



Progressive Optimization Services

Progressive Optimization Services (P.O.S.) is an Oil and Gas Optimization Service company based out of Grande Prairie, Alberta with offices in Edson, Alberta and Ft St John British Columbia our operations staff service North West Alberta From Drayton Valley all the way to Rainbow Lake and all of North East BC delivering technically advanced, cost effective optimization solutions to the oil and gas industry.

Our highly trained Field Technicians are competent with all our specialized equipment and maintain to the highest Safety Standards you can be assured that a job done by us is a job done right.



Progressive Optimization Services is committed to forging long term business relations with a dedication to customer service, technically advanced equipment, and cost effective pricing.



We Provide:

Slickline Services

Plunger Lift Systems

Dynamometer Analysis

Inline Testing

Optimization Trailers

Acoustic Fluid Level Survey

Annular Fluid Depression Test

AWS Pressure Surveys

Surface Casing Vent Testing

Packer Isolation Testing

Contact Information

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Slickline Services

Our Slickline services reduce well intervention costs and increase production. Experienced, well trained personnel can reduce the frequency of trips into the well and restore full production with a minimum of nonproductive downtime. With the addition of our Slickline trucks we can now combine this with our Plunger lift service, placing the bumper spring with our equipment ensures there is no additional costs due to miss coordination of services with others. This also enables us to offer a guaranteed contract price to install a complete system allowing us to do our job more effectively while saving the customer money.

POS has two complete Slickline units available along with pickers to service North West Alberta and North East BC. Each unit is

- Equip with .125 line
- Capable of sweet and sour work
- Full tooled for every job
- New and reliable equipment
- Safety Compliant
- Available 24 hours





Acoustic Fluid Level Survey

Determination of the bottomhole pressure in a producing well is very important. A non-foamy fluid level and casing pressure are used to determine the producing bottomhole producing pressure, and when used in conjunction with the static bottomhole pressure, an IPR curve can be developed which is the first step to optimizing production rates from any producing well.

Inflow Performance Relationship (IPR)

An IPR or deliverability curve is a plot of the calculated relationship between inflow and sandface drawdown. The IPR of a well graphically shows the producing efficiency and helps determine if there is incremental production available

Annular Fluid Depression Test

A foam depression test is designed to calculate accurate producing pressures in pumping wells by conducting a series of fluid level shots. The initial shot is conducted at the time that the casing valve is closed (note: the well is still pumping during the test, only the casing valve is closed). Subsequent fluid levels are taken following the closing of the casing valve, and the fluid level is tracked as it moves down the wellbore. Based on the change in interface pressure and the change in fluid level, the annular gradient can be determined. This gradient or combination of gradients is used to determine the producing pressure at MPP. An annular fluid depression test is generally conducted if a significant amount of fluid is indicated in the annulus after the first shot (Using an “assumed” annular liquid gradient could introduce great inaccuracies in producing pressure calculations).



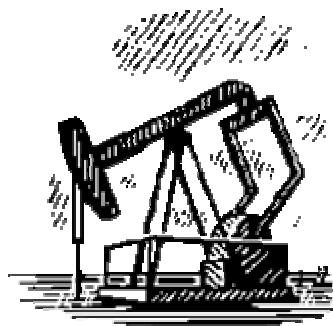
Oil Services

Dynamometer Analysis

A dynamometer measures the amount of weight along the axis of the polished rod during any one pumping stroke at any moment of time. This can identify loading conditions on the surface and down hole equipment, production potentials and/or mechanical inefficiencies within the pumping unit. POS experienced staff can evaluate and make recommendations as to the proper potential weight positioning for effective balancing, sheave sizing for speed adjustment and possible stroke length adjustment.

POS reports consist of the following:

- Surface Equipment Analysis
- Down hole Schematic
- Valve checks
- Visual Inspection
- Diagnostic Information





Progressive Optimization Services

Inline Testing

POS has a full line of mobile test trailers designed for inline gas measurement and G.L.R (gas liquid ratio) testing.

Test trailers feature:

- The Mtrac controller that provides real-time measuring and sensing of equipment and processes can also be used to optimize wells.
- High Operating Pressures up to 1450 psi / 9997 kpa
- Gas throughput up to 70 E³ per day
- Liquid capabilities of 8m³ per day
- Satellite Communications Equipped.
- Equivalent Heli Portable unit available





Regulatory Testing

AWS Pressure Surveys

AWS pressure surveys determine the reservoir pressure from surface using pressure transducers and sound waves on oil and gas producing wells. Automated well-head equipment is attached to a well to measure the fluid level, casing head pressure and surface temperature at a predetermined schedule for a period of time necessary to accurately determine the reservoir characteristics. Analysis of acoustic pressure survey data can also detect the existence of near wellbore formation damage that prohibits the entry of fluids into the casing, reservoir boundaries, communication, production capabilities and much more.

