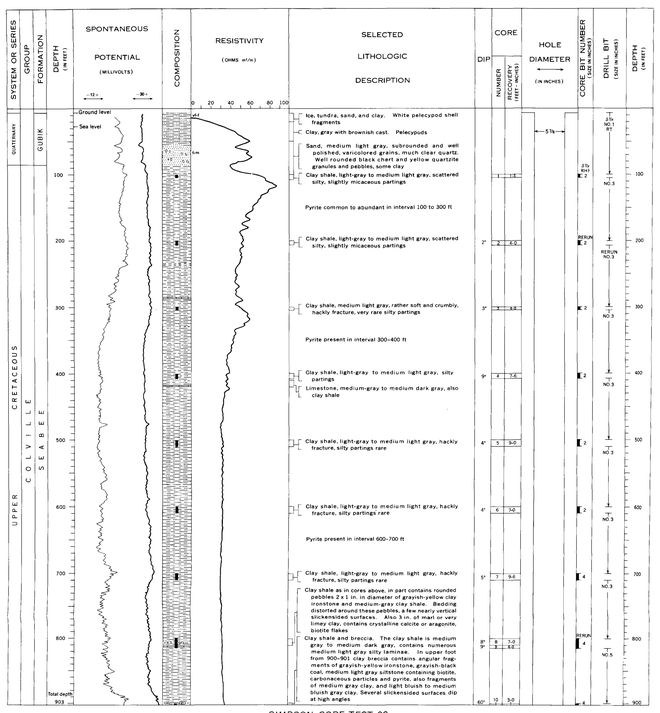
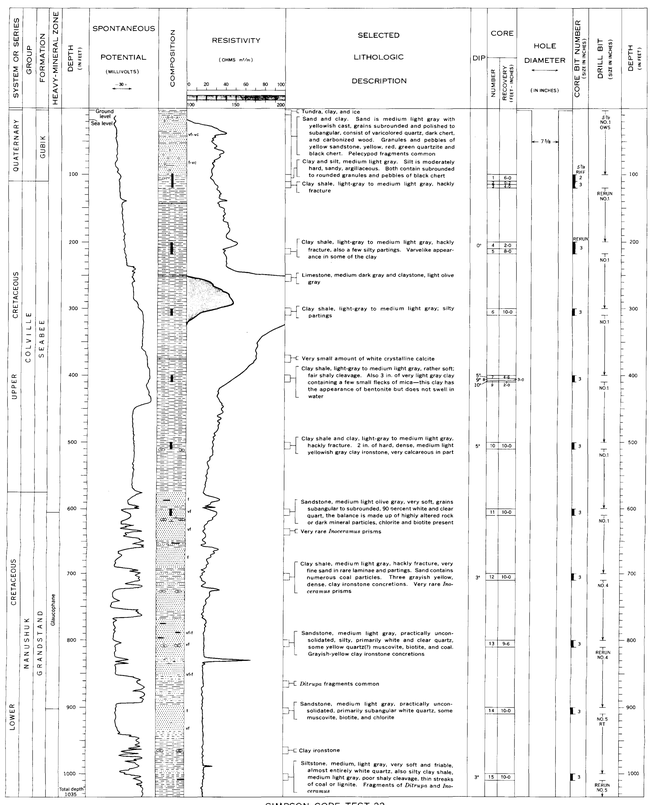
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROPERTY OF
PUBLIC INQUIRIES OFFICE
U. S. GEOLOGICAL SURVEY
ANCHORAGE, ALASKA

PROFESSIONAL PAPER 305-L
PLATE 46



SIMPSON CORE TEST 22



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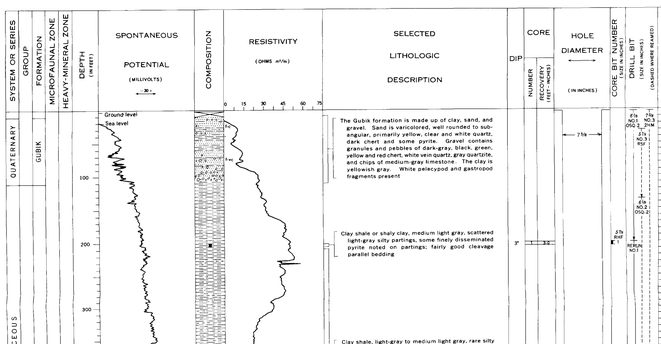

