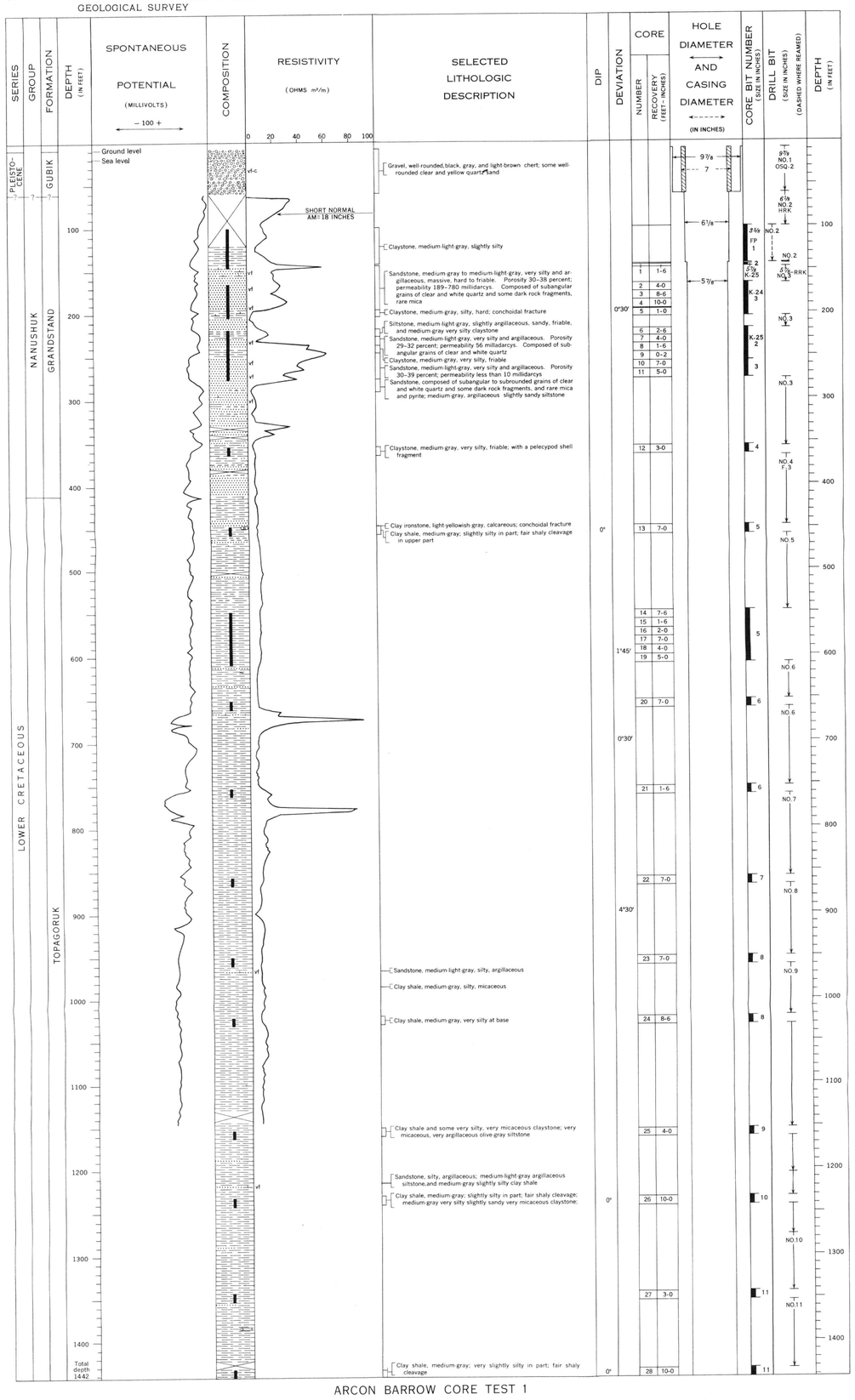
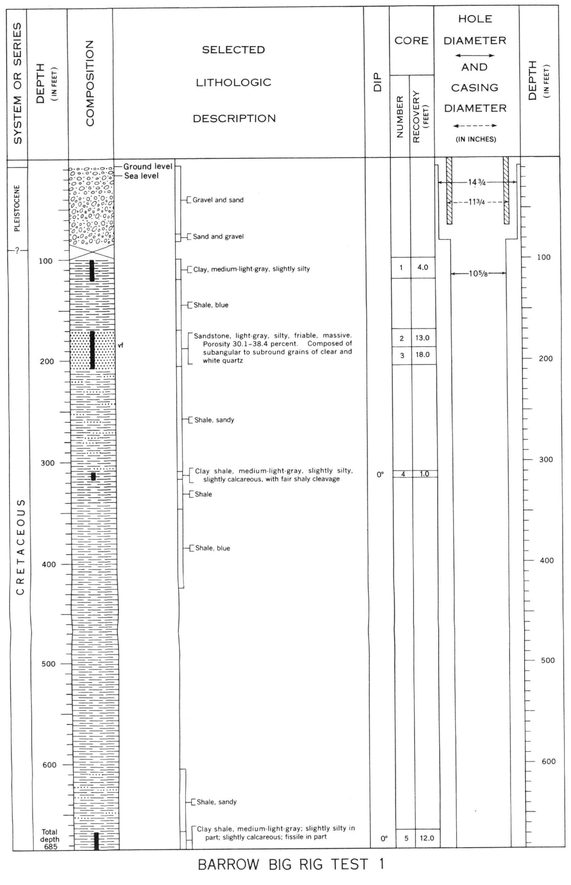
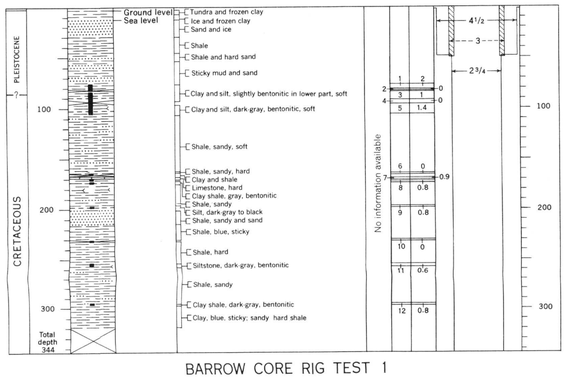


