ZAI DIGITAL INFRASTRUCTURE / HISTORICAL EVIDENCE

Evidence Annex AVA STATE 36

Source index · captured-record fingerprints · arithmetic and GIS verification context
November 3, 2026 · self-commissioned research demonstration

Self-commissioned public-record demonstration · November 3, 2026
Subject: RRC District 08 · Gas ID 286604 · API 42-389-37046 · Reeves County, Texas.
Scope: dates, direct row extracts, source-file fingerprints and repeatable public research routes. This annex is paired with the Asset Evidence Review. It is **not** a substitute for complete original regulatory filings; SR-09 explicitly records the November 3, 2026 public Form PR query, while other captures remain historical.

A | Source Record Index — public route and fixed evidence identity

Every entry distinguishes **issuing authority**, **source period**, **copy retained by ZAI / date**, **public reproduction route**, and the **SHA-256 fingerprint** of the stated retained artifact where available. A SHA-256 fingerprint verifies *matching bytes* when those bytes are available to the reader. It does not guarantee the issuing authority has not since revised the data.

SR-01 — Historic identity, production and recorded status

Issuer: Railroad Commission of Texas (RRC). **Record families:** monthly gas production (gas ID), wellbore/lease identity and dated well status. **Key:** public District **08**, Gas ID **286604**, API **42-389-37046**, well **3H**, historical operator **130061**. **Periods:** production July 2024–June 2026; well-status report file dated **Sep 2, 2026**. **Acquisition/research:** Sep 18–19, 2026. **Public route:** RRC Production Data Query / Specific Lease Query; choose Gas Wells, District 08, 286604, Jul 2024–Jun 2026; use RRC Wellbore Query for API and well ID; compare later revisions. **Retained archive digest:** `add29ef717e430e0d55b7ecd3edc35958704b97807f807e4ffd12dc4a273a359`; production extract fingerprint `032d3c113cd7de610dd3389e232be899c74c4503b076de1972906b8b5a55a02d`; dated wellbore report `744a22c6e434a745890c96ecfc43baa01642ec682b57692b2fd4e0fe4e198864`.

Public starting point: https://www.rrc.texas.gov/oil-and-gas/research-and-statistics/production-data/
Query limitations: the retained internal district code **10** maps to public **08** in that historic source; using public District 10 would retrieve the wrong geography. Production query display may transform dispositions: consult the original Form PR query where exact codes matter.

SR-02 — Direct Form PR gas disposition, April–June 2026

Issuer: RRC. Form PR public gas lease query, District 08, Gas ID 286604, April–June 2026. Retained retrieval: **Sep 30, 2026 at 12:32:04 UTC.** Retained original HTML SHA-256: 96923d91b1e625a9bf0010d3f21d7c2079b6c9cd753d88e91df3668826537ec5 Public entry: https://webapps.rrc.texas.gov/PR/publicQueriesMainAction.do Query: leaseType=Gas, district=08, leaseNumber=286604; startMonth=4, startYear=2026, endMonth=6, endYear=2026; Lease Query. Each Code 10 row contains remark **AR (Authorized by Rule)**—the filer's stated basis only. No ZAI verification of regulatory authority or compliance; Code 11 absent in captured rows is not a filed zero. Corrected filings may differ. [SR-07] **Retained HTML header:** Current Operator: CAPITAN ENERGY, INCORPORATED (130061); Field: FORD, WEST (WOLFCAMP).

SR-03 — Historical GIS pipeline-distance reproduction

Issuer: RRC public well/pipeline shapefiles. **Place/time:** Reeves County; historic RRC data acquired **Sep 6, 2026**. **Point:** AVA 3H, lon approximately `-104.019330891399`, lat `31.797259691053`. **Filter:** mapped in-service **gas gathering (SYSTYPE G) OR gas transmission (SYSTYPE T)** segments (`STATUS_CD=I`), projected `EPSG:32613`, well point to union of selected line geometries, feet conversion `3.28084`. **Result: 2,142.157012144 feet**, screen class **FAR** using a historic >=1,320-ft heuristic. **Archived well shapefile ZIP SHA-256:** `26889D71378ABD8A87A85003B98DAD8C01DC955409194DA01A0268A6283E46C0`. **Archived pipeline shapefile ZIP SHA-256:** `04713FC3AF15EE7BDF21458CFB7733183CD45F84B15D89271D6F763D992CC48A`. **Public route:** RRC GIS Viewer, Reeves County, search API; see Pipeline Search and county shapefile download options. **Meaning:** a historic *mapped* pipeline screen, not a connection/rights/capacity survey. In-service (`I`) may include maintained idle segments; the mapped permitted dataset may omit unregulated gathering lines. Do not treat the distance as a full network census.

