4-54

STATE Kansas	COMPANY Carter Oil
COUNTY Harper	FARM Antrim — WELL NO. 1
BLOCK	SURVEY
SEC. 25	
T. 31 — R. 9W	TOTAL DEPTH 4951'
	NW-NW-NE
	COMMENCED
	COMPLETED
ALTITUDE 1591	REMARKS
PRODUCTION	


CASING RECORD

DST 4346-84/1hr. 23.4MCFG 135' Mud BHP 1530#. DST 4384-89/1hr. 30' 7MCFG 40' sl GCM 330' 60' HOCM BHP 1616#.

DST 4389-99, 43.9MCFG 30' H Fr. 0, 30' Gsy 0, 30' sl Gsy 0 BHP 1620#, DST 4399-4469/2hrs. Est. 75 MCFG, 135' HOCM, 105' sl Gsy Mdy. 0, 15' swtr. BHP 1290#

SHOT — QUARTS — BETWEEN

FORM 186 - In stock and for sale by Ross-Martin Co., Tulsa



R. B. STEINBERG

Samples Start @ 205' in Permian Red Beds

reddish-brown & maroon sh. anhy. in streaks

sh is pale greenish-gray in streaks

WELLINGTON GROUP 740
dominantly gray & greenish-gray anhydritic shale

WELLINGTON SALT 970
halite casts in dominantly gray anhydritic shale

BASE SALT 1330
wh & gray massive anhydrite with interbedded r & g sh.

gry f. suc. selenitic dolo.
"
gry bt f suc xln dolo.
" sl oy
bf suc xln dolo

FT. RILEY 1645
gry bt f suc xln dolo. oy in part

gry mottled f. foss ls
FLORENCE 1730
gry f foss ls w/ gry dull opq fusulinid a
crm fd

lt gry f foss
WREFORD 1835
crm gry fd foss ay
crm gry bt f foss ay
crm gry fd
"
" sl ay
crm fd
crm fd

CTW. FUSUL ZONE 2050
weathered fusulinids in gry bt f foss thin-bedded ls.
redsh
NEVA 2095
tan dse to f gran dolo ls.
crm gry fd foss
crm gry f foss - scat. f. oolic por
crm gry bt. f foss
crm gry fd foss scattered fusulinids
gry bt fd
gry bt f foss
crm gry bt fd
crm gry fd foss
gry f foss
sl cip
gry fd
gry fq subc micac sst
crm gry fd
r + g sdy sh
gry bt fd foss
r + g sdy sh
gry bt f foss
"
"
r + g sdy sh -
crm gry bt fd foss
crm gry fd
gry f foss
crm gry fd
"
crm gry f foss

gry gritty micac sh.
TOPEKA 2890
crm gry bt f foss sl ay
crm gry f foss streaks pp por.
crm gry bt fd streaks pp por.
crm gry bt f foss
crm gry f foss
crm gry f foss sl ay
gry bt f scat oolic por
dk gry sh
crm gry fd foss sl ay
crm gry fd foss
"
" streaks pp por.
crm bt f foss scat oolic por.
crm gry fd
crm gry bt f foss
gry bt f foss
dk gry sh.

HEEBNER 3406
brn f, blk sh,
brn f foss
dk gry to blk sh
gry bt to brn f foss
gry fd foss
gry fq subc micac sst
interbedded w/ r + g sh

LANSING 3569
gry bt fd
crm gry bt fd foss
lt gry oolic por. ls.
crm lt gry f foss
crm gry bf. fd. scat oolic por.
gry bt fd
crm gry bt fd scat oolic por
bf to brn fd
gry bt fd
brn fd
dk gry sh
brn f.
bt to brn fd
gry bt fd
crm gry fd foss ay
crm gry f foss scat oolic por
crm gry fd ay in part
gry bt fd. ay in part
crm gry bt fd sl ay
crm gry fd scat oolic por
crm gry bt fd
gry oolic por ls
gry bt to brn fd, ool in part
gry bt fd
bt to brn fd
gry bt fd
crm gry fd
tan dse
gry bt fd
dk gry to blk sh.
gry bt fd
"
"
"

MISS. 4376
wh to gry opq fos sub po residual & spotty lt. stn.
good spongy por & saturation
residual as above spotty lt stn.
wh to gry f to cxln ay ls.
ls as above - dolomitic in part

KINDERHOOKIAN 4570
green sh - gray & grayish-green sh. interbedded w/ gry bf dse ls.

CHATTANOOGA SH. 4670
black blocky spore bearing sh.
MISENER SST 4709
gry med gr. subrnd phosphatic pyritic sst.
VIOLA 4711
gry bt to lt brn med xln ay dolo.
gry cxln crinoidal ls
SM 4775
wh to gry f to med gr. subc to subrnd frosted & por. sst.
interbedded green sh - sst as above w/ spot dead stn.
wh - gry c to subrnd frosted & phosphatic sst. interbedded grn sh.

ARB 4904
gry bf to cxln sl sdy dolo - scat. oolic por.

RTD. 4951'

Sple. T.D. 4950'