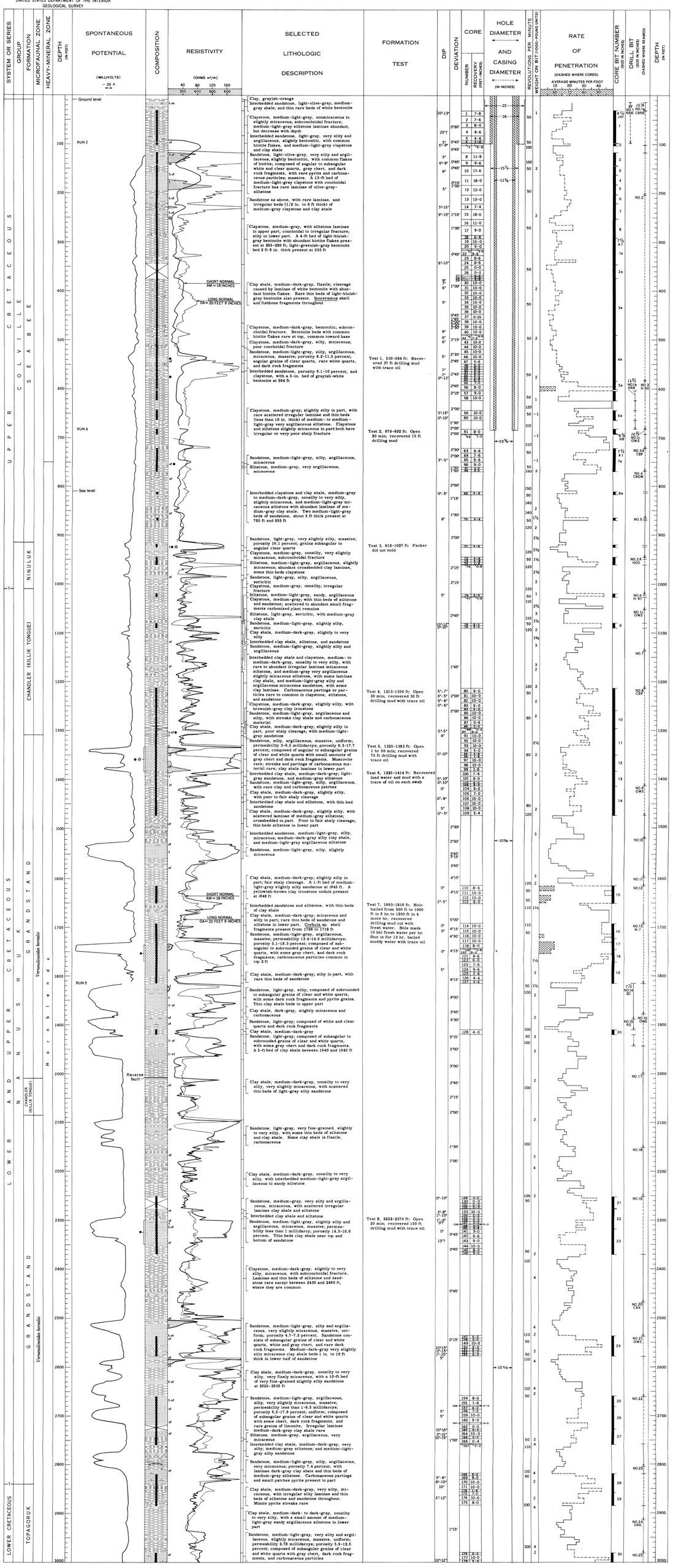


EXPLANATION

Sandstone
Silty sandstone
Calcareous sandstone
Siltstone
Sandy siltstone
Calcareous siltstone
Clay shale or claystone
Sandy clay shale or claystone
Silty clay shale or claystone
Clay ironstone
Bentonite
Cored interval
No samples recovered
Oil show
Gas show
vf Very fine grained
f Fine grained
m Medium grained
AM OA Electrode spacing

BIT SYMBOLS

DRILL BITS

- CBOW — Crum Brainard OW
- CBP — Crum Brainard pilot
- CBRK — Crum Brainard rock
- CBX — Crum Brainard cross section type
- HOD — Hughes OD
- HRK — Hughes rock
- OSQ-2 — Hughes OSQ-2
- OSQ-3A — Hughes OSQ-3A
- OWS — Hughes OWS
- W-7 — Hughes W-7
- 2C — Reed 2C
- RRK — Reed rock
- R-2 — Reed type 2
- H-41 — Zublin Simplex H-41
- H-50 — Zublin Simplex H-50

CORE BITS

- A-1 — A-1 wire line
- GB — Globe basket
- JHF — Hughes type J hard formation

Location	Lat 69° 23′ 52″ N. Long 152° 19′ 45″ W.
Elevation	Kelly bushing 810 feet; Ground 801 feet
Spudded	June 22, 1945
Shutdown	September 19, 1945
Reopened	June 2, 1946
Completed	October 5, 1946
Total depth	6005 feet
Status	Dry and abandoned

Drilling and engineering data supplied by Arctic Contractors

Colors were determined by comparison of dry samples with the National Research Council Rock Color Chart, 1948

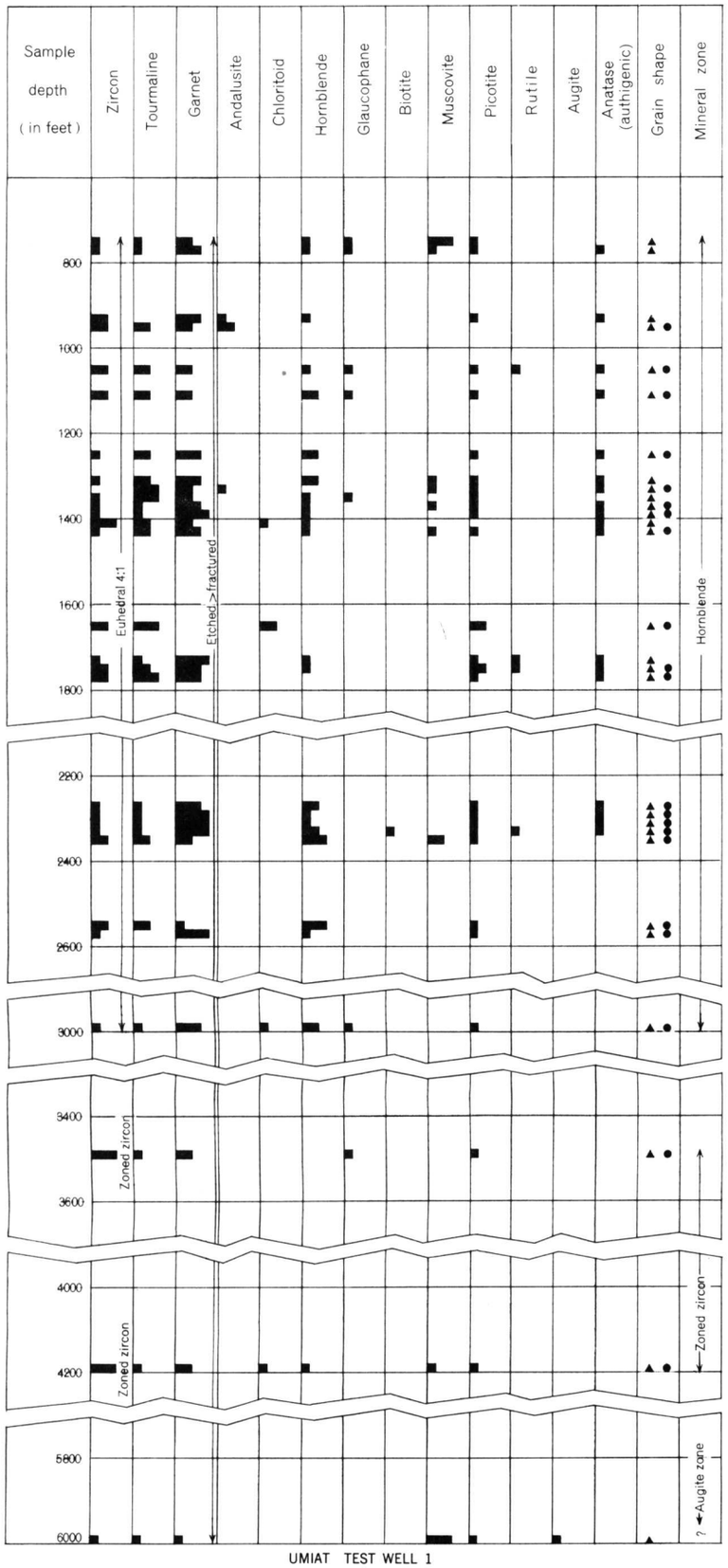
Electric log by Schlumberger Well Surveying Corporation

