



MID-CON SYSTEM
DOUBLE EAGLE RECEIPT POLICY and PRODUCT SPECIFICATIONS

Petroleum Crude Condensate (product) needs to meet Double Eagle Pipeline Quality Specifications or it will not be accepted for transportation on the Kinder Morgan (KM) system.

The shipper has the sole responsibility to assume and perform the duties of testing the product prior to approval by Kinder Morgan authorized personnel and batch injection. Accordingly, the shipper will isolate, sample, and certify batched product in tankage in accordance with current American Petroleum Institute (API) and American Society for Testing and Materials (ASTM) standard practices. In situations where isolation is not available, KM Quality Control will discuss and define other available options, such as spot oversight testing.

A completed copy of the Supplier Quality Certification (SQC) form needs to be sent to the KM Houston Control Center (HCC) for review prior to batch injection. The third party laboratory analysis will be sent to KM Quality Control and KM Three Rivers Operation for record keeping. To ensure regulatory compliance and acceptance for pumping, the SQC form must be received by the KM HCC **at least 2 hours prior to pumping of the product.**

For all new shippers and new location connections to the Double Eagle Pipeline, an extended analysis must be provided to KM Quality Control, including but not limited to: the Rules and Regulations specifications, color, metals screen, chlorides, hydrocarbon composition, and wax percentage. KM Quality Control reserves the right to request any of these additional tests from current shippers on the pipeline.

Product not meeting Double Eagle Quality Specifications may not be approved by KM HCC for pipeline injection. KM Quality Control reserves the right to review, approve, and deny all incoming product; required retests, request water gauges or water draws, and garnish waivers.

Condensate Properties	General Grade Crude	Chemical Grade Condensate	Approved Methods
API Gravity, °API	38 to 53	54 to 65	ASTM D287, D5002
Sulfur Content, %wt.	≤ 0.40	≤ 0.05	ASTM D2622, D4294
Max RVP, psi	10.0	10.0	ASTM D6377-10
Max TVP, psi	11.0	11.0	ASTM D6377-10
BS & W, %	≤ 0.25	≤ 0.25	ASTM D4007
H2S in Product, ppm	< 2	< 2	UOP 163
H2S in Vapor Space, ppm	< 10	< 10	ASTM D5705
Max Benzene, %	3.0	3.0	ASTM D7900
Max Temperature, °F	120	120	