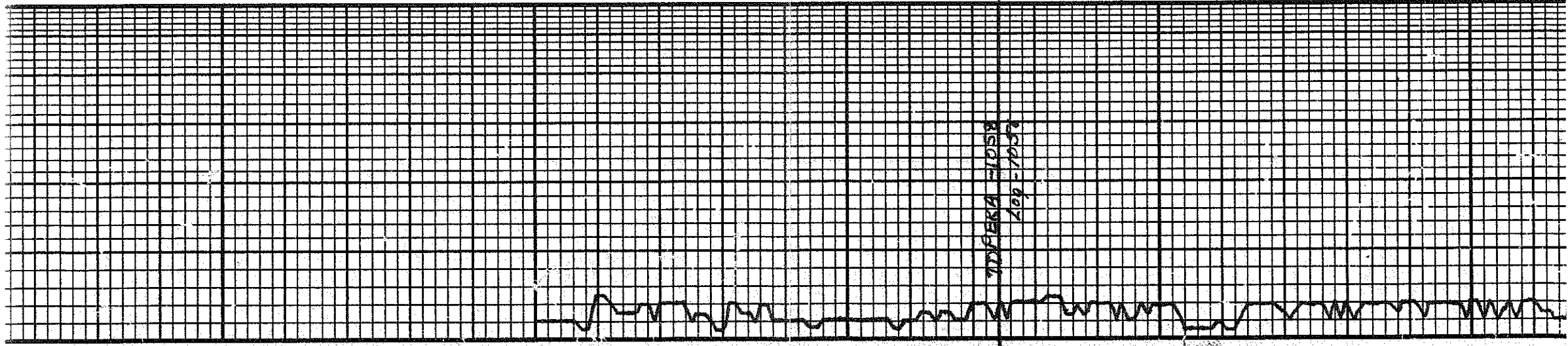


3050

3100

50

3100



TDFERA FIDSR  
209-7053

50

3300

50

3400

50

MEDANER - 1312  
109-308

TORONTO - 1315  
109-330

LAKE - 1331  
109-334

Ls, gray-tan, mst fr xyln, pr  
w/pt of sh. p. s. local - base of  
Pr. int. pos. p. ALL NS.

