**Lenin Díaz**

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**Nationality:** Passport holder: Venezuela and Italy

A competent Technical and Operations Cementing Engineer, seeking challenging assignments as

**Cementing Specialist, Cementing Manager, Cementing Technical Manager, Senior Cementing Technical Engineer**

**Career Snapshot**

* Professional Engineer with extensive experience of over 22 years as Cementing Technical & Operational Manager in Drilling, Work-over and rig-less (CT) fluids and cementing operations, Onshore and Offshore.
* Experience in various drilling environments (onshore, offshore, HPHT, LPHT, oil & gas wells, thermal wells (geothermal, thermal – SAGD, In-situ combustion), batch/pad drilling, shallow gas, highly deviated/horizontal, multilateral).
* Experience in work-over and rig-less remedial operations, including depleted wells (foamed and energized fluids cement/gels), water shut-off, cementing in open hole completions/slotted liners, Coiled-tubing, well abandonment/zonal isolation.
* **Valid Well Control, IWCF, and Offshore survival, BOSIET, certifications, Valid Medical Certificate (BP) until Sept 2019. Valid H2S certification.**
* Adept at defining work processes/procedures and maintaining a safe working environment, with proven ability to identify and resolve inside problems.
* Extensively managed and compiled risk assessments, method statements and procedures related to safety management at all levels.
* Demonstrated strengths in multitasking wherein completed ascertained tasks of variable capacities at a given point of time, transfer between global services delivery centers.
* Strong documentation writing, brief development and presentation skills. Strong interpersonal and communications skills. Gained experience in People Management, Industrial Management, Budget Management, KPI Management, Quality, Environment and Safety Systems, Project Planning
* Responsible to train, assist and provide directions and instruction within team while participating in technical design reviews, risk assessments and failure mode effects analysis
* An enterprising leader with abilities in leading multi-skilled, motivated teams to achieving organizational goals and industry best practices.
* Involved in regular and continuous basis, exercises operational judgment and assumes responsibility for decisions, consequences and results having a positive impact on people, costs, and/ or quality of service within the functional area.
* Commercially and technically astute inspirational leader, adept in utilizing a collaborative approach in work and creating robust strategies for translating vision into achievement.
* Possess strong analytical, problem-solving and decision-making skills with passion for work well done together with quality and the ability to build productive partnerships coupled with excellent communication skills.
* Keen understanding of the formalities and implementation of quality systems and excellent skills in complying with the norms of regulatory authorities.

**AREAS OF EXPERTISE**

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| * Developing and implementing strategies * Result Oriented Performance * Fluids & Cementing Specialist * Operations Management * Developing standards, work procedures, and BoDs * Team Management | * Development, administration and management * Strategic Thinker * Operations Management * Exceptional communications skills * Innovator/problem solver * Strive for results * Strong competitor knowledge |

**PROFESSIONAL OUTLINE**

1. [**http://better-cementing-for-all.org/**](http://better-cementing-for-all.org/) **Mar 2016 - Till Date**

**Cementing Technical consultant / Website owner, Malaga, Spain**

* Online business entrepreneur
* Providing Technical support to individuals and companies in the Middle East, United Kingdom, Venezuela, Iraq, Australia, Nigeria, Turkmenistan, Polonia, Algeria, Saudi Arabia.
* Recent Projects
* Nigeria – Amni Petroleum. Improve cementing design for a challenging 9 5/8” cementing Operation. / Remote Support
* Turkmenistan – ENOC/Dragon Oil. Post-job analysis and investigation of two cementing incidents leading to high annular pressure.
* Algeria - National Petroleum Services – NPS . Post-Job analysis and investigation of a primary cementing job (June – Aug 2017) / Remote Support
* Algeria – National Petroleum Services – NPS Post job analysis of multiple jobs (Dec 2017) / Remote Support
* Poland – San Leon Energy. Post-job analysis and investigation of gas migration after primary cementing. Acting as Cementing Expert in an Arbitration / Hearing.
* The Netherlands – Vanguard Drilling. Geothermal Project / Remote Support.
* Australia – Wellpro Services. Remote Well Cementing Engineering and Technical Support.

