6-61

STATE Kansas	COMPANY Pan Am
COUNTY Morton	FARM Cooper GU 'D' WELL NO. 1
BLOCK	SURVEY
SEC. 21	
T. 31 R. 39w	TOTAL DEPTH 6400'
	CNE-SW
	COMMENCED
	COMPLETED
ALTITUDE 3230	REMARKS E Log
PRODUCTION pot 1.45 MCFG	

CASING RECORD

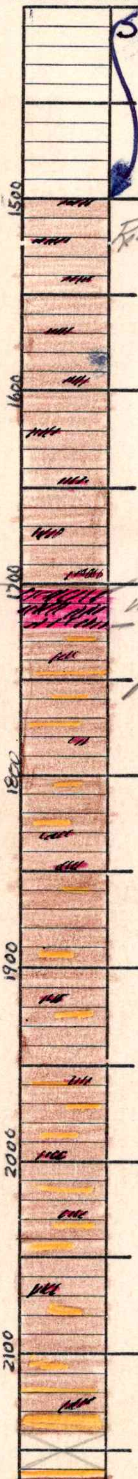
32/3528-3746: ACID 5000: SWB 24BSW PH/2HR:

PB 2950: 48/2780-2838: FRAC:

SHOT QUARTS BETWEEN

Kraftbilt 186-B ROSS-MARTIN CO. TULSA 1, OKLAHOMA PRINTED IN U.S.A.

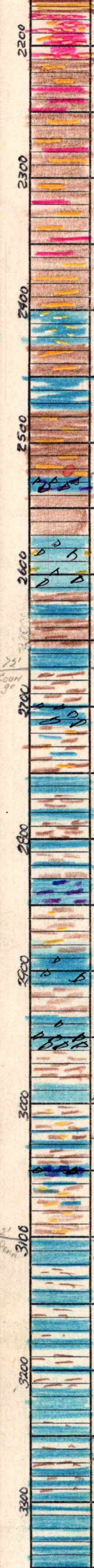
Samples Start @ 1500'


1500
1600
1700
1800
1900
2000
2100

Reddish-brown gyps, ferrous Sh

.02
wh & 1, dolomitic anhydrite
-22

Reddish-brn slty Sh
streaks anhydrite


2200
2300
2400
2500
2600
75'
Coon
gr
2700
2800
2900
3000
5'
Penn
3100
3200
3300

-75

lt g, suc, sdy, slty lmy
impure dolo & dolomitic sst

Reddish-brn sdy
dolomitic sh

lt g to lt bf, f. fos, mottled
shaley, sdy, impure lst

rb sdy sh

g-bf, mot, f. fos shaley lst

rb sdy sh

g-bf f. fos xy dolo. lst

rb sh

g-bf, f. fos xy shaley sh, sdy lst

rb sh

g-bf, mot, f. fos

rb sh

c-bf, d-f

-72

v. col sh

lt g to bf, d-f, xy shaley lst

v. col sh, sdy limey sh

lt g, dse

v. col sh

c g, dse

"

"

"

lt g, suc to f. xln fos dolo lst

v. col sh, sdy micac sh

wh to g, d-f, xy

v. col sh

lt g to lt bf, d-f fos xy

v. col sh

lt g, d-f

v. col silty limey sh

c-g bf, d-f

v. col sh

g-bf, mot fos, sh xy lst

v. col silty micac sh. limey at top

-02

c-bf, d-f

g, dse

wh to g, d-f

lt g, d-f

"

"

wh to bf, d-f

g d-f

g-bf d-f

"

"

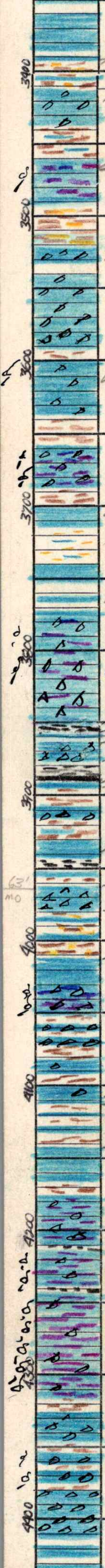
c-bf, d-f.

g, dse

c-g, d-f

"

wh to g, d-f


3400
3500
3600
3700
3800
3900
63'
MO
4000
4100
4200
4300
4400

"

Tp 3412

g dk calc v.calc sltyg limey micac sh

-12

wh, g dtd f, fos xy lst

v.calc limey sh

c-bf, suc to fxlln fos sh
dolo lst. scat oolc por
v.calc sltg micac sh

g-bftd fxy

wh, g to g-d-f fos, xy lst

v.calc sh

wh to g,dtf.xy. ool in part

wh g suc to fxlln por dolo lst
ool & oos in streaks
v.calc sh

c g,dtf
g, silty limey micac sh

wh to g,dtf

g,dtf

g-bf suc to fxlln por fos
xy dolo lst. dolo por in part

Hbnr Sh 3852 or 3891?

