DIAGRAMMATIC CROSS SECTION
SHOWING SUBSURFACE FAULTING AT BWIP

ENCLOSURE B

NW — SW

NANEUM RIDGE & HOG RANCH CROSS FOLD
CHIWAUKUM STRUCTURAL GRABEN PROJECTED INTO SECTION
SADDLE MOUNTAIN ANTICLINE
PASCO SYNCLINE
UMTANUM RIDGE
COLD CREEK SYNCLINE
YAKIMA RIDGE
RATTLESNAKE RIDGE

15 Mi. | 16 Mi. | 5 Mi. | 5 Mi. | 2 Mi. | 6 Mi. | 4 Mi. | 3.5 Mi. | 2.5 Mi. | 10 Mi.

HANFORD SITE

VERTICAL SCALE: +3000, +2000, +1000, 0, -1000, -2000, -3000, -4000, -5000, -6000, -7000, -8000, -9000, -10,000, -11,000, -12,000, -13,000, -14,000, -15,000, -16,000, -17,000, -18,000

SEA LEVEL

COLUMBIA RIVER

RECHARGE/DISCHARGE ZONE

RATTLESNAKE HILLS GAS FIELD
BENTON COUNTY, WASHINGTON

1-29 BISSA WELL
KITTITAS COUNTY, WASHINGTON
SECTION 29: T 18 N, R 21 E
ELEVATION: 3,858 ft.
KELLY BUSHING: 3,888 ft.

BASALT

BLACK OR DARK GRAY BASALT WITH MINOR WHITE TUFFACEOUS AND PUMICITIC SILTSTONE AND SANDSTONE INTERBEDS (ONLY MAJOR INTERBED SHOWN)

OLIGOCENE, LOWER MIOCENE

WHITE SANDSTONE AND GRAY GRANODIORITE STONE
GREEN-GRAY SILTSTONE AND WHITE SANDSTONE
WHITE SANDSTONE AND LIGHT GRAY SILTSTONE
BEDS
WHITE-LIGHT GRAY SANDSTONE WITH MINOR LIGHT BROWN SILTSTONES
GRAY SANDSTONE AND SILTSTONE WITH OCCASIONAL COAL
WHITE SANDSTONE WITH INTERBEDDED GRAY SHALE AND SILTSTONE- OCCASIONAL COAL AND BLACK SHALE
GRAY-BROWN SILTSTONE AND SHALE WITH MINOR SANDSTONE
WHITE-GRAY SANDSTONE AND GRAY SILTSTONE WITH OCCASIONAL GREEN SHALE

EOCENE

LIGHT GRAY AND WHITE SANDSTONE AND SILTSTONE
WHITE SANDSTONE AND BROWN SILTSTONE WITH INTERBEDDED BLACK SHALE
WHITE SANDSTONE AND GRAY-GREEN SILTSTONE
WHITE SANDSTONE AND INTERBEDDED GRAY SILTSTONE WITH MINOR BROWN SHALE

MARINE CRETACEOUS

DARK BROWN SHALE
BROWN-BLUE SHALE
GRAY LIMESTONE AND BLACK SHALE
BLACK SHALE AND GRAY SANDSTONE
BLACK SHALE AND SILTSTONE WITH OCCASIONAL BROWN LIMESTONE
BLACK SHALE AND GRAY SILTSTONE
GRAY, BROWN, AND BLACK SILTSTONE AND SHALE WITH MINOR WHITE SANDSTONE
BLACK SHALE
GREEN-GRAY GRANITE (GNEISS ?)

TOTAL DEPTH: 14,965 ft.
GRANITE BASEMENT

BASALT

BASALT

BASALT

BASALT

SADDLE MOUNTAIN THRUST FAULT

PROJECTED UMTANUM THRUST FAULT

RATTLESNAKE HILLS THRUST FAULT

1-9 BN SADDLE MOUNTAIN WELL
GRANT COUNTY, WASHINGTON
SECTION 9: T 15 N, R 25 E
ELEVATION: 2400 ft.

DIPMETER

PERFS: 13372-86, 13400-10, 13420-30, 13440-50, 13460-70, 13480-90, 13500-10, 13520-30, 13540-50, 13560-70, 13580-90, 13600-10, 13620-30, 13640-50, 13660-70, 13680-90, 13700-10, 13720-30, 13740-50, 13760-70, 13780-90, 13800-10, 13820-30, 13840-50, 13860-70, 13880-90, 13900-10, 13920-30, 13940-50, 13960-70, 13980-90, 14000-10, 14020-30, 14040-50, 14060-70, 14080-90, 14100-10, 14120-30, 14140-50, 14160-70, 14180-90,