

Exhibit No. _____
Issue: *Spire OFO and Curtailment Notices,
System Integrity, Spire Operations
During Cold Weather Event, Other Issues*
Witness: *James N. Cantwell*
Type of Exhibit: *Direct*
Sponsoring Party: *Constellation NewEnergy-Gas Division,
LLC*
Case No: *File No. GC-2021-0315*
Date: *Dec. 20, 2021*

JIM CANTWELL

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SAPPHIRE, NC 28774

Expert Witness & Professional Consulting Services (6/12-Present)

Sapphire, NC

- Providing limited professional consulting and expert witness services relating to greenfield industrial projects, inter and intrastate gathering and transportation services, and disputes between gas utilities and gas marketers, royalty owners and producers, gas processors and project management providers, and midstream owner/operators and producers, relating to royalty compensation, production handling and marketing services for crude, condensate, gas and natural gas liquids produced in mature and developing basins including the Bakken, Eagleford, Permian Basin, DJ, Niobrara, Marcellus, Utica, Haynesville and Barnett shale plays.
- Provided expert witness services in over 30 cases in claims, mediations, arbitrations and litigation regarding the above described industry activities and testimony as an expert in Texas, Louisiana, Colorado and Alabama, and on multiple occasions in front of the Texas Railroad Commission and the Alabama Oil & Gas Board.
- Client list includes inter and intra-state gas pipelines, gas marketers, gas utilities, industrial companies, midstream asset owner/operators, producers, working and royalty interest owners, and venture capital funds with assets and properties in Texas, Louisiana, Oklahoma Arkansas, Alabama, Mississippi, Colorado, New Mexico, North Dakota, West Virginia, Pennsylvania and Ohio.
- Provided six years of independent professional consulting services for a privately held world class greenfield Gas to Methanol project in St James Parish, Louisiana. Negotiated multiple long term contracts valued at several billion dollars for firm gas transportation capacity, long term gas supply, long term electricity supply, and MeOH terminaling/storage services. Plant operations commenced in the fourth quarter 2020.

Plains Gas Solutions, LLC (Successor to CDM MAX) 4/05 – 5/12

Houston, TX

President (8/05 – 5/12)

- Co-founded and served as President of CDM MAX, LLC, a gas gathering and processing company focused on the U.S. Gulf Coast area in 8/2005
- Developed revolutionary Daily Resource Management Service and proprietary cryogenic gas processing financial/operating model
- Negotiated all aspects of the acquisition/renovation of the Patterson Gas Plant from Duke Energy and related long term inter/intra-state agreements for PTR purchase, pipeline straddle, producer processing, NGL T&F, NGL sales, contract compression, and all procurement & construction agreements (the “Plant Agreements”) for this 600 MMCFD cryogenic gas plant located in Patterson, LA
- Negotiated all aspects of a long term Tennessee Gas Pipeline Straddle Agreement and related Plant Agreements, in a very competitive environment following Hurricane Rita, to replace the BP Grand Chenier Gas Plant with a new greenfield, 450 MMCFD cryogenic gas plant located in Grand Chenier, LA
- Negotiated all aspects of a long term Sklar Exploration processing agreement and related Plant Agreements, for a 4 MMCFD custom designed refrigeration plant for Sklar’s rich gas production from the Little Cedar Creek Field in AL (doubled capacity in 2012 for additional gas)

- Negotiated all aspects of a long term Anchor Exploration processing agreement and related Plant Agreements, for a 6 MMCFD custom designed refrigeration/sour gas treating plant for Anchor's rich gas production from the Dogwood Oaks Field in AL
- Managed the bid process/sale of CDM MAX to Plains All American in 5/09
- Negotiated all aspects of a long term Pine Prairie Storage Straddle Agreement and related Plant Agreements, for a 150 MMCFD custom designed cryogenic gas processing plant to process Plains' storage gas from the Pine Prairie Storage facility located in Basil, LA
- Negotiated rich gas and volatile condensate gathering, processing and stabilization contracts for third party production in the Bakken, Eagleford, Utica and Marcellus shale plays
- Managed the design and construction of a 40,000 bbl/d (later expanded to 80,000 bbl/d) volatile condensate gathering and stabilization facility, and negotiated all aspects of the related service agreements, for the facility located in Gardendale, TX
- Served as President of Plains Gas Solutions and retired in 5/2012

Sklar Exploration Company, LLC **11/98 - 3/05** **Shreveport, LA**

Part time employee and consultant (11/01 – 3/05)

