AGE Millions of years before present	ERA	PERIOD	ЕРОСН	FORMATION	MEMBER	MAX. THICK (m)		BASIC LITHOLOGY
	CENOZOIC	QUATER- NARY	RECENT					TOP SOIL AND DUNE SANDS.
			PLEISTO- CENE	GLACIAL DRIFT		140		CLAY, SAND, GRAVEL, BOULDERS AND PEAT.
50		TERTIARY	PLIOCENE MIOCENE OLIGOCENE EOCENE					
65			PALEO- CENE	TURTLE MOUNTAIN	PEACE GARDEN GOODLANDS	120		SHALE, CLAY, SAND, LIGNITE BEDS. LOCATED ONLY IN TURTLE MOUNTAIN.
。		C R E T A C E O U S	UPPER	BOISSEVAIN		30		SAND AND SANDSTONE, GREENISH-GREY. LOCATED ONLY IN TURTLE MOUNTAIN.
				PIERRE SHALE	COULTER ODANAH MILLWOOD PEMBINA GAMMON FERRUGINOUS	340		SHALES, GREY, NON-CALCAREOUS, LOCAL IRONSTONE, BENTONITE NEAR BASE, GAS SHOW. SHALE, DARK GREY, CALCAREOUS, NON-CALCAREOUS, BENTONITIC BANDS.
				CARLILE	BOYNE MORDEN	75 55	•	SHALE, GREY SPECKLED, CALCAREOUS, BENTONITIC, SLIGHTLY PETROLIFEROUS. SHALE, DARK GREY, NON-CALCAREOUS, RARE IRONSTONE CONCRETIONS, LOCAL SAND AND SILT.
400				FAVEL	ASSINIBOINE KELD	40	•	SHALE, GREY WITH HEAVY CALCAREOUS SPECKS, LIMESTONE BANDS AND BENTONITE.
100	MESOZOIC		LOWER	ASHVILLE	BELLE FOURCHE WESTGATE NEWCASTLE (ASHVILLE) SKULL CREEK	115	•	SHALE, DARK GREY, NON-CALCAREOUS, FINE-GRAINED QUARTZ SANDSTONE OR SAND "ZONE".
			CRETACEOUS	SWAN RIVER	ONUL ONLLIN	75	•	SANDSTONE AND SAND, FINE-GRAINED WITH SILTS AND GREY, NON-CALCAREOUS CLAYS, PYRITIC, GLAUCONITIC.
150		JURASSIC	UPPER	WASKADA		200		BANDED, GREEN BENTONITIC SHALE AND CALCAREOUS, GLAUCONITIC SANDSTONE.
			JURASSIC	MELITA	UPPER LOWER		*	BANDS OF SANDY LIMESTONE, VARI-COLOURED SHALE AND SANDSTONE. OIL PRODUCING
			MIDDLE JURASSIC	RESTON		45		LIMESTONE, BUFF AND SHALES, GREY.
				AMARANTH	UPPER: EVAPORITE	45		ANHYDRITE AND/OR GYPSUM, WHITE AND BANDED DOLOMITE AND SHALE.
200					LOWER: RED BEDS	40	*	SHALE, RED TO SILTSTONE, DOLOMITIC. OIL PRODUCING
250		PERMIAN PENNSYL-	(?)	ST. MARTIN COMPLEX		300		CARBONATE BRECCIA AND TRACHYANDESITE (CRYPTO-EXPLOSION STRUCTURE).
		VANIAN		CHARLES		20		
300	_	M - 0 0 - 0 0 - P P - 4 Z		MISSION CANYON	MC-3 MC-3 MC-2 MC-1	120	*	MASSIVE ANHYDRITE AND DOLOMITE. LIMESTONE, LIGHT BUFF, OOLITIC, FOSSILIFEROUS, FRAGMENTAL, CHERTY, BANDS OF SHALE AND ANHYDRITE. OIL PRODUCING