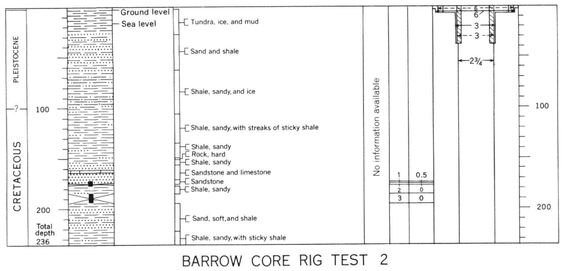
ARCON BARROW CORE TEST 1



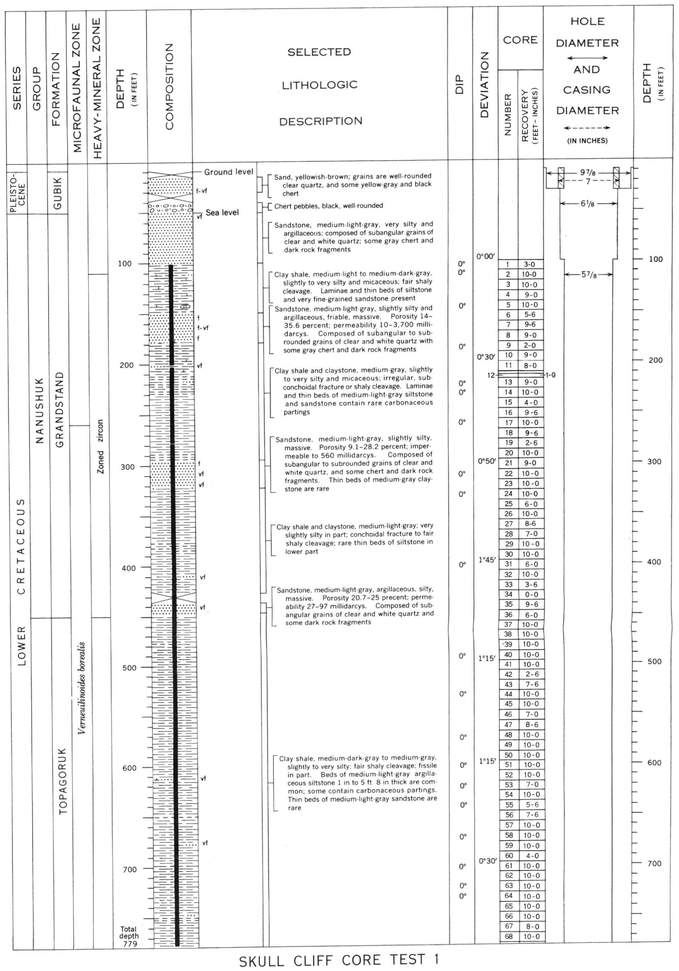
BARROW BIG RIG TEST 1



BARROW CORE RIG TEST 1



BARROW CORE RIG TEST 2



SKULL CLIFF CORE TEST 1

WELL NAME	LOCATION	ELEVATION	SPUDDED	COMPLETED	TOTAL DEPTH	STATUS
BARROW BIG RIG TEST 1	Lat 71°19'44"N. Long 156°40'06"W	Kelly bushing 16 feet Ground 8.5 feet	October 13, 1944	October 22,1944	685 feet	Dry and abandoned
BARROW CORE RIG TEST 1	Lat 71°19'25"N Long 156°39'02"W	Top surface pipe 13 ft. Ground 10.4 feet	September 17, 1944	October 7,1944	344 feet	Dry and abandoned
BARROW CORE RIG TEST 2	Lat 71°19'00"N Long 156°38'59"W	Swivel head (bot.) 15.75 ft. Ground 13.45 feet	October 9, 1944	October 17, 1944	236 feet	Junked and abandoned
ARCON BARROW CORE TEST 1	Lat 71°19'40"N Long 156°40'01"W	Kelly bushing 18.5 feet Ground 10.5 feet	March 29, 1947	May 3,1947	1,442 feet	Dry and abandoned
SKULL CLIFF CORE TEST 1	Lat 70°54'N Long 158°36'W	Kelly bushing 50 feet Ground 41 feet	February 2, 1947	March 17,1947	779 feet	Junked and abandoned