SH BRU CARB

DNS BRN LS

SH. mstly co, smply. base of  
sticky, clayey

Ls show fr xyln, pr 1x4/8  
N.S. w/pt of

gray sh

DNS BRN LS. NO. NS

SH GRAY BRU

gray, dk gray

Ls gray. Brn. fr xyln,  
tight, pr 1x4/8. NS  
fine wh - 9-10 ch

SW RD GRAY

Ls cl. tan sm to 100-200 m  
v. d. ooc. of. friable NS

fr. pos. fr xyln wh, pr. p.  
NS. 1/2 ch

3500

50

3600

50

3700

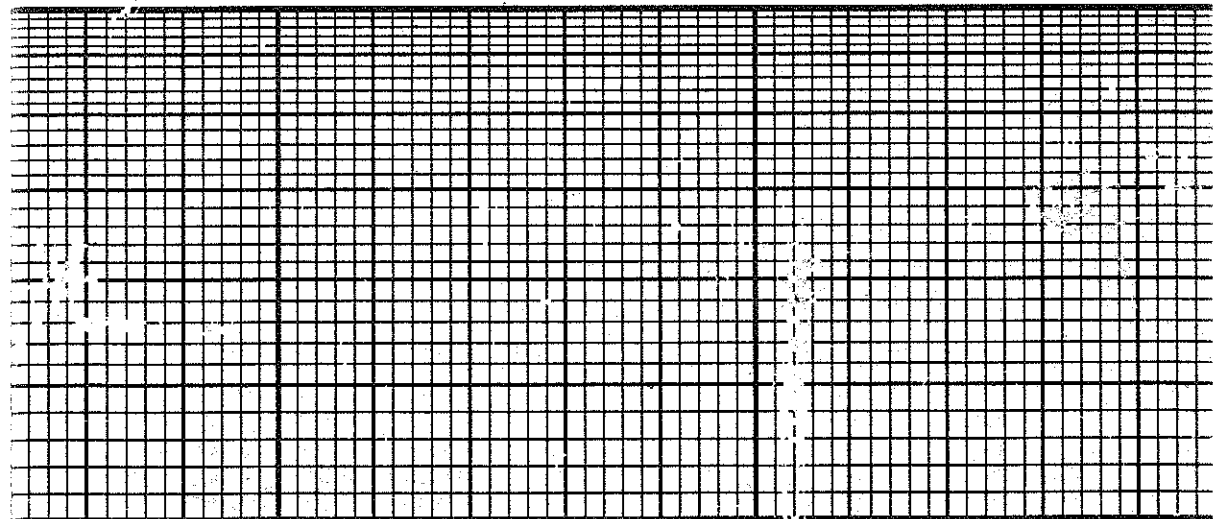
BAC - 1598  
109 - 1596

Sh gray, dk gray, red	LS TAN - DK GRAY. SM S/OOL-FOSS
	SM fuxylu dms fr - pricyl dms
	LS, wh, pr - gd vuggy & rxy/0
	food, fr show hvy rary frce on
	v BLK, w/ BLK - havy STnding dms
	SH BLK CARB V DUGAL
	LS TAN, SM FOSS, OOL, SMOCKING
	90 int foss, rary, fr, in 1/6 dms
	w/ BLK TARRY STB, dead blk sh no ad
	frngy fr. m. 1/2 schd ool p NES
	DK GRAY - BRN SH
	CHKY TAVES
	LS WH TAN, SM ANKY, rary
	pricyl, 1-2 schd ool p NES
	LS wh. gray. fr xylu, pr
	xylo, m.s. light dms
	w/ gray & DK gray sh strgs
	w/ fuxylu sctd ch
	SM S/OOL LS
	gbbst dk gray sh
	LS TAN fuxylu s/OOL. light
	cmtd, pricyl dms
	LS TAN, FZ CHKY, rary
	SM GRAY, MICRYL, dms pr
	xylo, m.s.
	SH GRAY, rary
	SH DK GRAY
	LS WH, SM VOOL-FOSS w/ print
	ool p. sh hvy BLK TARRY OIL
	BLK SPID SM HOOD
	frngy MICRYL, rary, w/ fuxylu
	w/ chd wh - rary
	GRAY & GRN SH, RD
	LS TAN - WH, MICRYL, dms
	pricyl, m.s. w/ SM CHKY
	BLK & chd wh
	LS TAN - BRN ONS pricyl, dms
	w/ wh chd
	SH V GRAY
	LS TAN - CRMY DMS v fr xylu, pr
	NE
	frngy, fuxylu, ool, w/ fuxylu, dms
	frngy
	LS TAN - GRAY, MICRYL, dms
	v pricyl, m.s.
	w/ fuxylu, chd
	SH V GRAY, GRAY, BRN
	GRAY - BRN fr xylu, LS V PR
	NE
	w/ fuxylu chd
	SH GRAY, BRN
	LS TAN - BRN fr xylu, pr
	xylo, m.s., SHLY, m.s.
	SH V GRAY
	LS GRAY v fr xylu, dms pr
	NE
	SHS RD BRN
	LS TAN - BRN fr xylu, dms
	pricyl, m.s.