Surface Casing Vent Testing

90 days after a new well is drilled it is a requirement to perform a leak test. If it fails, measuring the gas flow and pressure buildup within the surface casing can determine if corrective repairs are required. Yearly reports are required to be submitted on existing wells with a previously documented vent flow.

Packer Isolation Testing

Most Regulatory Agencies have developed recommended test procedures to provide guidance for determining an accurate evaluation of the hydraulic isolation of the tubing/casing annulus. A P.O.S. technician will design a test procedure which is adequate to prove hydraulic isolation





Optimization Trailers

These trailers can be easily installed on existing plunger lift systems that require optimization. Using the MTrac controller on all of our trailers we can constantly makes changes until the well is optimized to its ultimate potential by continually monitoring tubing, casing and line pressures and by taking control of the motor valve between the wellhead and the flow line. All of our trailers are equipped with satellite communication systems allowing the customer to watch the progress of the optimization process.





Plunger Lift Systems

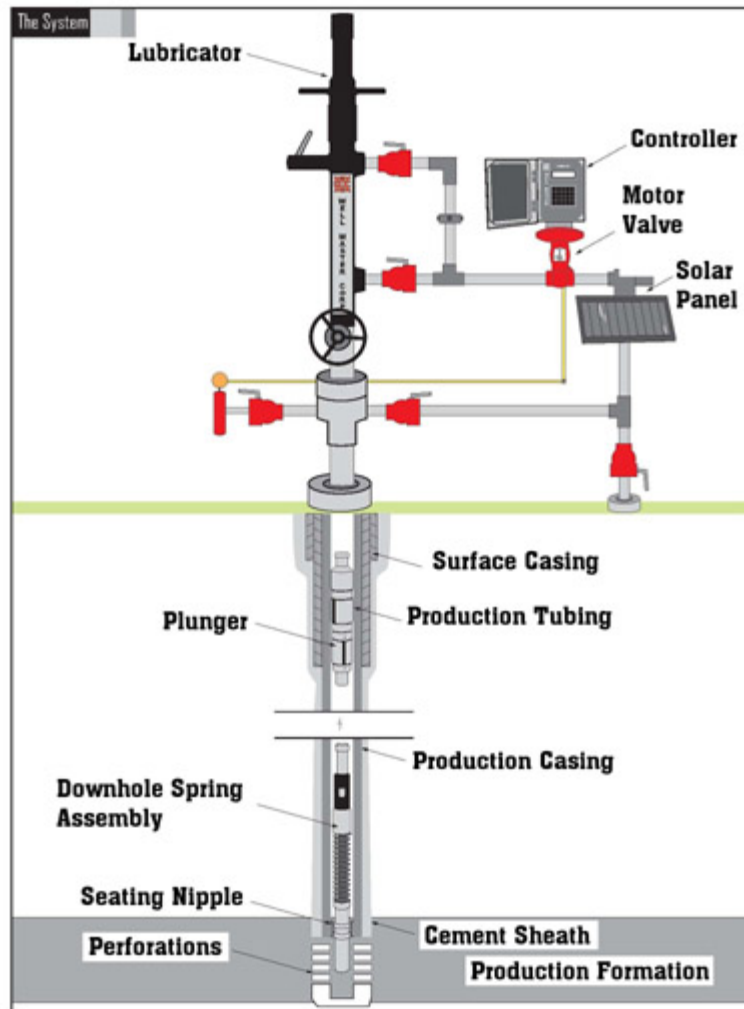
POS offers full turnkey installation and servicing of most plunger lift systems; no need to hire various vendors when one call does it all. POS can supply the Slickline, Install the complete system, supply all required components, Supervise job from start to finish, have our Optimization Technician ensure system is working to its highest capabilities and provide Engineering support ensuring well meets candidate criteria.

Some background; In the early stages of a well's life, liquid loading is usually not a problem. When rates are high, the liquids are simply carried out of the tubing with the high velocity gas. Eventually, the daily rate and velocity gradually decrease until the critical flow rate is reached. Below the critical flow rate, heavier liquids do not make it to the surface and start to fall back to the bottom exerting back pressure on the formation, loading up the well.

Plunger lift systems are low cost, effective methods of unloading gas wells and high gas/liquid ratio oil wells without interrupting production.

In operation, a plunger travels to the bottom of the well where the fluid is picked up by the plunger, acting as a swab, and is brought to the surface removing all liquids in the tubing. It also keeps the tubing free of paraffin, salt or scale build-up. Fluid removal prevents loading and keeps the well from dying. With continual removal of all produced liquids, there is less fluid weight on the formation, causing great productivity of the well. This system uses the well's own energy requiring no additional power expense.

All types of controllers are available from basic to very sophisticated self optimizing.



Typical System



Plungers



Lubricator



Controller