

ATTACHMENT A (In The Matter Of: ConocoPhillips Company)

ConocoPhillips Argenta & Sunnyside Compressor Stations Well Pneumatic Device Retrofit/Replacements Inventory

Schedule:

By no later than 6 months after the effective date of the Final Order, or by 7/1/10, whichever comes later, replace "high-bleed" pneumatic controllers with "low-bleed" or "no bleed" pneumatic or electric-pneumatic controllers at the Compressor Stations.
 By no later than 8 months after the effective date of the Final Order, or by 9/1/10, whichever comes later, replace "high-bleed" pneumatic controllers with "low-bleed" or "no bleed" pneumatic or electric-pneumatic controllers at the well sites.
 Within 60 days of project completion Submit report to EPA certifying project completion within 60 days of project completion - use format below

PNEUMATIC DEVICE RETROFITS/REPLACEMENTS - ARGENTA COMPRESSOR STATION

Make/Model	Type	Location		Number of Devices	Bleed Rate			Low/No-Bleed Retrofit or Replace Device				Bleed Rate Reduction (Mcf/yr)
		Facility Name	Equipment Piece		Volume per Device (cfh)	Total Device Volume (cfh)	Intermittent or Continuous	Install Date	Make/Model	Approximate cost (\$)	Volume per Device (cfh)	
Argenta Compressor Station												
Fisher Wizard 4150	positioner	Argenta CS	Inlet Suction Control	1	33	33	continuous					
Fisher 3610J	positioner	Argenta CS	Inlet Suction Control	1	15	15	continuous					
Fisher Wizard 4150	positioner	Argenta CS	Low Suction Controller	1	33	33	continuous					
Fisher 3582G	positioner	Argenta CS	Low Suction Controller	1	20	20	continuous					
Fisher Wizard 4150	positioner	Argenta CS	High Discharge Controller	1	33	33	continuous					
Kimray Gen II	liquid level controller	Argenta CS	Inlet Separator	1	0.017	0.017	continuous					
Norrisseal 1001A (no bleed)	liquid level controller	Argenta CS	Dehy (lower yard)	4	0	0	continuous					
Kimray T12 (no bleed)	temperature controller	Argenta CS	Dehy (all)	15	0	0	continuous					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #119 Suction Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #119 Discharge Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #120 Suction Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #120 Discharge Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #121 Suction Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #121 Discharge Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #122 Suction Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #122 Discharge Separator	1	2.52	2.52	intermittent					
Norrisseal 1001A (no bleed)	liquid level controller	Argenta CS	Dehy (upper yard)	1	0	0	intermittent					
Invalco Flextube Norrisseal 1018VP/1005P1	liquid controller	Argenta CS	Dehy (upper yard)	1	35	35	intermittent					
Norrisseal 1001A (no bleed)	liquid controller	Argenta CS	Fuel Filter	1	13.2	13.2	intermittent					
Norrisseal 1001A (no bleed)	liquid controller	Argenta CS	Fuel Filter	1	0	0	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #123 Suction Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #123 Discharge Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #124 Suction Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Argenta CS	Compressor #124 Discharge Separator	1	2.52	2.52	intermittent					
Totals:				41		212.457						

TOTAL GAS CONSERVED (Mcf/yr)	TBD
VOC Emissions Reduced (lb/yr)	TBD

PNEUMATIC DEVICE RETROFITS/REPLACEMENTS - SUNNYSIDE COMPRESSOR STATION

Make/Model	Type	Location		Number of Devices	Bleed Rate			Low/No-Bleed Retrofit or Replace Device				Bleed Rate Reduction (Mcf/yr)
		Facility Name	Equipment Piece		Volume per Device (cfh)	Total Device Volume (cfh)	Intermittent or Continuous	Install Date	Make/Model	Approximate cost (\$)	Volume per Device (cfh)	
Sunnyside Compressor Station												
Fisher DVC6000	positioner	Sunnyside CS	Compressor(s) Suction	4	8	32	continuous					
Fisher IZP(11)	positioner	Sunnyside CS	Recirculation Line	1	9.84	9.84	continuous					
Kimray Gen II	liquid level controller	Sunnyside CS	Inlet Separator	1	0.017	0.017	continuous					
Fisher 4195KBE	positioner	Sunnyside CS	Suction Control Valve	1	0.14	0.14	continuous					
Fisher 3610J	positioner	Sunnyside CS	Suction Control Valve	1	15	15	continuous					
Fisher 4195KB	positioner	Sunnyside CS	Recirculation Line	1	0.14	0.14	continuous					
Kimray T12 (no bleed)	temperature controller	Sunnyside CS	Inlet Separator	1	0	0	continuous					
Norrisseal 1001 (no bleed)	liquid level controller	Sunnyside CS	Glycol Contactor	1	0	0	continuous					
Norrisseal 1018-VP	liquid level controller	Sunnyside CS	Fuel Filter	1	13.2	13.2	continuous					
Norrisseal/Dover 1001-1001A (no bleed)	liquid level controller	Sunnyside CS	Fuel Filter	1	0	0	continuous					
Norrisseal 1001A (no bleed)	liquid level controller	Sunnyside CS	Dehy	1	0	0	continuous					
Mallard 3200 (no bleed)	liquid level controller	Sunnyside CS	Compressor #4 Discharge Separator	1	0	0	continuous					
Norrisseal 1018-VP/1005P1	liquid level controller	Sunnyside CS	Compressor #4 Suction separator	1	13.2	13.2	continuous					
Murphy L1200NDVO	liquid level controller	Sunnyside CS	Compressor #3 Discharge Separator	1	2.52	2.52	intermittent					
Murphy L1200NDVO	liquid level controller	Sunnyside CS	Compressor #3 Suction Separator	1	2.52	2.52	intermittent					
Norrisseal 1018VP/1005P1	liquid level controller	Sunnyside CS	Compressor #2 Discharge Separator	1	13.2	13.2	continuous					
Norrisseal 1018VP/1005P1	liquid level controller	Sunnyside CS	Compressor #2 Suction Controller	1	13.2	13.2	continuous					
Norrisseal 1018VP/1005P1	liquid level controller	Sunnyside CS	Compressor #1 Discharge Separator	1	13.2	13.2	continuous					
Murphy L1200NDVO	liquid level controller	Sunnyside CS	Compressor #1 Suction Controller	1	2.52	2.52	intermittent					
Totals:				22		130.697						

TOTAL GAS CONSERVED (Mcf/yr)	TBD
VOC Emissions Reduced (lb/yr)	TBD

*(1) Continuous bleed, intermittent range