EXPLANATION

Conglomerate
Sandy siltstone
Calcareous clay shale or claystone
Cored interval
Sandstone
Calcareous siltstone
Limestone
No samples recovered
Silty sandstone
Clay shale or claystone
Argillite
vf Very fine grained
Calcareous sandstone
Sandy clay shale or claystone
Clay ironstone
f Fine grained
c Coarse grained
Siltstone
Silty clay shale or claystone
Bentonite
AM Electrode spacing

BIT SYMBOLS

DRILL BITS
OSQ-2 Hughes OSQ-2
HRK Hughes rock
RRK Reed rock

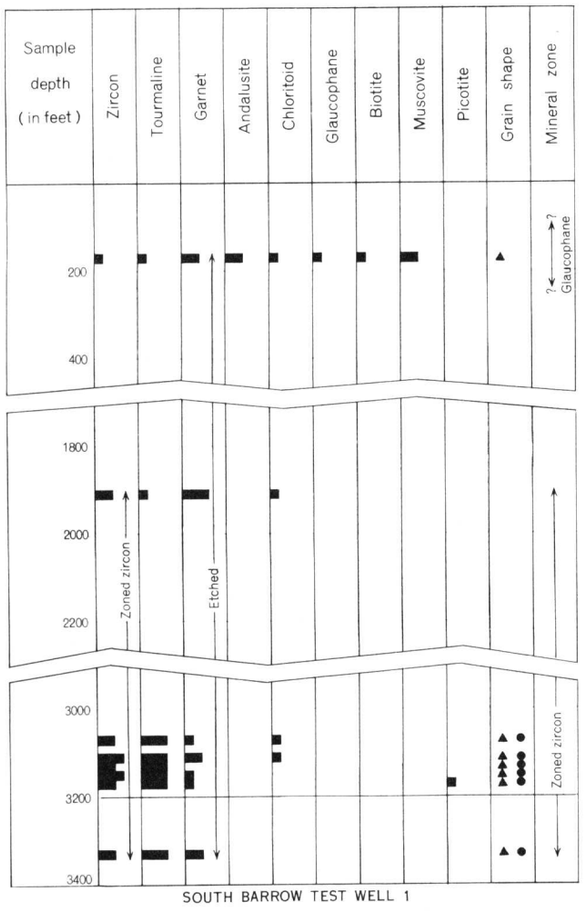
CORE BITS
FP Failing pilot
K-24 Reed K-24 hard formation
K-25 Reed K-25 soft formation

Drilling and engineering data compiled from records of Arctic Contractors.
Electric log by Schlumberger Well Surveying Corporation.
All depths are measured from the top of the kelly bushing.
Colors were determined by comparison of dry samples with the National Research Council Rock Color Chart, 1948.

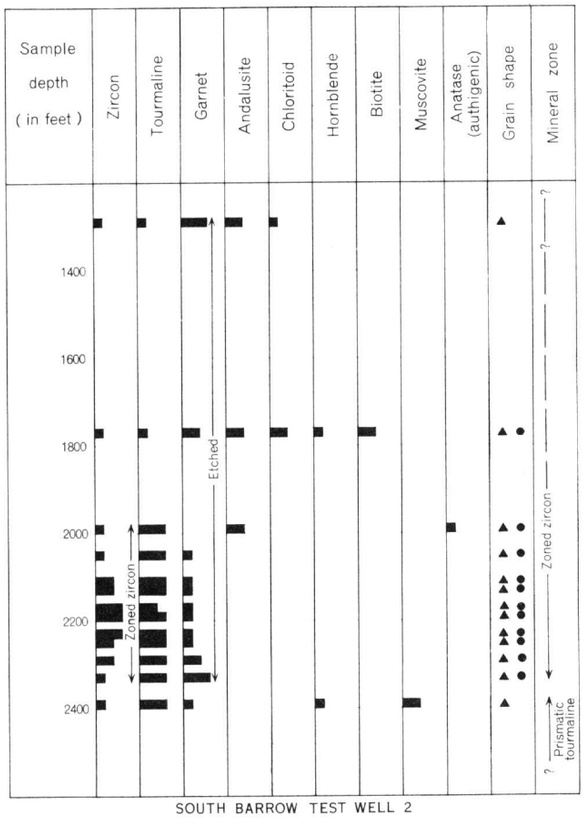
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—40220