All depths are measured from the top of the kelly bushing

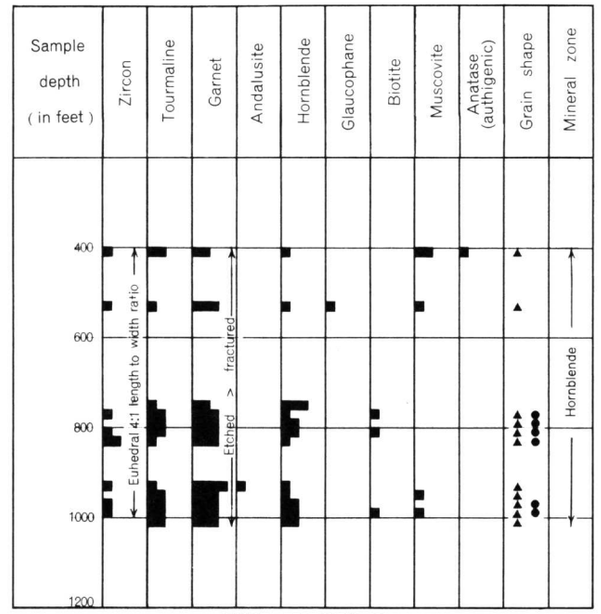
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.

GRAPHIC LOG OF UMIAT TEST WELL 1

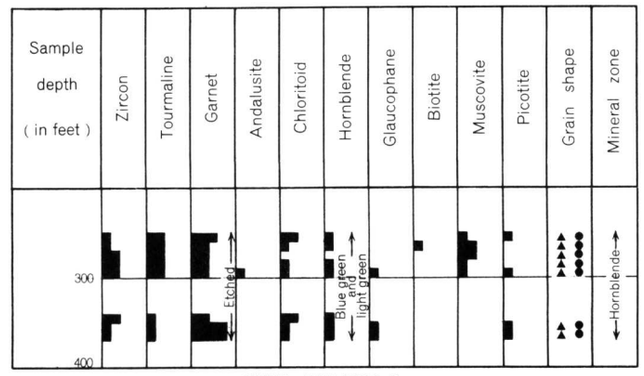
Logged by Florence P. Rucker



UMIAT TEST WELL 1



UMIAT TEST WELL 2



UMIAT TEST WELL 3

EXPLANATION

4:1 length to width ratio of zircon

