

Roger L. Fisher
CONSULTING GEOLOGIST
 Phone: 316-214-2043

GEOLOGIST'S REPORT
 DRILLING TIME AND SAMPLE LOG

COMPANY CGD:1 Co, LLC

LEASE MRS. #1

FIELD _____

LOCATION NW - NW - SE/4

SEC 22 T13SP 13S RGE 16 W

COUNTY Ellis STATE Kansas

CONTRACTOR Duke Rig #2

SPUD 8-9-19 COMP 8-15-19

RID 351D LTD 3512

MUD UP 2800 TYPE MUD Chem

SAMPLES SAVED FROM 2900

DRILLING TIME KEPT FROM 2850

SAMPLES EXAMINED FROM 2850

GEOLOGICAL SUPERVISION FROM 2800

GEOLOGIST ON WELL Roger L. Fisher

ELEVATIONS

KB 1954

DF 1952

GL 1946

Measurements Are All From KB

CASING
 SURFACE 1063 of 8 5/8"
 PRODUCTION 3510 of 5 1/2"
 ELECTRICAL SURVEYS
 DIL/MEL
 CBL/CNL

TO TD

TO TD

TO TD

TO TD

FORMATION TOPS	LOG	SAMPLES
----------------	-----	---------



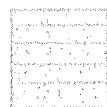

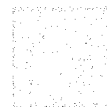
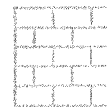
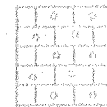

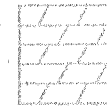
<u>Topokg</u>	<u>2919 - 965</u>	
<u>Hb Shale</u>	<u>3142 - 1188</u>	
<u>For onto</u>	<u>3161 - 1207</u>	
<u>Lansing</u>	<u>3188 - 1234</u>	
<u>B/WC</u>	<u>3425 - 1471</u>	
<u>Cg sd</u>	<u>3451 - 1497</u>	
<u>Air buckle</u>	<u>3468 - 1514</u>	
<u>LTD</u>	<u>3512 - 1558</u>	

