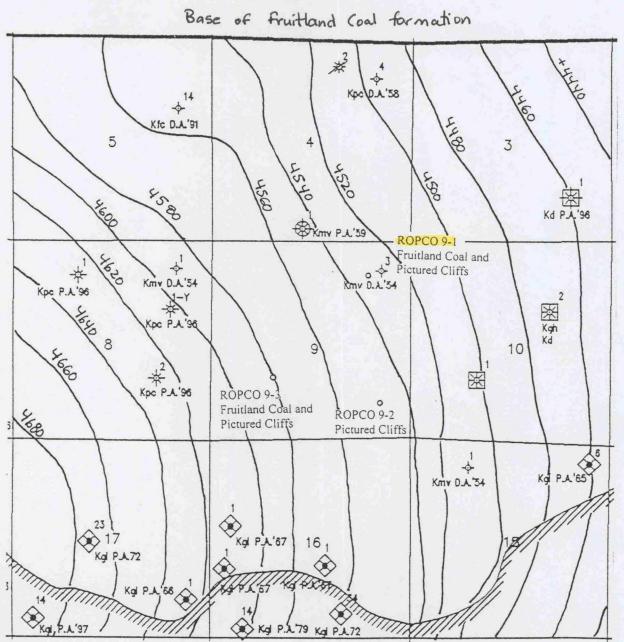
RICHARDSON OPERATING COMPANY

EXHIBIT 8 A

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Township 29 North, Range 14 West, NMPM San Juan County, New Mexico



	ROPCO 9-1	ROPCO 9-2	ROPCO 9-3
Estimated TD	1050'	980'	940'
Estimated Coal Thickness	14'	12'	16'

CONTOUR MAP