

Pump Canyon Delivery  
Facility ID- fAPP2123555662

#### System Overview

The LOGOS gathering system flowlines service only LOGOS wells. The gathering systems are all low pressure, sweet natural gas, non-regulated by PHMSA/NMPRC, steel pipelines. The Pump Canyon Delivery system has both above ground and buried lines and was constructed in the 1990's.

#### Routine Operations and Maintenance

LOGOS buried pipelines are marked and identified with the LOGOS emergency contact information, surface lines are not marked but are visible. LOGOS routinely monitors the pipelines for pipeline integrity. A yearly auditory, visual, and olfactory inspection is completed on each of the major systems by walking the pipeline right of ways. LOGOS routinely pigs, at least monthly, all buried pipelines where equipment is available and any additional times that pigging is deemed necessary. Conventional pigging is utilized, and the system is pigged by pigging the lateral lines and the main lines to ensure optimal fluid recovery. LOGOS monitors a variety of parameters including pressures and trending fluid recovery to ensure that the pipelines are maintained.

Pipeline maintenance has been infrequent for LOGOS because of the lack of necessity. If the pipeline was identified to need maintenance the system would first be depressurized to minimize natural gas losses and help, ensure safety for the operations teams. The area would be isolated, production to the area would be ceased, the lines will be pulled down to the minimum pressure and the lateral compression will be used to capture the remaining gas before the pipeline maintenance is performed. There is limited cathodic protection on the LOGOS pipeline systems, LOGOS Pump Canyon pipelines do have some cathodic protection that is inspected yearly. LOGOS has not pressure tested the lines but monitors pressures consistently. Pipelines are dewatered by pigging and surging the lines. LOGOS has separation prior to gas entry into all the natural gas lines which limits the amount of fluid that incurs in the lines.

#### Cathodic Protection, Corrosion Control and Liquids Management

LOGOS pipelines have limited cathodic protection, existing cathodic protection is monitored. LOGOS does not currently treat any of its pipelines directly, if the need arose a program would be implemented. LOGOS fluids are managed by separation after the wellheads and prior to the natural gas pipelines, fluid that does enter the pipelines is maintained by pigging the pipelines. The facilities where the pipelines are delivered to are monitored with at least a weekly auditory, visual, and olfactory inspection. The tanks are electrically gauged with high tank kills where available, Rosa East, and are otherwise manually gauged and maintained by the operations teams, both routinely and when pigging and during possible overflow events. Venting is heavily managed by the separation that occurs after the pipeline but before the delivery points.

#### Procedure to Reduce Releases

LOGOS' goal is to optimize the recovery of natural gas. Venting is minimized whenever safely and feasibly possible. During routine maintenance and the event of an emergency the depressurization procedure would be followed. The leak, or maintenance area, will be isolated, then gas production to

the area will be stopped and the line will be pulled down to maintain or repair the issue and optimize natural gas recovery. LOGOS is the primary company that flows into these pipelines, where there are upstream operators, operators will be notified immediately in the event of an emergency to reduce the amount of natural gas vented from upstream operations. Within 12 hours the operator will be provided additional data including the expected duration of the event and will be provided a written confirmation of the verbal notification, including the date, time, person, and telephone number to whom the verbal notification was provided within 24 hours. LOGOS will notify upstream operators where applicable, 14 days prior to the date of scheduled maintenance via a written notification including the expected system maintenance date and the duration of the maintenance. LOGOS emergency response plan is the same as above but includes isolation, minimization, and notifications, as necessary. LOGOS utilizes an online form to report unrecovered natural gas from the operations teams to the regulatory department. The volume of natural gas is determined, and the proper reporting is completed to the regulatory agencies by the regulatory team.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 43939

**QUESTIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 43939
	Action Type: [NGGS] NGGS Operations Plan (NGGS-OP)

**QUESTIONS**

<b>Verification</b>	
Does the operator own the selected facility	Yes
Is the selected facility a natural gas gathering system	Yes

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**ACKNOWLEDGMENTS**

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Gathering System Operations Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.