

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

GEOFYSICAL LOGS OF SEVENTEEN HOLES DRILLED IN 1976 IN THE  
YAMPA COAL FIELD, NORTHWESTERN COLORADO

By

Michael E. Brownfield

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OPEN-FILE REPORT

This report has not been edited  
for conformity with Geological  
Survey editorial standards or  
stratigraphic nomenclature.

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Introduction

Under Contract No. 14-08-0001-15097, awarded by the U.S. Geological Survey, the Becker Drilling Company drilled and geophysically logged 17 drill holes in the Yampa coal field in Moffat and Routt Counties, Colorado (figures 1 and 2). The purpose of the project was to obtain information on the thickness of coal beds in certain parts of the Yampa coal field. The drill-hole locations and maximum depths were selected by the U.S. Geological Survey; appropriate permission for access was obtained, and post-drilling reclamation met U.S. Bureau of Land Management specifications. Geophysical logs were made for all holes.

Drill-hole locations, elevations, and depths are summarized in table 1, page 4, of this report.

R. 93 W.

R. 92 W.

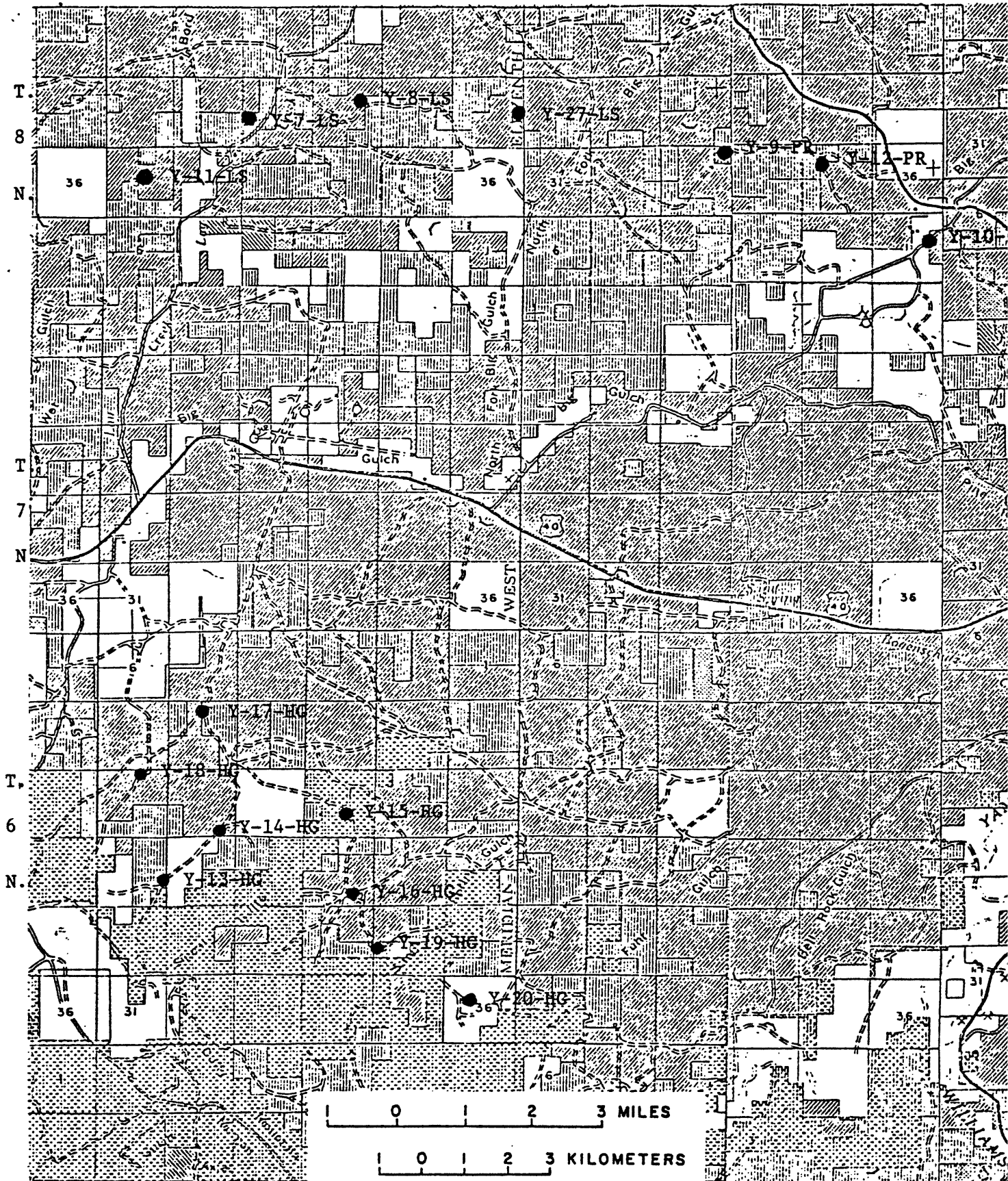


Figure 1. Drill-hole location map.

