



**SPARTAN JAVELIN WITH FRACLOCK WELLHEAD CONNECTIONS:  
CASE STUDY #5: MIDLAND BASIN POST JOB RECAP**



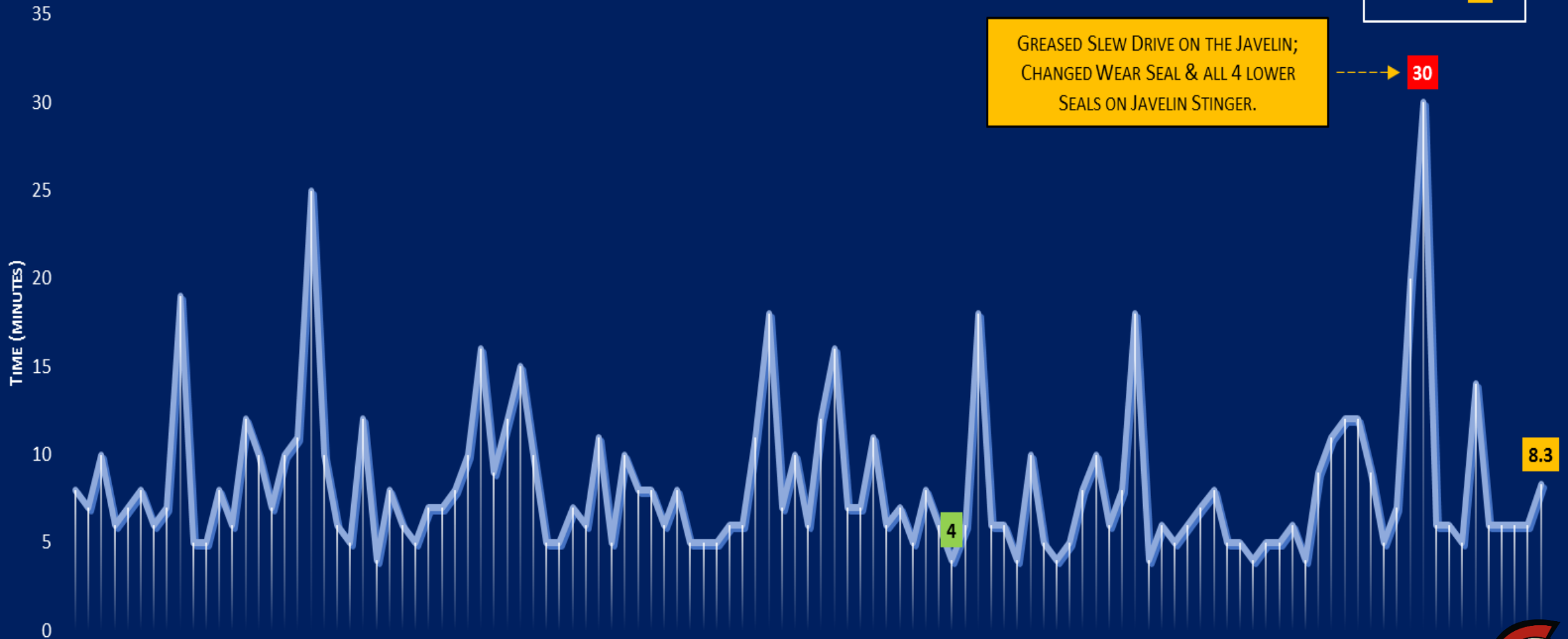
# JOB SUMMARY...

- **AREA OF OPERATION: MIDLAND BASIN**
- **NUMBER OF STAGES: 113**
- **NUMBER OF WELLS: 2**
- **WELL SPACING: 20'**
- **TOTAL SAND PUMPED: 37,718,485 LBS.**
- **AVERAGE SAND PER STAGE: 333,792 LBS.**
- **TOTAL PUMP TIME: 184.9 HOURS**
- **AVERAGE PUMP TIME PER STAGE: 1.6 HOURS**
- **AVERAGE STAGES PUMPED PER DAY: 10.3**
- **AVERAGE STAGES PER 24-HOURS: 11.1**
- **MAX STAGES PUMPED IN A DAY: 12**
- **AVERAGE JAVELIN TRANSITION TIME: 8.3 MIN.**
- **AVERAGE PUMP RATE: N/A**
- **MAX PUMP RATE: 100 BPM**
- **AVERAGE TREATING PRESSURE: N/A**
- **MAX TREATING PRESSURE: 8,500 PSI**



# FIELD CASE STUDY #5: MIDLAND BASIN, 2-WELL PAD

## SPARTAN JAVELIN TRANSITION TIMES



## CASE STUDY #5: MIDLAND BASIN, 2-WELL PAD

### FRAC EFFICIENCY



- ~76% FRAC EFFICIENCY FOR DURATION OF THE JOB IS NEW HIGH WHEN USING THIS SYSTEM ON A 2-WELL PAD
- ~21 PUMP HOURS IN A SINGLE DAY IS NEW HIGH WHEN USING THIS SYSTEM ON A 2-WELL PAD

