

Christopher P. Appel

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Qualifications

- 14+ years of multi-discipline upstream engineering experience
- 7+ years of Manager/Team Lead experience in asset development and operations
- Asset evaluation experience in key basins such as Anadarko, Panhandle/Hugoton, Permian, Gulf of Mexico, Eagle Ford, and San Juan
- Diversified Production/Operations Engineering background with onshore properties
- Seasoned Reservoir Engineering skill-set for onshore and offshore properties
- Excellent people, team, communication, presentation, and software skills

Petroleum Industry Work Experience

Founder & Managing Director

Appel Consulting Solutions, LLC, Amarillo, Texas, Sep 2013 – Present

- Managed C12 Energy's Midway Field asset, a water-flooded oil field, located in Lewisville, Arkansas. Oversight included operations personnel, production, costs, engineering, and regulatory reporting.
- Created an asset development plan to support H&L Exploration Company's exploitation of the Canyon Shale in the Texas Panhandle through reservoir evaluation, economic modeling, and marketing. The H&L plan included OOIP of 110 MMBbls, and 7.7 MMBO recoverable on the acquired acreage.
- Performed the Holt 1 (Canyon Shale) post-frac engineering evaluation via pressure data capturing and analysis, which led to the understanding that the reservoir was under-pressured. However, based on initial production rates, the black oil model predicted horizontal well rates of 500+ BOPD.
- Developed a post-audit analysis and report for H&L Exploration's Cleveland Sand Horizontal Well Development Program which demonstrated 37% ROR, 1.4 ROI, D&C Cost/Foot of \$269, and EUR's of 2.0 MMBO and 11.7 BCFG.
- Provided reservoir, completions, and operations engineering support to North Country Energy for their first Panhandle Brown Dolomite development well. The well initially produced 165 MCFD at -18 inches Hg Vacuum Pressure.
- Evaluated acquisition/divestiture opportunities for multiple operators, and trusts, with interests in the Eagle Ford, Permian, Panhandle and Anadarko basins.

Director of Operations – Texas and Oklahoma Panhandle Regions

Pantera Energy, Amarillo, Texas, Feb 2012 – Aug 2013

- Managed daily operations, including 2 Supervisors, 16 Pumpers, 650 wells, daily production of 22 MMCFGPD and 300 BOEPD, plus an LOE budget of \$12MM per year.
- Supervised installation of production facilities for 25 new drill wells, including 19 gas compressors and electrical facilities which yielded 4.7 MMCFPD additional production.
- Developed Yearly Operations Strategy and Implementation Goals, which focused on enhancing oil and gas production volumes, and setting company-wide safety guidelines.
- Piloted Lease Review Meetings for Operations Staff to improve communication, gain knowledge, and build production information database, which identified 415 projects, including recompletions, compression evaluations, well workovers, pipeline work, regulatory paperwork, and production database updates.

Operations Engineer – Texas Panhandle, Dumas area

Pantera Energy, Amarillo, Texas, Apr 2011 – Feb 2012

- Supervised Dumas Area which included 12 MMCFGPD, 300 wells, and 6 pumpers.
- Developed Dumas Area Daily Gas Production Tracking System.
- Designed and installed production facilities for 4 new drill wells, which yielded 725 MCFD of incremental gas production. Sized and installed gas compression and electrical facilities for 7 existing gas wells.
- Identified and directed workover rig projects, including pump changes, tubing failures, rod failures, well bore cleanouts, and acid clean-ups.

Sr. Reservoir Engineer – Gulf of Mexico

ConocoPhillips, Houston, Texas, Jan 2009-Apr 2011

- Managed nine GOM partner operated properties, including two deepwater subsea tie-backs (Anadarko-K2 Field and Shell-Europa Field) and seven shallow water properties.
- Developed and presented recommendation to participate in drilling the Europa 7 oil producing well, a \$200 MM subsea tie-back well, which was approved by COP management.
- Supported geoscience/reservoir engineering justification for \$100+ MM Phase III Drilling/Recompletion Development Program at Magnolia field TLP (GB 783).
- Developed oil simulation models to forecast and compare production flowstreams for a \$40 MM sidetrack well and a \$20 MM recompletion opportunity; ran economics, performed decision and risk analysis, and made recommendation to recomplete well at the Magnolia Field TLP.

Reservoir Engineer/Team Lead – Permian Basin Fields

ConocoPhillips, Houston, Texas, Jan 2006-Dec 2008

- Drilled 175 producing wells and water-injection wells in the Sacatosa Field.
- Created Sacatosa Field long range plan which included 25 MMBOE additional recoverable reserves and 1200 new drill wells for \$360 MM.
- Executed 2008 drilling program which increased production by 700 BOPD, achieved well cost target reduction of 29%, and booked 4.1 MMBOE reserves.
- Advanced new technological ideas including multi-interval completions, coil tubing drilling, and supported team in successfully coring 150 feet of San Miguel pay with a coil tubing rig.

Development Engineer – Permian and San Juan Basin Fields

ConocoPhillips, Odessa and Houston, Texas, Jun 2004-Dec 2005

- Gained significant operations experience in production, completions, facilities in the Howard Glasscock Field, and the West Jo Mill Unit.
- Evaluated San Juan Basin joint-venture drilling and recompletion proposals.

Other Work Experience

Associate Campus Pastor

Trinity Fellowship Church, Amarillo, Texas, Feb 2016 – July 2017

- Led adult ministry staff of 20 Pastors and Coordinators in the following:
 - Host 5,290 church attendees for weekend services.
 - Direct 1,804 volunteers who serve on ministry teams.
 - Support 194 Small Groups with average total attendance of 1,772 people.
 - Grow mid-level Men's and Women's Events from 544 to 834 people.
 - Held Major Events such as Church Wide Gatherings, Men's Conference, Women's

Conference, Marriage Conference, and the Amarillo ISD Teacher Conference ranging in attendance from 500 to 3,500.

- Other key aspects such as counseling, weddings, and funerals.
- Managed multiple department budgets totaling \$1.1MM.
- Served on ERP Software Implementation Team to convert business software to church software in order to improve information and data flow between seven church campuses.

Education

Texas A & M University, College Station, Texas
Bachelor of Science in Mechanical Engineering; May 2004
Minor in Spanish Language

Memberships

Society of Petroleum Engineers, 2004 - Present
Served as Amarillo Section Program Coordinator, Fall 2011 – Spring 2013
Fellowship of Christian Athletes, 2017 – Present
Board Member for Panhandle Field Representative