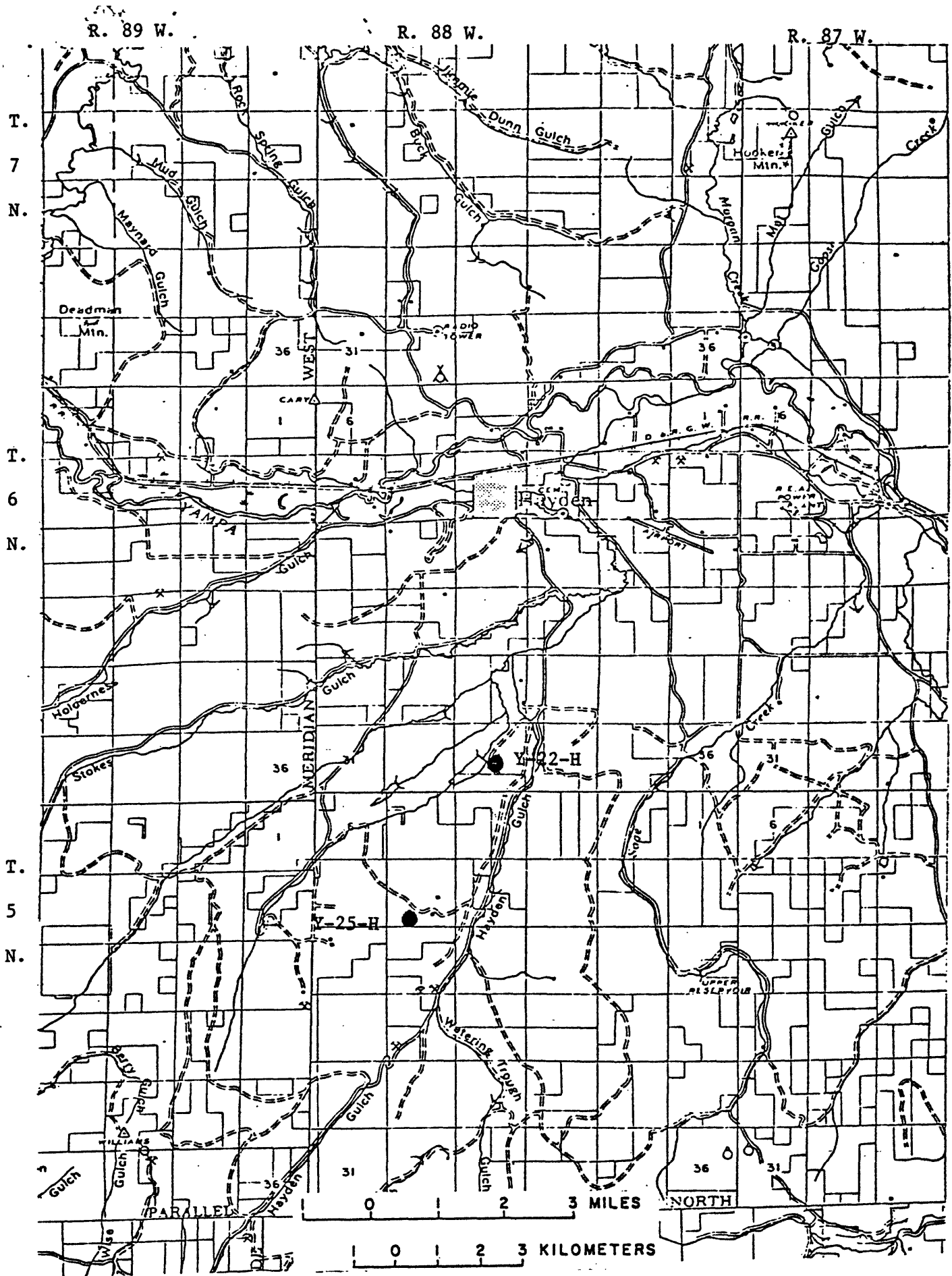


Figure 2.--Drill-hole location map.

Table 1.--Drill-hole locations, elevations, and drilling and logging depths

(All depths stated herein are in feet; to convert feet to meters, multiply by 0.3048.)

<u>Hole no.</u>	<u>Location</u>	<u>Surface elevation</u>	<u>Total depth drilled</u>	<u>Depth logged</u>
Y-7-LS	NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 28, T. 8 N., R. 93 W.	6,690	660	642
Y-8-LS	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 8 N., R. 93 W.	6,730	780	768
Y-9-PR	NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 8 N., R. 92 W.	7,060	675	675
Y-10-PR	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 7 N., R. 92 W.	6,700	525	273
Y-11-LS	SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 8 N., R. 93 W.	6,850	675	675
Y-12-PR	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 8 N., R. 92 W.	6,980	858	815
Y-13-HG	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 6 N., R. 93 W.	6,575	496	496
Y-14-HG	SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 6 N., R. 93 W.	6,640	960	938
Y-15-HG	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 6 N., R. 93 W.	6,120	800	800
Y-16-HG	SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 6 N., R. 93 W.	6,680	1,000	1,000
Y-17-HG	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 8, T. 6 N., R. 93 W.	6,640	950	950
Y-18-HG	NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, T. 6 N., R. 93 W.	6,565	1,202	1,200
Y-19-HG	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 6 N., R. 93 W.	6,710	1,000	997
Y-20-HG	SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 6 N., R. 93 W.	6,620	1,003	1,000
Y-22-H	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 6 N., R. 88 W.	6,480	540	537
Y-25-H	SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 6 N., R. 88 W.	6,800	620	619
Y-27-LS	NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T. 8 N., R. 93 W.	7,050	600	572