



SEIDEL™
TECHNOLOGIES

Company Overview

Overview Outline

- **Overview of Seidel Tech**
- **Asset Portfolio**
- **Map of experience**
- **Scope of Services**
 - Project Management
 - Engineering
 - Geological Services - Geosteering
 - Wellsite Supervisors/Drilling Fluids Eng
 - HSE Supervisors
 - Regulatory Management
 - Teaching/Training
- **Our Track Record**
- **Our Strategic Partners**
- **Contact Info**

From the rolling hills of the Marcellus



To the San Juan of New Mexico we have you covered!



Company Overview

Privately Owned

Founded: July 2009

President: Frank Seidel

Total Employment: 40

Clients: 100+

Head Office:

558 Castle Pines Parkway

UNIT B-4, 330

Castle Rock, Colorado 80108

Denver Office:

633 17th Street,

Suite 1700.

Denver, Colorado 80108

Calgary Office:

700 – 1816 Crowchild Trail NW

Calgary, Alberta T2M-3Y7

Creating collaborations in energy development

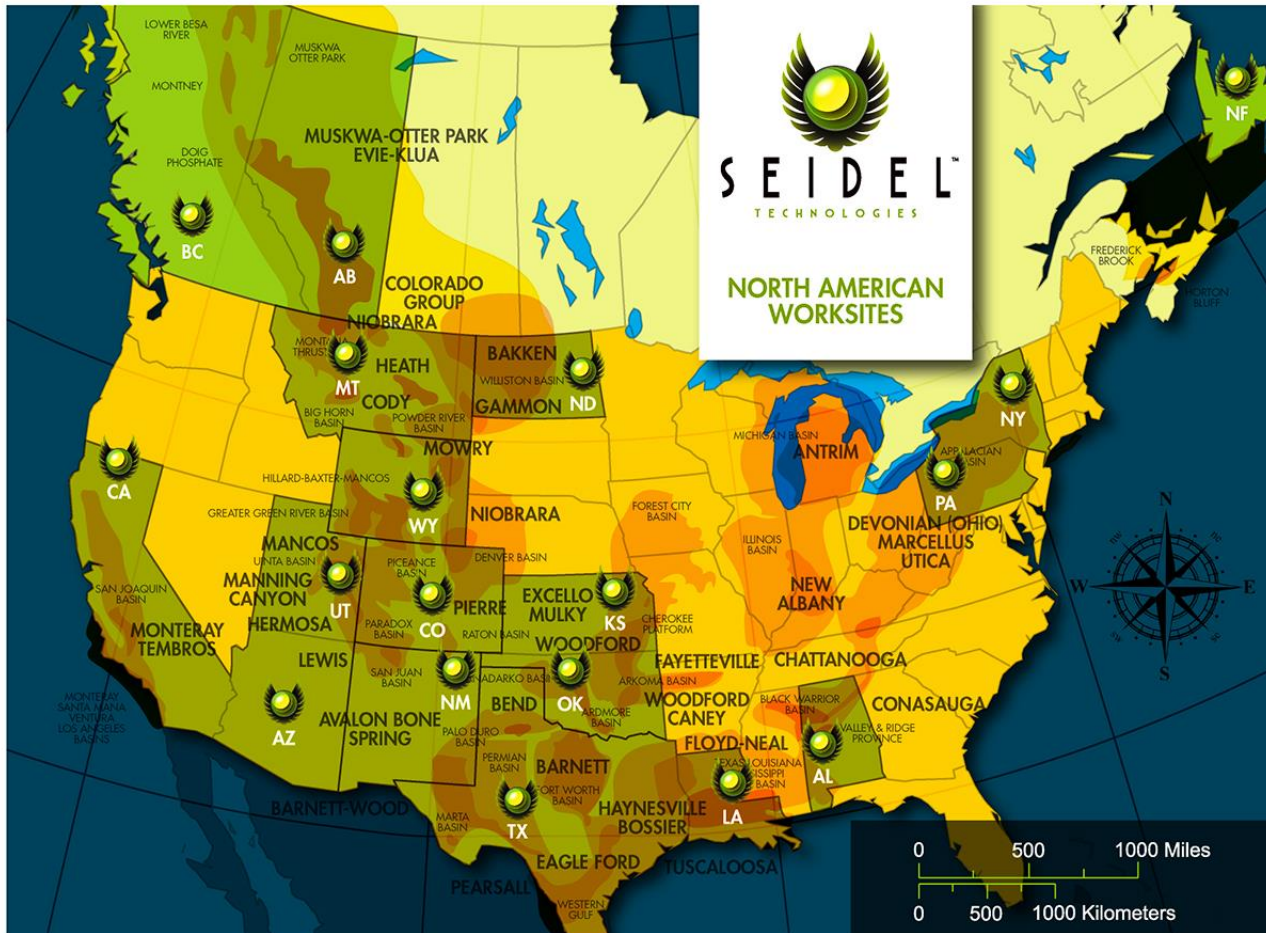


Asset Portfolio

- 11 engineers:
 - Drilling....5
 - Completions....2
 - Production....2
 - Facilities....2
- 6 Geologists
 - Seidel Geologic LLC – Providing well site geologists and geo-steering
- 2 Regulatory Managers
- 5 HSE Supervisors
- 8 Mud Engineers
- 3 SEMS Clerks
- 25 Wellsite supervisors Drilling/Completions/Construction



Map of experience



Engineering

Experiences in engineering design and implementation are shared with you to ensure that your company has a project plan that achieves goals cost effectively and safely.

- Application for well licenses and permits
- Submission of all regulatory information to pertinent jurisdictions
- Management of lease acquisition and surveying.
- Preparation of drilling and completion programs.
- Co-ordination of construction of well sites and access roads..
- Aligning of all services for drilling and completion operations.
- Management of daily drilling and completion operations.
- Operational invoice review and approval.
- Provide daily progress reports and AFE tracking to the client



Skilled In: Reservoirs such as Conventional oil and Heavy oil, All types of gas, including Conventional, Tight and Shale, Re-entry of existing wells, Multi-laterals as well as Multi-frac design, Managed pressure drilling.

Our specialized services include: critical sour, multi-well project co-ordination, cost drilling, deep foothills, salt cavern storage, and remote location operations.