1. **SANJEL Saudi Arabia, Dammam, KSA May 2018 – Dec 2018**

**Engineering and Technical Manager Cementing**

* 29 Rigs – Gas and Oil Drilling and Workover Operations
* Direct Reports: 5 engineers and Cementing Laboratory (7 Lab Technician and Lab Manager)

1. **National Petroleum Services – NPS, Iraq Jun 2017 – May 2018**

**Senior CT Technical Engineer – BP/ROO In-House**

* Developing solutions for Water shut-off treatment in rig less and CT operations
* Stimulation and CT solutions

1. **BP Iraq, Rumaila Operating Organization, Iraq, Basra Jul 2015 - Feb 2016**

**Wells Fluids Specialist (Basra, Iraq)**

* On Rotation 28x28 since 03/12/12
* Wells Fluids Technical Specialist for BP/CNPC/SOC Joint Venture
* Cementing, Drilling and Well Intervention fluids specialist
* 5 Drilling Rigs, 13 Work over Rigs
* Completed the following Documents:
  + Drilling Fluids Standard
* Technical leader for Tenders (Participation in two tenders)

1. **BP Iraq, Rumaila Operating Organization, Iraq, Basra Mar 2012 - Jul 2015**

**Cementing Specialist (Basra, Iraq)**

* Cementing Technical Leader for BP/CNPC/SOC Joint Venture
* Subject matter expert for all cementing related work in drilling, Work over and rig less operations
* 13 drilling rig and 11 Work over
* First Foam Cementing Application in Iraq, introduced Methodology to cure losses in Dammam successfully, successfully cemented firsts highly deviated wells in South Iraq, Increased success rate of intermediate casing cementing (across Dammam, Tayarat & Hartha formations)
* Completed the following documents:
  + Cementing Basis of Design (Dammam, Main Pay and Mishrif wells) / Vertical and Highly Deviated
  + Cementing Standard
  + Zonal Isolation Standard

1. **Well Services, Schlumberger Sept 2007 - Mar 2012**

**Technical Manager Cementing (Mexico South Region and Central America)**

* Technical Manager Cementing
* Technical and Engineering Manager for cementing work in Mexico South and Central America
* Direct Reports: 8 in-house Cementing Technical Engineers, 2 Cementing Project Coordinator and Cementing Laboratory
* Operations Profile: 15 Rig constructing HPHT and LPHT wells (up to 7,500 mts) in fractured carbonates, 4 rigs constructing wells in sandstone, workover remedial cementing well abandonment and water control.
* Responsible for defining and standardizing cementing practices for all primary cementing jobs (lightweight and heavyweight cement slurries, Foamed Cementing and New Technologies) and Remedial Cementing.

1. **Well Services, Schlumberger Dec 2005 - Sept 2007**

**Technical Engineer Cementing and Project Coordinator**

* ConocoPhillips development campaign in East Venezuela – 1 rig in batch drilling operations offshore
* Responsible for project outcome, including HSE and Financial Objectives
* Operations Management and Technical Engineering Support

1. **National Petroleum Services Company, Kuwait Nov 2004 - Dec 2005**

**Quality & HSE Manager (Oil Field CT and Pumping Services)**

* Developing, managing and maintaining an effective Quality & HSE program as per Governmental and client regulations and international recognizes standards
* American Society for Quality - Certified Quality Manager No. 9362 (Until 2008)
* Implement Quality Certification and ERP system
* Direct Report to The Company Managing Director
* Contracts in Cementing, CT and Stimulation with KOC and Joint Operations (Chevron – KOC)

1. **Schlumberger Well Services Dec 2002 - Sep 2004**

**Sales, Marketing & Technical Support Engineer**

* Cementing, Water Conformance/Control and stimulation
* Bids & Contracts Coordinator (Technical and Financial experience coordinating several tender processes for pumping services with PDVSA and IOC’s both onshore and offshore).
* Marketing and Sales – PDVSA West and South, IOC’s
* Drilling, Workover and Rigless (Coiled Tubing) operations

1. **Schlumberger Well Services Jan 2002 - Dec 2002**

**Manager Cementing Venezuela**

* Headcount: 70 employees, Revenue per month: 1200 K US$
* Projects onshore, offshore (Shallow and Deep Water – Platform Deltana)
* Drilling, Workover and Rigless (Coiled Tubing) operations

