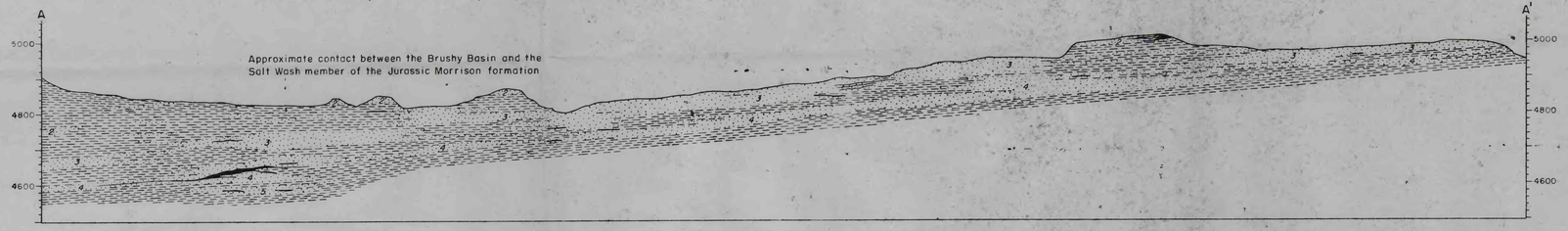

GEOLOGIC SECTION A-A' (GENERALIZED)

EXPLANATION
(GEOLOGIC SECTION)

