



Anatoli (Tony) Nikouline

Enhanced Oil/Gas Recovery (EOR) Engineer

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Highlights and Qualifications

- Researched and developed, analyzed, and improved design of SPT tool/equipment, manufactured, evaluated, improved, patented. Inventor/creator SPT tool/equipment for horizontal wells.
 - Patents US **8863823**, US **8240369**, US **20130105163**, US **20180340401**.
 - Two computer programs for calculating residual reserves by cumulative production and calculating the technological parameters of slot process.
 - Author of 8 technical and scientific articles on the restoration of low-productivity oil/gas wells, and the extraction of residual reserves up to 95% using new technologies.
 - Designed and built special SPT tool/equipment for horizontal wells (there are no analogues).
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Enhanced oil wells recovery (EOR) with slot-perforation technology (SPT) collaborated with companies:

Chevron (USA), Shell (USA and Canada), Schlumberger (USA), Halliburton (USA and Canada), Baker Hughes (USA), C & J Energy Services (USA), TriCan (Canada), SanJel (Canada), Maxxwell Services UK, LTD (England), EnMatrix Consultants DMCC (UAE), Vaangden (Singapore), Hydrocarbon Solutions (Oman), Seaharvest Oil and Gas Services (Egypt), Abex Offshore Equipment Leasing and Supplies ("AOELS") (Hong Kong), JVCO (Canada), ORCI (Canada), Oil Production Intensification (USA), Gas Production Intensification (USA), Admiralty Oils (Canada), Redux Energy (USA), Darby Holdings (USA), Oil Well Consulting (USA), SLAM Holdings (USA).

Enhanced oil wells recovery (EOR) with slot-perforation technology (SPT) was used:

United States: California, Kansas, Louisiana, Nebraska, New York, Oklahoma, Pennsylvania, Texas

Canada: Manitoba, Saskatchewan

Work Experience

11/01/2014-Present

Enhanced Oil Recovery (EOR) Engineer

Maxxwell Production, LLC <https://www.maxxwellproduction.com>

11555 HWY-380 W, # 205, Krum, TX, 76249, United States

- Selected wells, analyzed from a geophysical and geological point of view, calculated residual reserves, results, risks and financial benefits, technological parameters.
- Wrote work programs, technical conditions, schedules, coordination with other services.
- Served hydraulic slot-perforation equipment (prepared, evaluated, repaired).

- Prepared and organized oil and gas well's recovery process with slot-perforation technology including working closely with other services.
- Conducted slot-perforation process on the working site (checked, supervised, controlled, examined, and corrected).
- Researched and developed, analyzed of working functions, improved design of slot-perforating equipment, manufactured and evaluated, patented.
- Solved general issues of the company and business, conducted technical consultations, trained new specialists, licensed, certified, insured, registered, planned, implemented safety and security, defined strategies and tactics, solved technical problems, represented the company, participated in scientific conferences and meetings.
- Worked with investors and clients, discussed of new oil and gas well's recovery projects, explained, and answered technical and organizational questions, gave advice and recommendations.

10/28/2012-11/01/2014

Enhanced Oil Recovery (EOR) Engineer

Maxxwell Production, Inc <https://www.maxxwell.us>

1103, 201 1st Avenue South, Saskatoon, SK, S7K 1J5, Canada

- Evaluated selections for recovery oil and gas wells, calculated residual reserves, results, risks and financial benefits, technological parameters. Collected the necessary for geophysical and geological analysis information.
- Wrote work programs, technical conditions, schedules, coordination with other services.
- Prepared slot-perforation equipment: evaluated and repaired.
- Prepared and organized oil well recovery process with slot-perforation technology including working closely with other services.
- Conducted slot-perforation process in the working site (checked, supervised, controlled, examined, and corrected).
- Improved of slot-perforating equipment, manufactured, and evaluated, patented.
- Conducted technical consultations, trained fresh staff, licensed, certified, insured, registered, planned, implemented security and safety, defined strategies and tactics, solved technical problems, represented the company, participated in scientific conferences and meetings.

12/01/2008-08/01/2011

Slot-Perforation (HSP) Technology Engineer

Go Energy, Inc <http://www.goenergy.com>

2500 Airport Road, Rio Vista, CA, 94571, United States

- Collected preliminary oil/gas wells information, superficially evaluated selected wells, and prepared it for further geophysical and geological analysis. Checked calculations of remaining reserves and technological parameters.
 - Wrote work programs for oil wells recovery processes with hydro-slot perforation (HSP) technology, technical conditions, schedules, coordination with other services.
 - Prepared hydro-slotting perforation equipment: repaired and evaluated.
 - Participated in gas wells recovery process. Supervised hydro-slotting perforation technology process.
 - Studied and analyzed existing models of hydro-slotting and mechanical-slotting equipment. Designed and improved of jet nozzles, individual hydraulic blocks, and perforators. Wrote a patent.
 - Manufactured and evaluated advanced blocks for hydro-slotting perforation equipment.
 - Improved design of slot-perforating equipment: manufactured and evaluated, patented.
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Education

09/01/2005-05/31/2007

Certified Engineer-Technologist (CET)

OACETT <https://www.oacett.org>

10 Four Seasons Place, # 404, Etobicoke, ON M9B 6H7 Canada

- Geology.
- Mining.
- Mineral Resources.
- Metallurgy.
- Electrical/electronics.
- General.

