



Pipeline Specification Summary

WWP - High Pressure Nordegg Pipeline

General Description:

The High Pressure Nordegg pipeline is an 8 inch High Pressure Dehydrated Sour Gas pipeline starting at 13-21-57-19w5 and ending at 3-3-58-19w5.

Pipeline Static Data:			
Medium:	High Pressure Dry Sour Gas		
License Approval :	45106	License H2S :	3.9%
Diameter :	8"	Length :	
M.O.P :	9930 Kpa.	Normal Operating Pres.	3000 kpa-4000kpa
ANSI Rating :	600 RTJ		

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	
Dehydration	Production Must be routed to downstream dehydration.
H2S Composition (Max.)	3.9%
Separation Equipment	Effluent-2 Phase – 3 Phase
Condensate	Combined with Gas Stream – Tanked - Trucked
Water	Combined with gas Stream-Tanked - Trucked
Metering	EFM (Electronic Flow Measurement)
Fuel Gas – (Site Supplied)	Metered or Estimate
Fuel Gas – (External Source)	No data required.
SCADA	Recommended
Gas & Liquids Sampling	Required
Daily Reporting Method	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		
SemCAMS SCADA :			
Flow Measurement (Sales)	Required		
Remote ESD	Not Required (Supplied at tie-in location)		
Compressor Run Status	Required		
Dewpoint Analyzer Status	Required		

Section C: Tie-In Point – to SemCAMS Pipeline
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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 PSL	Required	Set Pressure:	
TEG Status	Required		