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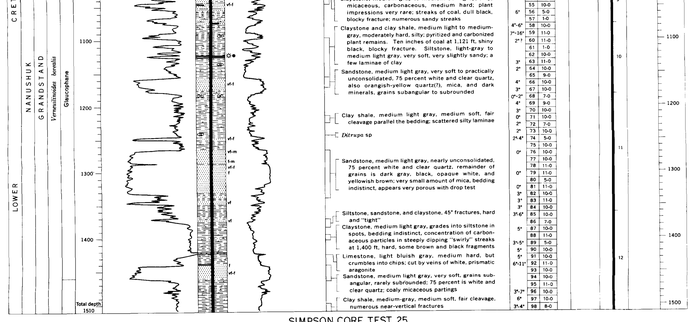

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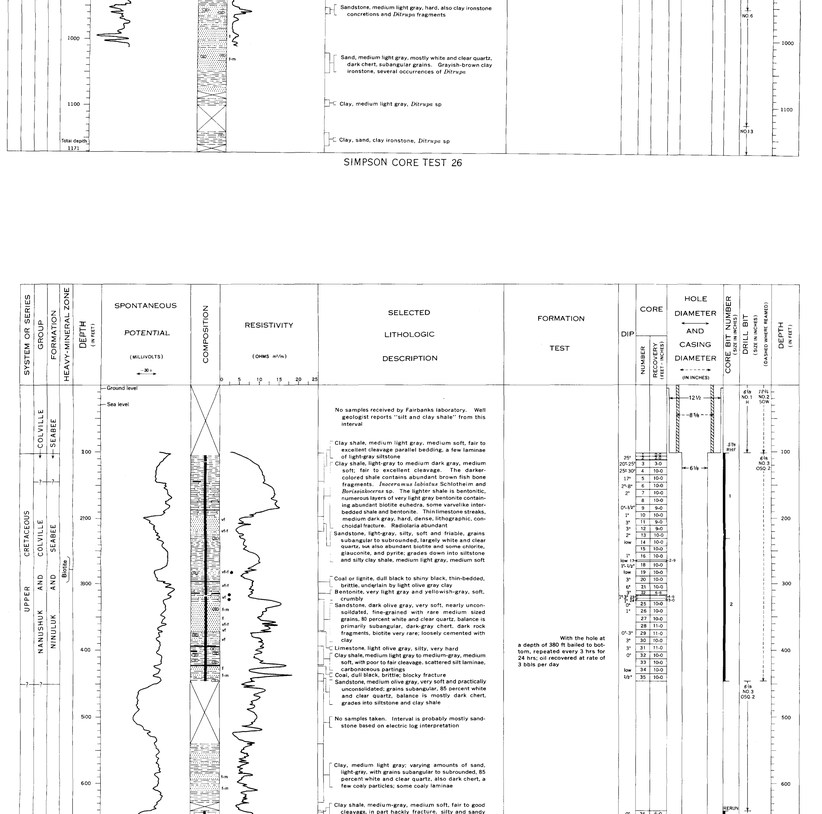

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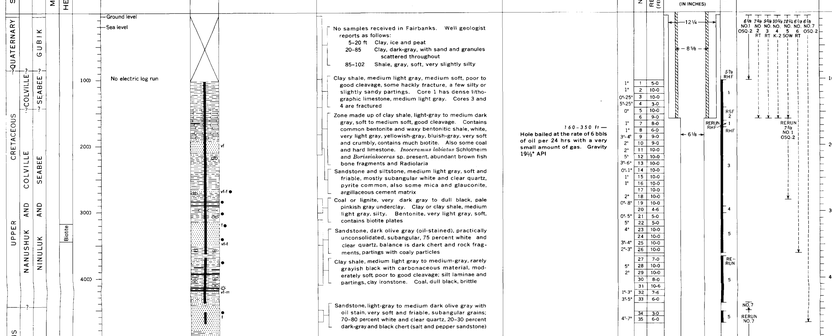

