

Well Repair Procedure Florance P #3

Objectives:

1. Clean out fill, cavitate (minor), and stabilize open hole section
2. Run and perf liner; Re-run TBG
3. Return well to production

1. MIRURT ND tree, rig up BOP's w/cavitation capability. Test BOE. TOH with 2.875" tubing- visually inspect TBG and report any sign of corrosion.
Note: 2 7/8" TSA 2791' w/blind mule shoe, 4' perf'd sub, 1 jt TBG, and 2.25" F-nipple on bottom (6.5# J55 FBN)
2. Pick up 4.750" drill collars and 3.500" drill pipe with 6.250" bit and clean out fill to total depth (2,832') using air and foam. Cavitate O.H. section for 24 hrs. Stabilize hole as quickly as possible to allow running liner (after reaching TD, trip out to casing shoe and wait for 4-6 hours and check to determine amount of fill and how difficult it is to clean up.
3. Run a blank 5.500" flush joint liner (Hydril 511) from TD back to approx. 2,625' (approx. 50' overlap). Install a tri-cone bit on bottom with a float immediately above bit and a TIW JGS 5 1/2"x 7" liner hanger. Strip in hole and drill to bottom with power swivel if necessary. Hang liner, lay down drill pipe.
4. RU SOFS, Run GR-CCL and tie into open hole mudlog to identify correct coal seam depths; TIH and Perforate (w/ 3 1/8"CSG gun) as follows:

<u>COAL SEAMS</u>	<u>PERFORATIONS</u>			
Ignacio	2,725 to 2,743'	2,725 to 2,743'	4 jspf	72 holes
	2,752 to 2,758'	2,752 to 2,758'	4 jspf	24 holes
Cottonwood	2,771 to 2,790'	2,771 to 2,790'	4 jspf	76 holes
Cahn	2,802 to 2,820'	2,802 to 2,820'	4 jspf	72 holes
Total				214 Holes

6. Run 2 7/8" TBG as follows:
 - 1) Mule shoe
 - 2) One Jt 2 3/8" TBG
 - 3) 2.250" F-nipple with retr. plug in place
 - 4) Balance of 2 7/8" TBG
7. Land bottom of TBG at approximately 2790'. Pull retrievable plug.
8. RDMORT. Turn well over to production.