1. **Schlumberger Well Services Dec 2000 - Jan 2002**

**Senior Technical & Operations Cementing Engineer**

* Senior Technical & Operations Cementing Engineer, in charge of Sales and Contract Coordination for various clients. Including: TOTAL, BENTON VINCCLER, PDVSA, PETROZUATA, SINCOR
* Projects onshore, offshore (Shallow and Deep Water – Platform Deltana)
* Drilling, Workover and Rigless (Coiled Tubing) operations

1. **Schlumberger Well Services Aug 2000 - Dec 2000**

**Cementing Operations Field Engineer In Charge – EAST VZLA**

* Field Operations Supervisor - (5 Drilling Rigs). SINCOR, PETROZUATA and LASMO

1. **Schlumberger Well Services May 1998 - Aug 2000**

**Cementing Operations Engineer in charge of sales and Technical support for PDVSA – WEST VZLA**

1. **Schlumberger Well Services Feb 1996 - Apr 1998**

**Quality Assurance/Quality Control Engineer**

* TQM Advisor and ISO 9000 implementation Leader
* ISO 9001 implementation in the cementing service line
* ISO 9002 implementation in the Coiled Tubing and Stimulation service line
* Participation in various second party audits

1. **Venezuela Apr 1992 - Feb 1996**

**Quality Manager (ISO 9000 Implementation)**

**Research Assist. in the Master Program (Materials Engineering- ceramics), Simon Bolivar University, Venezuela**

**Metallic frame engineer**

**Professor assistant (Materials and Mechanical Engineering)**

**Educational Qualification**

**Materials Engineering, Apr 1992**

**Simon Bolivar University, Caracas, DF**

**Training and Certification**

* Venezuelan Engineers Association, Colegio de Ingenieros de Venezuela No. 89.245 (since, 09/93)
* Society of Petroleum Engineers (3190651)
* IWCF (Drilling Well Control Programme Combined Surface and Subsea BOP Stack). Valid until 30.03.2021
* BOSIET (Basic Offshore Safety Induction & Emergency Training – Including HUET, EBS and CA-EBS). Valid until 22.03.2020
* Drilling Fluids Engineering School, Hadley Fluids Engineering, Oklahoma, EEUU, June 2015
* Valid Medical Certificate (2018)

**Personal Particulars**

* Date of birth : 31st December 1969
* Nationality : Venezuelan, Italian
* Languages : English and Spanish Fluent. French and Italian Good Level.

**Awards**

* Integrated Project Management Pro Award Winner for Q4 2010 – Mexico South
* Performed By Schlumberger Award (Chairman's), 2010, "Mexico South: One Team, One Goal--Production!"
* Performed By Schlumberger Award (Bronze), 2009, Concentric String to Drill Horizontal Wells
* Performed By Schlumberger Award (Bronze), 2008, Integrated Plug Management-Enhaced Sidetrack Solution
* Performed By Schlumberger Award (Bronze), 2007, Corocoro Project - Offshore Venezuela

**Technical papers**

“Engineered Solution to Reduce the Impact of Lost Circulation During Drilling and Cementing in Rumaila Field, Iraq” Arshad, Umar, Jain, Bipin, Ramzan, Muhammad, Alward, Wassem, Schlumberger, Diaz, Lenin, Rumaila Operating Organization, Hasan, Ibrahim, South Oil Company Iraq, Aliyev, Ali, BP, Riji, Chen, Petrochina. International Petroleum Technology Conference held in Doha, Qatar 6 – 9 December 2015.

"Waterless Cement Slurry Controls Water Production in Southern Mexico Naturally Fractured Oil Wells" Adrien Sourget, Art Milne, Lenin Diaz, Eric Lian, Humberto Larios, for presentation at the SPE International Symposium and Exhibition on Formation Damage Control held in Lafayette, Louisiana, USA, 15-17 February 2012

"Dual-fiber Technology Simply and Effectively Cures Total Losses Without Knowing Size of Fractures" Alexandre Andrade, Lenin Diaz, Raul Bermudez, Henry Daniel Bedino, Nixklafe Carrillo, Candelario Vargas, SPE SPE ATW Bariloche, Argentina 17-18 November, 2011