- Managed transition period for replacement COO at Sklar
- Miscellaneous consulting services for Reliant Energy, Sheridan Energy, Calpine Exploration, and Texla Energy regarding inter/intra-state natural gas gathering, transportation and marketing agreements
- Served as a Mediator for Lemle & Kelleher, LLP and provided Expert Witness testimony for Hall & Estill, LLP in cases regarding intrastate natural gas gathering charges and services

V.P. and Chief Operating Officer (11/98 – 10/01)

- Seventy-five year old, privately held oil and gas exploration and production company active in the Ark-La-Tex Region
- Responsible for all operations, marketing (crude, condensate, gas & natural gas liquids), financial hedging, land/regulatory issues and royalty/working interest owner relations
- Annual drilling budget \$40MM

SCANA Corporation **5/93 – 11/97** **Houston, TX**

President SCANA Petroleum Resources, Inc. ("SPR") and CDM Resource Management, LLC ("CDM RM") (1/95 - 11/97)

- \$300MM oil & gas exploration and production affiliate of SCANA Corp.
- Largest unregulated subsidiary of this \$4.3 Billion Electric Utility
- Focused on U.S. Gulf Coast and Midcontinent production
- \$60MM in annual revenue and \$40MM drilling budget
- Managed company's 5 year commodity hedge and led substantial profit turnaround
- Developed equity investment in, co-founded and served as first President of CDM RM, a start-up contract compression company
- Negotiated \$190MM in strategic asset sales plus final sale of SPR in 11/97 for \$110MM

V. P. and General Manager **SCANA Energy Marketing, Inc.** (5/93 - 12/94)

- Managed all marketing/hedging activities for **SPR** and third party oil/gas/NGL production
- Annual revenue \$60MM+
- Natural gas sales/transport activities on 24 inter/intra-state pipelines in 21 states

CenterPoint Energy Corporation (Formerly Arkla Energy Resources) 9/88 – 4/93 Shreveport, LA

Director Gathering Services (1/92 - 4/93)

- Led project to segment/position regulated interstate pipeline assets for deregulated spin-off
- Responsible for 800 MMCFD throughput, 2500 miles of pipe and 3600 receipt points
- Assets included 50,000 HP of field compression in 7 states, annual revenue \$35 Million

Director Transportation Services (2/90 - 12/91)

- Interstate Pipeline with 1.6 BCFD throughput, 16,000 shippers and assets in 7 states
- Managed regulated agreements and services with affiliates including Laclede, MRT and Arkla Gas (state regulated gas utilities) and Arkla Energy Marketing (gas marketing company)
- Administered transportation/balancing/exchange services during pivotal deregulation period

Director Contract Settlements & Take-or-Pay Resolution (9/88 - 1/90)

- Negotiated the resolution of 125 take-or-pay related producer settlements with **\$2 Billion** in exposure, and served as the sole Arkla corporate witness in 42 lawsuits with the Oklahoma Corporation Commission
- Restructured thousands of non-market responsive interstate gas purchase contracts into market based gas purchase and/or gathering contracts
- Managed transition from FERC regulated gas purchaser to multi-state gas gatherer and interstate long haul gas transporter, spot gas purchaser

Arco Oil and Gas Company 6/85 – 8/88

Dallas/Midland, TX

Sr. Gas Marketing Rep. Dallas, TX (1/87-8/88)

- Negotiated take-or-pay settlement against Arkla for midcontinent claims, valued by Arco at over \$500MM, and restructured regulated gas sales agreements to unregulated gas gathering/transport agreements
- Renegotiated regulated, long term gas purchase contracts into market responsive contracts
- Marketed all ARCO Midcontinent gas, and all ARCO plant residue gas and NGL production

Sr. Gas Contracts Engineer Midcontinent Division - Midland, TX (6/85 - 12/86)

- Negotiated all Producer purchase/processing/POP contracts for the Division's 24 gas plants
- Significantly increased throughput in all Plants with innovative hybrid agreements

Exxon Company, USA 8/81 – 5/85

Midland, TX

District Engineer Midland District (8/83 - 5/85)

- Direct operating responsibility for 2 cryogenic gas plants and related oil fields
- Total of 65 MMCFD capacity, low pressure rich and sour gas gathering, amine treating, dehydration, inlet/residue compression and CLAUS Plant elemental sulfur recovery

Division Engineer Midcontinent Division (8/81 - 7/83)

- Responsible for monthly reporting to senior Division Management
- Reported revenue, expenses, residue and NGL production from Exxon's interest in 23 plants
- Responsible for all capital projects in 4 operated and 19 operated by others, plants

EDUCATION UNIVERSITY OF TEXAS

AUSTIN, TX

- Bachelor of Science in Mechanical Engineering with Honors
- Completed 4-year College Co-op Program with Otis Engineering, a Halliburton affiliate
- Presenter at University of Texas CLE Course – Houston, TX 2019