GRAPHIC LOGS OF THE CONSTRUCTION BATTALION TEST HOLES ARCON BARROW CORE TEST 1, AND SKULL CLIFF CORE TEST 1

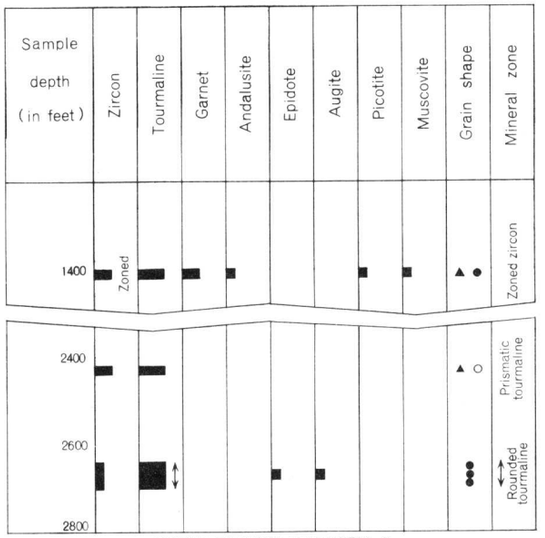
Compiled by Florence R. Collins, 1954



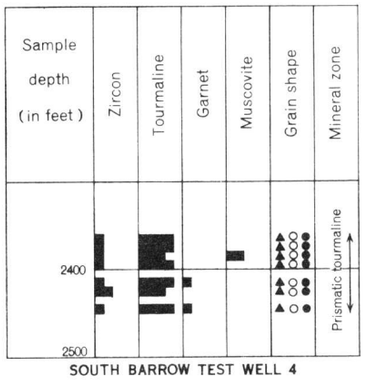
SOUTH BARROW TEST WELL 1



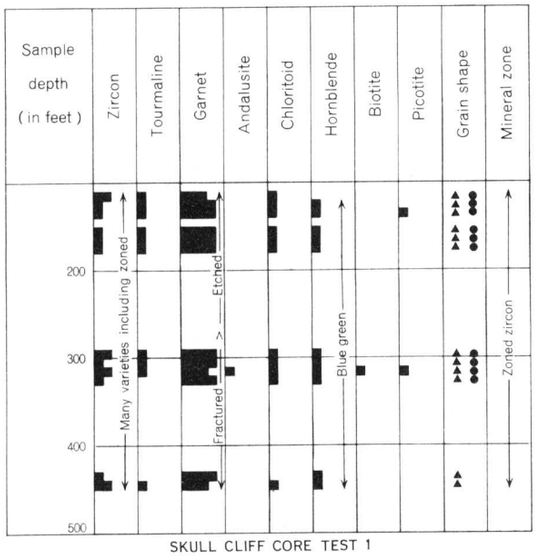
SOUTH BARROW TEST WELL 2



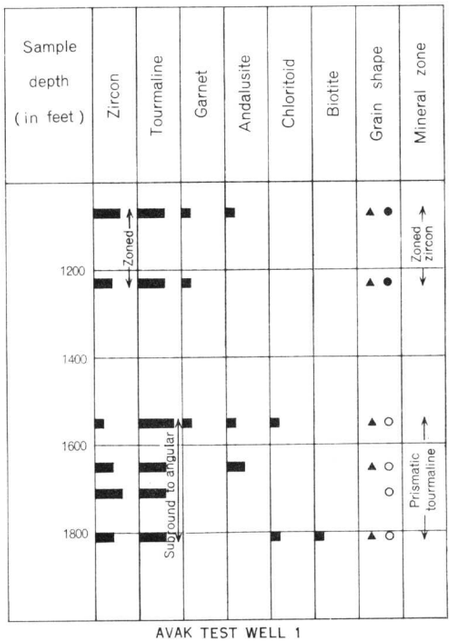
SOUTH BARROW TEST WELL 3



SOUTH BARROW TEST WELL 4



SKULL CLIFF CORE TEST 1



AVAK TEST WELL 1

EXPLANATION

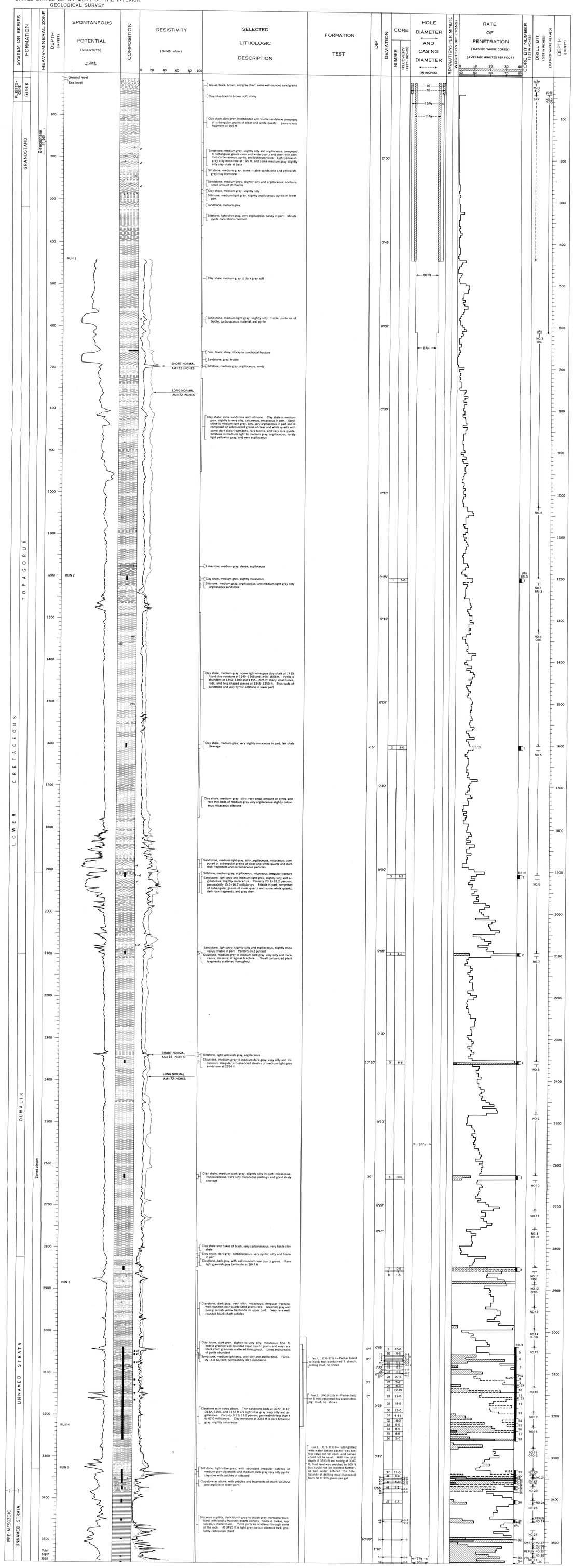
Rare, less than 10 percent
Common, 10 to 40 percent
Abundant, 40 to 80 percent
Flood, over 80 percent

