The Jernigan Prehistoric Hanging Bajada Canal is a western branch of the Mud Springs Canal. Jernigan is somewhat over 2 kilometers long and is primarily northward oriented. While only portions have been mapped, its hallmarks include exceptionally well defined end use fields, a related occupancy structure, four "U" turns, area artifacts, a counterflow example, and a short but steep French Drain segment.

There is also a possible aquaduct in the area, but this could alternately be a historic dam-like structure. Ownership is primarily on AZ State Lands, and the canal is directly sourced by the Mud Springs Canal. Elevations begin at 3000 feet and the average canal slope approximates 0.8 percent.
Access is primarily off Layton Road, Grandma Lane, and a pair of 4WD tracks. Here are some noteworthy Jernigan Canal features and locations...

32.82744 -109.82008  During a recent bloom, "dead flowers" clearly marked the canal routings in this area.

32.82763 -109.81954  Start of Jernigan Canal splits northward.

32.82763 -109.81954  "Small rocks" may partially define headgate.

32.82949 -109.81891  Reasonably traced area. Portions may split.

32.83387 -109.81647  Unknown routing, despite numerous trips.

32.83768 -109.81460  Vague routing seems barely credible.

32.83913 -109.81546  Enigmatic aqueduct or historic structure.

32.84013 -109.81275  Well defined area immediately adjacent to Layton Road and amazingly close and rather similarly elevated to Mud Springs Canal.

32.84281 -109.81329  Unknown routing, despite numerous trips.

32.84305 -109.81454  First of four "U-turns" to optimize terrain. Canal resumes easy tracibility.

32.84313 -109.81451  Two medium sized Mesquite trees mid channel.

32.84264 -109.81472  Second "U-Turn" counterflows wash crossing.

2.84275 -109.81547  Third "U-Turn" works its way around mesa edge.

32.84216 -109.81597  Significant hanging portion is eminently viewable.

32.84173 -109.81619  French Drain cascade is short but rather steep.

32.84173 -109.81619  Final "U-turn" delivers to destination fields.
Further Jernigan Canal work might include...

1 — Resolve missing portions from \(32.83069 -109.81815\) to \(32.83716 -109.81473\).

2 — Resolve missing portions from \(32.84131 -109.81263\) to \(32.83716 -109.81473\).

3 — Integrate present canal studies with previous resources.

4 — Drone fly and videotape the entire route.

5 — Further research the headgate stones.

6 — Improve exact GPS locations.

7 — Provide additional photography.

8 — Better determine nature of \(32.83913 -109.81546\) "aqueduct".

9 — Continue use of awareness tours.
JERN1 – Composite view shows projected destination fields in the foreground, a significant hanging canal portion mid image, and Webster Hill in the background. A short but steep French Drain is off-image to the right. This canal dramatically "U-turn" reverses itself four times to optimize terrain following. A "counterflow" segment is used to cross a wash. The view is to the east at 32.84234,-109.81704.