W	Required		
Water	NONE - Tanked		
Methanol	YES - Inhibited MeOH		
Corrosion Inhibitor Injection	YES	Type:	Champion RU 196
Sulphur Dispersants - Solvents	NONE		
Operational Liquids	NONE (Cleaning Solvents/Hydro/PL Initial Batch...)		
Operational Gasses	NONE ( Purge Gasses N2 / CO2 / Air / ... )		

**Piping - Configuration & Equipment**

Dehydration Type	Glycol or Mole Sieve		
Dewpoint Auto Shut-in / Recycle	Required	Set Point:	-10° Celcius
Dewpoint Analyzer	Required		
BS&W Analyzer	Required		
BS&W Auto Shut-in / Diversion	Required		
Metering – Gas Production	EFM		
Metering – Condensate Production	EFM		
Metering - Water	Not Required		
Metering – Fuel Gas (site supplied)	EFM Metered or Estimate		
Metering – Fuel Gas (external )	Not Required		
Compressor Recycle	Required – Pressure Control		
Flare & Recycle Connections	Upstream of Sales Meter		

**SemCAMS SCADA:**

Flow Measurement (Sales )	Required		
Remote ESD	Required ( Supplied at tie-in location )		
Compressor Run Status	Required		
Dewpoint Analyzer Status	Required		

**Section C: SemCAMS Pipeline T/I Point Requirements****Piping Configuration and Equipment**

Pipe Specification (above ground)	SemCAMS SP-60		
Pigging Facilities	Required		
ESD Valve	Required		
Check Valve	Required		
Drains & Vents	Required		
Cathodic Protection – Insulating Kit	Required	Type:	Pikotek
Future Connection	Required		
Corrosion Monitoring Coupon	Required		

**SemCAMS SCADA:**

Pressure	Required		
ESD Valve Position	Required (Open – Moving – Closed)		
Remote ESD	Required (SemCAMS Control)		
ESD – Local PSHH	Required	Set Pressure:	
ESD – Local PSLL	Required	Set Pressure:	
TEG Status	Required		