Rare, less than 10 percent

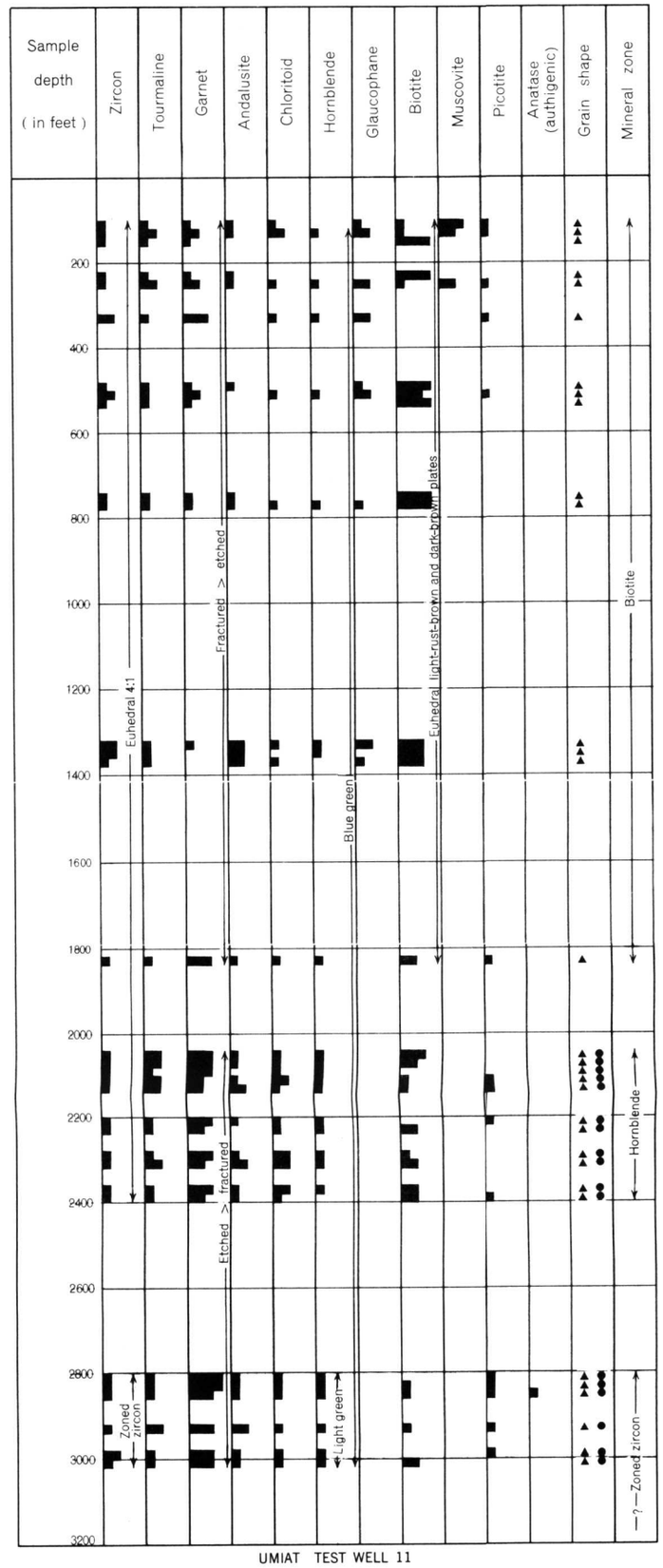
Common, 10 to 40 percent

Abundant, 40 to 80 percent

Flood, over 80 percent

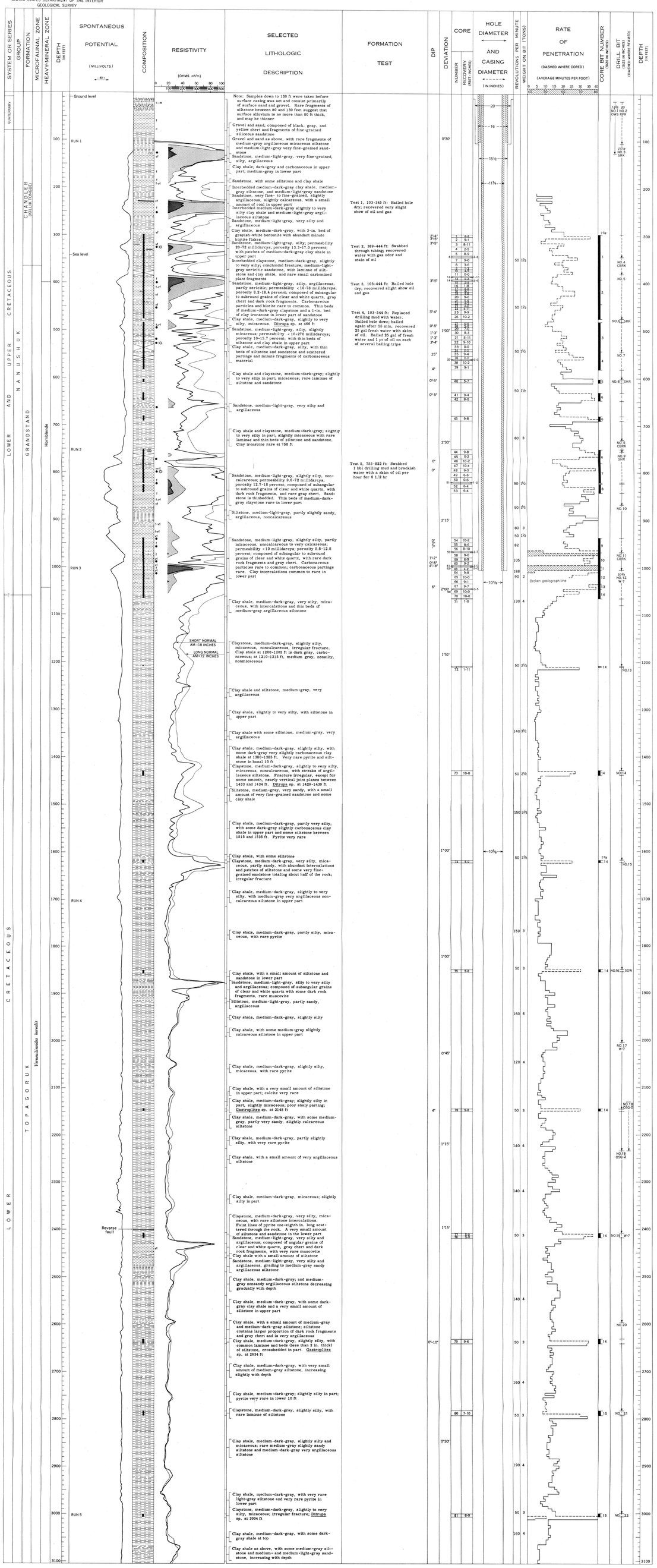
Angular

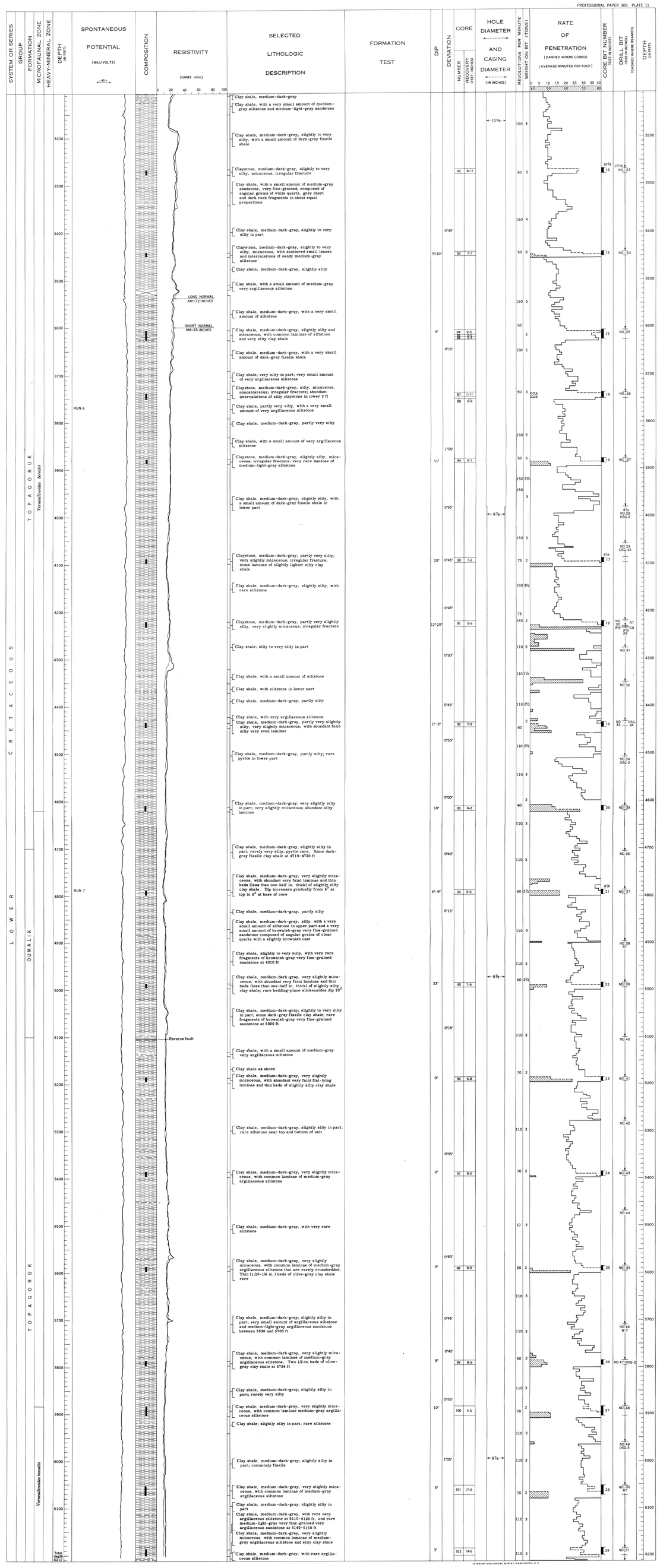
Rounded



UMIAT TEST WELL 11

RELATIVE ABUNDANCE OF HEAVY MINERALS IN UMIAT TEST WELLS 1, 2, 3, AND 11

