R The WellRX Daily

A CAPITALIZE RESEARCH DIGEST · MEDICAL DIRECTOR: JAMES E. SCHWARTZ

Northfare Operating raises GI active gene-sequencing division across a Gulf Coast region gas-and-water operating portfolio, with 172 active wells and 14,218 MCF/D of gas production. Of them 23 are offline (9 TEXAS, 12 LOUISIANA, 2 NEW MEXICO), 52 are in the OFFLINE STILL 10-WELL CLUSTER, 1 NEW MEXICO, 1 OKLAHOMA, 1 ALABAMA, 1 ARKANSAS, 1 NEW JERSEY, 1 NEVADA, 1 OHIO, 1 PENNSYLVANIA, 1 TENNESSEE, 1 WEST VIRGINIA. Offline wells are the single highest-leverage lever in the portfolio.

172 TOTAL ACTIVE WELLS · 14,218 MCF/D · 23 OFFLINE · 52 OFFLINE STILL 10-WELL CLUSTER · $76,781/mo · 10-WELL CLUSTER

The gathering system is the bottleneck. ** A *fifty-cluster* of 8 wells on the Sandstone / Ashcroft / Kirby / Riverbend / Markham Creek CTB network (blocks 19, 18, 18R, 19R) shut-in because the gathering system is at capacity. Combined production is roughly 1,800 mcf/d, minus more than 20 TB per baseline in 300-400 psi. Cumulative shut-in drops across the cluster total ~320-350 MCF/D, 96-105 mcf/d, ~107,000/mo of lost revenue. This is compressor gathering, not reservoir. Sandstone, Ashcroft, Kirby, Riverbend, Markham Creek Block 19R/18R/18 and Bacon Branch Salem Unit 19R/18/19 show that the pattern repeats across the same window — that's the hand of a failing compressor or pipeline upstream. **Five Bacon Branch Salem Unit wells (19R/18/19) are shut-in since 2025-07-01, 2025-07-02, 2025-07-04, 2025-07-05, 2025-07-06 for "Gathering system capacity." Expected to be restored after the CP / Bayou compressor station, and call workovers for sales flow pressure history on the Bacon Unit NCT operator as well. Small interventions in that cluster until gathering is confirmed.

Six wells ~1,000 mcf/d in the window ** 18 wells dark across the real shows charted is saturated with infrastructure risks. Within the 172 active wells, 18 are shut-in, 6 of them are in the Sandstone / Ashcroft / Kirby / Riverbend / Markham Creek Block 19R/18R/18 (1H2, and most dark wells window — those are the highest-ROI wells to bring back. Bacon Unit 19R/18/19 (5 wells, 2025-07-01 / 02 / 04 / 05 / 06) is the second-largest cluster. Bacon Unit NCT is a pumper ground-truth survey to distinguish real low wells from decommissioned ones. Below 3 years of data, WellRX alerts on them are noise. Also 3 years 3 to 4.25 battery — that BTU is days from terminal, temp the risk.

Chronically and artificial lift are material but secondary. 90 wells are chronically shut-in, 6 are on artificial lift. Of the gathering wells — Bacon 9 Unit 19/18/19, 19N/18N/18N, Arnold Marsh C W, mostly 21 plunger conditions by slug injection and 19 plunger conditions by slug injection. Bacon Unit, Arnold Marsh C W, Bacon 9 Unit, Bacon 9 Unit, Bacon 9 Unit, Arnold Marsh C W, Bacon 9 Unit, Bacon 9 Unit, Bacon 9 Unit

STANFORD-001

Stanford, MN

Stanford Operations Center

Stanford Operations Center

Stanford Operations Center

DIFFERENTIAL

- Cell modem — most common (replace ~$600)
- Solar panel shaded/damaged or charge controller dead
- Battery reached end of life — check last battery,v reading
- Totalflow firmware hung — power cycle fixes

IMMEDIATE ACTION

Dispatch I&E technician. Confirm power and comms. Power-cycle first; if still dark, pull modem SN and verify with Verizon/AT&T that SIM is active.