IADC/SPE SPE-135905-PP, Lenin Diaz (co-author) “Design of “Anti Surge” Methodology to Mitigate Severe Loss Circulation while Running Non Conventional Casing / Liner Sizes to Isolate Salt and Clay Domes in Deep Wells in Mexico South” For presentation at the next IADC/SPE Asia Pacific Drilling Technology Conference and Exhibition to be held in Ho Chi Minh City, Vietnam, 1–3 November 2010

L. Diaz “Addressing lost circulation in natural fractures” England, May, 2010 (Drilling Symposium - Internal)

Lenin Diaz "Nuevo programa de ingeniería logra una alta tasa de éxito en un proyecto de desarrollo de campos petroleros en México", Petroleum Magazine (El Portal Petrolero de América Latina), #239, Dec, 2009

SPE/IADC SPE-119415-PP, Lenin Diaz "Innovative Computer Model Increases Success Rate When Placing Deep Kickoff Plugs in Southern Mexico" Presented at the SPE/IADC Drilling Conference and Exhibition held in Amsterdam, The Netherlands, 17–19 March 2009 (External)

L. Diaz "Integrated Plug Management Solution in MXS IPM Projects" England, 2009 (Drilling Symposium - Internal)

L. Diaz "Casing Stretch Considerations For Deep Wells" England, March, 2009 (Drilling Symposium - Internal)

Lenin Diaz "**Setting a new Standard for Cementing Efficiency offshore Venezuela**" ...VII Seminario Internacional de Fluidos de Perforación, Completación y Cementación de Pozos VII SEFLUCEMPO. May 19 - 23 / 2008. Margarita Island, Venezuela. (External)

Preservación de la Integridad de la lechada de cemento en operaciones de TR cortas profundas para maximizar la calidad de la Cementación en pozos de MXS. Jornadas Técnicas AIPM Comalcalco Tabasco, L. Diaz Torres; A. Angulo; N. Atencio Carrillo; H. Bedino; G. Cortes Blancas; Schlumberger; 11 al 12 de noviembre de 2010

**37 Internal Technical Articles within Schlumberger from 2003 to 2011 on the following topics:**

1) Slurry for Shallow gas wells in Lake Maracaibo.

2) Optimized Lightweight Slurry for Steam Injection Wells.

3) How to repair a 2 ft hole diameter of a corroded casing?

4) Polymer cement extenders as replacement for Spacers

5) Adjustable Fluid Loss Control Slurry for Squeeze operations in Lake Maracaibo

6) New Cement Pump Truck used to mix/pump 810 bbls of cement.

7) Cement for the First Multilateral Level 6 with Shell in Maracaibo

8) ISO 9000 based Cementing Quality Manuals in Spanish

9) Well Cleaning prior to Cementing in Horizontal and Highly Deviated Wells

10) Heavy Cement Slurry job pumped on the fly with a new cement pump truck in Venezuela

11) Total losses solution in Maturin, Venezuela

12) Improvement in centralizer design to prevent stuck casing 13) Fibers solved problems of losses in a critical 7" Liner job

14) How to optimize a 13.5 ppg lead slurry to reduce excess in cement volume due to losses

15) Cement SIMULATOR applied to define mud treatment before cementing

16) Kick-off plug using lightweight extended slurry

17) Job Design and Assessment Matrix (Cementing)

18) Cementing New Technology Presentations for Venezuela   
19) Cementing process flowcharts

20) RP for setting sidetrack cement plugs in MXS IPM Projects 21) Excessive Contaminated Surface Returns reduction

22) Method to estimate actual TOC or surface fluid returns using computer simulator output

23) Annular Pulsation after Cementing: Venezuela Offshore

24) Procedure for the execution of water exclusion treatments in low pressure wells in Mexico South

25) Casing stretch considerations for deep wells

26) Potential effect of the Additional Casing stretch due to Cementing Fluids

27) Innovative Computer Model Increases Success Rate When Placing Deep Kickoff Plugs in Southern Mexico

28) Alternatives to prevent effect of Slurry Channeling and Intermixing OBM-spacer-cement in Liner Cementing Operations in MXS IPM projects

29) Cementing Design Considerations, Procedures and Pre-Job Preparations Manual for MXS projects

30) New Material successfully used to control Lost Circulation. MXS Integrated projects Cases

31) Foamed Gel to water and Gas Shutoff Fluid

32) 100% success in placing Deep Cement Plugs is possible.

