DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
83-824-D

D

WEST

D'

EAST

17 — LOVES BRIDGE — 1 PENNEL LITTLE ZONE — SW¼ NE¼ sec. 9, T. 17 N., R. 1 E. — KB 6036

18 — PAVILION FIELD — SHELL OIL CO. 33-10 TRIBAL PAVILION — NW¼ SE¼ sec. 10, T. 5 N., R. 2 E. — KB 5416

19 — SAND MESA FIELD — HUMBLE OIL — 1 SHOSHONE-ARAPAHOE SAND MESA — NW¼ SE¼ sec. 14, T. 4 N., R. 2 E. — DF 4874

20 — TOUCH CREEK FIELD — CIG EXPLOR. INC. CUE 1-15 SU — NW¼ NE¼ sec. 1, T. 33 N., R. 94 W. — DF 6799 — plug back 8822 — total depth 12,474

21 — BONNEVILLE FIELD — MONUMENT 23-1 BONNEVILLE U — SE¼ SW¼ sec. 23, T. 29 N., R. 93 W. — KB 6450 — plug back 10,000 — TD 8464 10,000 14,008

ERA: MESOZOIC; CENOZOIC
SYSTEM: JURASSIC; CRETACEOUS; TERTIARY
SERIES: LOWER; UPPER; PALEOCENE; EOCENE
FORMATION: Sundance Formation; Morrison Formation; Cloverly Formation; Mowry Shale; Frontier Formation; Cody Shale; Meeteetse Formation; Lance Formation; Fort Union Formation; Wind River–Indian Resources Intermontane (undifferentiated)

Fluvial (sandstone, siltstone, and shale)

Fluvial (sandstone, siltstone, and shale)

Fluvial and paludal (sandstone, siltstone, shale, and coal)

Fluvial and paludal (sandstone, siltstone, shale, and coal)

Continental, marginal marine, and deltaic (sandstone, siltstone, shale, and coal)

Marine (shale and siltstone)

Marginal marine and deltaic (sandstone,siltstone, and shale)

Marine (shale)

Marginal marine (sandstone and siltstone)

Marine (shale)

Continental (sandstone, siltstone, and shale)

Continental (siltstone and shale)

Marine (sandstone, siltstone, and shale)

Wahlman Member

Lacustrine (shale and siltstone)

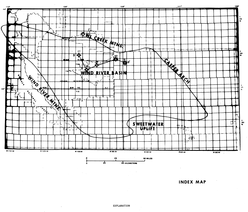
Owl Creek Thrust Fault

GROSS PERFORATED INTERVAL

SECTION THICKENED BY FAULTING

SECTION CONDENSED BY STRUCTURAL MOMENTUM

Marginal marine and deltaic (sandstone, siltstone, and shale)



EXPLANATION

Stratigraphic unit
Depth to unit, in thousands of feet below Wind River Basin

Stratigraphic line as inferred or modern boundary; vertical where correlation is uncertain

Stratigraphic line within a formation/marker

Fluvial paleosol

Interval and identification number of drill stem test

Cored interval

Direction of dip; dashing in feet

Direction of paleocurrent in feet

Direction of detrital flows in fan

Gross vertical scale in the top of the Fort Union Formation

Dry and abandoned well

Gas well

Datum: Feet
0
50
100

REFERENCES

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Keefer, W. R., 1970, Structural development and accumulation of oil and gas in the Wind River Basin, Wyoming: U.S. Geological Survey Professional Paper 495-D, 35 p.

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BY

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1983

This chart is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

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