



**Pipeline Specification Summary**

**WWP - Pine Creek South High Pressure Pipeline ( South Section)**

**General Description:**

The Pine Creek South High Pressure Pipeline is a 6 inch high pressure sour gas pipeline starting at 7-13-56-20w5 and ending at 11-14-57-19w5.

<b>Pipeline Static Data:</b>			
Medium:	<b>High Pressure Sour Gas</b>		
License Approval :	<b>45118,45114,45104</b>	License H2S :	<b>24%</b>
Diameter :	<b>6"</b>	Length :	
M.O.P :	<b>9930 kpa</b>	Normal Operating Pres.	<b>3500 kpa-5000kpa</b>
ANSI Rating :	<b>600 RTJ</b>		

<b>Tie-In / ESD Locations:</b>		
	7-13-56-20w5	ESD Valve Site
	12-18-56-19w5	ESD Valve and Producer Tie In Site
	6-29-56-19w5	ESD Valve and Line Heater Site
	7-32-56-19w5	Producer Tie In Site
	10-04-57-19w5	ESD Valve and Line Heater Site
	10-10-57-19w5	ESD Valve, Line Heater and Producer Tie In Site
	11-14-57-19w5	ESD Valve and Dehydration Site

**Tie In Specifications**

**Section A: WELLSITE – Separation and Metering**

<b>Gas Quality – Piping Configuration, Equipment &amp; Reporting</b>	
<b>Dehydration</b>	<b>Production Must be routed to downstream dehydration.</b>
<b>H2S Composition (Max.)</b>	<b>24 %</b>
<b>Separation Equipment</b>	2 Phase – 3 Phase
<b>Condensate</b>	Combined with Gas Stream – Tanked - Trucked
<b>Water</b>	Tanked - Trucked
<b>Metering</b>	EFM (Electronic Flow Measurement)
<b>Fuel Gas – (Site Supplied)</b>	Metered or Estimate
<b>Fuel Gas – (External Source)</b>	No data required.
<b>SCADA</b>	Required
<b>Gas &amp; Liquids Sampling</b>	Required
<b>Daily Reporting Method</b>	SemCAMS SCADA, Customer SCADA, Fax, e-mail

**Section B: DOWNSTREAM FACILITY – Dehydration & Compression**

**Gas Quality**

H2S Composition (Max.)	N/A		
Temperature (Max)	N/A		
Water Dewpoint (combined stream)	N/A		
Condensate	N/A		
BS&W	N/A		
Water	N/A		
Methanol	Yes		
Corrosion Inhibitor Injection	Yes	Type:	Champion
Sulphur Dispersants - Solvents	NONE (DADS, MDS....)		
Operational Liquids	NONE (Cleaning Solvents/Hydro/PL Initial Batch...)		
Operational Gasses	NONE ( Purge Gasses N2 / CO2 / Air / ... )		

**Piping - Configuration & Equipment**

Dehydration Type	N/A		
Dewpoint Auto Shut-in / Recycle	N/A	Set Point:	N/A
Dewpoint Analyzer	N/A		
BS&W Analyzer	N/A		
BS&W Auto Shut-in / Diversion	N/A		
Metering – Gas Production	N/A		
Metering – Condensate Production	N/A		
Metering - Water	N/A		
Metering – Fuel Gas (site supplied)	EFM Metered or Estimate		
Metering – Fuel Gas (external )	Not Required		
Compressor Recycle	Required – Pressure Control & Dehydration Control		
Flare & Recycle Connections	Upstream of Sales Meter		
<b>SemCAMS SCADA :</b>			
Flow Measurement (Sales )	Required		
Remote ESD	Not Required ( Supplied at tie-in location )		
Compressor Run Status	Required		
Dewpoint Analyzer Status	N/A		

<b>Section C: Tie-In Point – to SemCAMS Pipeline</b>
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<b>Piping Configuration and Equipment</b>
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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		

<b>SemCAMS SCADA:</b>			
Pressure	Required		
ESD Valve Position	Required (Open – Moving – Closed)		
Remote ESD	Required (SemCAMS Control)		
ESD – Local PSHH	Required	Set Pressure:	
ESD – Local PSLI	Required	Set Pressure:	
TEG Status	Required		