

# Wireless Wellhead Monitoring and Plunger Lift Solution Using DH1 Base Unit Gateway



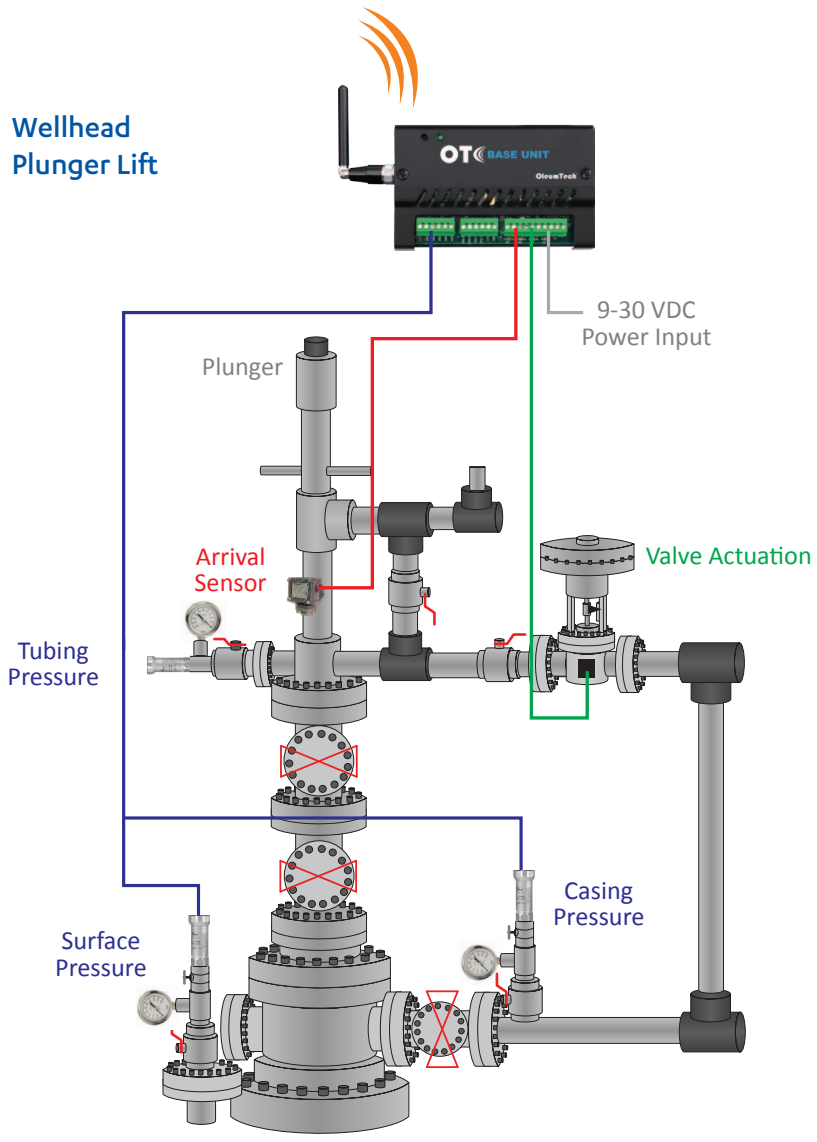
APPLICATION DRAWING

### HIGHLIGHTS

- Monitor casing, tubing, surface, and flowline pressure levels
- Monitor plunger arrival and keep count
- Enable valve actuation using discrete output(s)
- Ethernet or Serial connectivity to core data infrastructure
- Robust and secure RF network with high scalability
- Swift deployment
- 1 second minimum Tx update rate
- Serial Modbus Master/Slave interface
- External 9-30 VDC power input



## Wellhead Plunger Lift



## OTC Wireless Sensor and I/O Network

- Robust, Scalable Wireless
- Point-to-Multipoint
- Peer-to-Peer
- Secure AES Encryption
- License-Free ISM Band

### DH1 Base Unit Gateway WG-0900-DH1 / WG-2400-DH1

- 4x AI (0-5 VDC Pressure Sensors)
- 2x Discrete Inputs (Arrival Sensor + Count)
- 2x Discrete Outputs  
(Valve Actuation via Interposing Relay/Solenoid)
- Modbus Master/Slave (RS232/485)
- 9-30 VDC External Power Input
- Class I, Division 2
- 900 MHz Range: Up to 40 miles (64.4 km)
- 2.4 GHz Range: Up to 4.3 miles (9.2 km)
- 1 Second Minimum Tx Update