REMARKS

Casing was Run to Further Test

Run 7 feet

LEGEND

								
Anhydrite	Salt	Sandstone	Shale	Carbonate	Limestone	Oolitic Lims	Chert	Dolomite

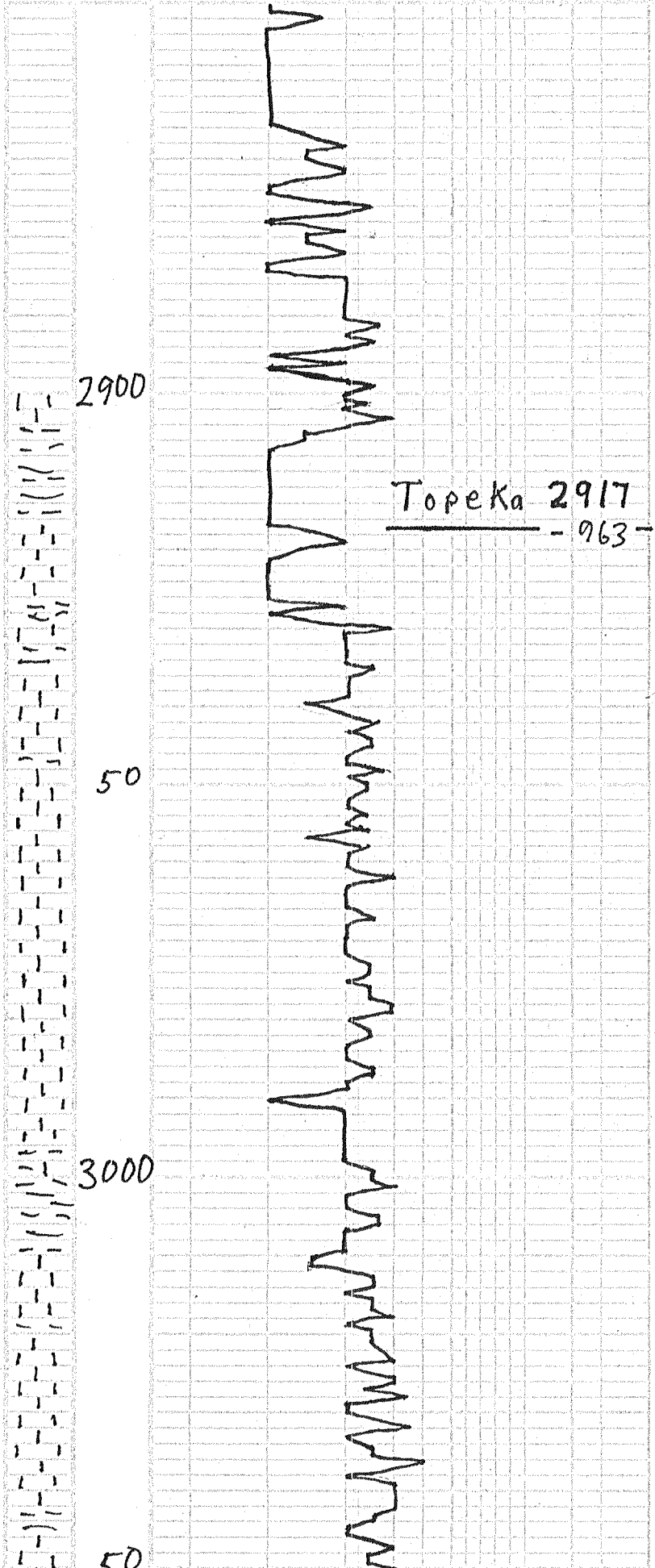
DRILLING TIME

LITHO DEPT

5 1 2 3 4 5 10 15 20 30

SAMPLE DESCRIPTIONS

REMARKS



Ls gy tan foss dense
vtxln to txh poor
N.S.

sh lt gn gy mica
sst wh vt gn mica shale
inclusions

Ls wh vtxln chalky
ool + foss F& N.S.

Ls gy vtxln ool
pø N.S

Ls crm wh fxln sli
foss pø some chalky
N.S.

Ls wh lt gy vtxln
sli foss chalky N.S.

Ls crm gy sli foss
dense N.S.

sh blk
sh lt gn lt dk gy

Ls wh vtxln chalky

Ls wh vtxln chalky
ch wh lt gy N.S.

Ls wh lt crm fxln
sli foss chalky to dense
N.S.

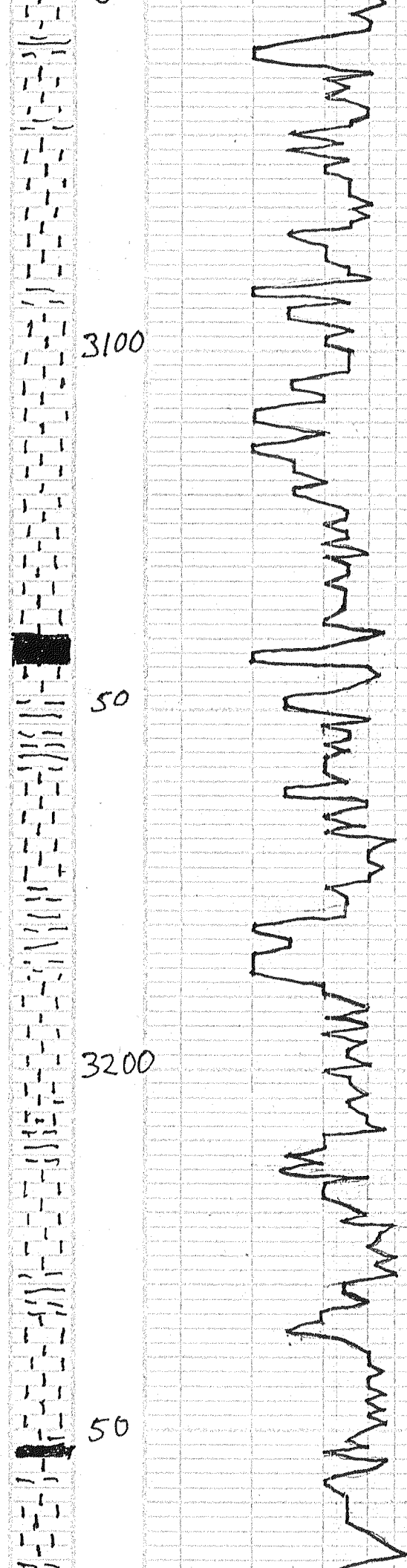
2900

50

3000

50

Topeka 2917
- 963 -



sh Blk

Ls gy vfxln dense N.S.