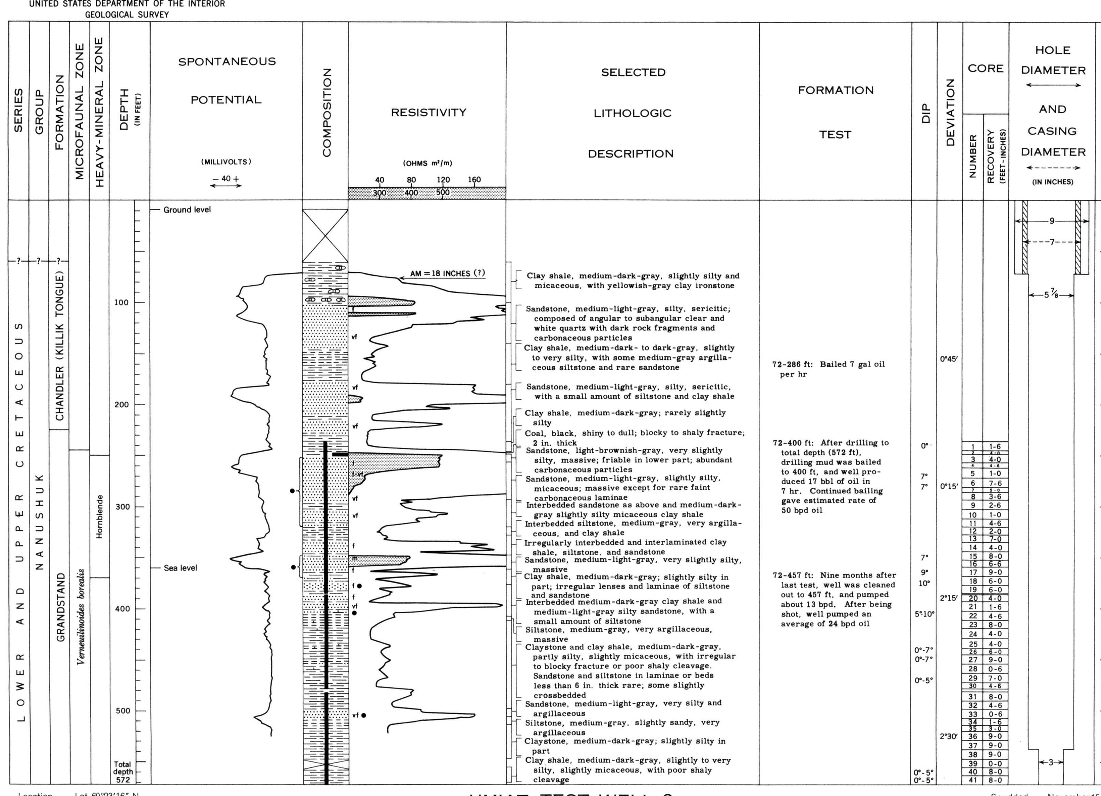




GRAPHIC LOG OF UMIAT TEST WELL 2

Logged by Florence P. Rucker

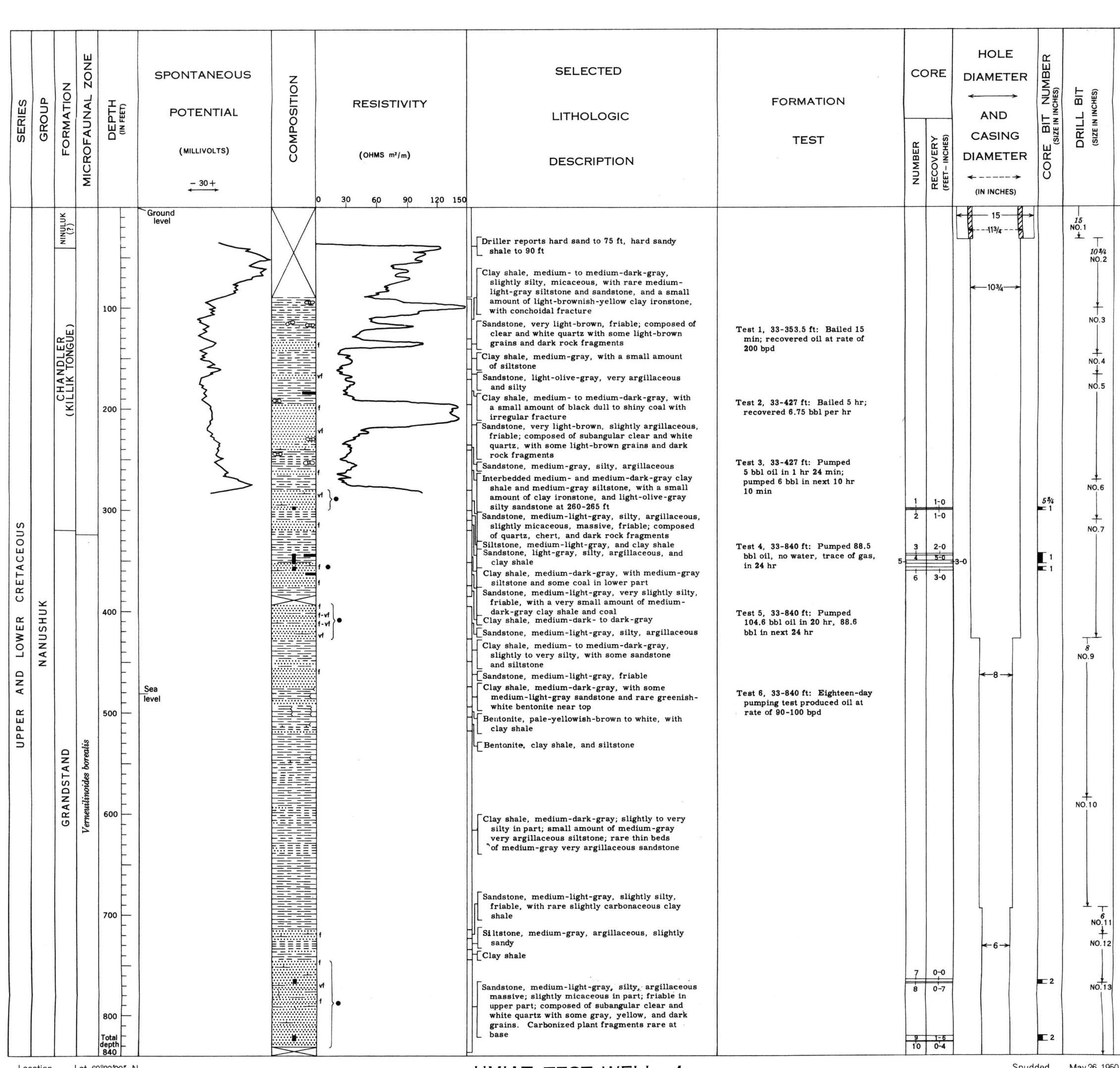
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.



UMIAT TEST WELL 3

Location Lat 69°23'16" N. Long 152°05'14" W.
Elevation Kelly bushing 360 feet, Ground 351 feet
Total depth 572 feet
Status Pumped 24 bbl oil per day, Abandoned