Angular
Rounded
Subrounded

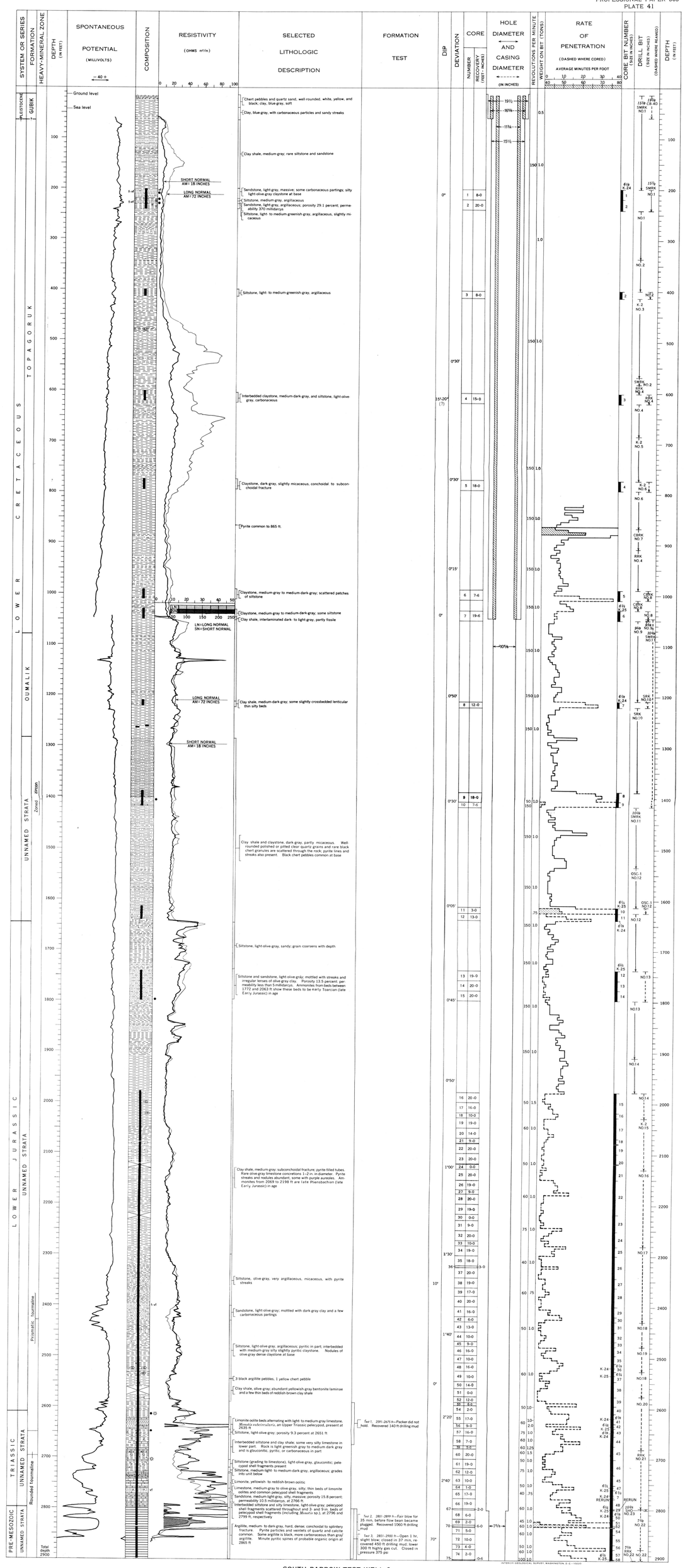
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—10220

Compiled by Robert H. Morris, 1954

RELATIVE ABUNDANCE OF HEAVY MINERALS IN SKULL CLIFF CORE TEST 1, SOUTH BARROW TEST WELLS 1, 2, 3, AND 4, AND AVAK TEST WELL 1



SOUTH BARROW TEST WELL 1



SOUTH BARROW TEST WELL 3

GRAPHIC LOGS OF SOUTH BARROW TEST WELLS 1 AND 3

Compiled by Florence R. Collins, 1954

EXPLANATION

- Conglomerate
- Sandstone
- Silty sandstone
- Calcareous sandstone
- Siltstone
- Sandy siltstone
- Calcareous siltstone
- Clay shale or claystone
- Sandy clay shale or claystone
- Silty clay shale or claystone
- Calcareous clay shale
- Limestone
- Sandy limestone
- Argillite
- Coal or carbonaceous material
- Clay ironstone
- Glauconite
- Bentonite
- Limonite oolite
- Cored interval
- No samples recovered
- Oil show
- Gas show
- Very fine grained
- Fine grained
- AM Electrode spacing