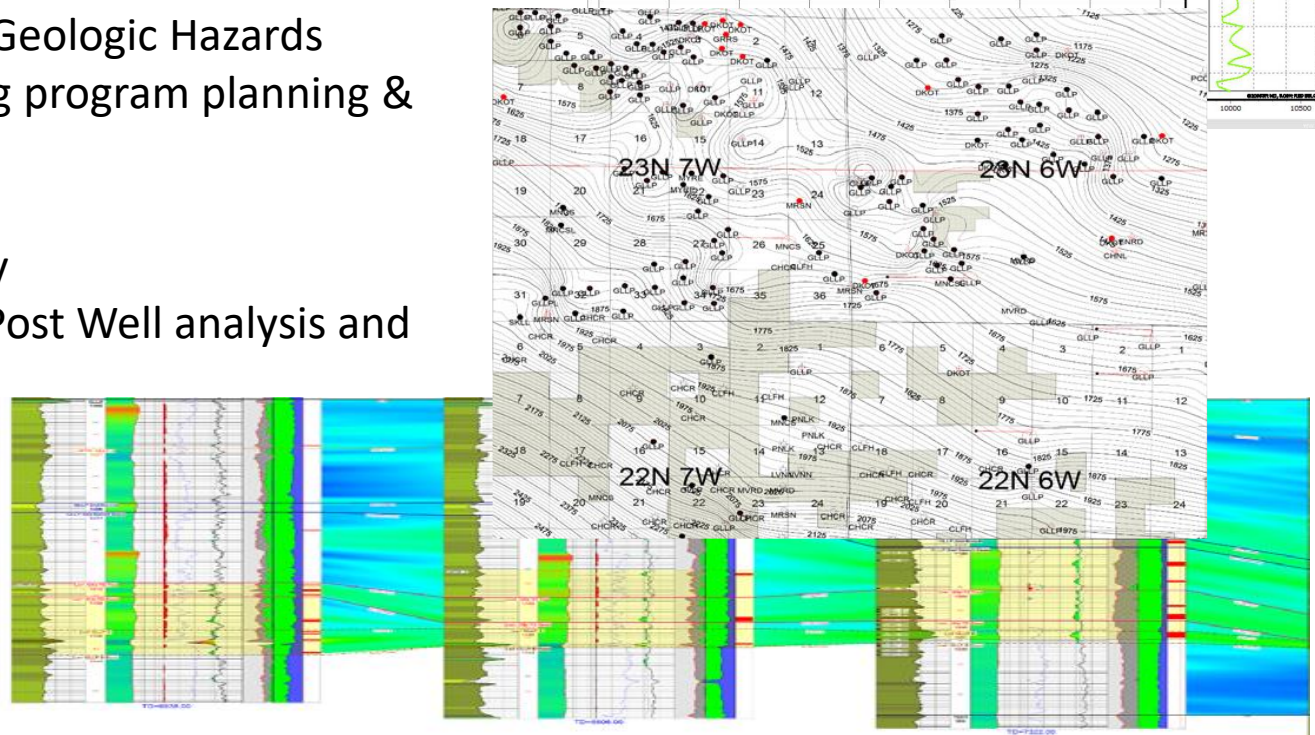
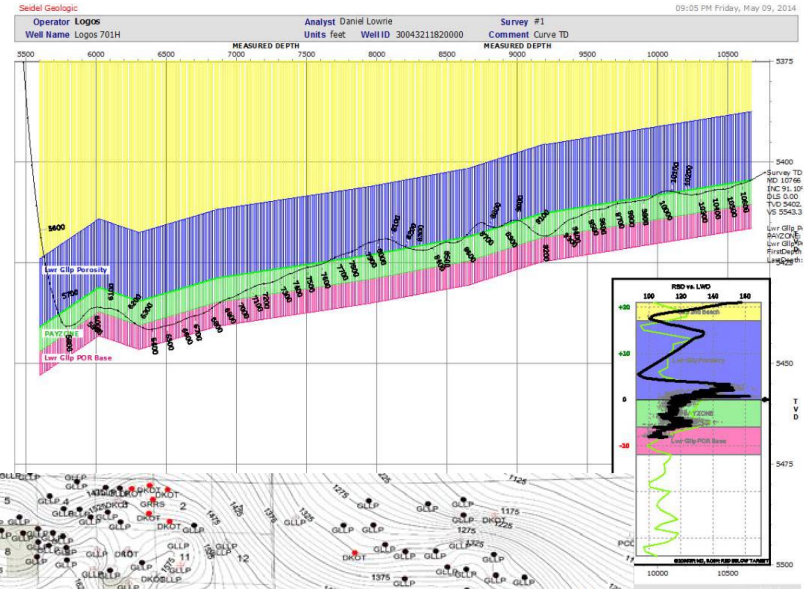
Cost Control & Logistics

You will feel comfortable relying on us for the experience and programs you need. We know that your business depends on the success of each well drilled, re-entered or re-completed. We will match our in house team with the needs of each specific operation. We offer many services as listed below within our procurement team:

- Procurement strategy development
 - **We have saved approximately 30% on a \$300 million Drilling Budget for one client alone.**
- Pre-qualification of suppliers
- Identification of vendors; preparation of bid requests
- Review of proposals; recommendation of vendors
- Purchasing of products (clients' purchasing systems)
- Facilitating pre-bid & post award vendor co-ordination
- Expediting and monitoring vendors delivery status versus promised dates, identification of major variations, and impact on schedule.