MUDSTONE AND FINE-GRAINED SANDSTONE

3

ORE-BEARING SANDSTONES:
NUMBER INDICATES STRATIGRAPHIC POSITION

URANIUM-BEARING ROCK

500 0 2000 FEET
HORIZONTAL SCALE

200 0 800 FEET
VERTICAL SCALE
DATUM IS ASSUMED

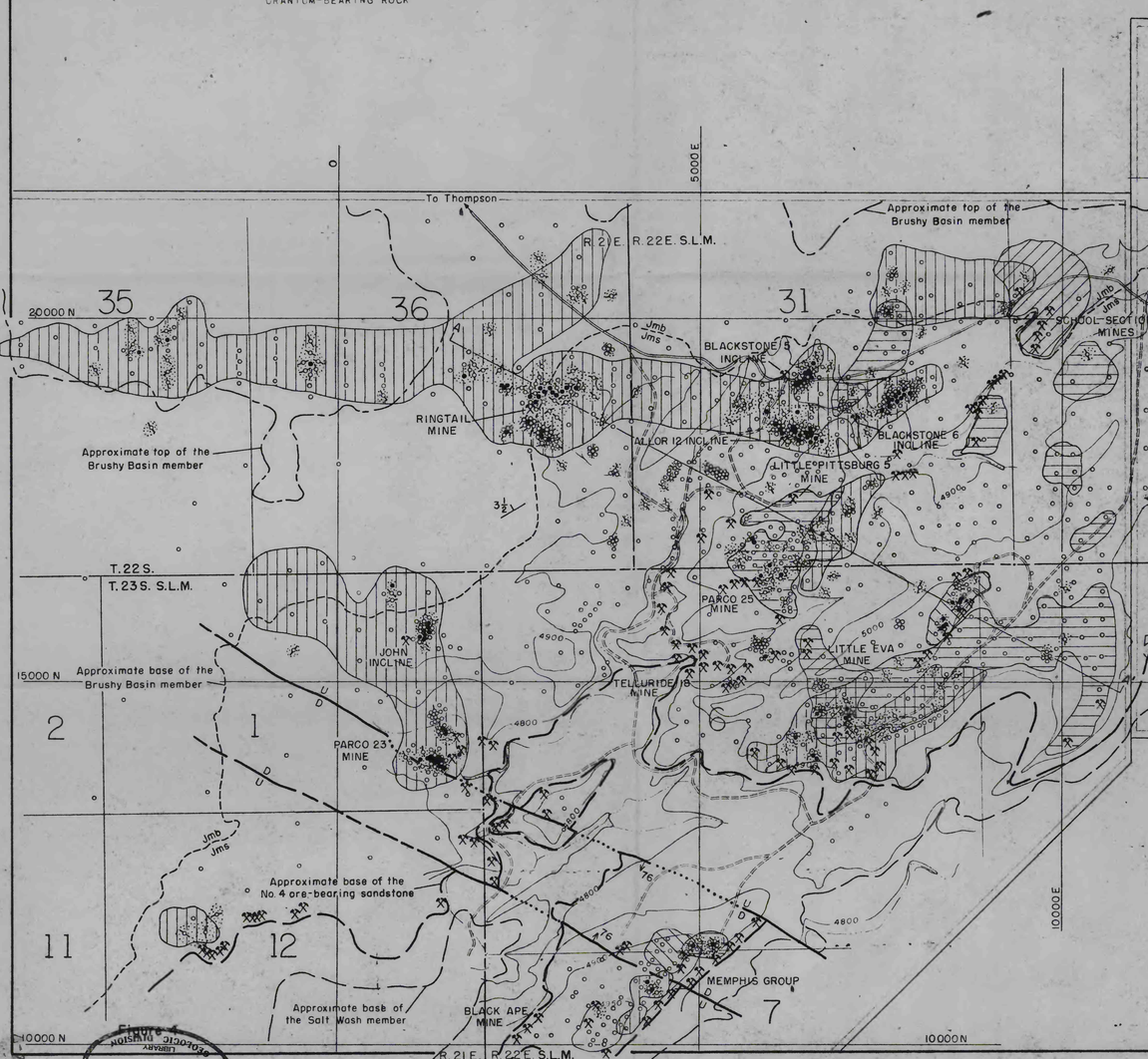

Figure 4

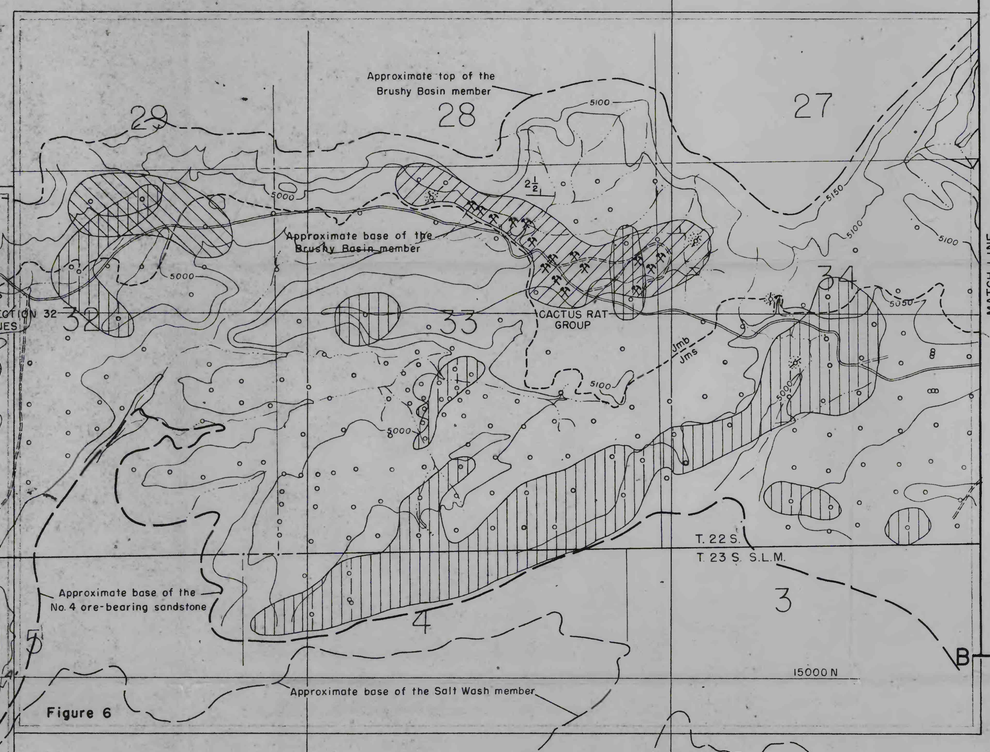

Figure 6

MATCH LINE

15½°
TRUE NORTH
MAGNETIC NORTH

1 000 0 4 000 FEET
CONTOUR INTERVAL 50 FEET
DATUM IS ASSUMED

SURVEYING BY C.N. BROWN AND OTHERS 1949-51.
GEOLOGY BY W.L. STOKES AND OTHERS 1943-44, 1951-54.