BIT SYMBOLS

DRILL BITS

BR-3 Barrett-Robishaw 3-way wire line

CB-4D Crum Brainard 4-way drag

CBRK Crum Brainard rock

D-3D Dunlap 3-way drag

OSC Hughes OSC

OSC-1 Hughes OSC-1

OSQ-2 Hughes OSQ-2

OWS Hughes OWS

W-7R Hughes W-7R

RRK Reed rock

R-3D Reed 3-way drag

2C Reed 2C

SHO Security hole opener

SRK Security rock

K-2 Smith K-2

SMRK Smith rock

CORE BITS

BRHF Barrett-Robishaw hard formation

BR-3 Barrett-Robishaw 3-way wire line

K-24 Reed K-24 hard formation

K-25 Reed K-25 soft formation

SOUTH BARROW TEST WELL 1

Location: Lat 71°19'12" N, Long 156°42'16" W
Elevation: Kelly bushing 18 feet, Ground 5 feet
Spudded: August 15, 1948
Completed: November 11, 1948
Total depth: 3,553 feet
Status: Dry and abandoned

SOUTH BARROW TEST WELL 3

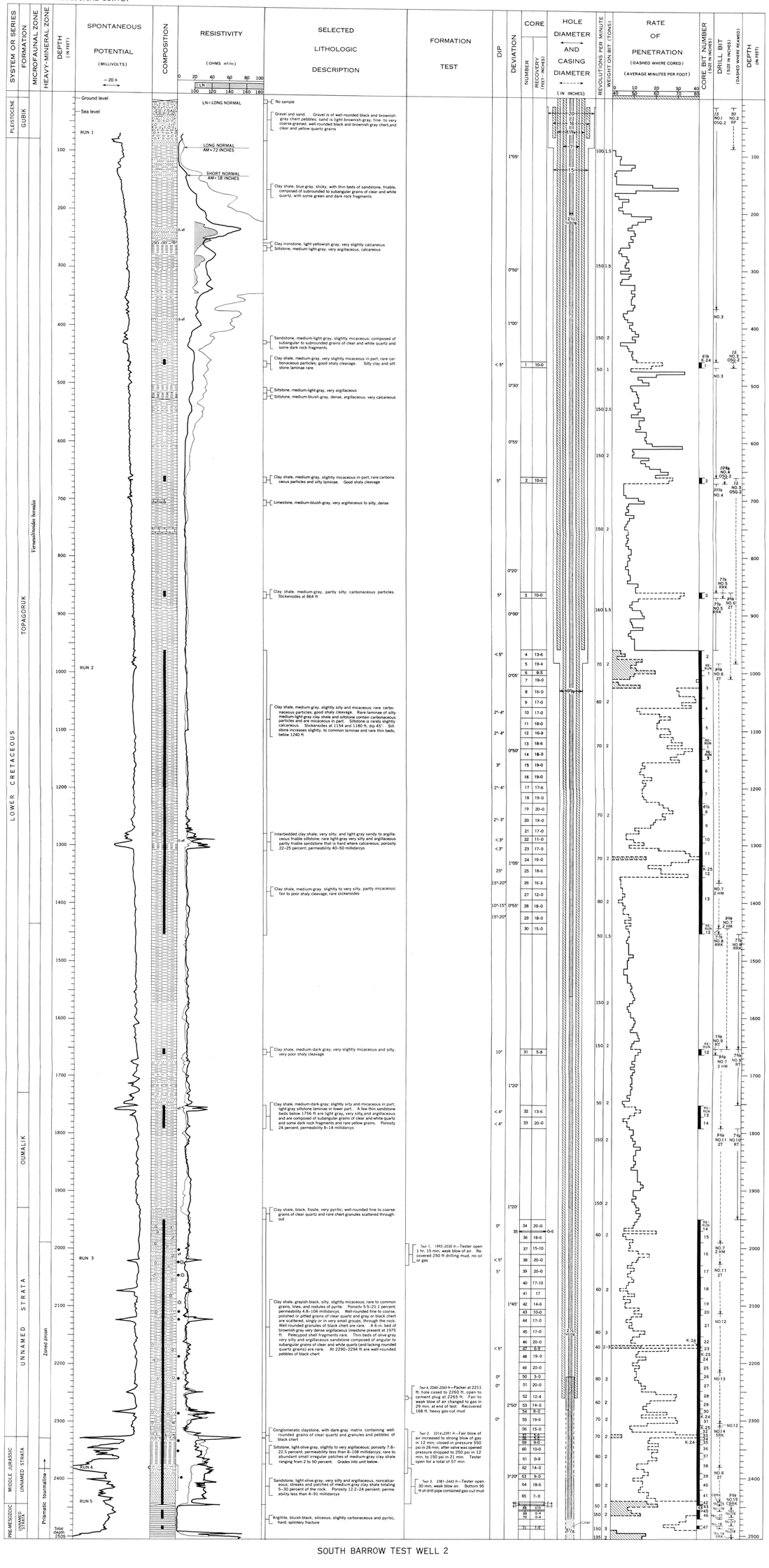
Location: Lat 71°09'47" N, Long 156°34'44" W
Elevation: Kelly bushing 44 feet, Ground 30 feet
Spudded: June 23, 1949
Completed: August 26, 1949
Total depth: 2,900 feet
Status: Dry and abandoned

Drilling and engineering data compiled from records of Arctic Contractors.