Public entry: https://www.rrc.texas.gov/resource-center/research/gis-viewer/
Pipeline search help: https://gis.rrc.texas.gov/gisviewer/GISViewer/docs/WebHelp/Searches.htm

SR-04 — Historic transport authorisation (Form P-4)

Issuer: RRC. **Record:** Producer's Transportation Authority / Certificate of Compliance P-4; gas ID **286604**, internal source district **10 / public 08**. **Retained reproduction date: Sep 6, 2026**. **Observed:** seven qualified historical rows, including **gatherer and purchaser** classifications. **Archived compressed P-4 source SHA-256:** `16F5D95E09E8796DCB60934B29AB3555EB7726ACF8DE1500F9F2BB7196784D75`. **Public route:** RRC P-4 Gatherer/Purchaser Query from Online Research Queries, search gas ID, District 08 and identify effective dates / counterparties. **Meaning:** presence in filing records only; contract status, physical connection and capacity unknown.

Public entry: https://www.rrc.texas.gov/resource-center/research/research-queries/

SR-05 — Recorded well status, not site flow

Issuer: RRC. **Record:** Wellbore export with report filename date **Sep 2, 2026**, retained acquisition **Sep 18, 2026**. **Recorded row:** `PRODUCING`, API **42-389-37046**, Gas ID **286604**, well **3H** and operator **130061**. **Retained source SHA-256:** `744a22c6e434a745890c96ecfc43baa01642ec682b57692b2fd4e0fe4e198864`. **Public route:** RRC Wellbore Query; match API, gas ID, operator and record date. **Caveat:** status is a filed/recorded label, not a current meter observation.

SR-06 — Two history records and snapshot-vintage reconciliation

Issuer: RRC-derived monthly production and a documented secondary reconstruction. **Dates:** controlled historical comparison **Sep 6, 2026**; former validation **Sep 7, 2026**; later export **Sep 18, 2026**. **Finding 1:** Nov 2025–Apr 2026 = **89,527 Mcf**; Dec 2025–May 2026 = **87,328 Mcf**; five shared months consistent. **Finding 2:** the Sep 7 dataset showed June 2026 not filed; in the Sep 18 export June is flagged filed at **12,252 Mcf**. **Meaning:** different windows and source vintages, not errors established in the original filing. **Public repeat:** RRC Specific Lease monthly query for the exact respective periods and retrieval date. **Later July–September 2026 public Form PR was retrieved in a separate November 3, 2026 session (SR-09); older snapshot-window differences remain archival.**

SR-07 — Definitions and reporting rules

Issuer: RRC. Form PR Instructions (Jan 25, 2022), pp. 2–3. Disposition codes: 01 field fuel, 02 transmission, 05 gas lift, 10 flared, 11 vented. Code 10/11 remarks: **AR** Authorized by Rule; **AE** Authorized by Exception; **EP** Exception Pending; **EX** Exempt. Original PDF acquired Sep 30, 2026. SHA-256: 3106f84dac5ae6c208d8576c292965e5258e357f0599690b547ffaaa768800ac Official source: https://www.rrc.texas.gov/media/mxcpw5vn/form-pr-instructions-01-25-2022.pdf

SR-08 — Rule 32 and T-4 public-query attempt, November 3, 2026

Issuer: Railroad Commission of Texas (RRC). **Scope:** AVA STATE 36 / Gas ID 286604 / historic operator 130061, with focus on 2026-04 through 2026-08. **Attempt performed:** access to the RRC Flare/Vent Exceptions (Statewide Rule 32) application; a targeted operator-only query (`operatorNumber=130061`) and a second query with `propertyId=286604` and `leaseName=AVA STATE 36` displayed **0–0 of 0** result rows. **Important:** this is a *search-screen observation*, not official evidence that no exception exists. Name/identifier variation, operator changes, historic docket records, application coverage (from 2021-05-02), source revisions and incomplete interface query semantics limit interpretation. Retained HTTP response hashes: operator-only `54ba509e9fe95a77b1d6d9cfdae14e8f2cb434bb09e7bf74e75e3cc1876178da` and combined-query `763099984c19f0cdf8ae738f7d83ebd3a2647364d858b471725395f02a781b74`; originals retained separately on the ZAI's acquisition workstation, not attached to this reader annex.

