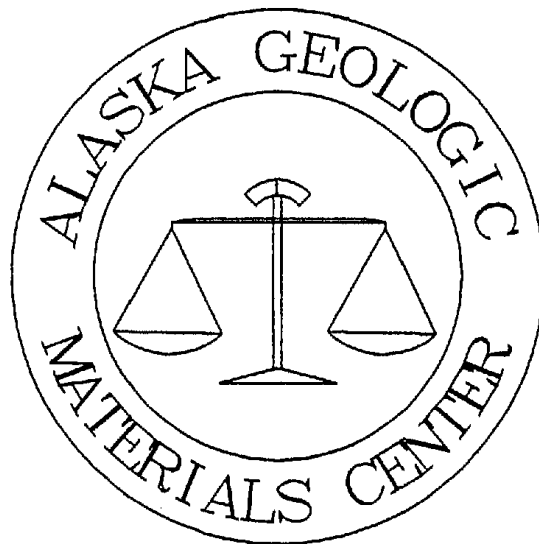


XRD and rock-eval analyses of samples from Arctic Alaska, consisting of:

Husky NPR Operations Inc. (U. S. Geological Survey) North Kalikpik Test Well No. 1 core samples (6,992.5' - 7,394.0'), and

International Conference on Arctic Margins 29 August - 1 September 1992 field trip about geology of the Brooks Range along the Dalton Highway samples.



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XRD analyses are quantified by a semiquantitative methode based on peakheight measurements.
 None corrections used.

Kaliphik #1

XRD

Alaskal

Sample	14A	12A	10A	7A Qz	K-fsp	Plag	Calc	Dol	Sid	Pyr	
Ka 6692	2.00	2.80	4.50	10.40	30.20	0.60	24.40	0.00	10.10	4.10	11.00
Ka 7012	1.20	2.20	4.40	7.30	24.40	0.10	20.10	5.60	15.40	0.00	19.30
Barr/Apt	1.00	2.50	4.40	8.80	27.30	0.40	22.30	2.80	12.70	2.10	15.10
Ka 7062	0.20	4.20	4.50	12.50	25.60	2.10	11.60	0.00	2.10	0.00	37.50
Ka 7124	0.20	3.00	5.10	9.00	44.20	1.80	12.90	0.00	7.50	12.80	3.50
Hauter	0.20	3.60	4.80	10.80	34.90	2.00	12.30	0.00	4.80	6.40	20.50
Ka 7137	0.00	0.60	2.70	2.60	57.70	2.30	6.60	0.00	8.90	0.00	18.60
Ka 7178	0.00	0.50	2.50	4.40	72.80	0.10	7.40	0.00	9.30	0.70	2.20
Ka 7206	0.00	2.40	2.90	3.70	69.30	0.50	7.50	3.70	7.20	2.00	0.90
Bath.Call	0.00	1.20	2.70	3.60	66.60	1.00	7.20	1.20	8.50	0.90	7.20
Ka 7394	0.00	2.40	2.60	3.60	61.50	1.00	7.80	2.80	9.30	2.50	6.60
E.Bath.	0.00	2.40	2.60	3.60	61.50	1.00	7.80	2.80	9.30	2.50	6.60
Dal 2A	3.30	0.00	4.40	18.00	22.50	0.00	33.20	6.00	6.20	6.40	0.00
Dal 2B	2.90	0.00	2.50	14.80	18.80	0.00	39.80	14.50	6.60	0.00	0.00
Dal 11B	0.00	0.20	4.50	11.10	53.90	0.00	0.00	1.80	0.00	0.00	28.40
Dal 14	1.70	0.00	2.30	11.40	33.40	0.00	30.60	0.00	20.50	0.00	0.00
Dal 15	0.00	0.00	0.60	1.00	98.40	0.00	0.00	0.00	0.00	0.00	0.00

Sample	TC%	TOC%	Tmax	HI	OI
Ka 6692	4.04	3.77	447.00	157.00	11.00
Ka 7012	4.79	4.00	445.00	166.00	11.00
Barr/Apt	4.42	3.89	446.00	161.50	11.00
Ka 7062	2.07	1.83	449.00	32.00	10.00
Ka 7124	2.76	2.36	454.00	40.00	12.00
Hauter.	2.42	2.10	452.00	36.00	11.00
Ka 7137	1.23	1.09	447.00	88.00	26.00
Ka 7178	1.70	1.48	450.00	91.00	20.00
Ka 7206	1.28	0.81	450.00	113.00	33.00
Bath/Call	1.40	1.13	449.00	97.33	26.33
Ka 7394	1.47	1.29	453.00	89.00	18.00
Sutton	1.47	1.29	453.00	89.00	18.00
Dal 2A	0.76	0.58	462.00	0.00*	48.00
Dal 2B	0.55	0.31	300.00*	0.00*	90.00
Dal 11B	n.d.	n.d.	227.00*		
Dal 14	1.53	0.74	369.00*	2.00	43.00
Dal 15	0.06	0.06	374.00*	266.00	1216.00

} Rock Eval

Rock Eval analyses according to Tossot & Welte (1984).

*NB. Tmax and HI marked *
 can not be used.*