

# RYAN WALLACE

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## EXPERIENCE

### **Five Wallaces Consulting and Inspection | Alberta**

**Construction Manager Direct Pipe/HDD CNOOC International** Oct 2019 – Mar 2020

- Manage a team of 5 construction supervisors and a work force up to 80 workers on a project installing twin 48" lines 700m in length using Direct Pipe methods.
- Manage contracts in the field for HDD and Direct Pipe projects both Lump Sum and T&M.
- Work with Engineering and SCM to modify contracts and project execution for HDD to protect clients interests, improve safety and efficiency.

**HDD Supervisor CNOOC International** August 2019 – Oct 2019

- Asked to join multiple bore project after failures and cost/schedule overruns, completed bore safely, in less time and 33% under cost of previous bores on project.
- Prior to commencing work, conducted rig inspections to eliminate high risk hazards and identify items for continuous improvement.
- Supervise and direct work to drill for and install 720m NPS 30 line in the Anzac area using an AA440.
- Train workers on safe work practices and procedures. Enforce safety policies of the client.
- Optimize operations within current contract to achieve cost savings on bore under my direction.
- Responsible for Drilling operations, HSE, reporting, cost tracking and evaluation.

**Drilling Superintendent (Relief) SAGD CNOOC International** July 2019 – August 2019

- Oversee drilling operations on 2 projects, SAGD Infills and new well pairs in the McMurray formation.
- Monitor, assess and optimize performance of drilling operations.
- Ensure the entire project has a proper safety culture and adheres to the company HSE program.
- Conduct rig calls, ensure programs are being followed and are accurate, inform team of activities.
- Manage contractors and costs within superintendents scope.

**Drilling Supervisor SAGD Nexen Cnooc Ltd** July 2018 – July 2019

- Supervise drilling operations for SAGD pairs on new pads 1100-1500mMD, 210-240mTVD in McMurray formation.
- Supervise drilling operations for SAGD infill wells 1100-1500mMD, 210-240mTVD in McMurray formation.
- Supervise drilling operations for Slant observation wells into the McMurray formation.

- Supervise trial of RSS in SAGD infill wells.
- Carry out build and lateral sections with GWD 40 and GWD 90 systems.
- Work closely with a large team of engineers to ensure optimized completion of drilling.
- Troubleshoot and correct bond log issues in depleted formation using different mud systems, cementing procedures and parameters.

***Drilling Supervisor SAGD OSUM Production Corp*** March 2018 – July 2018

- Supervise drilling operations for SAGD wells 1800mMD, 410mTVD in the Clearwater formation.
- Carry out critical cement jobs requiring slow displacements and squeezing in to formation.
- Organize services and equipment required for efficient day to day operations on site.
- Relay results and information to the drilling team through accurate reports and communication.
- Ensure accurate well placement with tractors and ranging technology.
- Optimize drilling fluids to ensure proper inhibition, hole cleaning and well conditions.

***HDD Inspector*** March 2018 (Single Bore)

- Provide inspection services for a 546m bore under the Elk River near Drayton Valley for Pembina.

**Mears Canada Corp | Alberta/Saskatchewan**

***HDD Rig Manager*** September 2017 – March 2018

- Supervised the drilling for and installation of NPS 36 under the South Saskatchewan River with an AA 880 and an AA 440 catch rig. Line 3 Replacement.

**Robert B Somerville HDD | Alberta**

***HDD Rig Hand/Tank Hand/Driller/Rig Manager*** September 2016 – September 2017

- Worked from Roughneck to Rig Manager over a 3 month period due to hard work and experience.
- Drilled on American Augers 440's and a 220.
- As Rig Manager supervised the drilling for and installation of multiple (14) NPS 16 and 24 lines in the Fox Creek, Whitecourt and Westlock areas as well as drilling for and installation of (2) NPS 20 lines in Calgary.
- Responsible for all day to day operations on rigs including HSE issues and decisions related to the success of bores.
- Drastically improved efficiency, productivity and safety on the 220 I managed, resulting in an increase in profitability and improving reputation.
- Wrote Robert B. Somerville's HDD Safe Work Practices Manual.
- Developed and revised JHA's for HDD specific tasks.
- Carried out multiple repairs and modifications to the HDD rigs and mud systems.
- Trained new and experienced hands on proper safe work practices, efficiency, drilling fluids and drilling practices.

**Five Wallace's Consulting | Calgary Alberta**

***HDD Inspector/Construction Coordinator*** December 2015 – September 2016

- Provided Inspection services for bores up to 380m in length, pulling back 3", 6" and 8" pipe for Chevron in Fox Creek.
- Ground ranged from Muskeg to Bedrock.

- Lined up all bore support and services.
- Generated detailed daily reports to submit to client and head office.
- Work with Paladin Crossings involved bids, contracts, pre-job planning and JHA creation.

#### ***HDD Drilling Fluids Specialist August 2015 – December 2015***

- Contracted to provide drilling fluids instruction and advice for crossing the Liard and Mackenzie Rivers of MVFL project.
- Also provided advice in regards to adverse ground conditions and assisted in the selection of bits, BHA and drilling parameters.
- Worked on a. Hak's Vermeer 220 and Herrenknecht 400-ton rig while doing so.