33) Reducing Liner Hanger Cleanout Time in MXS Projects

34) Successful Cementing job on Rotational 7" liner, Sen 233, IPM MXS

35) Successful Application of "Anti Surge" Methodology to Mitigate Severe Lost Circulation while Running non Conventional Casing / Liner sizes to Isolate Salt and Clay Domes in Deep Wells in Mexico South

36) Placing off bottom Kick off plug, successful case

37) Innovative application of the Fiber being pumped with the liner on bottom and un-set, after identifying losses during the mud circulation

**Additional Training**

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| * **Oil Field Related** |
| 1. Drilling Fluids Engineering School, Hadley Fluids Engineering, Oklahoma, EEUU, June 2015 2. Water Solutions, by Jon elphick, SCHLUMBERGER Oct 2011 3. Foamed Cementing applications, SCHLUMBERGER, 1-2 Feb 2011 4. Production Technology Workshop. Institute of Petroleum Engineering, Heriot-Watt University. Edinburgh, Scotland, UK. (Agust/2008) 5. OFS4 (Advance Oilfield Services Finance). Caracas, (Agust/2006) 6. Water Management (Water Solutions and Control) School, Houston, EE.UU, SCHLUMBERGER (SEPT-OCT/2003) 7. Drilling and Production Technology. England and France, SCHLUMBERGER (AUG - SEPT/2003) 8. Well Cementing Advanced Course. Clamart, France, SCHLUMBERGER (JUL/2003) 9. General Field Engineer Control, Houston, Houston, EEE.UU, SCHLUMBERGER (Dec / 2001) 10. OFS 3 (People Management). Rio de Janeiro, Brazil (Nov./2001). 11. OFS 2 (Finance Advanced). Denver, Colorado (Sept./2001) 12. OTS 2 Cementing Advanced Course, Schlumberger United Kingdom Training Centre, England (April/2001) 13. Opstats (Operational Statistics), Venezuela (03/2000) 14. OTS 1 Cementing job design, Execution, Logistic and Pumping Units Operation and Maintenance, Schlumberger United Kingdom Training Centre, England (18/10-28/11/1999) 15. CHEVRON Quality, Health, Safety and Environment Certification Course, CHEVRON (06/1999) 16. First Aid, Schlumberger (05/1999) 17. Schlumberger Y2K Coordinator, Schlumberger (07/1999) |

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| * **Quality Assurance and HSE Related** |
| 1. Offshore Survival Training and Certification: (*Basic Firefighting (IMO 1.20), Personal Safety and Social Responsibility (IMO 1.21), Personal Survival Techniques (IMO 1.19) and First Aids at sea course (IMO 1.13)*) 2. Laboratory Information Management System administration – Wyoming, EEUU (Sept, 2005) 3. ISO 9001:2000 Lead Auditor – IRCA training, BVQI, Mumbai, India (July, 2005) 4. Diploma in Fire & Safety Management, National Institute of Labour Education and Management, Chennai, India (June, 2005) 5. OHSAS 18001:1999 Lead Auditor – IRCA training, BVQI, Kuwait (May, 2005) 6. Quality Improvement (Kaizen), Kuwait Chamber of Commerce, Kuwait (March, 2005) 7. Schlumberger Management Development Program. Leadership Course, Bogotá, Colombia, SCHLUMBERGER (Nov / 2002) 8. Leader. Quality, Health, Safety and Environment Course, Schlumberger El Tigre, Venezuela (02/2000) 9. SQM 3. Role of the Quality leader and advanced TQM tools, SCHLUMBERGER DOWELL (17-21/11/97) 10. Environmental management system. ISO 14001, TV (07-09/07/97) 11. IQ-1. Basic TQM tools (problem solving and process improvement), SCHLUMBERGER DOWELL (18-21/05/97) 12. Environmental management system. ISO 14001, Perry Johnson, INC (16 hrs. 04-05/03/97) 13. Quality audits, TECNOLOGIA 2010 (32 hrs. 28/06/96) 14. Quality assurance and environmental management system, ISO 9000 & ISO 14000, FONDONORMA (22/10/96) 15. Quality in service companies, FONDONORMA (16 hrs. 11/10/96) |