



Pipeline Specification Summary

KA - Tony Creek Extension

General Description:

The Tony Creek Extension Pipeline is a 8" Pipeline which transports High Pressure Dry Sour Gas 11 Kilometers from 07-10-61-22W5 to the SemCAMS Tony Creek Pipeline GGS located at 7-22-61-21W5. Valve Stations and Tie-in points are installed along the length at several locations. Interconnection with other pipeline systems and processing plants has been utilized to re-route gas from one system / plant to another as required.

Pipeline Static Data:			
Medium:	High Pressure Dry Sour Gas		
License Approval :	45112	License H2S :	20 %
Diameter :	8"	Length :	11 Kms.
M.O.P :	9930 Kpa.	Normal Operating Pres.	6500 – 7500 Kpa.
ANSI Rating :	600 RTJ		

Tie-In / ESD Locations:		
STN 01	07-10-61-22	Valve Station – Producer T/I to Talisman Berland Pipeline
STN 02	7-22-61-21	ESD Valve, Control Valve & Tie-in

Tie In Specifications

Section A: WELLSITE Requirements

Gas Quality – Piping Configuration, Equipment & Reporting	
Dehydration	Production Must be routed to downstream dehydration.
H2S Composition (Max.)	20 %
Separation Equipment	2 Phase – 3 Phase
Condensate	Combined with Gas Stream – Tanked - Trucked
Water	Tanked - Trucked
Metering	EFM (Electronic Flow Measurement)
Fuel Gas – (Site Supplied)	Metered or Estimate
Fuel Gas – (External Source)	No data required.
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.)	20%		
Temperature (Max)	50 ⁰ Celcius		
Water Dewpoint (combined stream)	Minus 10 Deg. C at operating pressure		
Condensate	Re-injection		
BS&W	Less than 0.2% or combined less than Minus 10C.		
Water	NO		
Methanol	NONE		
Corrosion Inhibitor Injection	YES	Type:	Champion
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 ⁰ Celcius
Dewpoint Analyzer	Electronic Continuous Monitoring w/ Auto Shut-in		
BS&W Analyzer	Required		
BS&W Auto Shut-in / Diversion	Electronic Continuous Monitoring w/ Auto Shut-in		
Metering – Gas Production	EFM		
Metering – Condensate Production	EFM		
Metering - Water	NONE, as water is tanked		
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	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		