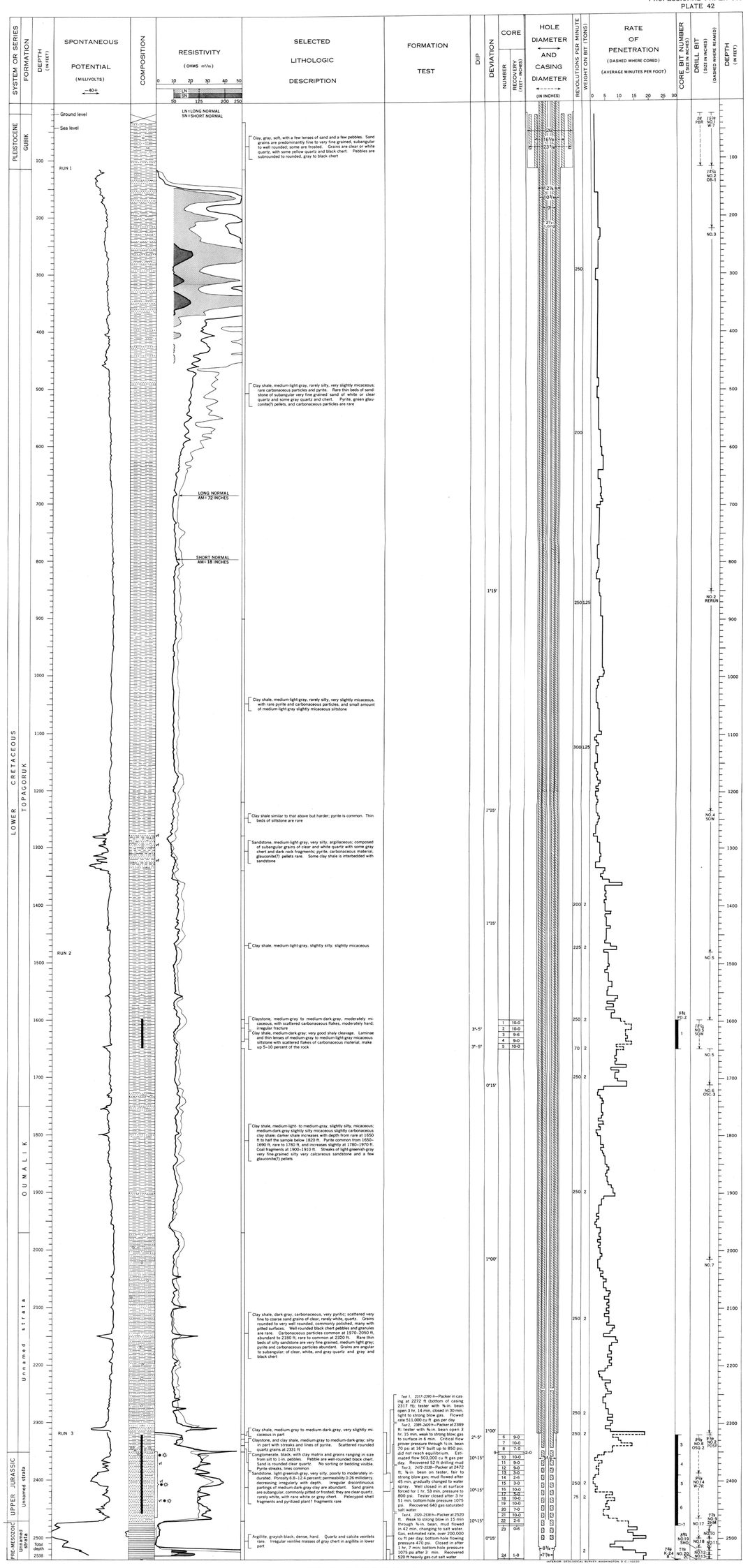
Electric log by Schlumberger Well Surveying Corporation.

All depths are measured from the top of the kelly bushing.

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



SOUTH BARROW TEST WELL 2



SOUTH BARROW TEST WELL 4

GRAPHIC LOGS OF SOUTH BARROW TEST WELLS 2 AND 4

Compiled by Florence R. Collins, 1954

EXPLANATION

- Gravel or conglomerate
- Sandstone
- Silty sandstone
- Calcareous sandstone
- Siltstone
- Sandy siltstone
- Calcareous siltstone
- Clay shale or claystone
- Sandy clay shale or claystone
- Silty clay shale or claystone
- Calcareous clay shale or claystone
- Limestone
- Argillite
- Clay ironstone
- Cored interval
- No samples recovered

Oil show
Gas show
vf Very fine grained
f Fine grained
AM Electrode spacing

BIT SYMBOLS

DRILL BITS

CBRK Crum Brainard rock
OSC-3 Hughes OSC-3
OSQ-2 Hughes OSQ-2
W-7 Hughes W-7
W-7R Hughes W-7R
RP Reed pilot
RRK Reed rock
RT Reed T
PDSF Reed wire line PD soft formation
2C Reed 2C
2 HM Reed 2 HM
2T Reed 2T
SHO Security hole opener
OB-1 Security OB-1
SOW Security OW
PBR Security PBR hole opener
SRK Security rock

CORE BITS

K-24 Reed K-24 hard formation
K-25 Reed K-25 soft formation
PD-2 Reed wire line PD-2