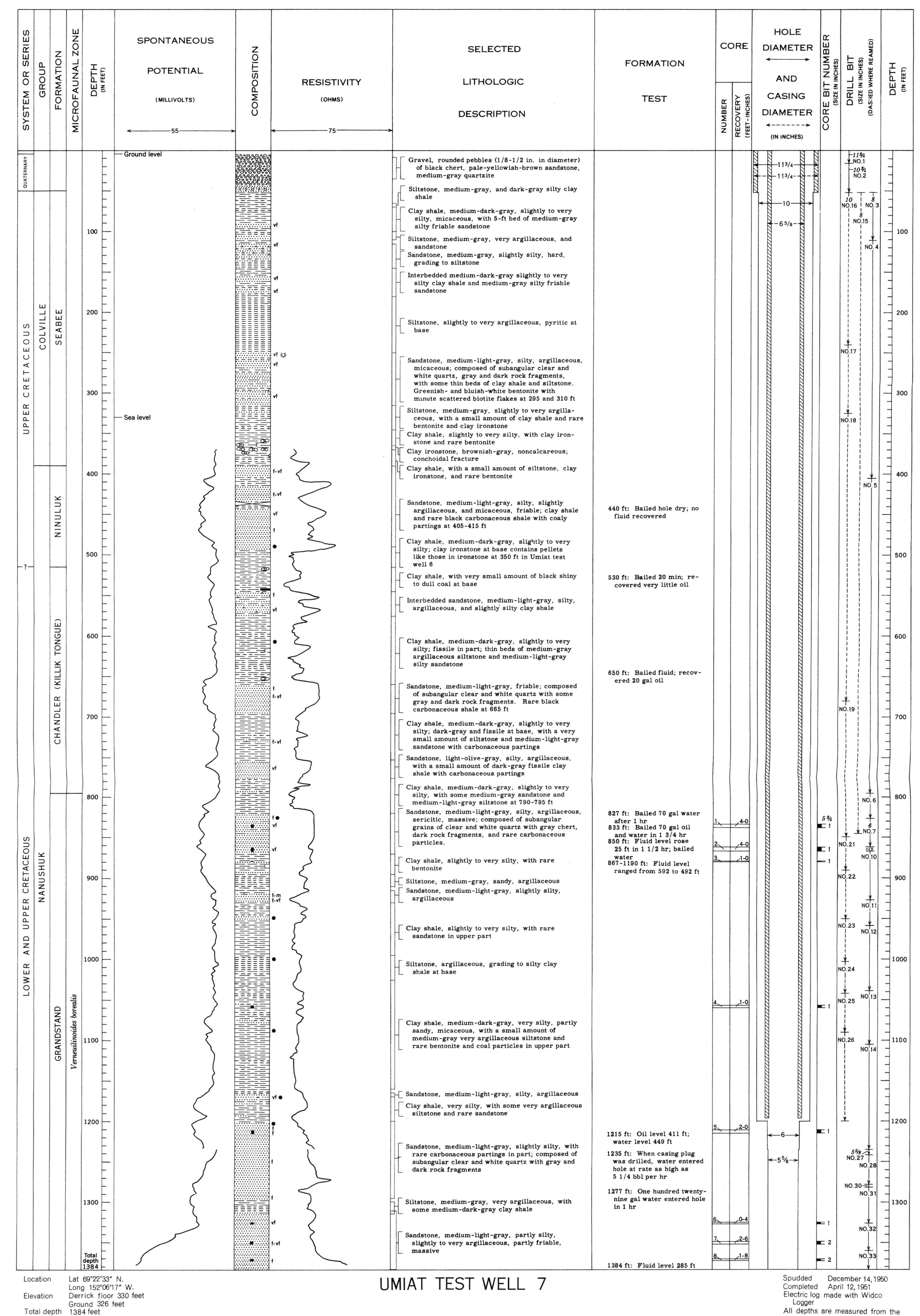
Spudded November 15, 1946
Completed December 26, 1946
Retested October 1, 1947 to November 15, 1947
Electric log by Schlumberger Well Surveying Corporation
All depths are measured from the top of the kelly bushing



UMIAT TEST WELL 4

Location Lat 69°23'20" N. Long 152°04'53" W.
Elevation Surface pipe 483 feet, Ground 482 feet
Total depth 840 feet
Status Pumped 100 bbl oil per day, Shut in

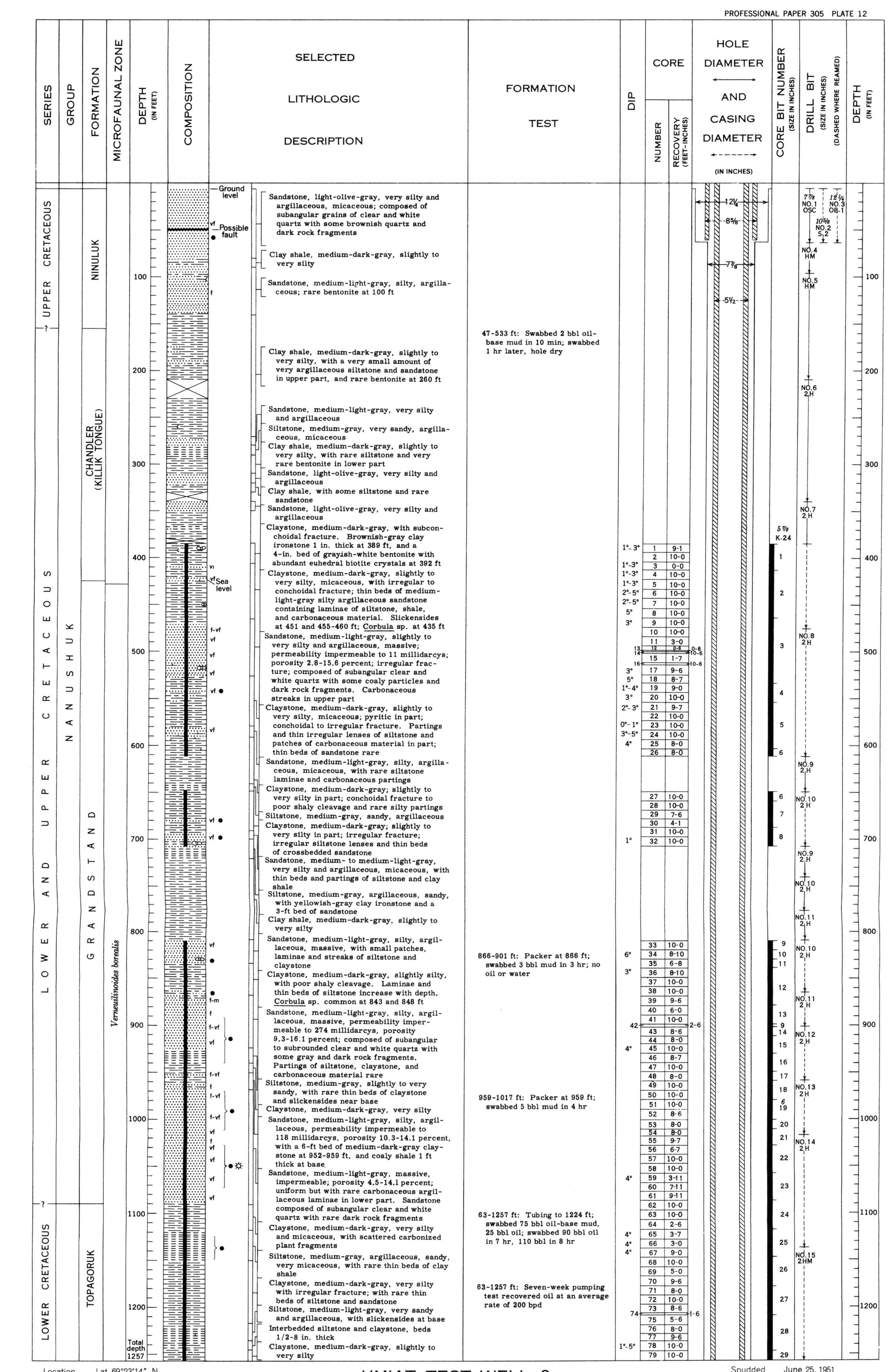
Spudded May 26, 1950
Completed July 29, 1950
Electric log made with Widco Logger
All depths are measured from the top of the surface pipe