#### ***Drilling Wellsite Supervisor Heavy Oil/Core/Delineation December 2011 – August 2015***

- Coordinated drilling on up to 12 drilling rigs for fluid to surface investigation wells and core project.
- Supervised drilling on multiple 450-600m vertical core wells in Primrose and Wolf Lake, core sections ranged from 30-80m coring the Grand Rapids, Clearwater and McMurray formations.
- Supervised investigation wells in Primrose including S-Curve, slant and vertical core wells, wireline and conventional cored Fish scales, Westgate, Viking, Joli Fou, Grand Rapids and Clearwater formations. Core sections ranged from 40-570m. Some wells with abnormal pressures at shallow TVD. Some wells were cored from surface to TD.
- Supervised multiple vertical plug tracking re-abandonments in Primrose. Plug tracked from inside surface casing to open hole 200-250m, followed open hole and plug tracked bottom plug 350-400m.
- Supervised wash over re-abandonments removing 177.8mm surface casing, finding parted casing, washing over bottom fish or cement plugs with casing or plug tracking tools.
- Supervised drilling on 45-degree spud, 125mTVD horizontal wells in McMurray water sand for dewatering open pit mine in Fort Mackay.
- Supervised drilling on vertical and s-curve salt caverns coring both Prairie Evaporate and Lotsberg salt formations in Kirby.
- Supervised twinning re-abandonments in Primrose, drilling 450-550m vertical wells 2-5m from original wellbore and squeezing cement. Some wells crossed over original wellbore with directional tools.
- Supervised plug tracking on vertical wells with gas migration and vent flows in Athabasca.
- Supervised drilling of 520mTVD horizontal water injection wells in Kirby injecting into the McMurray water sand.
- Supervised 45-degree slant injection wells in depleted Sparky formation.
- Supervised abandonments in Primrose on gas wells with parted 114.3mm main hole casing.
- Supervised drilling on Slant heavy oil wells in Bonnyville, Frog Lake, Fishing Lake, Lloydminster and Wolf Lake. Wells ranged from vertical to 65 degrees, 450-1150m. Utilize wireline logs up to 60 degrees and tubing conveyed logs when needed.
- Supervised drilling on 2 S-Curve core wells with potential for sour gas and pressure in Wolf Lake. Cored Grand Rapids and McMurray formations in close proximity to steamed area.

#### **Qmax Solutions | Calgary Alberta**

#### ***Drilling Fluids Supervisor August 2008 – December 2011***

- Lead hand on Nexen Long Lake SAGD project running "PolyTar" SAGD specific polymer.
- Ran Amine polymer on micro frac wells (cap rock integrity testing) in Primrose that resulted in 7 days of trouble free logging.

- Worked on SAGD projects in Long Lake and Fort Mackay requiring storing mud and batch drilling.
- Completed in house WBM, OBM and contaminants courses with top marks.
- Ran Salt Saturated mud on cored salt cavern wells in Kirby and work overs of salt caverns milling casing in Fort Saskatchewan.
- Looked after multiple core rigs running core specific muds in Primrose, Grouse, Jocelyn Creek areas.
- Ran KCl mud drilling build sections as an alternative to Amine in Fort Mackay for Petro Canada.
- Ran oil sand specific polymer for ET Energy DSP project in Fort McMurray on reverse circulating rig.
- Worked with service rigs trying to repair parted casing in wells where formation had sloughed in by Lloydminster.
- Ran Amine polymer on 444mm water source wells in Horn River Devonian formation.

## **Akita Drilling/Precision Drilling/Weatherford Co-Rod | Alberta**

***Roughneck to Driller*** October 2003 – August 2008

- Worked on drilling rigs on a wide range of wells including SAGD (Devon Jackfish, MEG Christina Lake, Conoco Surmont, Husky Tucker Lake) Cyclic Steam (Imperial Cold Lake), Coal Bed Methane multilaterals (Talisman Fort Assiniboine), verticals and core wells.
- Worked on service rigs on slant and vertical wells carrying out work overs, completions and re-completions (Bonnyville, Lloydminster, Elk Point and Cold Lake).
- Maintained equipment including rig, pumps, tanks and loaders.
- Responsible for the safety and training of crews.

## **Department of National Defense | Alberta/Ontario/Quebec**

***Journeyman of Aircraft Structures*** June 1999 – October 2003

- Achieved the rank of Corporal and Journeyman status in my trade.
- Attended CFSATE 1-year technical school for Aircraft Structures.
- Carried out structural repairs on CF-18 fighter jets, helicopters and support aircraft.
- Perform regular security duties on quick response aircraft when required.
- Day to day work included metalworking, machining, refinishing and welding on aircraft and equipment.

## **EDUCATION**

***Qmax Solutions In-House Mud School*** 2008

- Completed WBM, OBM and contaminants courses with top marks.

***Canadian Air Force Aircraft Structures Technician*** 1999

- Graduated 1-year technical school top of my class.

## **CERTIFICATIONS**

- API 1169 Certification - 89153
- Second Line Supervisors Well Control
- Ground Disturbance Supervisor Level II
- Safety Management and Regulatory Awareness

- H2S Alive
- First Aid with CPR Level C
- WHMIS
- PST 2.0
- Leadership for Safety Excellence
- Second Line Supervisors Well Control
- PCST
- CSTS-09
- OSSA-BSO
- AEMA Incident Command System ICS-200
- Special Oilwell Boiler Certificate