Seidel Geologic- Services

- Remote Geo-Steering
- Geologic Operations Oversight & Support
- Mapping Services
- Identification of Geologic Hazards
- Horizontal drilling program planning & advisement
- Well Planning
- Well-site Geology
- Comprehensive Post Well analysis and evaluations



Track record

Price is what you pay, Value is what you receive

- 2009-10 Oasis – Special Projects Management
 - Schmitz Federal 44-34H-2 – Re-entry best Bakken Well in 2009
 - Re-entered Mission Canyon well drilled under Missouri River
 - Corps of Engineers would not allow new location development
 - Missouri 44-35H – Fastest well (21 days) in 2009

June 17, 2010

Oasis Petroleum IPO at \$14, Raised \$400 mm

- 2010 Petrohawk – Completions Project Management
 - Engineering Lead – Haynesville Shale
 - Completions processes development and standardization
 - 10-15k psi frac pressures
 - Frac water management
 - Corps of Engineers water extraction compliance
 - 8 of top 10 wells completed in Haynesville Shale

July 14, 2011

BHP Billiton to Buy Petrohawk for \$12.1 Billion



Track record

Price is what you pay, Value is what you receive



- 2010-11 Samson – Drilling Management
 - Casing drilling - Endurance & Barricade Unit - Green River Basin
 - Unlocked Ft. Union resource below unstable Upper Sandy
 - Area abandoned by Tom Brown & Encana
 - First horizontal well in Ft. Union, IP 1200 bope
 - Multi leg horizontal coal wells in San Juan Basin – 4mmcf /3bcf
 - Realized asset value enabling KKR purchase

November 23, 2011

KKR Will Acquire Samson Investment for \$7.2 Billion



- 2010-12 Helis Oil & Gas – Drilling Management
 - Only 9 wells drilled in 18 months prior
 - Drilled 30 wells in 18 months after assuming drilling management
 - Enabled well inventory for frac stimulation
 - Realized 1.0 – 1.5 mmbo wells
 - Realized asset value enabling QEP purchase

August 23, 2012

QEP – Helis Bakken Deal Agreed for 27,600 Acres for \$1.3 Billion



Track record

Price is what you pay, Value is what you receive

- 2012-16 Helis Oil & Gas – Drilling Management
 - Transferred to Wyoming operations
 - Drilled first 2-mile lateral in Wyoming (Frontier Formation)
 - Reduced days from 100+ to 55 days
 - Drilled 11 horizontal Frontier wells (22,000'+) to prove up acreage

December 2017

Impact Energy Acquires Helis acreage for \$285 Million

- 2016 Helis Oil & Gas – Drilling Management
 - Drilled first Tuscaloosa Marine Shale Well in St. Tammany Parish, LA
 - Furthest south TMS penetration in the play
 - Drilled in wetlands area near Covington, LA
 - Highly visible well under public scrutiny
 - Rank wildcat drilled successfully totally transparent with local community
 - Demonstrated ability to efficiently drill in highly contingency environment

June 2016

Well was dry and abandoned, location reclaimed



Track record

Price is what you pay, Value is what you receive

- 2013-14 Logos Operating LLC – Drilling Management

- Drilled first horizontal well for company
- Delivered top 10% performance on first well in program
- \$1.6 mm on \$2.7 mm AFE
- Demonstrated ability to efficiently drill horizontal wells
- Matched Encana & WPX best performance
- Realized asset value for Logos
- Enabled expanded multi rig, accelerated capital program

January 30, 2014

LOGOS Resources Announces Upsized Equity Capital Commitment from Arc Light Capital Partners to \$100 Million