UMIAT TEST WELL 7

Location Lat 69°22'33" N. Long 152°06'17" W.
Elevation Derrick floor 330 feet, Ground 326 feet
Total depth 1384 feet
Status Dry and abandoned

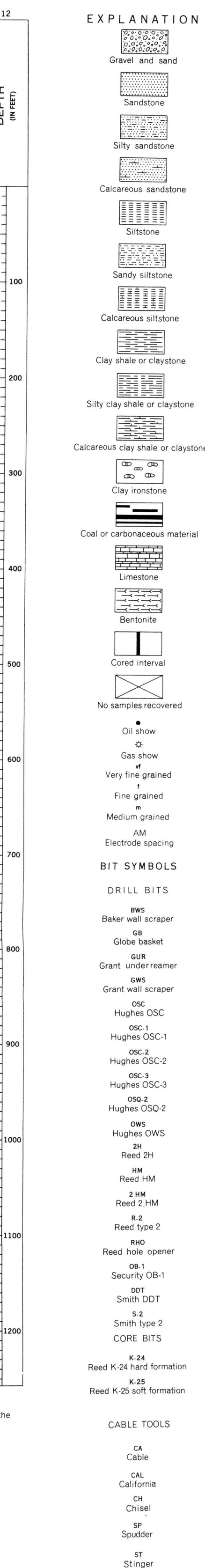
Spudded December 14, 1950
Completed April 12, 1951
Electric log made with Widco Logger
All depths are measured from the top of the derrick floor

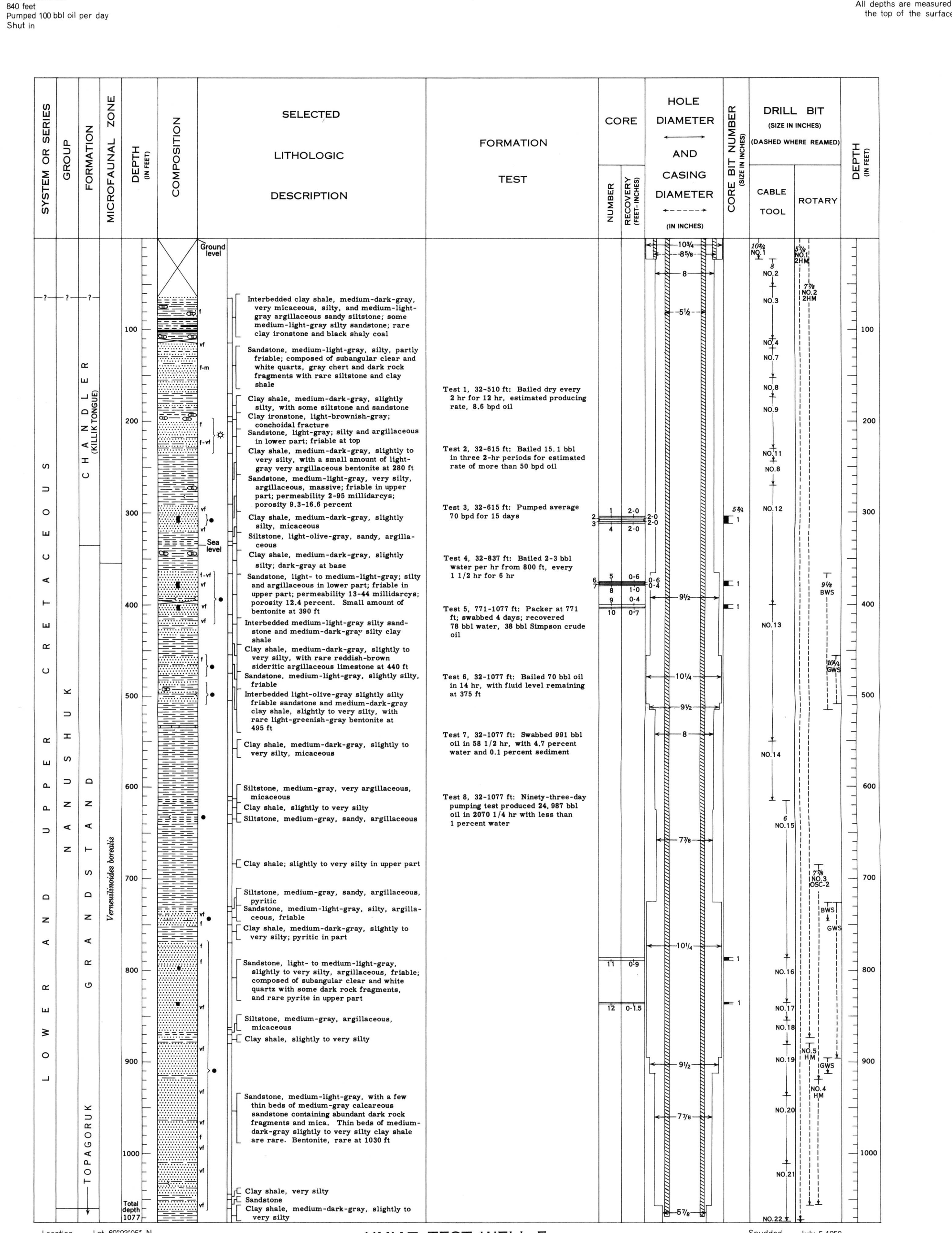


UMIAT TEST WELL 9

Location Lat 69°23'14" N. Long 152°10'11" W.
Elevation Kelly bushing 424 feet, Ground 418 feet
Total depth 1257 feet
Status Pumped 217 bbl oil per day, Plugged and abandoned

Spudded June 25, 1951
Completed January 15, 1952
All depths are measured from the top of the kelly bushing