944 20 11 10 10 10 10



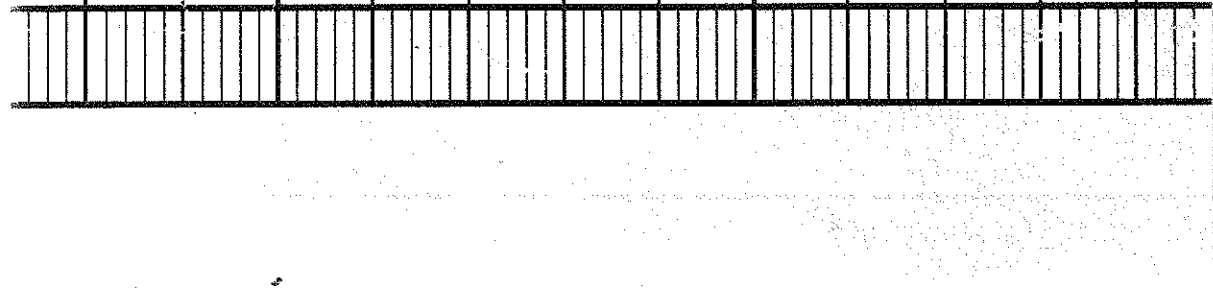




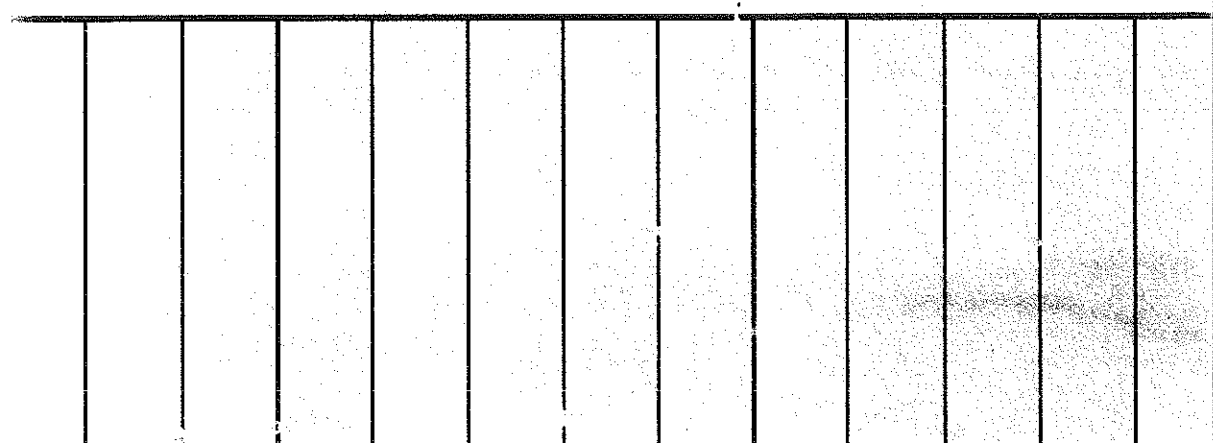
DRILLING TIME Minutes/Foot

5" 10" 15" 20" 25"

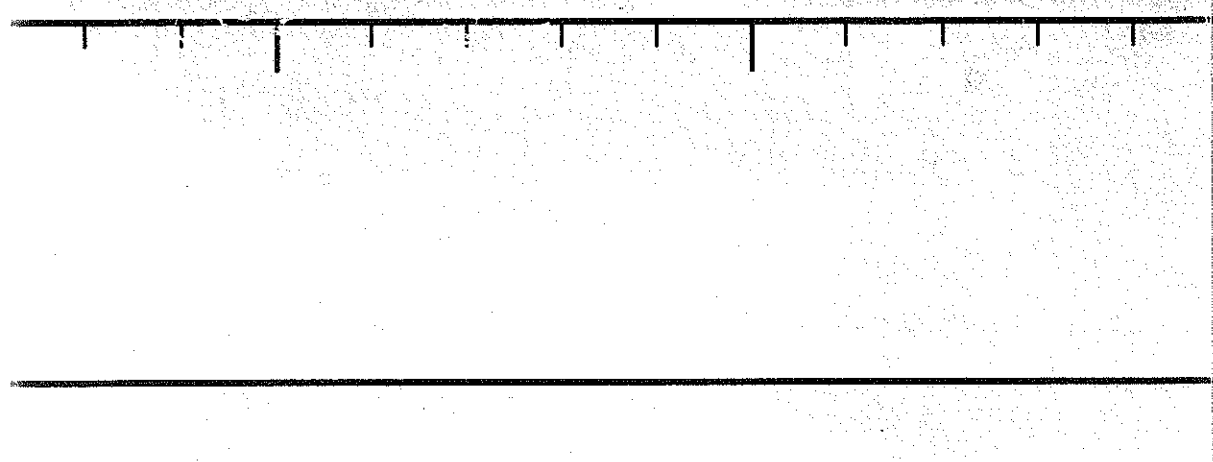
Rate of Penetration Decreases



LITHOLOGY



SAMPLE DESCRIPTIONS



OIL SHOWS

REMARKS

OPERATOR DNOCC

LEASE Ramona #1-31

ELEVATION 2066' MB

IP 1A

RTD 3910'

LOCATION 1520' E.S. & 1520' F.W.

SEC. 31 TWP 14S RMC 20W

COUNTY ELLIS STATE KANSAS