DIAGNOSTICS NEEDED

- Last successful poll timestamp
- Modem RSSI reading
- Battery voltage at site

FIX OPTIONS & ROI

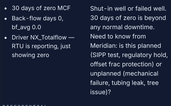
ACTION	COST	EXPECTED	PAYBACK
Field I&E visit (power-cycle, check modem)	$200-400 truck roll	~60% first-visit restore rate	immediate — restores visibility
Cell modem swap	$600-900 parts + $200 labor	permanent fix	N/A (infrastructure)

CASE · 043 · DEV 49977 — ZERO_FLOW · AMBER

Holloway #1 Injection

ZERO_FLOW · TARGET RECOVERY — · —

CONF: LOW



OBSERVED

- 30 days of zero MCF
- Back-flow days 0, bf_avg 0.0
- Driver NX_Totalflow — RTU is reporting, just showing zero

PRIMARY DIAGNOSIS

Shut-in well or failed well. 30 days of zero is beyond any normal downtime. Need to know from Meridian: is this planned (SIPP test, regulatory hold, offset frac protection) or unplanned (mechanical failure, tubing leak, tree issue)?

DIFFERENTIAL

- Planned shut-in (frac protection, SIPP test, regulatory)
- Mechanical failure (tubing leak, wellhead leak, downhole restriction)
- Pumper mis-routed (well never gets visited)
- Abandoned / de facto P&A candidate

IMMEDIATE ACTION

Confirm intent with Meridian ops. If unplanned, workover evaluation.

DIAGNOSTICS NEEDED

- FWHP and CP at wellhead
- Tubing integrity test
- Last completion/workover date

FIX OPTIONS & ROI

ACTION	COST	EXPECTED	PAYBACK
Ground-truth with pumper	$0	diagnosis	N/A
If mechanical, workover evaluation	$30-80k	rate restoration	dependent on pre-shut-in rate

DIFFERENTIAL

- Cell modem — most common (replace ~$600)
- Solar panel shaded/damaged or charge controller dead
- Battery reached end of life — check last battery,v reading
- Totalflow firmware hung — power cycle fixes

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FIX OPTIONS & ROI

ACTION	COST	EXPECTED	PAYBACK
Field I&E visit (power-cycle, check modem)	$200-400 truck roll	~60% first-visit restore rate	immediate — restores visibility
Cell modem swap	$600-900 parts + $200 labor	permanent fix	N/A (infrastructure)

CASE · 044 · DEV 13610 — ZERO_FLOW · AMBER

Echo Bradford 2-1H

ZERO_FLOW · TARGET RECOVERY — · —

CONF: LOW

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FIX OPTIONS & ROI

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If mechanical, workover evaluation	$30-80k	rate restoration	dependent on pre-shut-in rate

CASE · 045 · DEV 38846 — ZERO_FLOW · YELLOW

SALADO CREEK 011

ZERO_FLOW · TARGET RECOVERY — · —

CONF: HIGH

OBSERVED

- Forward MCF = 0, but back-flow 20/30 days @ ~100 MCF/D avg
- Classification is misleading — this meter is moving gas, just in reverse direction

PRIMARY DIAGNOSIS

Not a zero-flow well. This is either (a) a gas-lift buyback meter dispositioning injection gas, (b) a meter piped backwards, or (c) a plant-side meter that inverted sales direction. WellRX zero-flow classifier should be patched to treat high-BF / zero-FF as its own class.

DIFFERENTIAL

- Gas lift injection gas buyback meter
- Installed backwards
- Plant-level inverted flow

IMMEDIATE ACTION

Confirm with engineering — this well does not need a workover; it's a data issue.

DIAGNOSTICS NEEDED

- Meter orientation verification
- AGA orifice plate direction check

FIX OPTIONS & ROI

ACTION	COST	EXPECTED	PAYBACK
Patch WellRX classifier to treat BF=100 as dedicated 'INJECTION' class	software change	removes false ZERO_FLOW alarm	immediate

CASE · 046 · DEV 46035 — ZERO_FLOW · AMBER

HARMON PIERCE GU 001

ZERO_FLOW · TARGET RECOVERY — · —

CONF: LOW

OBSERVED

- 30 days of zero MCF
- Back-flow days 0, bf_avg 0.0
- Driver NX_Totalflow — RTU is reporting, just showing zero

PRIMARY DIAGNOSIS

Shut-in well or failed well. 30 days of zero is beyond any normal downtime. Need to know from Meridian: is this planned (SIPP test, regulatory hold, offset frac protection) or unplanned (mechanical failure, tubing leak, tree issue)?

DIFFERENTIAL

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Confirm intent with Meridian ops. If unplanned, workover evaluation.

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FIX OPTIONS & ROI

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Ground-truth with pumper	$0	diagnosis	N/A
If mechanical, workover evaluation	$30-80k	rate restoration	dependent on pre-shut-in rate

§ VII Watch List

22 wells on watch — trending but not yet critical. Ground-truth on next pumper visit; escalate to a priority case if signal degrades.