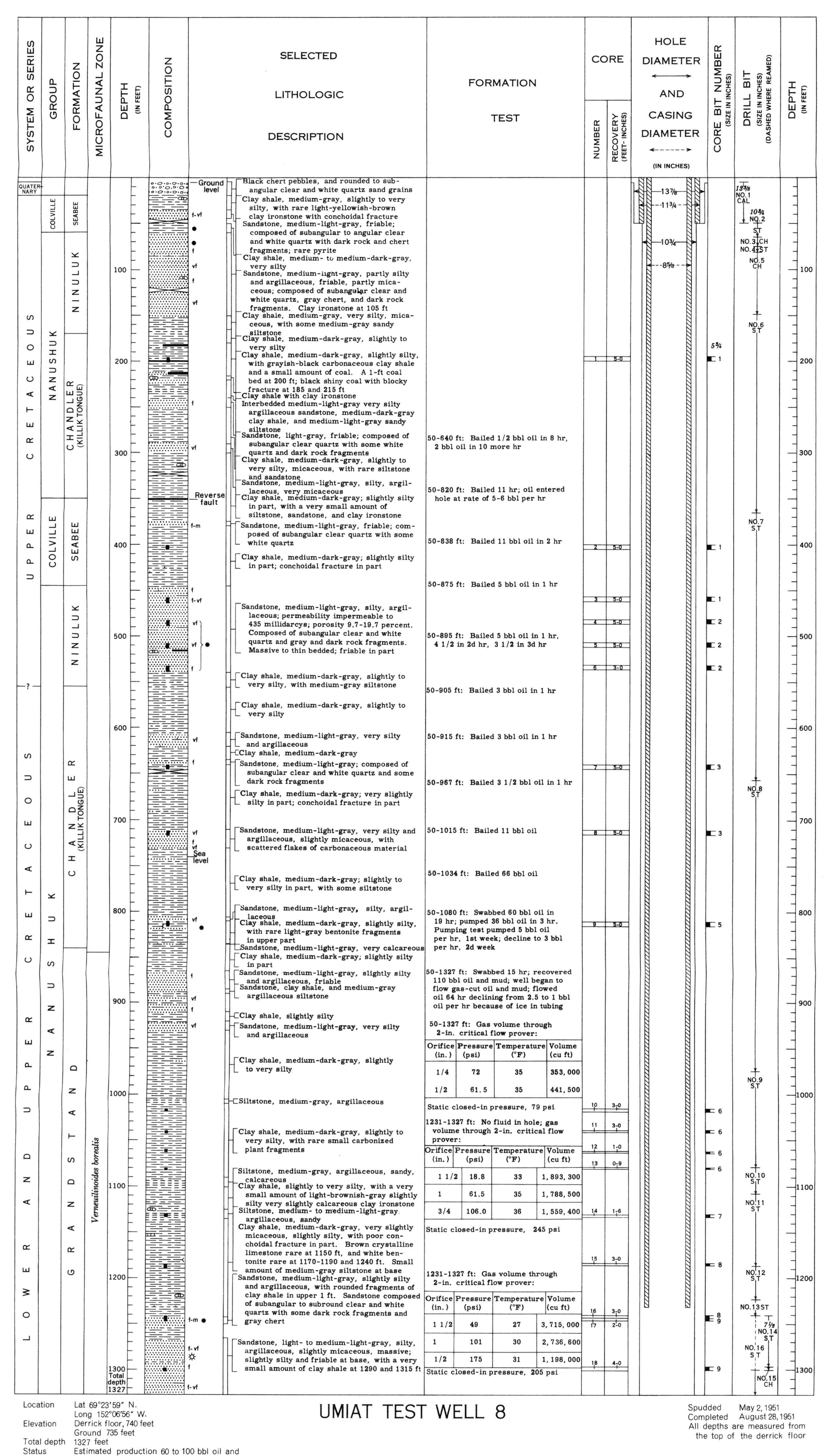




UMIAT TEST WELL 5

Location Lat 69°23'05" N. Long 152°04'56" W.
Elevation Derrick floor 335 feet, Ground 334 feet
Total depth 1077 feet
Status Pumped 400 bbl oil per day, Abandoned

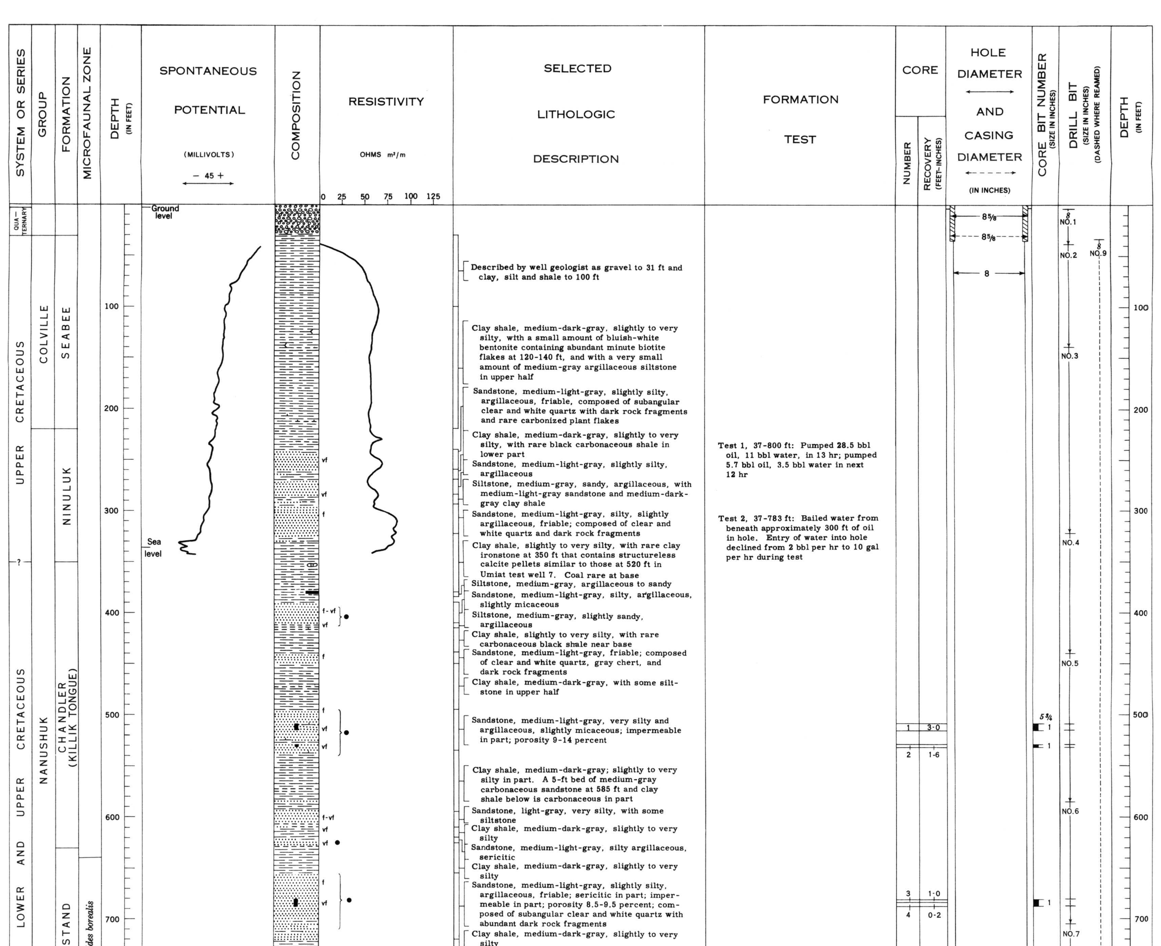
Spudded July 5, 1950
Suspended September 22, 1950
Resumed work April 22, 1951
Completed October 4, 1951
All depths are measured from the top of the derrick floor



UMIAT TEST WELL 8

Location Lat 69°23'59" N. Long 152°06'56" W.
Elevation Derrick floor, 740 feet, Ground 735 feet
Total depth 1327 feet
Status Estimated production 60 to 100 bbl oil and 6,000,000 cubic feet gas per day. Shut in

Spudded May 2, 1951
Completed August 28, 1951
All depths are measured from the top of the derrick floor