Apr–Jun AR remarks and a zero-match R-32 screen do not establish compliance. [SR-02, SR-07]

Historic related well: the RRC public Rule 32 proposals index includes an AVA STATE 36 **2H** matter, distinct from AVA **3H**; it is not evidence of a matching 2026 authorization for this gas ID. Public docket index: https://www.rrc.texas.gov/hearings/dockets/oil-gas-proposals-for-decision-and-orders/index-for-3-32-gas-well-gas-and-casinghead-gas-for-legal-purposes/ .

T-4: Official RRC T-4 instructions were read; the legacy online permit search endpoint returned **403 Forbidden** when accessed. RRC says filings since 2015 reside in its Pipeline Online Permit System (POPS). **No T-4 permit for this AVA asset was verified.** This does not establish no relevant line or permit. Public instructions: https://www.rrc.texas.gov/pipeline-safety/permitting-and-mapping/permitting/how-to-search-for-t-4-permits/ .

Rule 32 public query: https://webapps.rrc.state.tx.us/swr32/publicquery.xhtml . **Report scope:** no operator-specific Rule 32 or T-4 approval / absence / compliance determination.

SR-09 — New Form PR capture, July–September 2026, November 3, 2026

Issuer: RRC, public Production Reports (Form PR) lease-query interface. **Query:** `leaseType=Gas`, public District `08`, Gas ID / RRC Identifier `286604`, `startMonth=7`, `startYear=2026`, `endMonth=9`, `endYear=2026`, `submit=Lease` Query. **Retrieved:** November 3, 2026 at ZAI's acquisition workstation; **July and August are filed and September reads NO REPORT ON FILE**. **Captured HTML bytes:** `21,094`, SHA-256 **`2682216878f97ee761970e1195a9425080047464920d6a163811c705f4e48e2b`**. Public repeat route: https://webapps.rrc.texas.gov/PR/publicQueriesMainAction.do .
The dated query labels CAPITAN ENERGY, INCORPORATED (130061) as "Current Operator" for AVA STATE 36 / 3H; this is not field verification or contract evidence.

Month / snapshot status	Formation gas Mcf	Code 01	Code 02	Code 05	Code 10	Code 10 share	Code 02 share
July 2026 / filed row	14,309	679	12,571	978	81	0.57%	87.85%
August 2026 / filed row	13,182	673	11,648	245	616	4.67%	88.36%
September 2026	**NO REPORT ON FILE**	—	—	—	—	—	—

July/August Code 01/02/05/10 sums reconcile to reported gas formation totals. The underlying July–August Code 10 remark fields were **not verified** from the original filing bytes for this public summary; do not infer AR, AE or other authorisation. September **NO REPORT ON FILE** is not a filed zero. Later corrections may change results; SR-01 and SR-09 are distinct source vintages.

B | Direct Form PR extracted rows and arithmetic (September and November source dates)

Periods: April–June 2026 retained RRC Form PR capture dated September 30 (SR-02), plus separately captured July–September query dated November 3 (SR-09). **Unit:** Mcf as reported. The five disposition codes below are **category identifiers**, not indicators of site connectivity. Code **11** was not separately present in the captured older rows; no affirmative zero is claimed.

Month	Total / formation	01 field fuel	02 transmission	05 gas lift	10 flared	Code sums match total
2026-04	13,277	621	12	26	12,618	YES
2026-05	13,166	608	11,976	346	236	YES
2026-06	12,252	503	10,356	1,024	369	YES
2026-07	14,309	679	12,571	978	81	YES
2026-08	13,182	673	11,648	245	616	YES

For a third-party reproduction, run the SR-02 and SR-09 public queries with the same separate time bounds; examine each month's separate code rows and any amended filings. **Do not treat the present annex as a byte-for-byte photocopy of an RRC Form PR page.** These are **arithmetically checked structured extracts** from two dated captures, not the complete original filings.