SIMPSON CORE TEST 27

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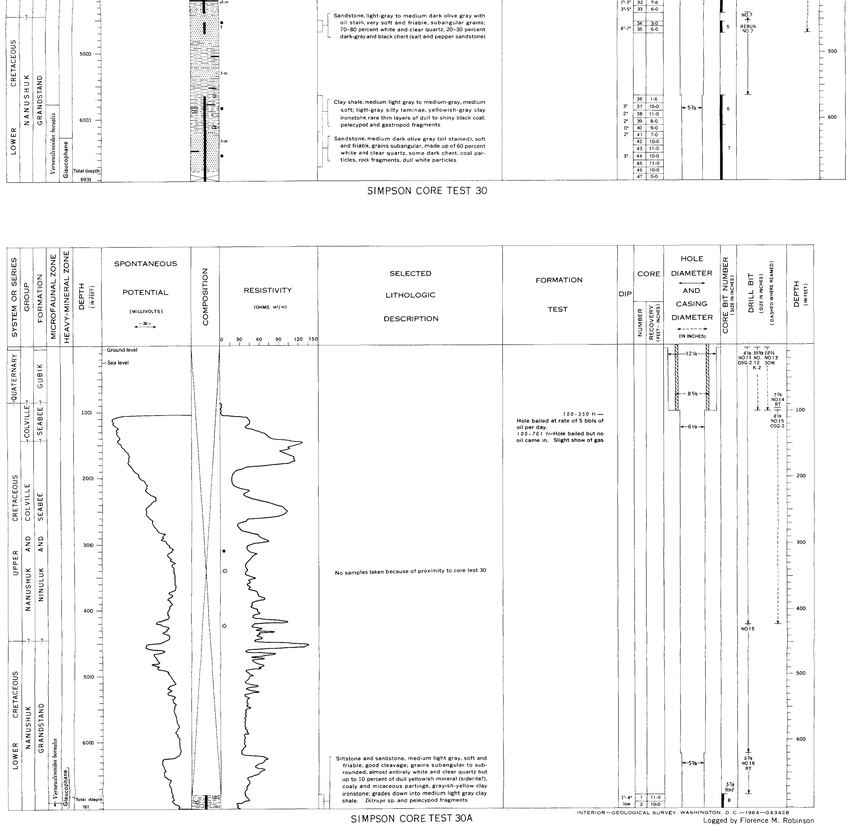
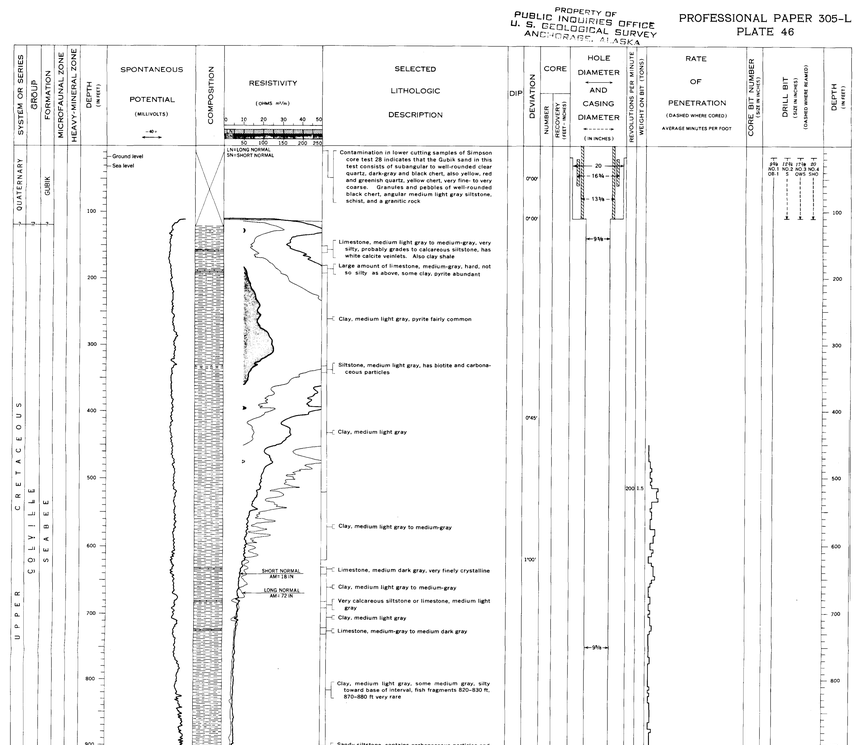