August 2014

WPX Acquires Logos Resources I acreage for undisclosed amount

- 2017 – Present - Logos Operating II LLC – Drilling Management

- Recapitalized By Arc Light Capital Partners
- Began pad development of Mancos/Gallup Acreage
- Set record production for Mancos Wells 1150 bopd, 34,500 bbls/mo.
- Reduced cost by 30%



Track record

Price is what you pay, Value is what you receive

- 2017- Present – Red Willow Production - Project Management
 - Southern Colorado on Southern Ute Tribe Reservation
 - Drilled horizontal Coal Bed Methane wells on two pads
 - First pad production 20mmcf/d from 5 wells at 2700' TVD
 - First use of MPD on latest pad, reducing formation damage
 - Drilled 46,077' of horizontal hole in Coal

- 2017 – Present - Helis Oil & Gas – Project Management
 - Laramie County, Wyoming
 - Drilled step out wells to E. Silo Field
 - Drilled thirteen horizontal Codell wells (2 mile) to evaluate play
 - Major discover, field extension – best Codell wells in the industry



Our Strategic Partners & Client List

Air Drilling Associates
Anadarko
Anschutz Exploration
British Petroleum (BP)
Black Hills Petroleum
Cirque Resources
Departure Energy
Diversified Resources
Dorado E&P Partners
Enduro
Energen
Escalera Resources
Felix Energy
FH Petroleum
Greater Nile Petroleum GRM
Oil & Gas
Gunnison Energy
Halliburton
Hot Training
ICAX
Julander Energy Company
Kimmeridge Energy
Koch Exploration
McElvain
Memorial Resource
Development
Mustang Resources
Peak Exploration

Oasis Petroleum
Petrohawk
Samson Resources
Helis Oil & Gas
Valaco
Laramie Energy II
Crescent Point
Baytex
Taqa
Enerplus
Navajo Oil & Gas
Fidelity
EOG
WPX
QEP
Yates Petroleum
Resolute
Rosetta
Linn Energy
Chevron Kurdistan (ADS)
Suncor
Husky
Catamount Energy Partners
Tidewater Oil & Gas
DJ Resources
Great Western O&G
Conoco Phillips
Pennsylvania General Energy
Pronghorn Operating
XTO Energy

Warren E&P
Encana
Sunterra
Apex Petroleum Engr.
Gunnison Energy
Lonestar
RPM
Fletcher Petroleum
MTG
State of Colorado O&G
Hunt Oil
Coleman O&G
Berry Petroleum
Pennsylvania General Electric
Shoal Point Energy
Eypon Oil
Systems Petroleum
Logos Operating
Thompson Energy
True Oil
Mountain View Energy
Four Corners Petroleum
San Juan Resources
Merrion O&G
EnerVest
Petro Edge
Missouri River Resources
San Juan Resources
Transworld Systems Petroleum
WPX Energy



Strengths

Price is what you pay, Value is what you receive

Our people

Experienced
Dependable
Coachable

Our record in safety and our continuous memberships



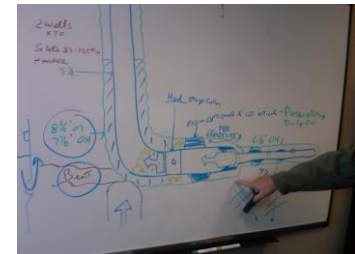
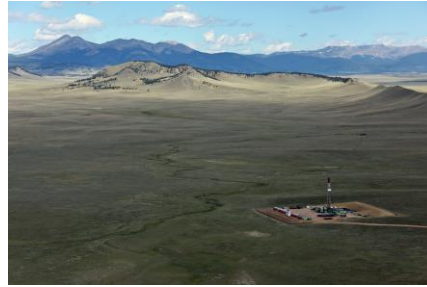
Our network partners

Apex Petroleum – Sigma3
Walsh Engineering
Industry wide vendor relationships



People are our business

Hire for attitude, train for talent





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TECHNOLOGIES

Thank you