40-3

R. 104 W. R. 103 W.

T. 21 N.

T. 20 N.

T. 19 N.

T. 18 N.

INDEX MAP

FRAZIER

KRAMER

SCOVILLE 6509

HARDY 6489

MARKER BED

P & R AND MARLAND 6431

BM 6402

CAPPERS NO 1 6377

CALCITE VEINS

UNION PACIFIC NO 1 6383

CAPPERS NO 2 6410

LEE 6429

U P NO 2 6434

CLARK 6363

U P NO 1 6322

GUNN

BAXTER

STONE 6327

ARNOLD 6324

OSBORNE 6441

MOSEY 6457

AMERICAN NO 3 6483

AMERICAN NO 1 6506

FAY 6520

HOYT 6471

HINES 6569

CALCITE VEINS

GAS ZONE CONSIDERED TO BE FRONTIER

BM 6678

AIRWAY BEACON

THAYER JUNC. 1 MI.

SALT WELLS

Dry Lake

Black Butte Creek

Bitter Creek

Wells Creek

DOME

BASIN

U.S. HIGHWAY 30 UNION PACIFIC

DINES 3 MI.

ROCK SPRINGS 4 MI.

EXPLANATION

UPPER CRETACEOUS — CRETACEOUS

MESAVERDE GROUP

BAXTER SHALE (STIPPLED AREAS, OLDER THAN THE "MARKER BED")

6300 STRUCTURE CONTOURS ON TOP OF THE "MARKER BED" IN THE BAXTER SHALE. CONTOUR INTERVAL 50 FEET. DATUM IS MEAN SEA LEVEL

STRIKE AND DIP OF BEDS

DIP OF BEDS

D FAULT. D, DOWNTHROW

A WELLS: A, DRY HOLE; B, GAS WELL

TOWNSHIP OR SECTION CORNER LOCATED

BM 6402 BENCH MARK AND ALTITUDE

6508 ALTITUDE ON GROUND IN FEET ABOVE SEA LEVEL

COLUMNAR SECTION

FROM EXPOSURES OF THE MESAVERDE GROUP AND THE UPPER PART OF THE BAXTER SHALE AND FROM WELL RECORDS

EXPLANATION: SHALE; SANDSTONE; LIMESTONE

MESAVERDE GROUP — CRETACEOUS

CONCRETIONS

YELLOW

MARKER BED

UPPER CRETACEOUS

BAXTER SH.

DAKOTA (?) SS.

MORRISON FORM. LS.

SO-CALLED TWIN CREEK LS. AND SO-CALLED NUGGET SS.

ASPEN SH. FRONTIER FORM.

GAS ZONE

UNCONFORMITY

GREEN

VARIEGATED

RED

GREEN

GAS ZONE

UPPER JURASSIC

RED

RED AND GRAY

VERTICAL SCALE 1,000 FEET 500 0 100

BASE COMPILED FROM AUTHORS' FIELD SHEETS AND GENERAL LAND OFFICE TOWNSHIP PLATS

GEOLOGY BY WILLIAM B. KRAMER AND GAYLORD G. FRAZIER, ASSISTED BY ROBERT MCMILLAN AND JAMES G. COX. SURVEYED JULY 22 TO SEPT. 27, 1939

SW A — U. P. NO. 1 GAS WELL — NE A'

MESAVERDE GROUP (UPPER CRETACEOUS)

BAXTER SH. (UPPER CRETACEOUS)

MARKER BED

DAKOTA (?) SS. (UPPER CRETACEOUS) GAS PRODUCING ZONE

FRONTIER FORM. (UPPER CRETACEOUS)

ASPEN SH. (UPPER CRETACEOUS)

MORRISON FORM. (UPPER JURASSIC)

SO-CALLED TWIN CREEK LS. AND SO-CALLED NUGGET SS. (JURASSIC)

7,000' 6,000' 5,000' 4,000' 3,000' 2,000' 1,000' 0'

SECTION ALONG LINE A-A'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGIC MAP AND SECTIONS OF THE NORTHERN PART OF THE BAXTER BASIN GAS FIELD, SWEETWATER COUNTY, WYOMING

SCALE 1 0 1 2 MILES

1940