



**Pipeline Specification Summary**

**WWP - Low Pressure Nordegg Pipeline**

**General Description:**

The High Pressure Nordegg pipeline is a 6 inch High Pressure Dehydrated Sour Gas pipeline starting at 13-21-57-19w5 and ending at 3-3-58-19w5.

Pipeline Static Data:			
Medium:	<b>Low Pressure Dry Sour Gas</b>		
License Approval :	<b>45106-Line 2</b>	License H2S :	<b>3.9%</b>
Diameter :	<b>6"</b>	Length :	
M.O.P :	<b>9930 Kpa.</b>	Normal Operating Pres.	<b>3000 kpa-4000kpa</b>
ANSI Rating :	<b>600 RTJ</b>		

Tie-In / ESD Locations:		
	13-21-57-19w5	ESD Valve and Pig Receiving Site
	3-3-58-19w5	ESD Valve and Mainline Compressor Site

**Tie In Specifications**

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

Gas Quality – Piping Configuration, Equipment & Reporting	
<b>Dehydration</b>	<b>Production Must be routed to downstream dehydration.</b>
<b>H2S Composition (Max.)</b>	<b>3.9%</b>
<b>Separation Equipment</b>	Effluent-2 Phase – 3 Phase
<b>Condensate</b>	Combined with Gas Stream – Tanked - Trucked
<b>Water</b>	Combined with gas Stream-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>	Recommended
<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.)	3.9%		
Temperature (Max)	50 C		
Water Dewpoint (combined stream)	-10 C		
Condensate	Re-injected or tanked		
BS&W	As per engineered calculation		
Water	Tanked		
Methanol	No		
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	Glycol or Mole Sieve		
Dewpoint Auto Shut-in / Recycle	Required	Set Point:	-10C
Dewpoint Analyzer	Required		
BS&W Analyzer	Required		
BS&W Auto Shut-in / Diversion	Required (Set point determined by engineered calculation)		
Metering – Gas Production	Required		
Metering – Condensate Production	Required if re-injected to sales		
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	Required		

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