

APPENDIX A:

Uranium Occurrences in the

Ekalaka 2<sup>o</sup> Quadrangle

compiled by

M. Roshardt

1979

## Appendix A--Uranium Occurrences in the Ekalaka Quadrangle

Compiled by M. Roshardt

1980

Occurrence no.	Name	Location	Host Rock Formation/member	Deposit class	Production <sup>1</sup>	Reference <sup>2</sup>
1	W. J. Knapp	S01 T01N R61E 45°52'38"N 104°04'31"W	Fort Union	241	a	PRR DEB-RRD-2087
2	G. B. Smith and and Associates	S14 T01N R60E 45°50'58"N 104°14'15"W	Hell Creek	241	a	PRR DED-PR-267(?)
3	Paul Figg Ranch	S11 T01N R59E 45°52'02"N 104°21'33"W	Fort Union	241	a	PRR DAO-P-2-3015
4	Paul Figg Ranch	S08 T01N R59E 45°51'41"N 104°24'45"W	Fort Union	241	a	PRR DAO-P-2-3014
5	Locality 12	S24 T01N R58E 45°50'06"N 104°27'35"W	Arikaree	210	a	Denson and Gill, 1965
6	Locality 11	S24 T01N R58E 45°49'33"N 104°27'54"W	Fort Union	210	a	Gill, 1959 (1960); Denson and Gill, 1965
7	Locality 9	S19 T01N R59E 45°49'20"N 104°26'30"W	Fort Union	210	a	Gill, 1959 (1960); Denson and Gill, 1965
8	Hope Claim	S25 T01N R58E S30 T01N R59E 45°48'45"N 104°26'51"W	Fort Union	210	a	Gill, 1959 (1960); Denson and Gill, 1965; PRR DEB-P-2-2706
9	Locality 7	S25 T01N R58E 45°48'21"N 104°27'06"W	Fort Union	210	a	Denson and Gill, 1965
10	Locality 5	S36 T01N R58E 45°48'11"N 104°27'23"W	Fort Union	210	a	Gill, 1959 (1960); Denson and Gill, 1965
11	Locality 4	S26 T01N R58E 45°48'17"N 104°28'07"W	Fort Union	210	a	Gill, 1959 (1960); Denson and Gill, 1965

See footnote at end of Appendix A, p. 5

## Appendix A - continued

Occurrence no.	Name	Location	Host Rock Formation/member	Deposit class	Production <sup>1</sup>	Reference <sup>2</sup>
12	W. H. Wilson	S23 T01N R56E 45°49'45"N 104°43'20"W	Arikaree	230	a	PRR DEB-RRD-2086
13	Unnamed	S15 T01S R57E 45°45'10"N 104°39'40"W	Fort Union	210	a	Denson and Gill, 1965
14	Oscar #1 Claim	S13 T01S R60E 45°44'55"N 104°15'25"W	Fort Union Ludlow Member	241	a	PRR DEB-P-2703
15	Unnamed Radioactivity Anomaly	S20 T02S R62E 45°44'15"N 104°05'30"W	Fort Union	241	a	Denson and Gill, 1965
16	Unnamed Radioactivity Anomaly	S04 T02S R61E 45°41'23"N 104°12'10"W	Arikaree	241	a	Denson and Gill, 1965
17	Ridgway 1-3 Claims	S12 T02S R60E 45°40'10"N 104°15'45"W	Arikaree	230	a	DEB-P-2-2702
18	Unnamed Radioactivity Anomaly	S17 T02S R61E 45°39'10"N 104°13'30"W	Fort Union or Hell Creek	241	a	Denson and Gill, 1965
19	Vada Dee 2	S20 T02S R61E 45°39'00"N 104°12'30"W	Hell Creek	241	a	PRR DEB-P-2-2641
20	Gloria 14-15 Claims	S20 T02S R61E 45°39'00"N 104°13'00"W	Hell Creek	241	a	PRR DEB-P-2-2640
21	Chuck O'Luck 1	S21 T02S R61E 45°38'58"N 104°12'07"W	White River	241	a	PFR DEB-P-2-2639
22	Dinosaur 1-4	S20 T02S R61E 45°39'05"N 104°13'33"W	Hell Creek	241	a	PRR DEB-P-2-2638
23	Rock 1-2 Claims	S29 T02S R61E 45°33'07"N 104°13'12"W	Hell Creek	241	a	PRR-DEB-P-2-1594; PRR-DEB-P-2-1592; Gill, 1954; Denson and Gill, 1965

