

BRAD HUTCHINSON

119 EVES DRIVE
RUSSELL, KANSAS 67865

785-480-04

GEOLOGIST'S REPORT

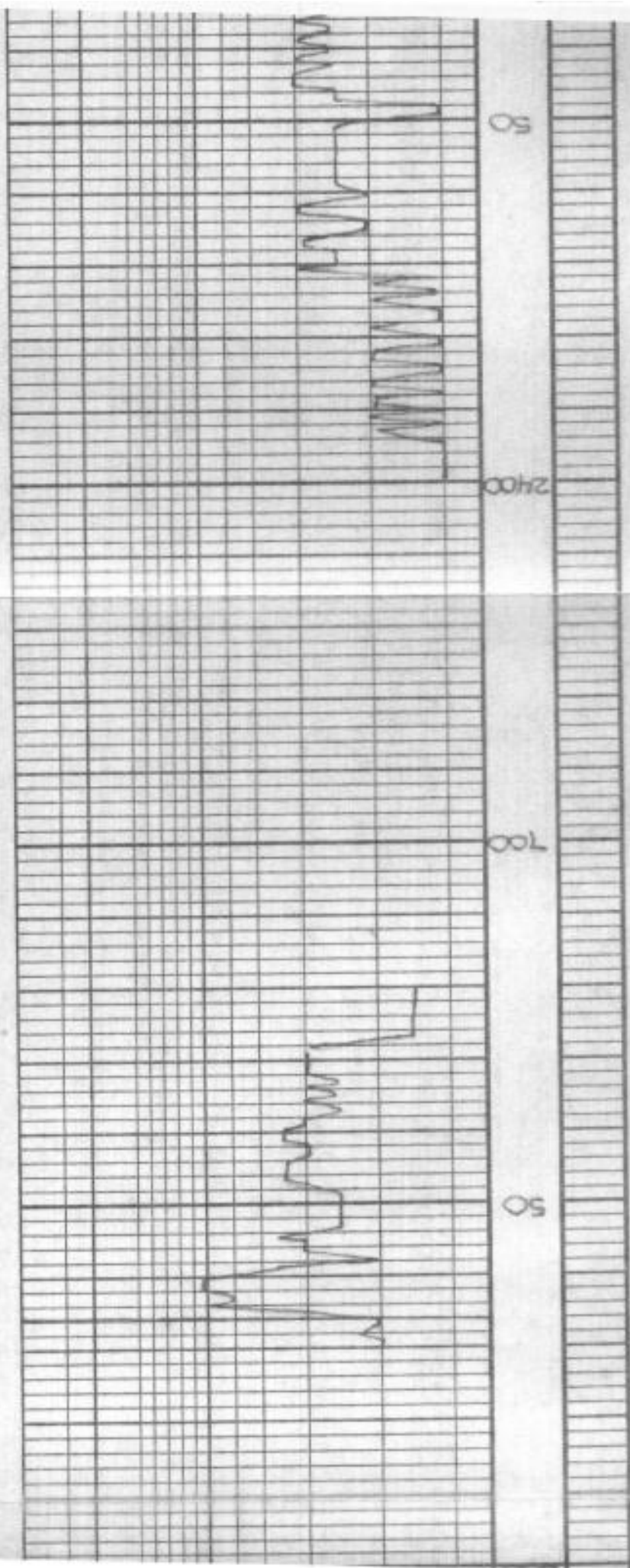
DRILLING TIME AND SAMPLE LOG

COMPANY Brunswick Oil & Leasing, Inc. ELEVATIONS:
 LEASE KATHLEEN #1 KB 1597'
 FIELD _____ DF _____
 LOCATION 2070' FNL, 330' FEL GL 1589'
 SEC 33 TWP 12S RGE 14W
 COUNTY Russell STATE KANSAS
 CONTRACTOR Discovery Drilling SURFACE CASING
 SPUD 12/21/2017 COMP 7/21/2017 PRODUCTION None
 RTD 2980' (-1383) LTD _____ ELECTRICAL SURVEY
 MUD UP 2400' TYPE MUD GENERAL None

SAMPLES SAVED FROM _____ TO _____ RTD
 DRILLING TIME KEPT FROM _____ TO _____ RTD
 SAMPLES EXAMINED FROM 2400' TO RTD
 GEOLOGICAL SUPERVISION FROM _____ TO _____ RTD
 GEOLOGIST ON WELL Brad S. Hutchinson

FORMATION TOPS	LOG	SAMPLES	
Amyrite		634 (-1963)	
Lopika		2490 (-893)	
Trento		2729 (-1152)	
Hepler		2711 (-1114)	
Amisak		2760 (-1109)	
Keokuk Total		2980 (-1383)	
Depth			33

ANALYDRITE 634 (+963)



50

100

2400

8

051-2
 30.30
 CF. VER.
 EF NO.
 REC. 15
 RESP.
 RESP.
 RESP.
 RESP.
 RESP.
 15M 11
 CHART

Same as
 Sh grey - 4 gms
 waxy
 L2 grey D2e Bucky
 NS
 12 white - 4m ENX-ONE
 000-8000 18 4m POC
 PP 2 5pt 15 5m
 NEN 5t odor
 Sh and brand with max
 blk carb.

L2 buff. 14 gms 001-001
 L2 solid 5m 001 001-501
 L2 11 001 001