SIMPSON CORE TEST 30A



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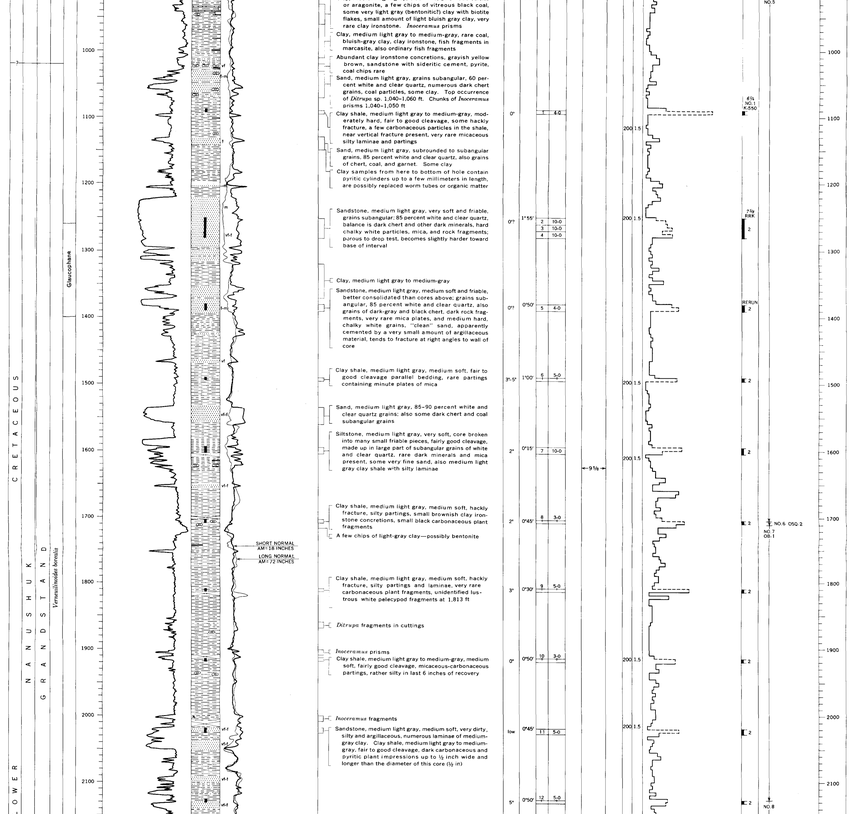

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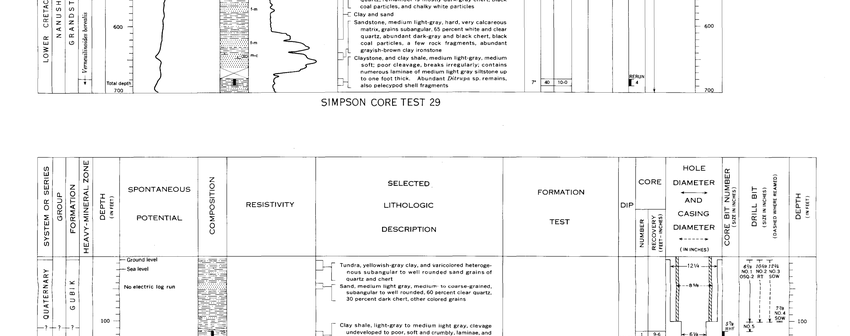

