

# **Rick R Caruthers**

## ***Qualifications:***

I've had considerable success with many operators and investors in acquisition of countless properties for re-entry and new drill prospects. I specialize in formation enhancement through updated completion methods and equipment evaluation to optimize recovery methods. Many times I've been able double production on an acquired existing producing property by implementing these recovery methods and modernizing the field equipment. I have drilled lateral sections of old existing well bores and have been able to achieve substantial production increases in several old out dated fields thought to be depleted and uneconomical.

## ***Job History:***

### **Caruthers Oil and Gas Consulting Services      1995-Current**

#### **President/Consultant**

Consulting and engineering projects for major operators, multi-state project experience including; some coinciding with each other: Utah (2 years), Wyoming (4 years), Montana (8 years), North Dakota(8 years), Kansas (2 years), Nebraska (2 years), Oklahoma (4 years), New Mexico (8 years), and Texas (40 years).

#### **Consulting Experience:**

- Evaluate offset data prior to drilling
- Advise on drilling hazards and drilling bit optimization
- Supervise mud-logging, FEMWD and wire-line services personnel, monitor quality control
- Record daily, weekly and post-well logs
- Assess costs, estimate production capabilities and economic value of oil and gas wells
- Analyze and Monitor production rates and plan rework processes
- Analyze data to recommend placement of wells and supplementary processes
- Supervise well modification and stimulation programs
- Direct completion and evaluation of wells, well testing and surveys
- Develop plans for oil and gas field drilling as well as product recovery and treatment
- Supervise waste removal and return of land to structural stability when wells or pockets are exhausted

- Implement and plan all phases of drilling activities, well completions and well operations
- Design high pressure deep gas vertical and horizontal wells
- Confirm wells are planned and executed in an environmentally responsible, cost effective and safe manner
- Monitor and analyze oil and gas reservoir depletion performance
- Advise on appropriate field rules and conservation orders
- Basic reservoir engineering parameters including, but not limited to: core analysis, PVT, formation volume factors, relative permeability, capillary pressure determination, mobility ratios, pressure fall-off and build-up tests, well interference, reservoir fluid properties
- Scheduling, insure timely completion
- Research production and flow-back records
- Contractor relationships for policies and safety
- Fracture preparation of fluids and chemicals
- Completion scheduling of necessary equipment
- Design *frac* procedures and perform onsite.

#### Operations Experience:

Since 1995 Contract Positions have consisted of Drilling Manager, Operations Manager, Completions Engineers, Project Development and Coordinating Engineer.

Areas of operations experience consist of the Mid Continent Range of the US with experience in Gas Compression- gathering-site design and construction.

Water Flood design, construction, start-up and operations.

Salt Water Disposal design, construction, start-up, automation, and operations.

Field Development, Re-entry's, Lateral Extensions in existing well bores, Formation evaluation and well analysis for failures or production issues.

Completely experienced in Drilling and Completion Engineering, Design and Field Development in the office or the field.

### **Citation Oil and Gas, Texas**

**1985 – 1995**

#### Senior Operations Superintendent

- Supervise all field operations and personnel

#### Senior Operations Manager

- Supervise multi-state properties of 1000+ wells; recomplete uneconomical acquisitioned properties to increase production of previous operator

### **Ladd Petroleum Corporation, Texas**

**1976 – 1985**

Assistant Foreman

- Field application of production fundamentals and recovery methods.
- Supervise drilling and completion, install compression facilities, operate leases in the Fort Worth Basin.

**Mitchell Energy Group, Texas**

**1974 – 1976**

Lease Operator

- Field training
- Drilling, completion, operations; basic fundamentals of production equipment proper installation.

***Education:***

Completed / Received High School Diploma.

Attended Various Colleges from 1973 – 1988 working toward a PE Degree.