09/01/2005-05/31/2007

Mechanical-Electrical Engineer.

Bachelor's degree diploma evaluation.

University of Toronto <https://www.adm.utoronto.ca/ces/>

315 Bloor Street West, Toronto, ON M5S 1A3 Canada

- Industrial Robots and Manipulators.
- Technology, Automation and Complex Mechanization of Machine Construction.

09/01/1992-05/31/1998

Mechanical-Electrical Engineer.

Diploma # 401879. Bachelor's Degree.

Moscow State Polytechnic University <http://www.mospolytech.ru/?eng>

B. Semyenovskaya St, 38, Moscow, Russia, 107023

- Industrial Robots and Manipulators.
 - Technology, Automation and Complex Mechanization of Machine Construction.
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Certificates/Licenses

05/31/2007

Certified Engineer-Technologist (CET)

844112

OACETT (ON, Canada)

11/30/2012

Applied Science Technologists (As. Tech)

201369

SASTT (SK, Canada)

11/16/2015

IADC RigPass Safeland USA

16615213

West Texas Safety Training Center WTSTC (TX, United States)

02/28/2019

H2S Awareness Certificate

177H2S-7331

Go Safety Compliance Center (TX, United States)

02/28/2019

TDG Transportation of Dangerous Goods

177TDG-7331

Go Safety Compliance Center (TX, United States)

02/28/2019

177FAPA-7331

Fall Protection Certificate	Go Safety Compliance Center (TX, United States)
02/28/2019	# 177WHM-7331
WHIMS Workplace Hazardous Materials	Go Safety Compliance Center (TX, United States)
02/28/2019	# 21988327-9103
First Aid Certificate	ECC/ILCOR/AHA (TX, United States)
05/31/2006	# 400102560
Qualification Industrial Electrician 402A	Ministry of Training (ON, Canada)
05/31/2006	# N/A
Motor Control and Variable Speed Drivers	Ministry of Training (ON, Canada)
05/31/2006	# N/A
Electrical Maintenance and Installation	Ministry of Training (ON, Canada)
05/27/2020	# 83447C6D999DD65D0
HVAC Technician (Type-1, section 608)	Mainstream Engineering Corporation (PA, United States)

Patents/Programs/Publications

- **US8863823** Universal underground hydro-slotting perforation system, controlled by working fluid pressure, for activation and intensification of gas, oil, and hydro-geological wells.
<https://www.google.com/patents/US8863823>
- **US8240369** Slot-perforating system for oil, gas, and hydro-geological wells.
<https://www.google.com/patents/US8240369>
- **US20130105163** Method of opening productive formation and a working fluid.
<https://www.google.com/patents/US20130105163>
- **US20180340401** Method and system for creating unloading slots in oil and gas wells by stretch-slotting perforation.
<https://patents.google.com/patent/US20180340401>
- IP Program Calculation of residual reserves by graphical method of cumulative production.
- IP Program Calculation of technological parameters for EOR SPT processes.
- article Hydro-slotted Perforation
https://en.wikipedia.org/wiki/Hydro-slotted_perforation
- article Hydro-slotting Perforation Procedure. Mistakes.
<https://www.maxxwell.us/maxxwell/HSP%20specification.pdf>
- article Instead of Introduction. Enhance of low productivity oil and gas wells.
[https://www.maxxwell.us/Maxxwell%20Production/Maxxwell%20Production%20\(full\)-min.pdf](https://www.maxxwell.us/Maxxwell%20Production/Maxxwell%20Production%20(full)-min.pdf)
- article Conversation with the well.
<https://www.maxxwell.us/maxxwell/Article.pdf>
- article Louisiana. Caddo deposit field. Oil wells recovery and productive increase with SPT technology.

- article [https://www.maxxwell.us/Maxxwell%20Production/Maxxwell%20Production%20\(full\)-min.pdf](https://www.maxxwell.us/Maxxwell%20Production/Maxxwell%20Production%20(full)-min.pdf)
What is the sweet word “Technology.”
 - article <https://www.maxxwellproduction.com/history>
Fiction and reality about slot-perforation (SPT) technology.
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Professional membership

• SPE	Society of Petroleum Engineers (United States)	since 2013
• UIA	United Inventors Association of America (United States)	since 2014
• WTSTC	West Texas Training Center (United States)	since 2015
• OACETT	Ontario Association of Certified Engineering Technicians and Technologist (Canada)	since 2007
• SASTT	Saskatchewan Applied Science Technologists and Technician (Canada)	since 2012

References

Yuri Frankel yfrankel@comcast.net 410- 653-1339	CEO at Oil Well Consulting (Maryland) http://oilwellslotting.com/
Edward Rubinstein erubins2005@yahoo.com 650-787-2743	CEO at Oil Production Intensification (California) http://oilwellslotting.com/
Christian Webber http://oilwellslotting.com/ 206-910-0124	CEO at Redux Energy (California) cw@shiftpods.com
Billy Jack Barrentine billy.barrentine@chevron.com 903-520-2910	Petroleum Engineer, Senior Well Site Manager at Chevron USA (Texas) http://oilwellslotting.com/
Quinton Hardage q.hardage@admiraltyoils.com 306-222-8886	CEO at Admiralty Oils (SK, Canada) http://oilwellslotting.com/
Ferlin Beamish flatlander@saskatel.net 306-482-7764	Supervisor at O & G Resource Management (SK, Canada) http://oilwellslotting.com/