

ATTACHMENT A – PILOT SKID TRAILER SPECS



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SPARGE SYSTEM SPECIFICATIONS

- Gast Model 6066 rotary vane compressor powered by 15 HP, Kohler gas engine capable of developing up to 37 scfm of flow at 15 psig at 5,200 ft.
- passive tube and fin heat exchanger to decrease temperature of sparge blower discharge prior to wellhead
- in-line venturi flow sensor connected to magnahelic flow indicators calibrated for scfm
- high range flow indicator calibrated for 0-40 scfm; low range flow indicator calibrated for 0-15 scfm.
- 1" globe flow control valve and 1" manual bleed valve and muffler to facilitate precise flow and pressure adjustments
- 1" galvanized steel discharge piping with safety pressure relief valve, pressure and temperature indicators @ blower discharge

SVE SYSTEM

- Roots Model URAI 33 rotary lobe SVE blower powered by 15 HP Kohler gas engine capable of developing 70 scfm @ 100" w.c. vacuum at 5,200 ft
- discharge silencer
- 80 gallon KO tank with sight tube and manual drain valve
- 10 micron in-line inlet air filter
- 2" inlet control valve and 1-1/2" manual bleed valve and bleed inlet filter/silencer for precise flow and vacuum adjustments
- in-line venturi flow sensor connected to magnahelic flow indicators calibrated for scfm
- high range flow indicator calibrated at 0-130 scfm; low range flow indicator calibrated 0- 40 scfm
- vacuum relief safety valve and inlet vacuum and temperature indicators
- 1-1/2" galvanized steel process piping with safety vacuum relief valve
- sample ports at KO tank inlet, before bleed valve, and at blower discharge

MISC.

- equipment is skid mounted on 10' long x 6' wide utility trailer complete with 24" x 60" locking job box to hold test equipment, tools, and hoses.
- gas for engines supplied from 30 gallon tank with fuel level indicator to allow for extended pilot testing without stopping for refueling.
- (1) 15 ft section and (1) 20 ft section of 2" petroleum rated hoses with cam-lock connectors.
- field kit available complete with various wellhead connections for connecting to test well and monitoring points and several ranges of Dwyer magnehelic® gauges for monitoring pressure/vacuum response at test wells and monitoring points

PILOT TESTING PERSONNEL SUPPORT

PTS can provide an experienced operator to run the pilot test equipment and also to assist customer with pilot test activities. The operator will primarily be responsible for operating and making adjustments to flow and pressure/vacuums as required to meet customer test requirements. In addition the operator will be available to assist customer with other test activities including completion of connections to test well and monitoring points and assistance with data collection as needed.

EQUIPMENT/INSTRUMENTATION TYPICALLY SUPPLIED BY CUSTOMER

It is assumed that customer will supply the following equipment or any other monitoring equipment required to monitor required test parameters.

- water interface probe
- portable DO meter with cord to reach static water depths
- PID with 0-10,000 ppm fullscale range/or 10:1 dilution probe
- air sampling pump and tedlar sample bags