EXPLANATION
(MAP)

APPROXIMATE TOP OF THE BRUSHY BASIN MEMBER OF THE JURASSIC MORRISON FORMATION

Jmb / Jms

APPROXIMATE CONTACT BETWEEN BRUSHY BASIN (Jmb) AND THE SALT WASH (Jms) MEMBERS OF THE JURASSIC MORRISON FORMATION -- ALSO APPROXIMATE BASE OF NO. 1 ORE-BEARING SANDSTONE, WHERE PRESENT

APPROXIMATE BASE OF THE NO. 4 ORE-BEARING SANDSTONE

APPROXIMATE BASE OF THE SALT WASH MEMBER OF THE JURASSIC MORRISON FORMATION

D / U 76

FAULT, SHOWING DIP.
(U, UPTHROWN SIDE; D, DOWNTHROWN SIDE; DASHED WHERE APPROXIMATELY LOCATED; DOTTED WHERE CONCEALED)

2½

STRIKE AND DIP OF BEDS

GROUND UNDERLAIN BY FAVORABLE PART OF NO.1 ORE-BEARING SANDSTONE, BRUSHY BASIN MEMBER

GROUND UNDERLAIN BY FAVORABLE PART OF NO.2 ORE-BEARING SANDSTONE, TOP SANDSTONE IN SALT WASH MEMBER

GROUND UNDERLAIN BY FAVORABLE PART OF NO.3 ORE-BEARING SANDSTONE, SECOND SANDSTONE IN SALT WASH MEMBER

GROUND UNDERLAIN BY FAVORABLE PART OF NO.4 ORE-BEARING SANDSTONE, THIRD SANDSTONE IN SALT WASH MEMBER

GROUND UNDERLAIN BY URANIUM-BEARING ROCK. PROJECTED TO THE INFERRED OUTER EDGES OF MINERALIZED LAYERS, SOME OF WHICH OVERLAP AND ARE NOT CONNECTED BETWEEN ADJACENT DRILL HOLES; INCLUDES RESERVE BLOCKS WHERE SHOWN

MINE OR PROSPECT IN MINERALIZED GROUND

5000E / 15000N

COORDINATE LINES, U.S. GEOLOGICAL SURVEY SYSTEM

LAND-SECTION CORNER FOUND IN FIELD AND LOCATED BY PLANE-TABLE SURVEY METHODS; OTHER CORNERS LOCATED APPROXIMATELY

32
LAND SECTION NUMBER

Figure 4

OUTLINE OF AREAS SHOWN ON FIGURES 4 AND 6

DIAMOND-DRILL HOLES AND WAGON-DRILL HOLES, GEOLOGICAL SURVEY, 1951-54. CLASSIFICATION BY GRADE (BASED ON CHEMICAL ASSAY OR GAMMA-RAY DATA AND THICKNESS). DRILL HOLES LOCATED BY TAPE AND COMPASS SURVEY METHODS. (NUMBERS ON DIAMOND-DRILL HOLE STANDPIPES AND STAKES IN FIELD HAVE PREFIX YC; NUMBERS ON WAGON-DRILL HOLE STANDPIPES AND STAKES IN FIELD HAVE PREFIX WYC)

BARREN

WEAKLY MINERALIZED
(CONTAINS LESS THAN 0.10 PERCENT U_3O_8 AND 1.0 PERCENT V_2O_5, BUT 0.020 PERCENT OR MORE U_3O_8 OR 0.10 PERCENT OR MORE V_2O_5 BY CHEMICAL ASSAY OR REGISTERS GAMMA-RAY VALUES WITHIN THE RANGE FROM 0.020 PERCENT TO 0.099 PERCENT eU_3O_8, OR LESS THAN 1 FOOT THICK IF HIGHER GRADE)

ORE-BEARING
(CONTAINS 0.10 PERCENT OR MORE U_3O_8 OR 1.0 PERCENT OR MORE V_2O_5 BY CHEMICAL ASSAY, OR REGISTERS GAMMA-RAY VALUES OF 0.10 PERCENT OR MORE eU_3O_8, AND 1 FOOT OR MORE THICK)

Figure 2.--GEOLOGIC MAP OF THE WESTERN AND CENTRAL PARTS OF THE YELLOW CAT AREA, THOMPSON DISTRICT, GRAND COUNTY, UTAH.

GEOLOGIC DIVISION
LIBRARY
JUL 7 1983
DENVER, COLORADO

N BACK OF BOUND VOLUME
CHECK NEAR LABEL IN POCKET