

**Cactus Queen Unit #5
Unit C of 34-12S-31E
Chaves County, NM**

- July 6, 1992 Flowed well back.
- July 7, 1992 TOH with tubing and packer. Found hole in packer. TIH with 4-3/4" bit to check for fill and clean out to TD. Tagged at approximately 2968'. Shut down. Moved in reverse unit.
- July 8, 1992 Began to drill with reverse circulation. Began to get metal thin fragments in returns. Made approximately 1-1/2' and started to get cement and formation in returns. TOH with bit. TIH with bit and four drill collars to approximately 2970'. Returns had metal cement and formation. TOH with bit and collars. Bit worn dull. TIH with 5' mule shoe joint to 3085'. Circulated hole clean. Pulled back above 2968'. Shut down.
- July 9, 1992 TIH to 3085 to check for fill. No fill. TOH with mule shoe joint. TIH with 4-3/4" string mill. Could not make any progress. TOH with string mill. Shut down.
- July 10, 1992 TIH with 3-7/8" string mill to 3085'. TOH with string mill. Rig up Schlumberger and ran casing inspection log.
- July 13, 1992 TIH with tension packer on tubing. Set packer at 2679'. Ran pump in tracer log. TOH with tubing and packer. TIH with wireline CIBP and set at 2984.
- July 14, 1992 TIH with RTTS and set at 2585. Squeezed with 100 sacks of class "C" cement plus 2% CaCl in five stages. TOH with RTTS and tubing. Shut in casing .
- July 15, 1992 Bled approximately 15 barrels back from well. TIH with 4-3/4" bit and tagged cement 12' above CIBP. Drilled out to top of CIBP. TOH with bit. TIH with RTTS. Set at 2585'. Squeezed with 100 sacks of class "C" cement plus 6% gel and 3% CaCl plus 100 sacks of class "C" plus 3% CaCl. Displaced cement and shut in tubing. ISIP 900#. 15 min shut in 810#.
- July 16, 1992 Tubing had 75#. Pressure bled off quickly. TOH with packer. TIH with Bit and four collars. Tagged cement at 2869'. Cleaned out to CIBP. TOH with bit and collars at 2 BPM and 500#.
- July 17, 1992 TIH with RTTS. Set at 2585'. Cemented with 200 sacks of class "C" plus 3% CaCl. TOH with RTTS and tubing. Shut well in.
- July 20, 1992 TIH with bit and drilled out to top of CIBP. TOH with bit . TIH with packer. Pumped 2 BPM at 450#. Toh with packer. TIH with bit and drilled out CIBP. Cleaned out to 3082'. TOH with packer and tubing.
- July 21, 1992 TIH with tension packer and plastic coated tubing. Circulated packer fluid from 2921'. Set packer at 2921'. Tested annulus. Held OK
- July 27, 1992 Resume injection temporarily with Jerry Sexton's approval. Will run tracer survey soon to determine if injection water is going in zone.

Work witnessed by Charlie Perrin (NMOCD Hobbs)