

# SYNERGY OPERATING

## Engineers' Resumes

BEFORE EXAMINER  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 8  
CASE NO. \_\_\_\_\_

# Glen O. Papp, P.E.

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## *Experience and Accomplishments*

- **Engineering design and supervision for San Juan Basin coal and conventional drilling and recompletions, ConocoPhillips and Williams Production, San Juan & Rio Arriba Cos., NM (1997-2003)**
- **Engineering report on Rincon Unit Fruitland Coal Potential, Unocal (April 1999)**
- **Author and implement SPCC plans; Koch Exploration, Key Energy, Harken Southwest (1999)**
- **Turnkey Engineering, Management and Supervision for the drilling of two Entrada wildcat wells, Rutter and Wilbanks, Sandoval Co., NM (May thru June 1999)**
- **Consulting Engineer, Canadian Hunter, West Hamburg gas gathering system, 10.4 miles of 8" and 6.6 miles of 4" and 1000 BHP compressor, Fort St. John, British Columbia, Canada**
- **Design and implementation of waterflood facilities for Tidal Resources, Haas Field, Bottineau Co., ND**
- **Implemented Process Safety Management OSHA's CFR 49 1910.119, East Onshore, Lafayette, LA**
- **Northern Rocky Mountain Field Superintendent, Casper WY: supervised the daily oil & gas production activities, including state and federal reporting, for the states of Wyoming and Montana. Ultimately responsible for 41 employees, an annual expense budget of \$7.8 MM, equivalent production of 3000 BOE/D, and \$4.5 MM (Annual average) in capital spending on new projects.**
- **Southern Rocky Mountain Field Superintendent, Farmington NM, supervised the daily oil & gas production activities, including state and federal reporting, for the four corners region. Ultimately responsible for 56 employees, an annual expense budget of \$11.5 MM, equivalent production of 15,500 BOE/D. Additionally, an annual average of \$8.9 MM in capital was spent on new projects.**
  - ◊ **Design and installed three gas gathering laterals; 110 miles of pipeline, and 3500 BHP of compression.**
  - ◊ **Designed and supervised installation of surface and downhole facilities for 85 San Juan Basin wells.**
- **Authored an integrated nodal analysis program for single phase gas flow from reservoir to sales. Lead to the installation of field-wide compression in the San Juan Basin, increasing deliverability by 8 MMcF/D, and recoverable reserves by 12 BCF.**
- **Authored a feasibility study for miscible CO<sub>2</sub> injection at the Smyer Field, Hockley Co., TX.**

## *Work History*

- Aug 1995 - Present Partner, Synergy Operating LLC, Farmington NM
- Dec 1994 - July 1995 PSM Engineering Coordinator, Unocal-East Onshore Asset, Lafayette LA
- April 1994 - Nov 1994 Field Superintendent, Unocal-Northern Rocky Mtns Area, Casper WY
- Sept 1992 - March 1994 Field Superintendent, Unocal-Southern Rocky Mtns Area, Farmington NM
- Aug 1989 - Aug 1992 District Production Engineer, Unocal-Farmington District, Farmington, NM
- June 1983 - July 1989 Reservoir Engineer, Unocal-Midland District, Midland TX

## *Education and Accreditation's*

- B. S. Petroleum Engineering, University of Texas, 1983
- Registered Professional Engineer, Petroleum Engineering, State of New Mexico #13522
- Current MMS Well Control Certification
- Member of SPE (Society of Petroleum Engineers) and API (American Petroleum Institute)

## *References*

Available on request

## Thomas Edward Mullins (Tom)

PO Box # 256 Farmington, New Mexico 87499-0256  
(505) 566-3725- office / (505) 325-6585-fax / (505) 320-1751 - mobile  
tom.mullins@synergyoperating.com - E-mail / [REDACTED] [REDACTED]

### Experience:

Drilling/Completion preparation, hydraulic stimulation design, and onsite field supervision of over 450 San Juan Basin workovers/new wells. Conventional and Coal Bed Methane expertise. Simultaneous management of 7 completion rigs and 2 drilling rigs in the SJB.

Strategic planning and annual budget implementation of 35 MM\$ capital resulting in annual reserve development and additions in excess of 100 BCFE, and 25 MM\$ NPV.

Reservoir engineering management and financial responsibility of 3,200+ wells, 1.3 TCFE, 280 MMCFD & 600 BOPD.

Principal engineer in discovery and exploitation of single largest non-coal San Juan Basin hydrocarbon discovery in 15+ years. Lower Dakota (Burro Canyon).

Fifteen (15) years of diversified production, reservoir, & acquisition engineering experience. New team member integration, coaching, and successful multi-disciplinary team performance. Exploration and development well planning and financial modeling. Rocky Mountain CBM Expertise.

### Education/Civic:

<b>Colorado School of Mines, BS Petroleum Engineering,</b>	December 1991
Outstanding Graduating Senior Award Petroleum Engineering	
<b>Registered Professional Engineer, State of New Mexico, Petroleum Engineering # 14247</b>	
<b>Independent Petroleum Association of New Mexico (IPANM), Board Member</b>	2004 to present
<b>New Mexico Oil and Gas Association (NMOGA), Member</b>	2003 to present
<b>American Petroleum Institute, Four Corners Chapter, Treasurer</b>	1995 to 1998
<b>Kiwanis Noon Day Club, Farmington, Former President,</b>	1992 to present
<b>Society of Petroleum Engineers, Active Member</b>	1989 to present
<b>Four Corners Geological Society, Member</b>	1997 to present
<b>American Association of Petroleum Geologists, Associate Member</b>	2001 to present
<b>Four Corners Oil &amp; Gas Conference, Executive Committee, Chairman</b>	1999 to present

### Work History:

**Synergy Operating, LLC / Mullins Energy, Inc, Farmington, NM** Nov 1996 to present  
Principal / Engineering Manager. Evaluated San Juan Basin, Raton Basin, Uinta Basin, Green River, & Piceance Basin acquisition potential. Geographix, GIS, & ARIES software expertise and economic risk evaluation experience. Project manager of 4CAT Alliance (BJ Services, Key Energy, Baker Oil Tools, Blue Jet Inc) projects, Phillips Petroleum, Contract Engineering, Field Supervision, Stimulation Quality Control, and Project Management. Operator and Independent Producer. Numerous supporting functions for multiple SJB operators. Fruitland Coal and Menefee Coal Bed Methane Expert.

**Burlington Resources, (Meridian Oil Inc), Farmington, NM** Jan 1992 to Sep 1996  
Reservoir Engineer for three (3) area asset teams, 1/6 of reserve base for entire company. Project management and accountability tracking for the majority of Non-operated SJB properties. Team leader and coach for peers and staff. Routinely relied upon to lead Budget preparations and QC current company standard practices. Accounting and Joint-Interest-Billing review. Production and reservoir engineering work in all conventional and coal producing formations. Limited entry hydraulic stimulation expertise & completion supervision.

**Meridian Oil Inc, Farmington, NM** May 1991 to Sep 1991  
Summer Intern Production Engineer recommended use of progressing cavity pumps in Fruitland Coal over-pressured area adopted on many future wells with substantial production increases. Marginal Fruitland Coal hydraulic stimulation analysis.

### Miscellaneous:

Excellent oral, written, and presentation skills. Computer literate with emphasis in large database management. Expert Witness Testimony. Numerous industry technical and Social development schools. Hobbies: Reading, Hiking,, Home Construction, Environmental Research.

### References:

Please contact several of my peers and industry colleagues for more information.

### Family:

Married for 6 years, Two (2) Children ages 2 and 6 years of age.