	PALEOZOIC			LODGEPOLE	FLOSSIE LAKE WHITEWATER LAKE VIRDEN SCALLION ROUTLEDGE	185	*	LIMESTONE AND ARGILLACEOUS LIMESTONE, LIGHT BROWN AND REDDISH MOTTLED, SHALEY ZONES, OOLITIC, CRINOIDAL AND CHERTY. OIL PRODUCING
350				BAKKEN	UPPER MIDDLE LOWER	20	*	TWO BLACK SHALE ZONES SEPARATED BY SILTSTONE. OIL PRODUCING
		DEVONIAN		Qu'Appelle THREE FORKS	LOWER	35	*	SILTSTONE AND SHALE, RED, DOLOMITIC. OIL PRODUCING
				BIRDBEAR DUPEROW		40	•	LIMESTONE AND DOLOMITE, YELLOW-GREY, FOSSILIFEROUS, POROUS, SOME ANHYDRITE.
						170		LIMESTONE AND DOLOMITE, ARGILLACEOUS AND ANHYDRITIC IN PLACES. CYCLICAL SHALE, LIMESTONE, DOLOMITE AND ANHYDRITE.
				SOURIS RIVER (FIRST RED) DAWSON BAY (SECOND RED)		65	•	LIMESTONE AND DOLOMITE, ANHYDRITIC. LOCAL RED AND GREEN SHALE.
				PRAIRIE EVAP. WINNIPEGOSIS		120		HALITE, POTASH, ANHYDRITE AND DOLOMITE INTERBEDDED.
					UPPER (REEF)	75	•	DOLOMITE, LIGHT YELLOWISH-BROWN, REEFOID.
				ELM POINT	LOWER (PLATFORM)	75		LIMESTONE, FOSSILIFEROUS, HIGH-CALCIUM.
400				■ ASHERN		12		DOLOMITE AND SHALE, BRICK RED TO VARIGATED GREEN.
		SILURIAN		INTERLAKE GROUP	UPPER	135		DOLOMITE, YELLOWISH-ORANGE TO GREYISH-YELLOW FOSSILIFEROUS, SILTLY ZONES.
	_	0 R D 0 V - C - A		STONEWALL	LOWER WILLIAMS	20		DOLOMITE, GREYISH-YELLOW, BEDDED. DOLOMITE, YELLOWISH-GREY, SHALY.
				STONY MOUNTAIN	GUNTON PENITENTIARY	25	•	DOLOMITE, DUSKY-YELLOW, FOSSILIFEROUS.
450				RED RIVER	GUNN FORT GARRY SELKIRK CAT HEAD	170	•	SHALE, RED-GREEN, FOSSILIFEROUS LIMESTONE INTERBEDS. DOLOMITIC LIMESTONE, MOTTLED AND MOTTLED DOLOMITE.
				WINNIPEG	DOG HEAD UPPER SHALE	60		SHALE, GREEN, WAXY, AND INTERBEDDED SANDSTONE.
500	1	CAMPDIAN			LOWER SANDSTONE			SAND AND SANDSTONE, QUARTZOSE. SAND, BLACK TO GREEN-GREY, WAXY, GLAUCONITIC SILTSTONE AND SHALE, GREEN-
550	1	CAMBRIAN		DEADWOOD		60		SAND, BLACK TO GREEN-GREY, WAXY, GLAUCONITIC SILTSTONE AND SHALE, GREEN- GREY TO BLACK. LOCATED ONLY IN EXTREME SOUTHWEST CORNER OF MANITOBA.
DDECAMDDIAN								A GIR AND DAGIO ORVOTALLINIES AND THE THREE STATES
	PRECAMBRIAN							ACID AND BASIC CRYSTALLINES AND METAMORPHICS.
+ productive	- !4							documented oil & ass shows

^{*} productive intervals

Manitoba geologic column, showing productive intervals and documented oil and gas shows.

[•] documented oil & gas shows