UMIAT TEST WELL 6

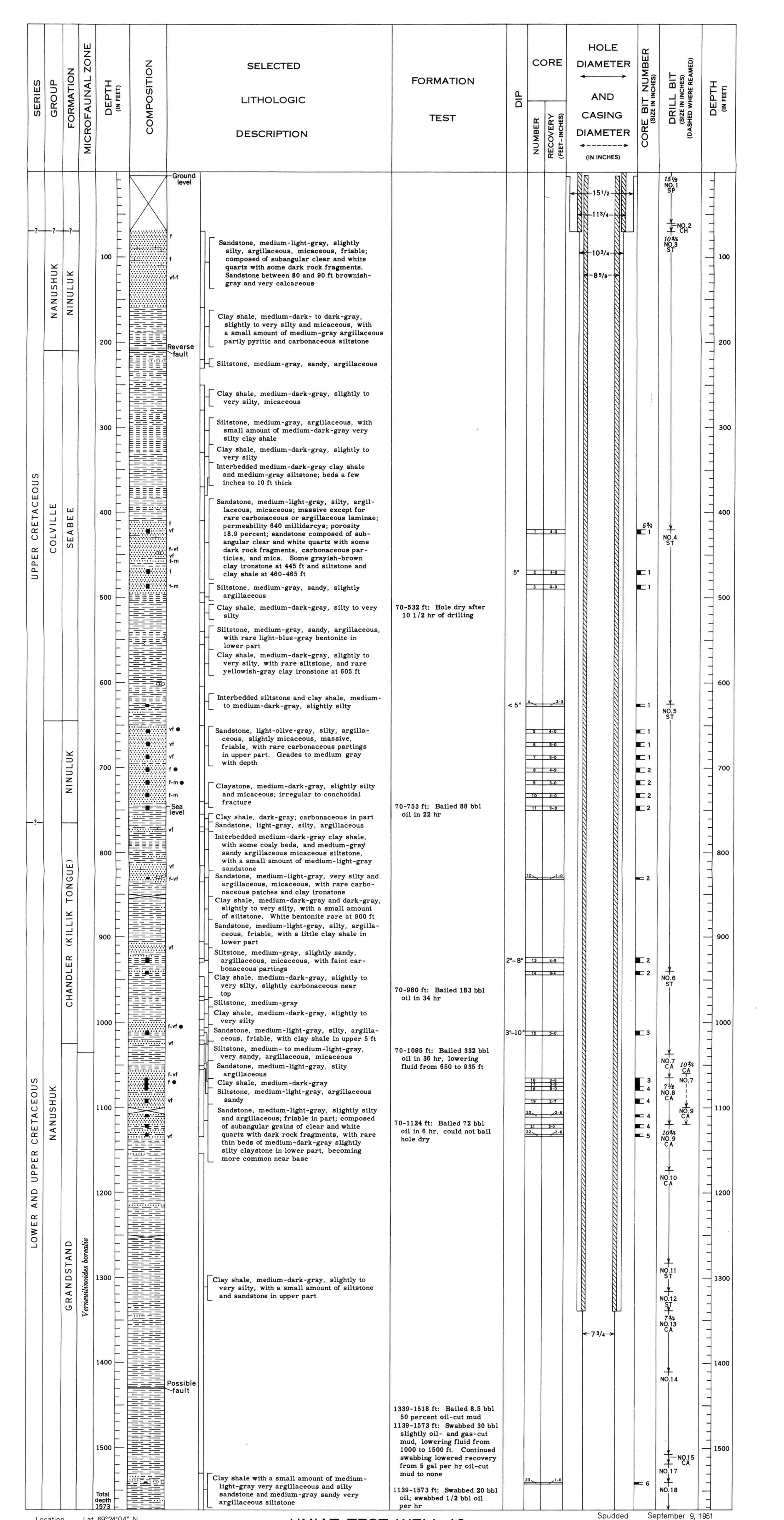
Location Lat 69°22'44" N. Long 152°05'40" W.
Elevation Surface pipe 337 feet, Ground 334 feet
Total depth 825 feet
Status Pumped at rate of 80 bbl oil per day, Junked and abandoned

Spudded August 14, 1950
Completed December 12, 1950
Electric log made with Widco Logger
All depths are measured from the top of the surface pipe

GRAPHIC LOGS OF UMIAT TEST WELLS 3 TO 11

Logged by Florence P. Rucker and Thomas G. Roberts

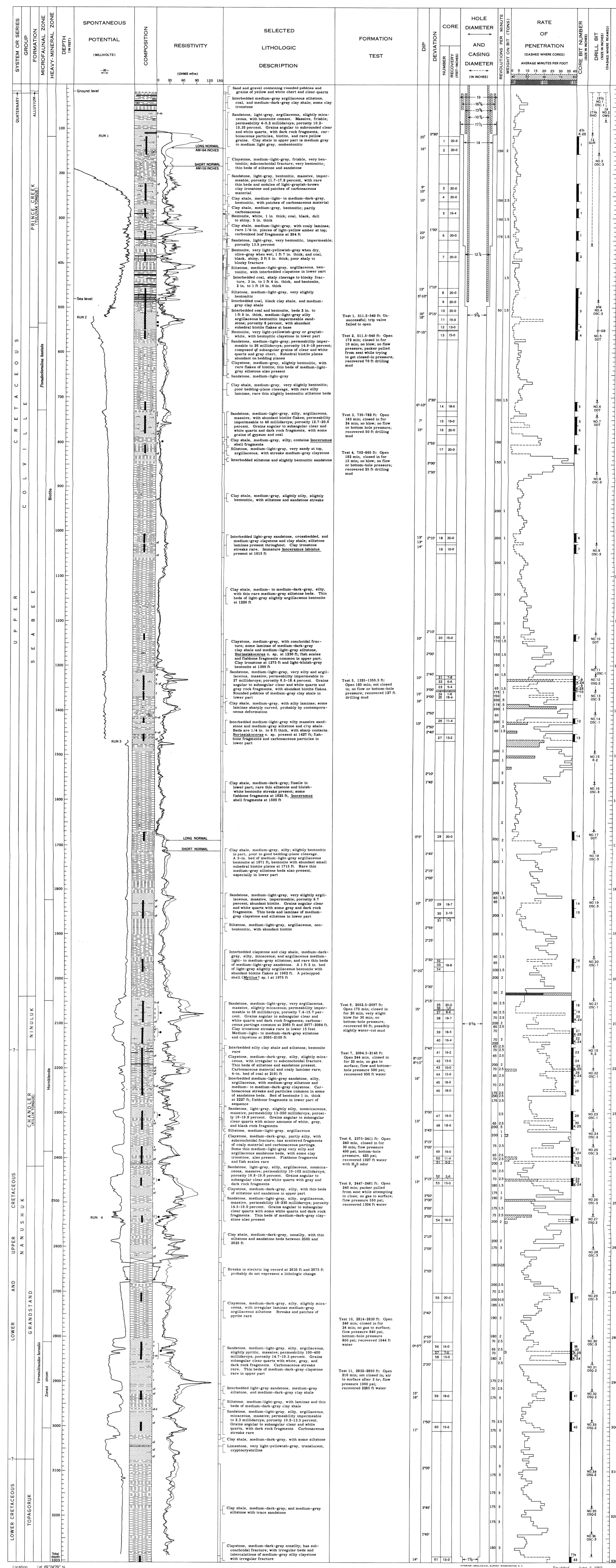
Drilling and engineering data supplied by Arctic Contractors
Colors were determined by comparison of dry samples with the National Research Council Rock Color Chart, 1948



UMIAT TEST WELL 10

Location Lat 69°24'04" N. Long 152°07'57" W.
Elevation Derrick floor 746 feet, Ground 741 feet
Total depth 1573 feet
Status Bailed 222 bbl per day, Plugged and abandoned

Spudded September 9, 1951
Completed January 10, 1952
All depths are measured from the top of the derrick floor



UMIAT TEST WELL 11

Location Lat 69°24'29" N. Long 152°05'58" W.
Elevation Kelly bushing 481 feet, Ground 464 feet
Total depth 3303 feet
Status Dry and abandoned

Spudded June 3, 1952
Completed August 29, 1952
Electric log by Schlumberger Well Surveying Corporation
All depths are measured from the top of the kelly bushing

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.