GEORGE H. HORN

42-8

EXPLANATION

STRUCTURAL GEOLOGY SYMBOLS

- STRIKE AND DIP OF BEDS
- COMPONENT OF DIP
- FAULT
- SYNCLINAL AXIS

STRUCTURE CONTOUR SYMBOLS

- CONTROL BY SURFACE MAPPING
- CONTROL BY INTERPOLATION
- CONTROL INADEQUATE, POSITION OF CONTOURS INFERRED
- DEPRESSION CONTOURS

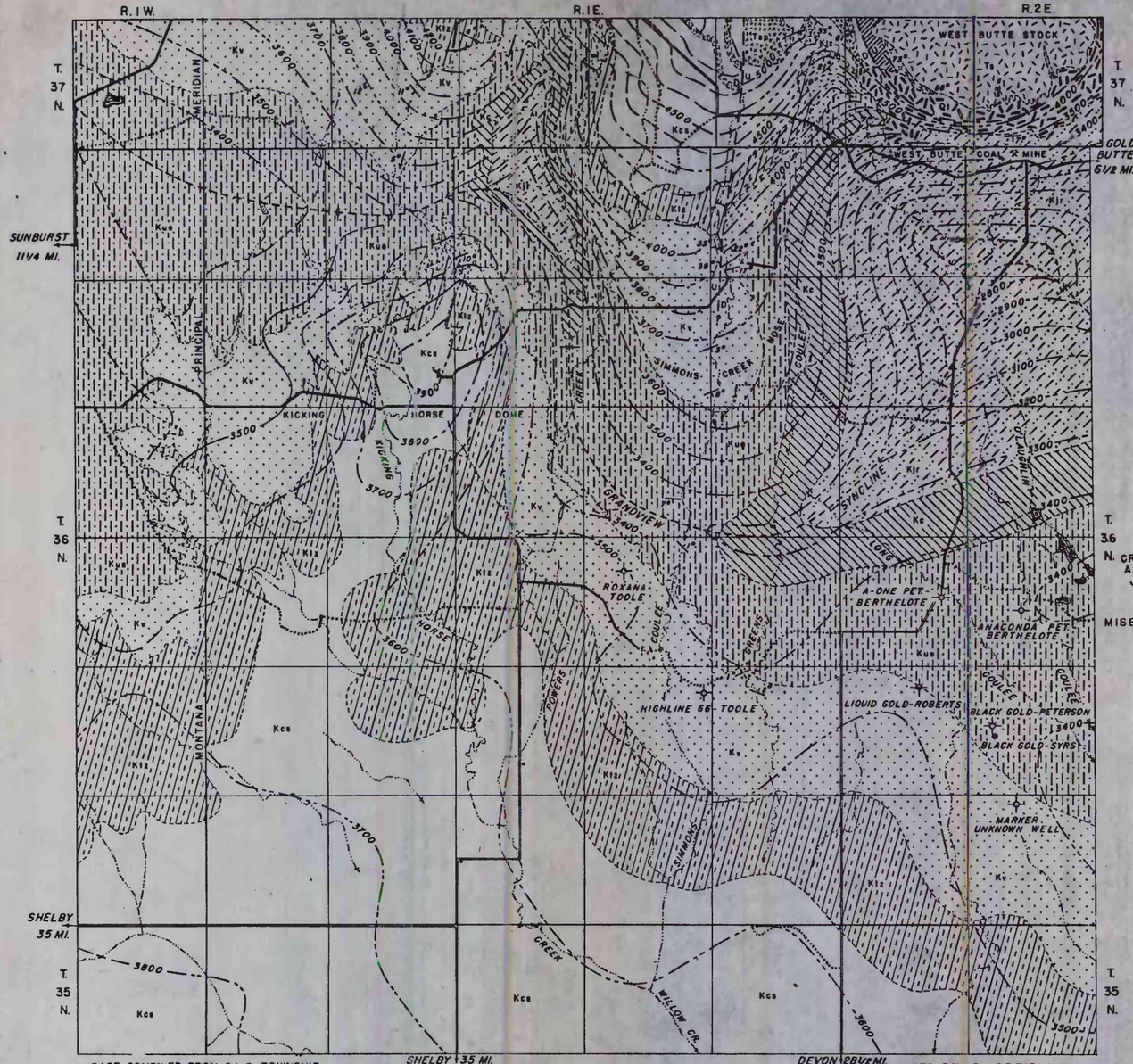
STRUCTURE CONTOURS DRAWN ON TOP OF COLORADO SHALE. INTERVAL, 100 FEET. DATUM, MEAN SEA LEVEL.

WELL SYMBOLS

- DRY HOLE, ABANDONED
- ABANDONED, SHOW OF GAS
- ABANDONED, SHOW OF GAS AND OIL
- OIL WELL

MISCELLANEOUS SYMBOLS

- GRADED GRAVEL ROAD
- TRAIL
- POND
- RESERVOIR OR TANK



BASE COMPILED FROM G.L.O. TOWNSHIP PLATS, AERIAL PHOTOGRAPHS, AUTHOR'S FIELD SHEETS.

GEOLOGY BY C.E. ERDMANN

EXPLANATION

SEDIMENTARY ROCKS

- RECENT — Qt — TALUS
- UPPER CRETACEOUS — Klt — JUDITH RIVER FORMATION
- UPPER CRETACEOUS — Kc — CLAGGETT SHALE
- EAGLE SANDSTONE — Kus — UPPER PART OF EAGLE SANDSTONE
- EAGLE SANDSTONE — Kv — VIRGELLE SANDSTONE MEMBER OF EAGLE SANDSTONE
- EAGLE SANDSTONE — Kls — TRANSITION ZONE
- UPPER CRETACEOUS — Kcs — COLORADO SHALE
- LOWER CRETACEOUS AND UPPER JURASSIC — J — ELLIS FORMATION WITH SOME UNDIFFERENTIATED BASAL KOOTENAI TOWARD FAULT
- LOWER MISSISSIPPIAN — Cm — MADISON LIMESTONE, METAMORPHOSED

IGNEOUS ROCKS

TERTIARY, EOCENE

- DIKE
- Tspir — SILLS, HORNBLENDE-SYENITE PORPHYRY IN COLORADO SHALE
- Te — SYENITE PORPHYRY IN WEST BUTTE STOCK

GREATER PART OF AREA HEAVILY COVERED WITH GLACIAL DRIFT AND ALLUVIUM, WHICH ARE NOT SHOWN. BOUNDARIES INDICATE APPROXIMATE POSITION OF FORMATIONS BELOW THE DRIFT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRELIMINARY MAP OF THE AREAL AND STRUCTURAL GEOLOGY OF T. 36 N., R. 1 E., TOOLE COUNTY, MONTANA

SHOWING KICKING HORSE DOME AND SIMMONS CREEK ANTICLINAL NOSE

SCALE OF MILES

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AUGUST 1942

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