



MWD Job Description

Position Title: MWD Operator (MWD – **M**easurement **W**hile **D**rilling)

Reporting to: MWD Coordinator

Primary Role:

To operate MWD equipment within Standard Directional to successfully deliver the client's drilling project requirements. The MWD Field Operator is responsible and accountable for all MWD activities at the well-site including all related MWD equipment and procedures, and effective troubleshooting and failure analysis.

Secondary Role: (if applicable)

Responsibilities:

- Operate MWD equipment to successfully deliver client requirements to the correct standard
- Under remote supervision, tests all tools and equipment before, during, and after each job.
- Provides technical expertise in areas which include mud hydraulics, pore pressure analysis, formation evaluation, drilling tendencies and mud systems.
- Ensuring all required equipment arrives at the well-site and is returned post job.
- Communicating with the Directional Driller/Drilling Foreman to ensure all MWD requirements at the rig site are met.
- Setting up all required MWD hardware at the well-site including checking/testing all MWD tools
- Ensuring and verifying that all drill collars and subs required for operating the MWD system are present at the well-site.
- Provide interpretation of MWD data to the client and/or directional drilling supervisor
- Completing and submitting all required paperwork accurately and in a timely manner.
- Ensuring that MWD system parts are serviced immediately upon completion of the job.
- Ensuring all upgrades and modifications are completed to the MWD system hardware and software as advised by the MWD Coordinator/Operations Manager.
- Ensure field vehicle and MWD equipment is in safe working order and compliant with all regulations during the job
- Ensuring all allocated MWD field equipment, stock and tools match the required standards as laid down by Standard Directional operating procedures. Report all exceptions, damage or missing inventory
- Ensure all safety requirements of field MWD operations are adhered to and be fully aware of all requirements detailed within the safety manual

- Assist with training for apprentice field staff when required
- Responsible for appropriate care of vehicles, equipment and tools ensuring optimization of up time for the MWD equipment
- Ensure project activities comply with COR standards
- Work with the MWD Coordinator and Operations Manager to resolve technical site issues
- Maintain sustainable client relationships by supporting the Standard Directional drilling and client rig teams in providing MWD technical expertise and client consulting

Interdependencies

MWD Coordinator
MWD Operations Manager
Directional Drillers
Shop Technicians
Field hands
Clients
Machine Shop

Accountable for:

COR compliance
Client satisfaction
Equipment up time and inventory control
Job site MWD safety
Failure analysis and effective on site trouble shooting

Empowered to make which decisions?

All well site decisions related to the smooth operation of the field MWD operations within the prescribed scope of the companies standard operating procedures. Any major operational events will be cleared with management before taking place.

Core Competencies (How can we measure your performance?):

Equipment condition – meeting required standards
Client satisfaction through successful project job delivery
Effective problem resolution within the MWD rig site operation

Future Builds (what tasks and critical skills will be required in the future):

Coaching and mentoring apprentice MWD operators

Skills, experience and Knowledge Base Requirements:

Experience (What kind of experience should someone have to perform well):

MWD experience.
Possession of at least twelve months experience as a MWD operator.
Equivalent experience typically, at least five (5) years experience of survey or MWD experience.
Detail orientated

Knowledge: (market, business, technical, operational, job specific)

Knowledge and application of basic engineering and logging principles
Ability to read and interpret designed well plans and to interpret logging information and

<p>other well-site data Ability to demonstrate technical aptitude to standards required Good arithmetic, data entry, and recording skills, Proven competency in computer software. Skills typically acquired through completion of an undergraduate degree in engineering, science, geology, or other technical discipline or equivalent tool pusher experience within the field Good understanding of rig technology and working practices</p>
<p>Customer Influence (education, training, selling, service) Good customer focus and able to maintain that in a well site environment Is credible as a technically proficient operator Resilient when providing technical solutions and impact assessments</p>
<p>Communication (verbal, written, interpersonal) Good verbal, written and interpersonal communication skills Able to communicate potentially complex scenarios effectively and with credibility</p>
<p>Leadership (managing people, departments, operations, counseling) Problem solving skills. Ability to take make effective recommendations to resolve issues</p>
<p>People management (coaching, mentorship, development, motivation) Team oriented – provide support, motivation, and encouragement to team. Mentor and develop apprentices as required</p>

Educational Requirements:	
Designation:	High School Diploma Petroleum Technology Diploma and/or Degree in a related Engineering discipline an asset
Specialized Educational needs:	Directional drilling measurement theory
Supplementary Educational Needs:	Safety certifications

Physical Requirements:
<ul style="list-style-type: none"> • Squatting / Bending / Kneeling / Stair climbing / Reaching / Twisting • Stand / Walk for intermittent periods • Sit for extended periods • Occasionally Lift / Carry weights to 30 lb • Occasionally Push / Pull weights to 50 lb • Ability to drive long distances in remote areas • Ability to work at heights 30 ft above ground • Extensive use of PC, Peripherals and telephony

Safety Requirements:
<ul style="list-style-type: none"> • Promote a safe and healthy work place • Report and escalate unsafe practices • Consistent use of proper Personal Protective Equipment (PPE) • Maintain current required safety certifications • Attend regular safety meetings