s dk g to blk c sh

-58 gy dtd
-60
-63 g, dtd xy, blk sh
-74 dk g to blk
-91 g dtd
-96 v.calc sh

Ls 3962 or 4011?

v.c g. calc
g,dtf xy
v.calc limey sh
g,dtf
dk g sh
v.calc sh
-42
wh to g,dtf, xy
v.calc silty limey micac sh

"
wh, g to bf dtd f, fos, xy, por
& ooc in part

v.calc sh
g,dtf.xy
"
"
c-bf, dtd f sh xy
v.calc sh

"

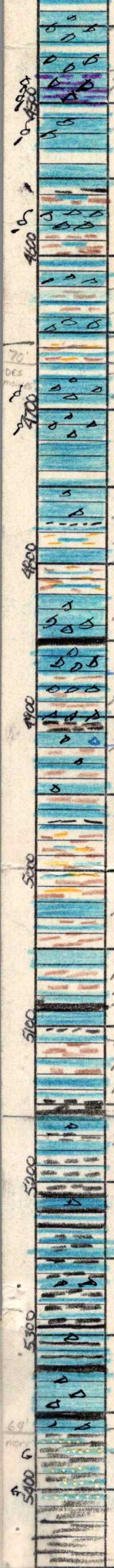
v.calc limey sh

g-bf dtf
v.calc sh
c-bf, suc to fxlln xy dolo lst

dk g sh
wh g to lt. bf, suc to fxlln
por ooc sh xy dolo lst
dk g sh
lst as above

v.calc sh
g,dtf.xy
g-bf dtd, xy mot fos lst in part
"
g-bf, dsc xy lst

c,tdtf
"


4600
4700
70'
DES moines
4800
4900
5000
5100
5200
5300
64'
morr
G
G
5400

[illegible] dy

[illegible] dy

[illegible] sucr por ooc [illegible]

[illegible] dy. scat ooc por

[illegible]

v. calc limey sh

[illegible] dy scat ooc por

v. calc limey sh

[illegible]

[illegible] dy

v. calc limey sh **BKC 4654**

[illegible] to [illegible] dy

54

v. calc silty limey sh

70 [illegible] **Mtn 4670**

[illegible] dy. scat ooc por

same

[illegible]

[illegible] dy

[illegible]

[illegible] silty limey sh

[illegible]

v. calc silty limey sh

[illegible] dy. scat ooc por

blk sh

[illegible] dy

" **Cherokee 4920**

[illegible]

[illegible] dy

[illegible] dy

"

"

[illegible] sh

[illegible]

v. calc silty limey sh

[illegible]

[illegible]

[illegible]

"

" [illegible] sh

[illegible] sh

[illegible]

[illegible]

Atoka? 5157

"

" dk g to blk sh

57

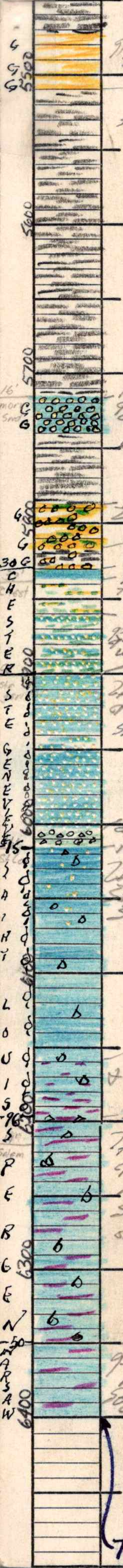
g, lt + brn, lse to micro-sucrosic lst interbedded with dk g to blk sh

dk g, brn & blk glassy sub ang Δ in part

Morrow 5364

64

DK. g sh. streaks brn f-g [illegible] sdy glauc lst in part


G
G
G
5500
5600
5700
16'
more
Snd
G
G
5800
G
G
30 G
CHESTER
chest
5900
STE GENEVIEVE
6000
15
ST LOUIS
6100
6200
-96
Salem
SPERGEN
6300
-50-
WARSAW
6400

gy f.g. sub massc, tight, shaley, glauconitic sst

sh as above

16 gy bf lt f to c. xln fos phosphatic glauc lst with lt gy thick to v.c. rd to sub rdd frosted sd grs

sh. as above

Miss (Chester) 5830

88 gy f to c.g. rd to sub rdd frosted limey, shaley & glauc sst

dk gy sdy sh

30 gy bf lithographic lst

37 thin beds brn mealey v.f.g. calc. sst in v.col sh

60 gy brn f. grain fn. & gy arenaceous lst interbedded with v.col. sh.

lt gy to bf, f. grain, finely arenaceous, micro-ool lst shaley in part

02 variegated red & green sh, v.crs sd, rnd. frosted sd grs

15

lt gy to bf, dse, f.xln & (o.o.) sh sdy lst. pink & lt g, sub op Δ

same as above but sucrosic & dolomitic in streaks

96

lt gy to bf, suc to med xln dolo-lst, Endothyra in part, wh & gy op to sub op fos Δ pseudo-oolitic in streaks

50

gy-lt bf to c xln fos mottled dolo lst, still some endothyra, but could be caving

Total Depth 6400'