SOUTH BARROW TEST WELL 2

Location: Lat 71°15′49″ N, Long 156°38′03″ W
Elevation: Kelly bushing 34.5 feet, Ground 23.5 feet
Spudded: December 16, 1948
Completed: April 15, 1949
Total depth: 2,505 feet
Status: Gas well, junked and abandoned

SOUTH BARROW TEST WELL 4

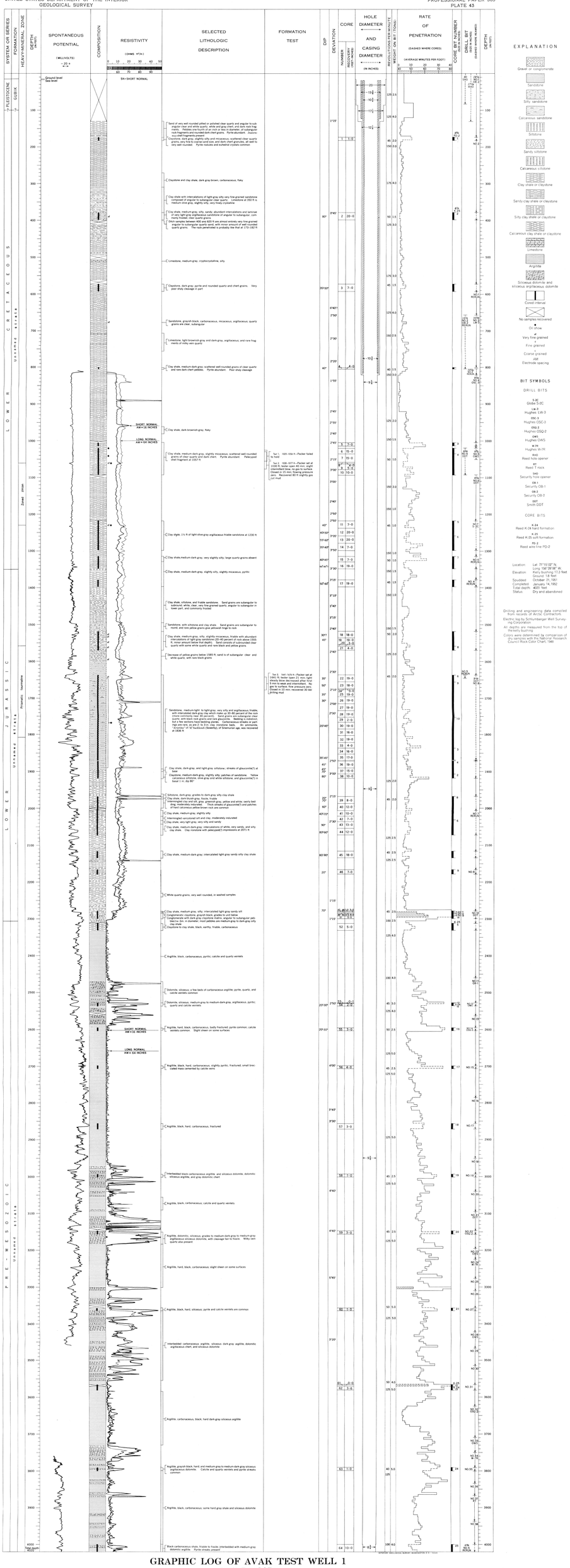
Location: Lat 71°15′51″ N, Long 156°37′50″ W
Elevation: Kelly bushing 43 feet, Ground 24 feet
Spudded: March 9, 1950
Completed: May 9, 1950
Total depth: 2,538 feet
Status: Shut in gas well; produced 1,805,000 cubic feet per day

Drilling and engineering data compiled from records of Arctic Contractors.

Electric log by Schlumberger Well Surveying Corporation.

All depths are measured from the top of the kelly bushing.

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



EXPLANATION

Gravel or conglomerate
Sandstone
Silty sandstone
Calcareous sandstone
Siltstone
Sandy siltstone
Calcareous siltstone
Clay shale or claystone
Sandy clay shale or claystone
Silty clay shale or claystone
Calcareous clay shale or claystone
Limestone
Argillite
Siliceous dolomite and siliceous argillaceous dolomite
Cored interval
No samples recovered
Oil show
Very fine grained
Fine grained
Coarse grained
AM Electrode spacing

BIT SYMBOLS

DRILL BITS

S-3C Globe S-3C
Lw-3 Hughes LW-3
OSC-3 Hughes OSC-3
OSQ-2 Hughes OSQ-2
OWS Hughes OWS
R-7R Hughes W-7R
RHO Reed hole opener
RT Reed T rock
SHO Security hole opener
OB-1 Security OB-1
OB-2 Security OB-2
SDT Smith EDT

CORE BITS

K-24 Reed K-24 hard formation
K-25 Reed K-25 soft formation
FD-2 Reed wire line FD-2

Location: Lat. 71°15'02" N. Long. 156°28'36" W.
Elevation: Kelly bushing 17.3 feet above sea level
Spudded: October 21, 1961
Completed: January 14, 1962
Total depth: 4001 feet
Status: Dry and abandoned

Drilling and engineering data compiled from records of ArcticContractors

Electric log by Schlumberger Well Surveying Corporation

All depths are measured from the top of the kelly bushing

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

GRAPHIC LOG OF AVAK TEST WELL 1

Logged by Florence R. Collins