See footnote at end of Appendix A, p. 5

## Appendix A - continued

Occurrence no.	Name	Location	Host Rock Formation/member	Deposit class	Production <sup>1</sup>	Reference <sup>2</sup>
24	Milo Kennedy Ranch	S25 T02S R60E 45°37'32"N 104°19'30"W	Hell Creek	210	a	PRR DEB-P-2-2709
25	Little Joe 1 Claim	S25 T02S R60E 45°37'30"N 104°15'30"W	Hell Creek	210	a	PRR DAO-P-2-3022
26	Sand Creek 1-6 Claims	S35 T02S R60E 45°36'31"N 104°16'45"W	Hell Creek	210	a	PRR DEB-P-2-2704
27	Lewis 1-5	S03S T02S R60E 45°36'25"N 104°16'50"W	Hell Creek	210	a	PRR DAO S-2-2707
28	Maverick 1-2 Claims	S36 T02S R60E 45°37'21"N 104°15'19"W	Hell Creek	210	a	PRR DEB-P-2-2695
29	Bill 2	S36 T02S R60E 45°36'30"N 104°16'45"W	Hell Creek	210	a	PRR DEB-P-2-2742
30	Speelman 2	S36 T02S R60E 45°37'21"N 104°15'24"W	Hell Creek	210	a	PRR DEB-P-2-2696
31	Unnamed Radioactivity Anomaly	S34 T02S R61E 45°37'13"N 104°10'34"W	Arikaree	241	a	Denson and Gill, 1965
32	Stormy Group	S25 T02S R61E S30 T02S R62E 45°37'40"N 104°08'00"W	Fort Union	241	a	PRR DAO-P-3001; PRR DAO-P-2-3024
33	Unnamed Radioactivity Anomaly	S09 T02S R62E 45°40'30"N 104°05'00"W	Fort Union	241	a	Denson and Gill, 1965
34	School Section	S16 T02S R62E 45°39'43"N 104°04'22"W	Fort Union	241	a	PRR DEB-P-2-2705
35	Unnamed Radioactivity Anomaly	S20 T02S R62E S21 T02S R62E 45°38'40"N 104°05'30"W	Fort Union	210	a	Denson and Gill, 1965

See footnote at end of Appendix A, p. 5

## Appendix A - continued

Occurrence no.	Name	Location	Host Rock Formation/member	Deposit class	Production <sup>1</sup>	Reference <sup>2</sup>
36	Unnamed Radioactivity Anomaly	S22 T02S R62E 45°38'45"N 104°03'00"W	Fort Union	241	a	Denson and Gill, 1965
37	Unnamed Radioactivity Anomaly	S29 T02S R62E 45°37'50"N 104°06'00"W	Fort Union	210	a	Denson and Gill, 1965
38	Unnamed Radioactivity Anomaly	S08 T03S R62E 45°35'30"N 104°06'07"W	Arikaree	241	a	Denson and Gill, 1965
39	Carl Brewer	S17 T03S R62E 45°34'15"N 104°05'25"W	Arikaree	230	a	PRR DER-PPD-2035
40	No-Named Claims (3&10) of F. L. Straibel and Associates	S15 T03S R62E S16 T03S R62E 45°35'00"N 104°04'00"W	Fort Union	210	a	PRR DEB-P-2-2741
41	Unnamed Radioactivity Anomaly	S21 T03S R62E 45°33'40"N 104°04'15"W	Fort Union	210	a	Denson and Gill, 1965
42	Unnamed Radioactivity Anomaly	S19 T03S R62E 45°33'45"N 104°07'40"W	Fort Union	241	a	Denson and Gill, 1965
43	Unnamed Radioactivity Anomaly	S18 T04S R62E 45°29'02"N 104°07'27"W	Hell Creek	210	a	This Report
44	Richardson Ranch	S13 T08S R55E 45°08'07"N 104°55'39"W	Fox Hills	241	a	PRR DAO-P-2-2799
45	Hammond Road Occurrence	S25 T08S R55E 45°06'24"N 104°55'40"W	Fox Hills	241	a	This Report
46	Unnamed Radioactivity Anomaly	S08 T04S R61E 45°29'58"N 104°13'07"W	Hell Creek	241	a	This Report
*47	Unnamed Radioactivity Anomaly	S32 T20N R107W 45°38'53"N 104°02'09"W	Fort Union	240	a	This Report
48	Table Butte	S32 T05S R60E 45°21'00"N 104°02'30"	Chadron	240	a	This Report

\*Harding County, South Dakota

See footnote at end of Appendix A, p. 5

## Appendix A - continued

---

**Footnotes:**

<sup>1</sup> Production category: a. 0-20,000 lb U<sub>3</sub>O<sub>8</sub>

<sup>2</sup> PRR U.S. Atomic Energy Comm. Preliminary Reconnaissance Report, Open-Filed