C | Historical GIS calculation card

Attribute	Recorded configuration or observation
Asset / well	AVA STATE 36 / gas ID 286604 / 3H / API 42-389-37046
Observed GIS date	September 6, 2026 archived state
Surface-point coords	lat 31.797259691053, lon -104.019330891399
Geometry	Well point to filtered pipeline-line geometry union
Projection	EPSG:32613
Filter	STATUS_CD = I (in service; may include maintained idle); G = Gas Gathering OR T = Gas Transmission
Distance	2,142.157012144 feet (rounded 2,142 ft)
Historical screen	FAR (>=1,320 ft threshold)
Does this prove a connection?	**NO**
Does this prove no connection?	**NO**

The mapped screen can omit unregulated gathering systems and does not include a right-of-way survey, hydraulic capacity, actual physical hookup, pipeline owner confirmation or transported-volume receipt. GIS system-type code definitions: official RRC Digital Map Information User Guide, SYSTYPE table (G/T); https://rrc.texas.gov/media/kmld3uzj/digital-map-information-user-guide.pdf .

D | Historic source-version discipline (documentation, not customer discrepancy)

A 24-row retained public-record extract (2024-07 through 2026-06) supports the monthly table in **this annex's Appendix.** A separate derived CSV, AVA_24_month_retained_record_extract.csv, is retained but not supplied in this public PDF package. Its recorded SHA-256 is: 117fd18ae39c8bb284a6da3d6e2bf20e31714a9faca6b71c0ba0f6a0935111cd

Rows contain month, filed Mcf, days, calculated mean and source locators; this derivative is not the complete RRC bulk data or proof of current flow.

The earlier **November 2025–April 2026** comparison had **89,527 Mcf** while the later **December 2025–May 2026** six-month window had **87,328 Mcf**. Five shared months agree; the difference **−2,199 Mcf** is the replacement of November 2025 (15,365) by May 2026 (13,166), **not a lost production volume**. Both are historical reconciliation notes, not current gas availability.

A secondary source version from **Sep 7, 2026** showed only 21 filed months in a different 24-month evaluation window (2024-09 through 2026-08), with June–August as **not filed**. The later **Sep 18, 2026** version includes June 2026, flagged filed. **The separate new Form PR query of Nov 3, 2026 addresses July–August 2026 and September NO REPORT ON FILE (SR-09). It does not establish any operating fact beyond reported filing status.**

E | Receiving-team verification checklist

1. Retain the performed **Form PR** 2026-07/08 query result (SR-09); check original/corrected April–August rows and any newly filed September record on the actual commissioned review date.
2. Resolve the **R-32/T-4** search limits documented in SR-08: search other relevant names/IDs and actual POPS permit filings. The current 0-row screen observation is not a complete clearance or proof of no permit.
3. Reconcile the historic **2,142-foot** pipeline-screen with current GIS, as well as contemporaneous routing/gathering receipts. A map-screen label is not a field-connection finding.
4. Verify the **September 2024** spike through original/amended Form PR and an operator or reporting explanation if needed.
5. Obtain only properly authorized private operational/contracts material after establishing a permitted receiving and retention route; do not infer any commercial rights from public P-4 names.

Boundary: This is an external-reading evidence annex, not the team's internal working archive and not a representation of current field validation. No private repository access is required to follow the public query routes described above.

Appendix | 24 retained gas months

These month-by-month figures are included for audit, not as a substitute for the cross-source findings. Source vintage: Sep 18, 2026; no present-day gas availability implied.

Month	Filed gas Mcf	Days	Mcf/calendar day
2024-07	16,160	31	521.29
2024-08	15,785	31	509.19
2024-09	42,745	30	1,424.83
2024-10	22,784	31	734.97
2024-11	13,170	30	439.00
2024-12	15,996	31	516.00
2025-01	11,780	31	380.00
2025-02	10,376	28	370.57
2025-03	11,265	31	363.39
2025-04	11,203	30	373.43
2025-05	11,128	31	358.97
2025-06	17,973	30	599.10
2025-07	23,443	31	756.23
2025-08	19,877	31	641.19
2025-09	17,487	30	582.90
2025-10	17,645	31	569.19
2025-11	15,365	30	512.17
2025-12	15,792	31	509.42
2026-01	16,500	31	532.26
2026-02	13,495	28	481.96
2026-03	15,098	31	487.03
2026-04	13,277	30	442.57
2026-05	13,166	31	424.71
2026-06	12,252	30	408.40
Total	**393,762**	**—**	**—**

Prepared with AI-assisted drafting and calculation tools; source capture, arithmetic and conclusions are documented in this annex and the paired report.