

Project Title: KOG Midway Booster Pump Station
PU-18-024

Reporting Date: **June 21, 2019**

1. Project Overview

Project Managers: Clay Anderson
Project Location: SOR, Keene ND

2. Project Status

2.1. Performance Indicator Explanation

- Safety: N/A
- Schedule: Pumps shipment scheduled for Monday, June 24th.
- Quality: Nord/NOV cooler design. Additional booster pump skid engineering required to accommodate oil cooler (i.e.: MCC, wiring, programming)

3. Summary of Progress

3.1. Key Accomplishments since last reporting

- 17-Jun
X-ray, sandblast, & coating of pipeline
- 18-Jun
Backfilled on lowered pipe
- 19-Jun
Backfilled on lowered pipe
- 20-Jun
Shop spools completed for scheduled shutdown. Path forward on HP Pump Cooler requirements. Engineering and sourcing on required starters for cooler motor and oil pump motor (estimated 1-2 week lead time plus shipping)
- 21-Jun
Shop spools mobilized to site for shutdown (24/Jun/19). Survey on piping welds and ROW. Booster pump(s) in paint.

3.2. Major Activities Planned for next reporting

- Start pump skid fabrication
- Midway valveset shutdown/tie-in (21/Jun/19)
- Onsite weld, x-ray, sandblast, coating and backfilling

4. Project Schedule Summary

Milestones	Planned Date	Revised Date	Actual Date	Comments
Civil construction complete	29-May-19		31-May-19	On-target
MN Limited Mobilization	3-Jun-19		3-Jun-19	Pushed due to John Crane, Moyno & 3rd party critical parts
Pump Performance Test complete	8-Jun-19		8-Jun-19	
Pump shipment date	12-Jun-19			Nord gear reducer dependent
Pump arrival	24-May-19	20-Jun-19		Pushed due to John Crane, Moyno 3rd party critical parts, and Nord gear reducer heating concerns.
KOG Shutdown for piping tie in complete	25-Jun-19	24-Jun-19		
Start-up	27-Sep-19	30-Sep-19		Pump delay