

Intermediate

**Dark Canyon #1
January 1997 Plug Back to the Strawn
Morning Report**

- 1/23 Thurs** Move in Lucky Services rig. Unable to rig up because of wind. Shut down.
- 1/24 Fri** Rigged up. Had to work pump loose. Unseated pump. Laid down all rods. 1 - 1" x 22' polish rod, 1 - 1 1/4" x 14' sub, 173 - 7/8" rods, and 260 - 3/4" rods. Nipple up BOP. Unset anchor. Pulled out of hole with a total of 262 - 2 7/8" jts. Shut in for night.
- 1/25 Sat** Open well. Laid down 66 - 2 7/8" jts of tubing. Ran in hole with kill string, 10 jts. Shut down for night.
- 1/27 Mon** Open well. Pulled kill string. Rig up Wedge Wireline. Set CIBP @ 10050; Found fluid level at 8675'; Ran GR-CCL-CBL; Excellent bonding without pressure; Top of cement 8823'; Dump bailed 35' cement on top of bridge plug; Attempted to load casing; Would not test; Will allow gas to work out over night and test again in the morning; Shut down for night.
- 1/28 Tues** 200 psi SITP; Loaded well with 2-3 bbl brine; Attempted to load casing to 1000 psi; Bled to 200 psi in 10 min.; Worked on leaks around the wellhead; Isolated the kill truck after loading; Still would not test; Rigged up lubricator; Perforated 8510-8540 w/ 4 SPF, phased, 120 total; No pressure at the surface; Attempted to run in the hole with packer; Packer failed to stay in running mode; Shut down for new packer.

Discussion - Casing integrity: The well is suspected of having a slight casing leak above the top of cement. The CIBP is not suspected of leaking because of the high differential pressure that was maintained on the plug over night. If the plug leaked, more than 2-3 barrels would have been required to load the hole. There is also a possibility that the casing is leaking below the perforations and above the plug. However, this possibility was discounted because of the good bond log. More than likely, the problem can be isolated with the packer that will be run in the well. Although there are several costly options to explore this problem further, no options are recommended until the zone proves to be productive.

Discussion - Packer Failure: The packer that failed was in this well previously and was serviced. The service will be reviewed with the vendor. However, there are

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