LEDFORD CANAL FIELD NOTES

USGS Topo Name: Artesia, AZ 7.5'
Canal Length: Presently studied portion is 4.8 kilometers or 3 miles.
Canal Slope: 0.55 percent before mesa falloffs.
Nominal Size: 1 meter wide by 30 CM deep
Land Ownership: Mostly Arizona State Lands, possibly some private lands
Access: Quite difficult; foot or small 4WD.
Field Verified: Assumed 50 percent
Hanging Features Minor hanging portion where canal leaves wash.
Study Confidence: Moderately high.

Locations of interest:

- N 32 41.090' W 109 45.712' Presumed takein point at or near Smith’s Dam
- N 32 41.036' W 109 45.633' Mildly hanging portion leaving canyon bottom
- N 32 40.954' W 109 45.519' Diversion to modern cattle tank.
- N 32 40.949' W 109 45.226' Continuance of main canal route
- N 32 40.957' W 109 44.718' Continuance of main canal route
- N 32 41.104' W 109 44.373' Continuance of main canal route
- N 32 41.112' W 109 44.102' Approaching southern mesa dropoff
- N 32 41.237' W 109 43.893' More northern branch of canal
- N 32 41.347' W 109 43.250' Typical parasitic vegetation mesa dropoff
- N 32 41.401' W 109 43.229' Typical parasitic vegetation mesa dropoff

Significant Features: Southernmost of the proven canal systems
Numerous branches leading to modern cattle tanks.
Significant off mesa drops.
Parasitic vegetation quite viewable.
Off mesa uses yet to be defined.

Images: None at present

Present work that needs done on the Ledford Canal...
- Separate original routes from pioneer and modern rebuilds.
- Determine what water use was made off mesa.
- Restudy and videotape entire canal system
- Evaluate which branches are in fact prehistoric
- Survey the system further.
- Study possible field use areas to the South.
- Review canal route switching arrangements.

09/12