

# Ryan Wallace

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## EXPERIENCE

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### Trenchless Superintendent

February 2021 - May 2021

Ledcor Kiewit Transmountain Partnership | Burnaby, British Columbia

- Develop detailed execution plans for complex bores to be completed with HDD and Direct Pipe Methods.
- Create deliverables and assist subcontractors in creating deliverables and method statements that meet strict client specifications.
- Liaise with subcontractors and client representatives on issues related to the HDD and Direct Pipe bores.
- Work with the engineering team to find solutions for HDD and Direct Pipe related issues in environmentally sensitive urban construction areas.

### Operations Manager - Direct Pipe

August 2020 - February 2021

Kramer Direct Ltd | Calgary, Alberta

- Work with team and engineering group to develop plans for new retractable micro tunnel boring machine for installing casing for Horizontal Directional Drilling.
- Work with field supervision to install large diameter pipeline (48 inch) for the high-profile CGL Pipeline.
- Ensure compliance to client specification, plan, permit requirements and submittal requirements.
- Manage operations for installation of large bore pipelines using Direct Pipe methods.
- Provide leadership to a developing team of Superintendents, Rig Managers, crews and Office personnel.
- Responsible for the company implementation of HS&E programs and adherence to applicable OH&S regulations.
- Support upper management through contract management and project management duties.
- Responsible for cost tracking, deliverable creation and documentation submissions using MS Office Suite.

### Horizontal Directional Drilling Inspector

March 2020 - August 2020

Stantec/TMEP | Edmonton, Alberta

- Provided HDD inspection services on large bore Horizontal Directional Drills.
- Build strong relationships with HDD Contractors
- Conduct daily reporting on progress of the HDD Contractor monitoring development of events and timelines.
- Ensure adherence and compliance with TMEP HS&E regulations including COVID-19 protocols.
- Maintain reputation and look after clients interests in an urban construction setting.

### Construction Manager for Direct Pipe and Horizontal Directional Drilling

October 2019 - August 2020

CNOOC International | Anzac, Alberta

- Manage a team of 5 construction supervisors and a workforce of up to 80 workers on a project installing twin 48 inch lines 700 in length using Direct Pipe Methods
- Manage contracts in the field for HDD and Direct Pipe projects both Lump Sum and Time and Materials.
- Work with Engineering and SCM to modify contracts and project execution for HDD to improve safety, efficiency and reduce costs.
- Work with suppliers to ensure company cultures and goals align.
- Liaise with facility representatives on settlement monitoring and contingency planning.

### Horizontal Directional Drilling Supervisor

August 2019 - October 2019

CNOOC International | Anzac, Alberta

- Asked to join a multiple bore project after history of failures and cost/schedule overruns, complete 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

improvements.

- Supervise and direct work to drill for and install 720m NPS30 line in the Anzac area.
- Train workers on safe work practices and procedures, enforce high standards of safety in an oil sands environment.
- Optimize operations within the current contract to achieve a cost savings on bores.
- Responsible for drilling operations, HS&E, reporting, cost tracking and evaluation.

### **Oil and Gas Well Drilling Superintendent (relief position)**

July 2019 - August 2019

CNOOC International | Anzac, Alberta

- Oversee drilling operations on 2 projects, SAGD Horizontal infills and new well pairs in the McMurray formation.
- Monitor, assess and optimize performance of drilling operations.
- Ensure projects have a proper safety culture and adhere to the Company HS&E program.
- Conduct rig calls, ensure drilling programs are being followed and are accurate, inform management team of activities.
- Manage contractors and costs within the Superintendents scope.

### **Oil and Gas Well Drilling Supervisor**

July 2018 - July 2019

CNOOC International | Anzac, Alberta

- 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.

### **Oil and Gas Well Drilling Supervisor**

March 2018 - July 2019

CNOOC International | Anzac, Alberta

- Supervise drilling operations for SAGD wells 1800mMD, 410mTVD in the Clearwater formation.
- Carry out critical cement jobs requiring slow displacements and squeezing into 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.

### **Horizontal Directional Drilling Inspector (Single bore)**

March 2018

Pembina | Drayton Valley, Alberta

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

### **Horizontal Directional Drilling Rig Manager**

September 2017 - March 2018

Mears Canada | Saskatchewan and Alberta

- Supervised the drilling for and installation of NPS36 under the South Saskatchewan River with an AA 880 and an AA 440 catch rig. Line 3 Replacement.

## **Horizontal Directional Drilling Rig Manager**

September 2016 - September 2017

Robert B Somerville | Various, Alberta

- Worked from Roughneck to Rig Manager over a 3 month period due to hard work and experience.
- 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.

## **Horizontal Directional Drilling Inspector/Drilling Fluids Specialist**

August 2015 - September 2016

Paladin Crossings | Various, Alberta, NWT

- 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 clients and the head office.
- Work with Paladin Crossings involved bids, contracts, pre-job planning and JHA creation.
- 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.

## **Oil and Gas Well Drilling Supervisor**

December 2011 - August 2015

Canadian Natural Resources Ltd | Various, Alberta

- 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.

### **Oil and Gas Well Drilling Fluids Supervisor**

August 2008 - December 2011

Qmax Solutions | Various, Alberta

- 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.

### **Oil and Gas Well Rig Hand**

October 2003 - August 2008

Akita Drilling/Precision Well Servicing | Various, Alberta

- 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.

### **Military Journeyman Aircraft Structures Technician**

June 1999 - October 2003

Department of National Defence | Various, Canada

- 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** | Waterbased muds, Oil based muds.

August 2008 - October 2008

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

**Canadian Forces School of Aerospace Technology and Engineering** | Aircraft Structures August 1999 - September 2000

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

## **SKILLS**

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MS Office | Windows | Networking | Crew Management | Drilling Optimization | Contracts | Effective Leader

Extensive Technical Drilling Knowledge | HDD Systems and Equipment | Motivation

## **CERTIFICATIONS**

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API 1169 Certification - 89153

PST 2.0

Leadership for Safety Excellence

Ground Disturbance Supervisor Level II

PCST

CSTS-09

Leadership for Safety Excellence

H2S Alive

Confined Space Training

AEMA Incident Command System ICS-200

Special Oilwell Boiler Certificate

Standard First Aid with CPR Level C

Trenchbox Awareness Training