

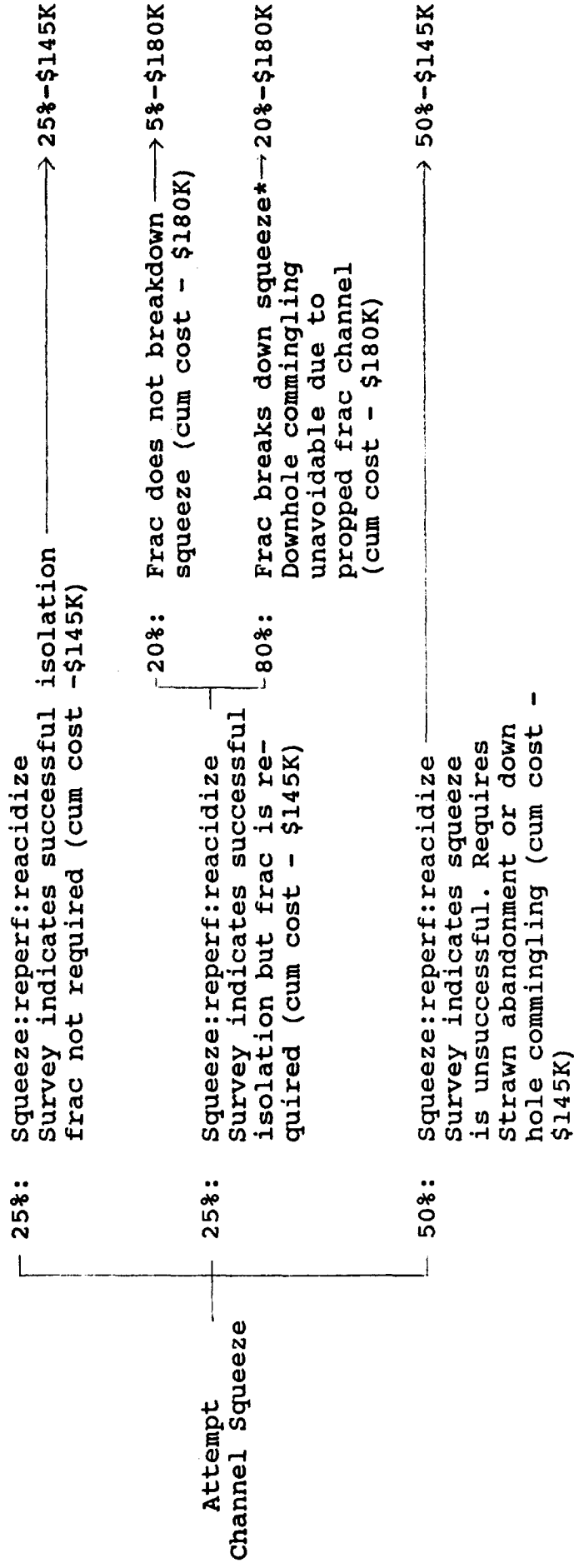
MARY FEDERAL #5
PRIMARY CEMENTING

Because of the difficulties with gas influx, a successful primary cement job was questionable. A Schlumberger cement bond log was run (attached) and indicates very poor cement bonding. Remedial squeeze cementing with the poor primary cement job will have a very poor chance of success.

EX-1

EXHIBIT NO. 5
DOCKET NO. 8858, 8842
HEARING DATE 3-19-86

RISKED COST ASSESSMENT
MARY FEDERAL #5
CHANNEL REPAIR



CONSOLIDATED RISK ASSESSMENT

Case	%	Cost K\$
Successful isolation of Strawn	30%	\$151K
Unsuccessful isolation of Strawn	70%	155K

* Note: There is a 20% chance of a forced downhole commingling situation because of a sand propped channel after frac job.