

**Warren Unit No. 22**  
**Cased Hole Logging Procedure**

**WELL INFORMATION:**

Current Status: TSI Injection Well  
 Last Action to Well: 3/94 Repaired communication. Circulated packer fluid and tested casing to 500 PSIG. RDMO. Left 289 jts of 2 3/8" IPC tubing & Baker LOC-SET packer in the well.

Location: 2090' FSL & 2090' FWL, Sec. 29, T20S, R38E, Lea County, NM

TD: 9207'  
 PBTD: 9161'  
 GLE: 3,515'  
 KBE: 3,531' (16' AGL)

Top of Cement: 5450' (5 1/2" Csg.)

Pipe	Depth (ft)	Drift ID (inches)	Collapse 100% (psi)	Burst 100% (psi)	Capacity (bbl/ft)
10 3/4", 32.75 #/ft, H-40,	256				
7 5/8", 24 & 26 #/ft. H-40	3998	6.844	2040	2750	.0479
5 1/2", 15.5 & 17 #/ft, J-55	9195'	4.767 (17#/ft)	4040 (15.5 #/ft)	4810 (15.5 #/ft)	.0238

**Perforations:**

Orig. McKee Perfs. 8965', 78, 98, 9025, 9035, 49, 71, 108, 123  
 Add Perfs 10/89 8954' – 60, 8963 – 73, 8985 – 9020, 9024 – 34, 38 – 48, 52 – 77 ( 2 SPF)

**Est. Reservoir Press.** Less than a 0.433 water gradient.

**Refer to the daily pre-job safety worksheets.**

1. Insure deadman anchors have been properly tested prior to RU. Refer to PJSA's for safety considerations.
2. Check shut-in tubing pressure. (The well is not expected to have any tubing pressure) If there is pressure on the well flow it back into a test tank until the well dies. Load the tubing with brine water if required.
3. RU pulling unit. Install 3000 PSIG BOP stack and test to 3000 PSIG as per SOP. Release LOC-SET packer. POOH laying down 289 jts of 2 3/8" IPC tubing