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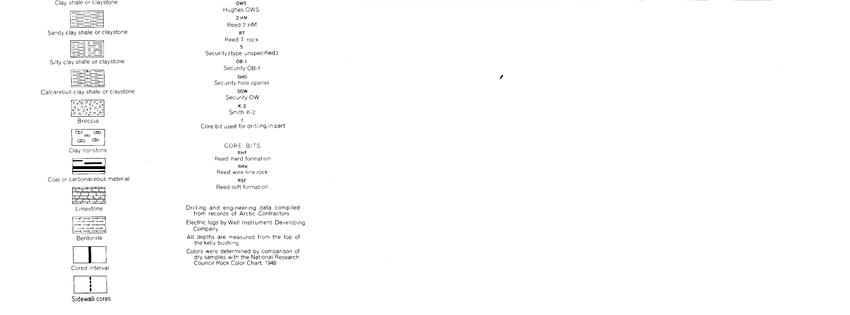

SIMPSON CORE TEST 32

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 or claystone
Breccia
Clay ironstone
Coal or carbonaceous material
Limestone
Bentonite
Cored interval
Sidewall cores

No samples recovered
Oil show
Gas show
Very fine grained
f
Fine grained
m
Medium grained
c
Coarse grained
vc
Very coarse grained
AM
Electrode spacing

BIT SYMBOLS
DRILL BITS
FD
Fairing pilot
H
Hughes (type unspecified)
OSC-2
Hughes OSC-2
OWS
Hughes OWS
2-W
Reed 2 HM
RT
Reed 7 rock
Security (type unspecified)
OB-1
Security OB-1
SHO
Security hole opener
SOW
Security OW
K-2
Smith K-2
Core bit used for drilling in part

CORE BITS
RWF
Reed hard formation
RRK
Reed wire line rock
RSF
Reed soft formation

Drilling and engineering data compiled from records of Arctic Contractors
Electric logs by Well Instrument Developing Company
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

CORE TEST	LOCATION	ELEVATION	SPUDDED	COMPLETED	TOTAL DEPTH	STATUS
22	Lat. 70°59'28"N Long. 154°36'15" W.	Kelly bushing,25 feet Ground,20 feet	October 29, 1949	November 5,1949	903 feet	Dry and abandoned
23	Lat. 71°01'04"N Long. 154°38'02" W.	Kelly bushing,18 feet Ground,13 feet	November 8,1949	November 16,1949	1,035 feet	Dry and abandoned
24	Lat. 71°01'46"N Long. 154°33'01" W.	Kelly bushing,31 feet Ground,8 feet	November 22,1949	November 28,1949	901 feet	Dry and abandoned
25	Lat. 70°56'07"N. Long. 154°42'12"W.	Kelly bushing,30 feet Ground,17 feet	July 3, 1950	August 12,1950	1,510 feet	Dry and abandoned
26	Lat. 70°56'09"N Long. 154°41'04"W.	Kelly bushing,25 feet Ground,20 feet	August 13,1950	October 23, 1950	1,171 feet	Initial production 110 barrels of oil per day Shut-in
27	Lat. 70°56'07"N Long. 154°40'04"W.	February 8,1951	March14,1951	1,500 feet	Abandoned	
28	Lat. 70°59'28"N Long. 154°40'16"W.	Kelly bushing,32 feet Ground,20 feet	September 5,1950	September 24,1950	2,505 feet	Dry and abandoned
29	Lat. 70°56'47"N. Long. 154°42'31"W.	Kelly bushing,25 feet Ground,20 feet	October 31,1950	November 26,1950	700 feet	Dry and abandoned
30	Lat. 70°59'57"N. Long. 154°40'20"W.	Kelly bushing,25 feet Ground,20 feet	November 30,1950	January 23,1951	693 feet	Junked and abandoned
30A	Lat. 70°59'49"N. Long. 154°40'41"W.	Kelly bushing,25 feet Ground,20 feet	January 23,1951	February 5,1951	701 feet	Dry and abandoned
31	Lat. 70°57'37"N. Long. 154°37'46"W.	Kelly bushing,19 feet Ground,14 feet	March 30,1951	April 2,1951	355 feet	Initial production 120 barrels of oil per day 2000 to 4000 cubic feet of gas per day Shut in

GRAPHIC LOGS OF SIMPSON CORE TESTS 22–31, ALASKA

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G63428

Logged by Florence M. Robinson