WELL	DEV	CLASS	REASON	MCF/D	Δ 7/30	PUMPER CHECK
Henry R Shaw #3 Alloc	19866	DECLINING	Declining −27% but low absolute loss (<20 MCF/D).	25.541231	-27.4%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Lockhart #1 Alloc	19848	DECLINING	Declining −16% but low absolute loss (<20 MCF/D).	61.000004	-15.9%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
ORION 001	38887	DECLINING	Declining −23% but low absolute loss (<20 MCF/D).	0.004286276	-23.3%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
GALLATIN 002	38857	DECLINING	Declining −69% but low absolute loss (<20 MCF/D).	0.0	-69.2%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Barrett #3	57325	DECLINING	Declining −100% but low absolute loss (<20 MCF/D).	0.0	-100.0%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Rockwell Meadows GU #4	45992	DECLINING	Declining −36% but low absolute loss (<20 MCF/D).	0.0	-36.2%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Ledford 1	105657	DECLINING	Declining −24% but low absolute loss (<20 MCF/D).	5.2564836	-24.0%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Warren GU 1-4	111834	DECLINING	Declining −30% but low absolute loss (<20 MCF/D).	0.0	-30.2%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Ramsey Fields Buy Back	40533	DECLINING	Declining −100% but low absolute loss (<20 MCF/D).	0.0	-100.0%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Ashcroft #1 Alloc	19871	DECLINING	Declining −100% but low absolute loss (<20 MCF/D).	0.0	-100.0%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Amelia Kirk #2H	45996	DECLINING	Declining −100% but low absolute loss (<20 MCF/D).	0.0	-100.0%	Pumper routine visit — FWHP, CP, battery, water gauges. No spend until trend continues.
Cogswell #1	107225	LOW_FT	Low FT (7%) but <50 MCF/D — uplift too small for capex plunger today.	0.0	72.5%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
Eisenhope #1 Alloc	19868	LOW_FT	Low FT (49%) but <50 MCF/D — uplift too small for capex plunger today.	71.14637	21.7%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
BRENNER S R 002	46002	LOW_FT	Low FT (18%) but <50 MCF/D — uplift too small for capex plunger today.	24.398127	-3.5%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
Kirby #3 Alloc	19872	LOW_FT	Low FT (44%) but <50 MCF/D — uplift too small for capex plunger today.	21.260355	-12.4%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
WINSLOW S H GU 005	46038	LOW_FT	Low FT (29%) but <50 MCF/D — uplift too small for capex plunger today.	17.624361	-10.8%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
Winthrop 1	40019	LOW_FT	Low FT (38%) but <50 MCF/D — uplift too small for capex plunger today.	12.873819	-11.4%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
HENDERSON NORTH	38880	LOW_FT	Low FT (0%) but <50 MCF/D — uplift too small for capex plunger today.	0.0	75.8%	Soap-stick trial 2 weeks. If rate responds, revisit plunger economics.
BRADFORD ECHO 06H	46027	OFFLINE	RTU dark 14d but had 17 days of data in window — real well, real outage.	0	None%	I&E truck roll to power-cycle RTU; confirm modem / solar.
Gallatin-West Sales CMA	6138	OFFLINE	RTU dark 18d but had 13 days of data in window — real well, real outage.	0	None%	I&E truck roll to power-cycle RTU; confirm modem / solar.
Lamar #1H	26525	OFFLINE	RTU dark 18d but had 13 days of data in window — real well, real outage.	0	None%	I&E truck roll to power-cycle RTU; confirm modem / solar.
WESLEY 002	46031	OFFLINE	RTU dark 17d but had 14 days of data in window — real well, real outage.	0	None%	I&E truck roll to power-cycle RTU; confirm modem / solar.

§ VIII Data Quality · What Is Not Diagnosable Here

Honest enumeration of what this report *cannot* tell you without additional data. Items marked `confidence: low` in the diagnosis JSON indicate diagnoses that need field confirmation.

Not in SCADA: water cut per well (gauge-sheet coverage is 4 CTBs only), GOR trends, tubing / completion metadata, gas composition (CO_2 / H_2S / N_2), downhole surveys.

Needed from the operator: midstream line-pressure history on the Kirby / Bayou header (critical for the headline cluster event), and a 30-day pumper ground-truth sweep of the 23 offline devices to separate decommissioned from live-but-dark.

Two classifier bugs flagged for patching in WellRX: SALADO CREEK 011 and ORION 001 are gas-lift injection buyback meters (high back-flow, steady signature) being mis-classified as ZERO_FLOW / DECLINING. A BUYBACK class should be added upstream.

Price assumption: $3.50/MCF flat across the report. Override the multiplier in the diagnosis JSON to rescale revenue figures.