

Known Events – Known Features Summary

Date	Cause	Location		Type
		KP	MP	
8/10/1999	Dent	3423.88	2127.5	Leak
The release was identified by third party aerial patrol. A dent due to a rock at approximately the 6:00 o'clock position was found leaking. A through wall "T" shaped crack spanned the bottom of the apex of the large dent as well as its sides. The dent depth was measured to be approximately 25 mm. No external metal loss was observed.				
2/25/1997	Dent	3458.98	2149.31	Leak
During an integrity excavation to assess a dent, the pipe was found resting on a rock at the failure location. The leak was a result of a through wall crack found within a 4.3% dent at the 5:30 o'clock position.				
11/28/1996	Dent	3471.69	2157.21	Leak
The pipe was resting on a sharp rock, which created a 24 mm dent with a pinhole leak in the pipe. The dent was located at the 6:00 position. This was not an in-service leak, as the line was filled with low pressurized nitrogen at the time.				
3/30/1988	Dent	3578.12	2223.34	Leak
This failure was caused by a large pointed rock, which had created a dent 1-1/8" deep (3% O.D.), 12" long, and 8" wide. A hairline crack at the bottom of pipe dent ran transverse to pipeline axis. The dent caused cracking and excessive stress in the pipe wall.				
4/13/1979	Dent	3466.37	2153.9	Leak
This was a hair-line crack leak due to two rock penetrations. The 1978 TDW survey reported a 3/4" (2.5% O.D.) dent. There was no ovality at the dent.				
6/14/1978	Mechanical Damage	3472.35	2157.62	Leak
The 1978 TDW survey reported a 0.46" (1.5% O.D.) pipe dent with no ovality. The penetration had a 3/8" crack in the apex of a larger dent. (Note: Cause corrected from Former third party damage to Dent)				