

REPORT OF REMEDIAL OPERATIONS FRONTIER NO. 2-C (GD) - 5-27-11
El Paso Natural Gas Products Company

5-1-61 Attempted to blow down Gallup tubing - well would not blow down. Pulled rods and pump from Gallup tubing. Shut in Gallup tubing at 5:00 P.M. - Dakota side was flowing. Dakota was producing 278 MCFD.

5-2-61 SIG Tbg. 450 psig
 SIG Csg. 560 psig
 FD Tbg. 560 psig
 Shut in Dakota tubing at 8:15 A.M.
 Dakota was producing 520 MCFD

5-3-61 SIG Tbg. 680 psig
 SIG Csg. 620 psig
 SID Tbg. 680 psig

Set Otis Type "W" Choke in Dakota string at 6430' to shut off pressure below choke. Started blowing Gallup tubing down through separator at 1:15 P.M.

3:15 P.M.	SID Tbg.	360
	FG Tbg.	175
	FG Csg.	360
4:15 P.M.	SID Tbg.	0
	FG Tbg.	25
	FG Csg.	25

Set blank choke above Otis Type "W" Choke in Dakota string at 6422' to facilitate pressuring up on Dakota tubing. The above results indicated a leak in Dakota tubing string.

5-4-61 Moved workover rig on well (J. P. "Bum" Gibbins Rig No. 202). Killed Gallup section with oil. Installed BOP and pulled Gallup tubing.

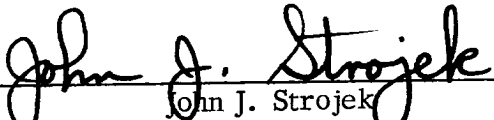
5-5-61 Unscrewed Dakota tubing from Model "D" production packer. Filled Dakota tubing with water--Tubing stayed full--pressured up to 1000 psi on Dakota tubing--pressures held O.K. Pulled Dakota tubing.

5-6-61 Re-ran Dakota tubing string open ended and reverse circulated with oil to top of packer. Pulled circulating string. Started to re-run Dakota tubing with an Otis Type "S" seating nipple and Type "PF" Choke. Pressured up to 2500 psig on tubing string every 40 joints. Found tubing collar leak in 9th joint from bottom of tubing string. Replaced joint and collar. Landed Dakota tubing string in Model "D" production packer. Pressured up on tubing string to 2500 psig--Held O.K.

5-7-61 Re-ran Gallup tubing string and flanged up well head. Retrieved Otis Type "PF" Choke and swabbed in Dakota Section. Released rig.

5-9-61 SIG Tbg. 0 psig
 SIG Csg. 0 psig
 SID Tbg. 1140 psig

5-10-61 Re-ran pump and rods in Gallup tubing and set well to pumping.


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