

DRILL HOLE INFORMATION

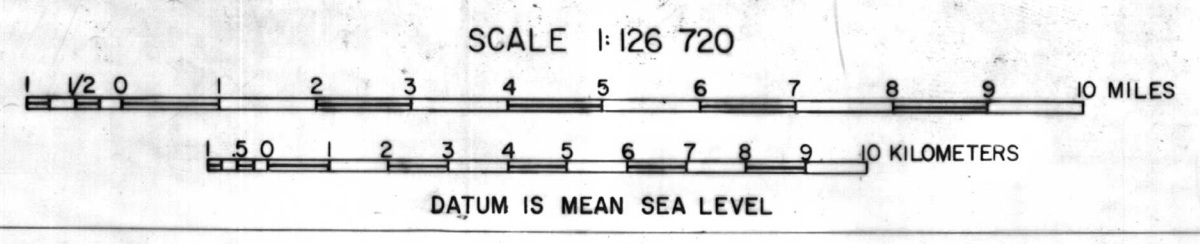
Identification number	21	22	23	24	25	26	27	28	29	30	31	32	33
Coal surface elevation	2076	2000	2185	1991	1962	2008	2038	1990	1942	1954	1968	1968	1940
Coal thickness	6 4	C 10	C 12	C 13	C 13	C 17	C 18	C 18	C 18	C 19	C 19	C 19	C 18
2020	1920	1990	1945	1980	1963	1934	1923	1921	1928	1900	1910	1953	1900
6 30	C 19	C 20	C 20	C 24	C 17	C 18	C 18	C 13	C 12	C 9	C 20	C 6	C 8
23	24	25	26	27	28	29	30	31	32	33	34	35	36
1985	1970	1920	2040	2064	2101	2100	2040	2043	2107	2124	2140	2220	2171
6 13	C 6	C 7	C 6	C 7	C 15	C 15	C 18	C 19	C 20	C 19	C 20	C 20	C 20
27	28	29	30	31	32	33	34	35	36	37	38	39	40
2180	2205	2167	2210	1989	2005	2011	1981	1960	1987	1992	1973	1987	1990
6 19	C 19	C 6	C 9	C 7	C 12	C 6	C 11	C 14	C 7	C 12	C 11	C 11	C 10

EXPLANATION

- BOUNDARY OF STUDY AREA
- COAL CROP LINE—Letters indicate name of bed
- OUTCROP MEASUREMENT—Letters indicate name of bed
- ABANDONED MINE
- STRIP MINE
- LIMIT OF DATA ON BEULAH-ZAP BED
- OTL WELL
- DRILL HOLE—Showing identification number
- STRUCTURE CONTOUR LINE—Contour interval 50 feet
- COAL ISOPACH LINE—Contour interval Varied
- LOCATION OF MEASURED SECTION

All measurements in feet (to convert to meters, multiply by 0.3048)
 H-HT Butte bed, BZ-Beulah-Zap bed, HAZ-Hazen bed, SCH-Schoolhouse bed

**STRUCTURE CONTOUR AND COAL ISOPACH MAP OF BEULAH-ZAP BED
KNIFE RIVER AREA
DUNN, McLEAN, MERCER AND OLIVER COUNTIES, NORTH DAKOTA**



DRILL HOLE INFORMATION (CONTINUED)

Identification number	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126
Coal surface elevation	2009	1999	1982	1975	1970	1980	1940	1940	1970	1940	2000	2050	2144	2173	2090
Coal thickness	C 11	C 15	C 19	C 19	C 20	C 24	C 7	C 5	C 8	C 8	C 8	C 8	C 8	C 8	C 8
132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147
2140	2035	2140	2173	2199	2180	2167	2185	2090	2244	2200	1998	1960	1948	1948	1940
6 17	C 18	C 18	C 8	C 18	C 16	C 16	C 9	C 17	C 12	C 7	C 10	C 20	C 18	C 18	C 18
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166
1960	1940	1990	1940	1940	1941	1900	1990	1900	2075	2040	2090	2180	2148	2150	2150
C 22	C 27	C 9	C 18	C 18	C 18	C 7	C 8	C 8	C 8	C 8	C 8	C 8	C 8	C 8	C 8
167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182
2160	2146	2145	2142	2115	2100	2190	2127	2181	2170	2190	2125	2200			
C 9	C 22	C 7	C 8	C 12	C 8	C 22	C 8	C 8	C 8	C 8	C 8	C 8			

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