Ls wh lt gy vfxln
chalky slich & sli foss & ool
N.S.

Ls tan fxln foss
P & N.S

Ls crm fxln ool
chalky Fint ool &
N.S

Ls sli foss dense N.S

sh Blk

sh lt gh gy

Ls wh fxln foss slich &
chalky P pin PT & scatt vugs
poor sptd ST VSSFD
No odor
sh lt to dk gy gh

Ls wh fxln ool Fint ool
& scatt vugs sptd to Sat stain
FSGFO Gd Odor Sli ch &

Ls wh fxln sli ool moldic
ool poor pin PT & F sptd
ST FSFO Gd Odor

Ls wh fxln sli foss
ch & dense P int foss &
LT sptd ST Trace FO
No odor

Ls wh fxln P pin PT &
F Sat ST Sli Odor

3100

50

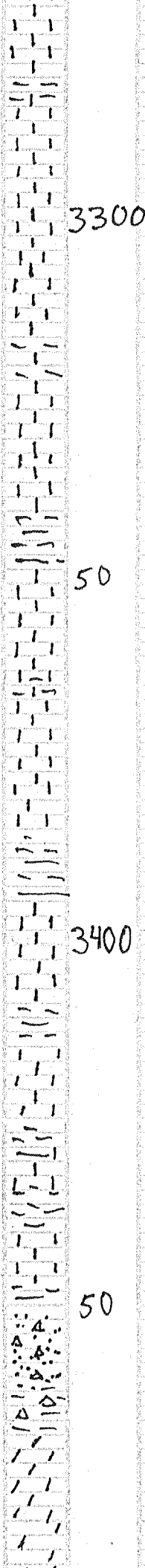
Hb Shale
3139 - 1185

Toronto
3159 - 1205

Lansing
3187 - 1233

3200

50



Ls Lt tan ool F sptd
 pin pt & ST FSFO
 sli odor

Ls wh crm vtxln
 chalky sli chd wh
 lt gy N.S.

Ls lt gy tan vtxln
 dense chd

Ls lt gy tan fxl
 sli foss sli chd sli ST
 on edge P & faint odor
 VSSFO

Ls wh fxl foss Fint foss &
 sptd to sat ST FSFO Gd Odor
 sli chd

Ls wh foss sptd to sat ST
 FSFO sli chalky

Ls wh ool sub chalky
 lt sptd ST scatt F pin pt
 & SSFO Fair Odor

sh/BK lt to dk gy
 lt gn

Ls lt tan gy vtxln
 sli foss dense chd gy wh

Ls tan dk tan vtxln
 foss dense poor &
 v colored chert

Ls dk gy blueish
 vtxln dense

sh red gy gn
 Ls cxln vugs dk sptd ST
 dk heavy oil P pin pt &
 F odor

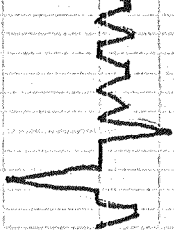
Loose ssgn VF-mgn clean
 rounded chd ool wh orange
 gy Fresh some weathered trip
 P pin pt & BK Residue faint
 odor

Dol crm lt tan sandy
 sucrosic Fint xln & sli
 chd Friable LT SAT ST TO sptd
 SSFO sli odor

B/KC 3424
 -1470

Cg Sd 3451
 -1497

Arkuckle
 3468
 -1514



RTD 3510
-1456

Dol wh Fxm F~~B~~ intxn
F sp+d ST SSFD si odor
Dol wh ltan mxm
cha si sp+d ST
Y SSFD Faint odor