65-40
OPEN FILE REPORT, 1965

Table 10.-Analyses, in percent, for uranium in lignite, carbonaceous shale and associated rocks from the Little Missouri River escarpment area, Slope, Stark, and Billings Counties, N. Dak.

[Sample No. underlined indicates spectrographic analysis is given on table 28; asterisk (*) indicates stratigraphic position of sample is shown graphically on plate 8 in U.S. Geol. Survey Prof. Paper 463, 1965. Analysts: C. G. Angelo, R. P. Cox, and H. H. Lipp]

Sample No.	Bed description	Ash	Equivalent Uranium	Uranium in sample
	T. 136 N., R. 100 W.			
	NW¼SW¼ sec. 5			
	1.4-ft lignite:			
*248456	Upper 0.7 ft----------	27.0	0.021	0.035
* 457	Basal 0.7 ft----------	21.9	.024	.058
	T. 137 N., R. 100 W.			
	SW¼SW¼ sec. 2			
*248434	1-ft lignite----------	46.4	0.072	0.12
	NW¼ sec. 3			
* 435	0.8-ft lignite----------	46.9	.042	.075
	C sec. 5			
F38212	1.5-ft lignite----------	----	.06	.10
	NE¼ sec. 6			
248440	1-ft lignite----------	16.1	.19	.37
	NW¼SW¼ sec. 11			
	2.2-ft bed:			
*248439	Upper 1 ft is carbonaceous clay.	87.7	.055	.042
* 438	Basal 1.2 ft is lignite----	50.3	.14	.21
	NE¼SW¼ sec. 34			
*248460	0.5-ft lignite----------	48.5	.020	.031
* 461	1.5-ft lignite----------	14.2	.018	.037
	1.6-ft lignite:			
* 462	Upper 0.8 ft----------	18.3	.080	.187
* 463	Basal 0.8 ft----------	24.5	.006	.025
	SE¼SW¼ sec. 34			
	1-ft lignite:			
*248458	Upper 0.5 ft----------	22.8	.021	.030
* 459	Basal 0.5 ft----------	45.3	.012	.019
145282	1-ft carbonaceous shale------	13.0	.68	1.1
283	1-ft lignite----------	9.0	.016	.019
284	1.3-ft lignite----------	11.0	.032	.044
285	0.9-ft impure lignite--------	45.0	.015	.012
286	1.2-ft impure lignite--------	35.0	.014	.013
	NW¼SW¼ sec. 34			
	2.7-ft bed:			
230197	Upper 1 ft is lignite------	22.9	.082	.089
195	Next 0.7 ft is carbonaceous shale.	69.2	.009	.006
194	Basal 1 ft is lignite------	16.5	.007	.010
	T. 137 N., R. 101 W.			
	NW¼NE¼ sec. 14			
	2.7-ft lignite:			
*248468	Upper 0.9 ft----------	27.5	0.095	0.15
* 467	2d 0.9 ft from the top-----	24.6	.032	.17
* 466	Basal 0.9 ft----------	16.1	.057	.089

Sample No.	Bed description	Ash	Equivalent Uranium	Uranium in sample
	T. 137 N., R. 101 W.			
	SW¼SW¼ sec. 14			
*248465	1.3-ft lignite----------	43.2	0.023	0.021
	T. 137 N., R. 102 W.			
	SE¼SE¼ sec. 18			
	2.5-ft bed:			
*202331	Upper 0.8 ft is lignite---	30.7	0.020	0.034
	T. 138 N., R. 100 W.			
	SW¼SE¼ sec. 32			
*248436	0.6-ft lignite----------	16.4	0.063	0.13
	4-ft lignite:			
* 437	Upper 2.5 ft----------	18.1	.56	.51
	T. 140 N., R. 99 W.			
	SE¼SE¼ sec. 3			
	1.8-ft lignite:			
*248441	Upper 0.9 ft----------	26.6	0.042	0.10
* 442	Basal 0.9 ft----------	43.6	.032	.056
	SW¼ sec. 6			
438	0.5-ft lignite----------	50.3	.14	.21
	T. 140 N., R. 100 W.			
	NW¼NW¼ sec. 10			
*248445	0.7-ft carbonaceous shale---	78.3	0.084	0.085
	1.4-ft lignite:			
* 446	Upper 0.7 ft----------	25.8	.10	.19
* 447	Basal 0.7 ft----------	27.0	.066	.12
	T. 141 N., R. 99 W.			
	NW¼NW¼ sec. 7			
	1.2-ft carbonaceous shale:			
*248452	Upper 0.6 ft----------	92.3	0.40	0.70
* 453	Basal 0.6 ft----------	45.3	.36	.084
	T. 141 N., R. 100 W.			
	SW¼SW¼ sec. 13			
	2.4-ft lignite:			
*248449	Upper 0.8 ft----------	34.4	0.012	0.02
* 450	2d 0.8 ft from the top----	27.5	.010	.018
* 451	Basal 0.8 ft----------	25.2	.010	.015