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GEOLOGIC AND STRUCTURE MAP OF THE MAUDLIN GULCH, TEMPLE CANYON AND DANFORTH HILLS OIL FIELDS AND VICINITY, MOFFAT COUNTY, COLORADO

59-58

By
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SCALE 1:31,680

1 0 1 2 3 Miles

1958

Base compiled from author's field sheet, land plats of the Bureau of Land Management and aerial photographs

Geology by G.H. Horn, assisted by Layton Conley. Surveyed in 1956. Contact of Browns Park formation taken partially from Survey map by M.L. Bergin

COLUMNAR SECTION

System	Series	Group	Formation and Member	Symbol
TERTIARY	Miocene or Early Pliocene		Browns Park formation 0-300+	Tbp
			ANGULAR UNCONFORMITY	
	Eocene		Green River formation (undivided) 1200'±	Tgr
			Wasatch formation 2400'	Tw
			UNCONFORMITY	
CRETACEOUS	Upper Cretaceous	Mesaverde	Williams Fork formation 4200'	Kwf
			Trout Creek sandstone member	
			Iles formation 1300'	Ki
			Morapos sandstone member	
			Mancos shale 5700'	Km
	Lower Cretaceous		Frontier sandstone member	
			Dakota sandstone 120'-160'	Kd
JURASSIC			Morrison formation 410'-470'	Jm
			Curtis formation 50'	Jc
			Entrada sandstone 340'-400'	Je
TRIASSIC	Upper Triassic		Chinle formation 275'	Rc
			Shinarump conglomerate 55'	Rs
	Lower Triassic		Moenkopi formation 450'	Rm
PENNSYLVANIAN	PERMIAN?		Red shale, limestone and gypsum sequence 180'	P
			Weber sandstone 440'	Pw
			Morgan formation 1300'	Pm
CAMBRIAN-MISSISSIPPIAN			Madison limestone 450'	Mm
			Sawatch quartzite	€

Oil producing zones

VERTICAL SCALE 1000 FEET 200 0 500

SECTION ALONG LINE A-A'

DANFORTH HILLS ANTICLINE
Well No. 1 Well No. 3
Sec. 32, T5N, R.95W

GRAY HILLS · COLLOM SYNCLINE · AXIAL BASIN ANTICLINE

EXPLANATION

EXPOSED ROCKS

- Tbp Browns Park formation
- Tgr Green River formation
- Tw Wasatch formation
- Kwf Williams Fork formation
- Ki Iles formation
- Km Mancos shale
- Kd Dakota sandstone

(Miocene or Pliocene; Eocene; Upper Cretaceous; Lower Cretaceous; CRETACEOUS; TERTIARY)

WELL SYMBOLS

- Oil well — Letters beside oil well are columnar section symbol for producing formation
- Dry hole — Letters beside dry hole are columnar section symbol for oldest formation reached

Well numbers indicate operators designation
Well status as of Jan. 1, 1958

STRUCTURAL SYMBOLS

- Structure contours — Drawn on top of the Dakota sandstone; dashed where inferred. Contour interval 100 feet (dotted line), 200 feet (light line) and 1000 feet (heavy line); datum is mean sea level.
- Strike and dip of beds
- Axis of anticline
- Axis of syncline
- Surface fault — Dashed where inferred; U, upthrown side; D, downthrown side

MINE SYMBOLS

- Abandoned coal mine
- Prospect
- BM 6761 — Benchmark. Number is altitude in feet above mean sea level
- Land corner recovered

LITHOLOGIC SYMBOLS

- Conglomerate
- Calcareous shale
- Sandstone
- Limestone
- Thin-bedded shaly sandstone or sandy shale
- Dolomite
- Shale
- Gypsum
- Coal